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VOLUME XIV

METEOROLOGY

Davis, Macquarie Island, Mawson and Wilkes, 1961

Prepared by

THE BUREAU OF METEOROLOGY, MELBOURNE

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I N T R O D U C T I O N

1. This volume contains the meteorological observations, surface, radiosonde, radio wind and pilot balloon, made at Davis, Macquarie Island, Mawson and Wilkes during 1961. The details are presented as listings and also in the form of cumulated frequency analyses. In these analyses, figures have not been repeated where there was no increment from the previous value.

2. The observations were carried out by the following:-

DAVIS

N. T. Lied	-	Observer in Charge
B. Mercer	-	Observer
F. L. Trajer	-	Observer
B. V. Jabs	-	Observer (Radio)

MACQUARIE ISLAND

R. Frost	-	Observer in Charge
D. M. Dodd	-	Observer
M. R. Merrony	-	Observer
J. L. George	-	Observer

MAWSON

G. E. Weller	-	Meteorologist in Charge
W. M. Denham	-	Observer
I. M. Tod	-	Observer
H. E. Von Renouard	-	Observer (Radio)

WILKES

J. Brackenridge	-	Meteorologist in Charge
E. Harrigan	-	Observer
S. Stadler	-	Observer
P. Paish	-	Observer
G. Hemphill	-	Radio Technician

Messrs. Brackenridge, Harrigan and Hemphill were assigned to Wilkes by the United States Weather Bureau.

Surface observations were taken at three hourly intervals. These are shown for the local standard times used at the stations and are as follows:-

Davis (GMT + 5 HRS) Macquarie Island (GMT + 11 hours) *
Mawson (GMT + 5 HRS) Wilkes (GMT + 7 HRS)

* Prior to 1958, observation times at Macquarie were 00, 03, 06, 09, 12, 15, 18 and 21 hours GMT; i.e. 10, 13, 16, 19, 22, 01, 04 and 07 hours zone time (GMT + 10 hours). From 1st January, 1958 observation times were 02, 05, 08, 11, 14, 17, 20 and 23 hours GMT, i.e. 12, 15, 18, 21, 00, 03, 06 and 09 hours zone time (GMT + 10 hours). Zone time may be obtained by subtracting 1 hour from the times shown. Times shown in this volume are zone time.

3.1 The following are details of the listings:-

Station Level Pressure (thousand figure omitted)	-	millibars and tenths
Surface wind direction	-	Tens of degrees true
Surface wind speed	-	Knots
Cloud amounts	-	Oktas (when sky not discernible, the figure 9 used)
Precipitation	-	Hundredths of an inch
Anemometer run	-	Statute miles
Sunshine	-	Hours and tenths

3.2 Temperatures were read to the tenth of a degree Fahrenheit, but are listed to the nearest whole degree Fahrenheit, preceded by a 0 if positive and a 5 if negative. Where .5 was recorded, the temperature is listed to the nearest odd number of whole degrees Fahrenheit. At times the dew points in the listing may appear anomalous when compared with the dry and wet bulb temperatures, as shown by the following examples of extreme cases:

	Dry Bulb	Wet Bulb	Dew Point
Readings	33.4°F	32.6°F	31°F
Listing	33	33	31
Readings	34.5°F	33.5°F	32°F
Listing	35	33	32

3.3 International Codes (reproduced on pages XI - XXI in this volume for reference) are used for the description of:

Visibility (00-89)

Present Weather (00-99)

Past Weather (0-9)

Cloud types - low, middle and high (each (0-9)

Height of the base of Low Cloud (0-9)

Direction of Cloud Movement (0-9)

3.4 Precipitation is a total for 24 hours up to 0900 L.S.T. at Macquarie Island and Wilkes, (and up to 0800 L.S.T. at Davis). Data for Mawson have not been published because of the difficulty in differentiating between falling and drifting snow. Data for Davis are not published regularly for the same reason.

3.5 Anemometer run is the total for 24 hours up to the last observation of the day and is shown against that observation.

3.6 Sunshine records were maintained during the year at Mawson, Davis and Wilkes but are not entered in the daily listings. The mean daily duration (in hours and tenths) for Mawson and Davis is, however, shown in the monthly summaries.

3.7 The extreme values of temperature and the speed and direction of the maximum gust are for the 24 hours from midnight to midnight, local standard time, and are shown against the last observation of the day.

4. Radiosondes were released once daily at 2300 G.M.T. from Macquarie Island, Mawson and Davis. At Wilkes, they were released twice daily, at 0000 and 1100 G.M.T.

4.1 Surface information at the time of the release:

Pressure - (PPP) (thousand figure omitted) - whole millibars

Temperature - (TTT) - degrees and tenths Celsius, preceded by a 0 if positive and a 5 if negative

Mixing Ratio - (WW) - decigrams per kilogram of dry air

4.2 1000 mb information:

Geopotential dekametres are shown. If the station level pressure was less than 1000 mb, the geopotential of the 1000 mb surface was computed by assuming an isothermal atmosphere at the temperature of the station down to 1000 mb. Zero or five (0 or 5) precede the geopotential, depending on whether it was above or below mean sea level.

4.3 900 mb, 850 mb, 800 mb and 700 mb information:

Geopotential dekametres are shown.

Temperature in degrees and tenths Celsius, preceded by 0 if positive and 5 if negative.

Mixing Ratio in decimetres per kilogram of dry air.

4.4 600 mb, 500 mb and 400 mb information:

In a manner similar to that above, but as all temperatures are below 0°C, the figure 5 is not printed.

4.5 300 mb, 200 mb, 150 mb, 80 mb and 60 mb information:

In a similar manner to that immediately above, but as mixing ratios were generally not measurable, these are omitted. (Where the height is above 1000 geopotential dekametres, the thousand figure is omitted).

4.6 Tropopause information:

The definition of the tropopause is according to W.M.O. criteria. The types are in accordance with recommended international practice and are:-

Type 1 - The stratosphere commences with an inversion.

Type 2 - The stratosphere commences with an abrupt change in lapse rate but with no inversion.

Type 3 - There is no abrupt change in lapse rate.

5. Upper wind observations were normally made four times per day at Macquarie Island and twice daily at Mawson, Davis and Wilkes. Details of listings are as follows:-

Time of release	-	nearest hour G.M.T.
Wind direction	-	tens of degrees
Wind speed	-	knots

6. The cumulated frequency analyses of surface data were prepared by grouping all the three-hourly observations.

7. This volume has been prepared by a photo-lithographic process direct from the Hollerith machine printing. The Hollerith cards containing the basic data are held by the Bureau of Meteorology and requests for the reproduction of these cards or for further analyses of the data should be addressed to -

The Director of Meteorology,
P.O. Box 1289K,
Melbourne, C.1.
Australia.

INSTRUMENTS AND OBSERVATIONAL METHODS

Atmospheric Pressure

Mercurial barometers were used at each station and continuous records of station level pressure were given by daily barographs.

Temperature

At Macquarie Island, dry bulb, wet bulb, maximum and minimum thermometers were mounted in a Stevenson Screen. A continuous record of air temperature was given by a daily thermograph in the same screen. At Mawson and Davis, dry bulb thermometers and thermographs were mounted in Stevenson Screens, the thermographs being used to obtain the daily temperature extremes. At Wilkes, temperatures were obtained from liquid in glass or electrical resistance thermometers mounted in a louvred wooden screen and continuous records from a thermograph or a recording electrical resistance thermometer.

Humidity

At Macquarie Island, relative humidity and dew point were obtained from dry and wet bulb thermometer readings mounted in a Stevenson screen. Continuous records of relative humidity were given by a daily hygrograph in the same screen. At Mawson and Davis, relative humidity and dew point were obtained from the readings of the dry bulb thermometer and a daily hygrograph in the same screen. The hygrograph which provided a

continuous record of relative humidity was periodically checked against an aspirated psychrometer. At Wilkes, relative humidity and dew point were obtained from aspirated hygrometer readings and continuous records from a thermo-hygrograph.

Wind

At Davis, Macquarie Island and Mawson continuous records of wind speed and direction were obtained from Dines anemometers, the vanes of which were 8 metres above the station buildings at Macquarie Island and 6 metres above the station buildings at Mawson and Davis (i.e. about 11 and 9 metres respectively above the ground). The 24 hour runs of wind at these stations were obtained from cup anemometers. At Wilkes, continuous records were obtained from an aerovane electrical anemograph and a 3 cup electrical anemometer. The run of wind was obtained from a 3 cup anemometer.

Precipitation

At Macquarie Island, precipitation was measured by a rain gauge. At Davis precipitation was measured by a shielded snow gauge but it was not possible to accurately record all snowfall (although some accurate measurements were obtained when surface winds were not strong). A continuous record was obtained at Macquarie Island from a Casella daily pluviograph which was equipped with a small heating element to prevent interruption to the record and possible damage to the instrument during freezing conditions. At Wilkes, registrations were obtained from a shielded snow gauge.

Radiosonde Observations

Radiosonde observations were made at Macquarie Island, Mawson and Davis using Australian made apparatus of the United States Weather pattern (Diamond Hinman), operating on a 72 mc/s or 403 mc/s. The balloons (350 gram) were inflated to give a rate of ascent of approximately 300 metres per minute. At Wilkes, observations were made using United States Weather Bureau radiosondes operating on 1680 mc/s.

At Macquarie Island, base-line checks of the sonde were carried out by placing the sonde, together with dry and wet bulb thermometers in a Stevenson Screen which was aspirated by an electric fan.

At Mawson and Davis, base-line checks were carried out by placing the sonde, together with dry and wet bulb thermometers in a calibration chamber in which the air was circulated by an electric fan. The test chamber was located indoors in a heated hut.

Upper Wind Observations

Upper wind observations were made at Macquarie Island either by radar following a radiosonde balloon or a separate balloon carrying a radar target. At Davis, they were made by visual means following either a pilot balloon or the radiosonde balloon, or by electronic means using a radio theodolite following either a radiosonde or a radio transmitter used for wind finding only. At Mawson they were obtained by visual means of tracking radiosonde balloons using type G.M.D. - 1.B. rawinsonde equipment or by visual means using pilot balloons.

Sunshine

Daily duration of sunshine was observed at Mawson and Davis using Campbell-Stokes sunshine recorders and at Wilkes using a photo-electric sunshine switch.

Radiation

At Mawson, a bimetallic actinograph was used for radiation observations and at Wilkes, Eppley Pyrheliometers were used to observe total radiation, diffuse radiation and solar radiation at normal incidence, while radiation flux was observed, using a Beckman and Whitley hemispheric radiometer.

CODE FOR VISIBILITY AT MAWSON AND DAVIS

Code Figure	Lower Limit	Upper Limit less than
00	Zero	1/8 statute mile
01	1/8 statute mile	1/4 statute mile
02	1/4 statute mile	3/8 statute mile
03	3/8 statute mile	1/2 statute mile
04	1/2 statute mile	5/8 statute mile
05	5/8 statute mile	3/4 statute mile
06	3/4 statute mile	1 statute mile
08	1 statute mile	1 1/4 statute miles
10	1 1/4 statute miles	1 1/2 statute miles
12	1 1/2 statute miles	1 3/4 statute miles
14	1 3/4 statute miles	2 statute miles
16	2 statute miles	2 1/4 statute miles
18	2 1/4 statute miles	2 1/2 statute miles
20	2 1/2 statute miles	3 statute miles
24	3 statute miles	4 statute miles
32	4 statute miles	5 statute miles
40	5 statute miles	6 statute miles
48	6 statute miles	7 statute miles
56	7 statute miles	8 statute miles
64	8 statute miles	9 statute miles
72	9 statute miles	10 statute miles
80	10 statute miles	12 statute miles
81	12 statute miles	24 statute miles
82	24 statute miles	36 statute miles
83	36 statute miles	48 statute miles
84	48 statute miles	60 statute miles
85	60 statute miles	90 statute miles
86	90 statute miles	120 statute miles
87	120 statute miles	180 statute miles
88	180 statute miles	300 statute miles
89	300 statute miles	No upper limit

(NOTE: For purpose of this code, the following may be considered as equal: ⅛ statute mile, 0.1 nautical mile and 0.2 kilometre, and in the higher values 12 statute miles, 10 nautical miles and 20 kilometres may also be considered equal).

Code for Visibility at Macquarie Island & Wilkes

Code Figure	Lower Limit	Upper Limit less than
00	Zero	110 yards
01	110 yards	220 yards
02	220 yards	330 yards
03	330 yards	440 yards
04	440 yards	550 yards
05	550 yards	660 yards
06	660 yards	770 yards
07	770 yards	880 yards
08	880 yards	1,000 yards
09	1,000 yards	1,100 yards
10	1,100 yards	1,200 yards
11	1,200 yards	1,300 yards
12	1,300 yards	1,450 yards
13	1,450 yards	1,550 yards
14	1,550 yards	1,650 yards
15	1,650 yards	1 statute mile
16	1 statute mile	1¼ statute miles
20	1¼ statute miles	1½ statute miles
24	1½ statute miles	2 statute miles
32	2 statute miles	2½ statute miles
40	2½ statute miles	3 statute miles
48	3 statute miles	4 statute miles
56	4 statute miles	5 statute miles
58	5 statute miles	6 statute miles
60	6 statute miles	7 statute miles
61	7 statute miles	8 statute miles
63	8 statute miles	9 statute miles
64	9 statute miles	10 statute miles
66	10 statute miles	15 statute miles
74	15 statute miles	20 statute miles
80	20 statute miles	25 statute miles

Code Figure	Lower Limit	Upper Limit less than
82	25 statute miles	30 statute miles
84	30 statute miles	40 statute miles
87	40 statute miles	
89	Greater than 40 statute miles	

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CODE FOR PRESENT WEATHER

00	Cloud development not observed or not observable.	Characteristic change of the state of sky during the past hour.
01	Clouds generally dissolving or becoming less developed.	
02	State of sky on the whole unchanged.	
03	Clouds generally forming or developing.	
04	Visibility reduced by smoke, e.g., veldt or forest fires, industrial smoke or volcanic ashes.	
05	Dry haze.	
06	Widespread dust in suspension in the air, not raised by wind at or near the station at the time of observation.	
07	Dust or sand raised by wind at or near the station at the time of observation, but no well developed dust devil(s) and no duststorm or sandstorm seen.	
08	Well developed dust devil(s) seen at or near the station within last hour, but no duststorm or sandstorm.	
09	Duststorm or sandstorm within sight of the station or at the station during the last hour.	
10	Mist, visibility more than 1,100 yards.	
11	Patches of	shallow fog at the station, whether on land or sea, not deeper than about 2 metres on land or 10 metres at sea.
12	More or less continuous	
13	Lightning visible, no thunder heard.	
14	Precipitation within sight, not reaching the ground at the station.	
15	Precipitation within sight, reaching the ground, but distant (i.e. estimated to be more than 5 Km) from station.	
16	Precipitation within sight, reaching the ground, near to but not at the station.	

17 Thunder heard, but no precipitation at the station.

18 Squalls
19 Funnel Cloud(s)
} within sight during the past hour

20 Drizzle (not freezing)
21 Rain (not freezing)
22 Snow
23 Rain and snow
24 Freezing drizzle or freezing rain
} Not falling as shower(s)

25 Shower(s) of rain
26 Shower(s) of snow, or of rain and snow
27 Shower(s) of hail, or of hail and rain
28 Fog, visibility less than 1100 yards
29 Thunderstorm (with or without precipitation)

30 Slight or moderate
31 duststorm or sandstorm
32
33 Severe duststorm
34 or
35 sandstorm
} - has decreased during the preceding hour
} - no appreciable change during the preceding hour
} - has increased during the preceding hour

36 Slight or moderate drifting snow
37 Heavy drifting snow
} generally low

38 Slight or moderate drifting snow
39 Heavy drifting snow
} generally high

40 Fog at a distance at the time of observation, but not at the station during the last hour, the fog extending to a level above that of the observer.

41 Fog in patches

42	Fog, sky discernible	has become thinner during the preceding hour
43	Fog, sky not discernible	
44	Fog, sky discernible	no appreciable change during the preceding hour
45	Fog, sky not discernible	
46	Fog, sky discernible	has begun or has become thicker during the preceding hour
47	Fog, sky not discernible	
48	Fog, depositing rime, sky discernible	
49	Fog, depositing rime, sky not discernible	
50	Drizzle, not freezing, intermittent	slight at time of observation
51	Drizzle, not freezing, continuous	
52	Drizzle, not freezing, intermittent	moderate at time of observation
53	Drizzle, not freezing, continuous	
54	Drizzle, not freezing, intermittent	thick at time of observation
55	Drizzle, not freezing, continuous	
56	Drizzle, freezing, slight	
57	Drizzle, freezing, moderate or thick	
58	Drizzle and rain, slight	
59	Drizzle and rain, moderate or heavy	
60	Rain, not freezing, intermittent	slight at time of observation
61	Rain, not freezing, continuous	
62	Rain, not freezing, intermittent	moderate at time of observation
63	Rain, not freezing, continuous	
64	Rain, not freezing, intermittent	heavy at time of observation
65	Rain, not freezing, continuous	
66	Rain, freezing, slight	
67	Rain, freezing, moderate or heavy	
68	Rain or drizzle and snow, slight	
69	Rain or drizzle and snow, moderate or heavy	
70	Intermittent fall of snow flakes	slight at time of observation
71	Continuous fall of snow flakes	

72	Intermittent fall of snow flakes	moderate at time of observation
73	Continuous fall of snow flakes	
74	Intermittent fall of snow flakes	heavy at time of observation
75	Continuous fall of snow flakes	
76	Ice needles (with or without fog)	
77	Granular snow (with or without fog)	
78	Isolated starlike snow crystals (with or without fog)	
79	Ice pellets	
80	Rain shower(s), slight	
81	Rain shower(s), moderate or heavy	
82	Rain shower(s), violent	
83	Shower(s) of rain and snow mixed, slight	
84	Shower(s) of rain and snow mixed, moderate or heavy	
85	Snow shower(s), slight	
86	Snow shower(s), moderate or heavy	
87	Shower(s) of soft or small hail with or	- slight
88	without rain or rain and snow mixed	- moderate or heavy
89	Shower(s) of hail, with or without rain or rain and snow	- slight
90	mixed, not associated with thunder	- moderate or heavy
91	Slight rain at time of observation	
92	Moderate or heavy rain at time of observation	
93	Slight snow or rain and snow mixed or hail at time of observation	
94	Moderate or heavy snow, or rain and snow mixed or hail, at time of observation	
95	Thunderstorm, slight or moderate, without hail but with rain and/or snow at time of observation	
96	Thunderstorm, slight or moderate, with hail at time of observation	

97 Thunderstorm, heavy, without hail, but with rain and/or snow at time of observation

98 Thunderstorm combined with duststorm or sandstorm at time of observation

99 Thunderstorm, heavy, with hail at time of observation

CODE FOR PAST WEATHER

Code Figure		
	0	Fair, clear or slightly clouded
	1	Variable sky
	2	Mainly overcast
	3	Sandstorm, duststorm or drifting snow
	4	Fog or thick dust haze
	5	Drizzle
	6	Rain
	7	Snow or sleet
	8	Shower(s)
	9	Thunderstorm, with or without precipitation

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CODES FOR CLOUD TYPES

Low Cloud - Clouds of genera Sc, St, Cu, Cb.

0 No Stratocumulus, Stratus, Cumulus or Cumulonimbus clouds.

1 Cumulus with little vertical development and seemingly flattened.

2 Cumulus of considerable development, generally towering, with or without other Cumulus or Stratocumulus; bases all at the same level.

3 Cumulonimbus with tops lacking clear-cut outlines but distinctly not cirriform or anvil-shaped, with or without Cumulus, Stratocumulus or Stratus.

4 Stratocumulus formed by the spreading out of Cumulus; Cumulus also often present.

5 Stratocumulus not formed by the spreading out of Cumulus.

6 Stratus or Fractostratus or both, but not Fractostratus of bad weather.

Low Cloud - Clouds of genera Sc, St, Cu, Cb. (continued)

7 Fractostratus and/or Fractocumulus of bad weather ("Scud") usually under Altostratus and Nimbostratus. (By "bad weather" is meant the conditions usually prevailing before, during or after precipitation).

8 Cumulus and Stratocumulus other than those formed by the spreading out of Cumulus, with bases at different levels.

9 Cumulonimbus having a clearly fibrous (cirriform) top, often anvil-shaped, with or without Cumulus, Stratocumulus, Stratus or "scud".

Blank Clouds of genera C_L non-visible owing to darkness, fog, sandstorm or other analogous phenomena.

Middle Cloud - Clouds of genera Ac, As Ns.

0 No Altocumulus, Altostratus, or Nimbostratus clouds

1 Thin Altostratus (semi-transparent everywhere) through which the sun or moon would be seen dimly as through ground glass.

2 Thick Altostratus, or Nimbostratus (through portions of the sheet the position of the sun or moon may be indicated by a light patch).

3 Thin (semi-transparent) Altocumulus; cloud elements not changing much; at a single level.

4 Thin (semi-transparent) Altocumulus in patches (often almond or fish-shaped); cloud elements continually changing and/or occurring at more than one level.

5 Thin (semi-transparent) Altocumulus in bands or in a layer gradually spreading over the sky and usually thickening as a whole; it may become partly opaque or double-layered.

6 Altocumulus formed by the spreading out of Cumulus.

7 Any of the following cases:

Middle Cloud - Clouds of genera Ac, As, Ns. (continued)

(a) double-layered Altocumulus, usually opaque in parts, not increasing,
(b) a thick (opaque) layer of Altocumulus, not increasing,
(c) Altostratus and Altocumulus both present at the same or different levels.

8 Altocumulus in the form of Cumulus-shaped tufts or Altocumulus with turrets.

9 Altocumulus of a chaotic sky; generally at different levels; dense Cirrus in patches is usually also present.

Blank Clouds of genera C_M non-visible owing to darkness, fog, sandstorm or other analogous phenomena or owing to the existence of a complete layer of lower cloud.

High Cloud - Clouds of genera Ci, Cs, Cc.

0 No Cirrus, Cirrocumulus or Cirrostratus clouds.

1 Filaments or strands of Cirrus, scattered and not increasing (often "Mares' Tails").

2 Dense Cirrus in patches or twisted sheaves usually not increasing; possibly but not certainly the remains of the upper part of Cumulonimbus.

3 Cirrus, often anvil-shaped; either the remains of the upper portions of Cumulonimbus or part of a distant Cumulonimbus the rest of which is not visible. (If there is doubt as to the Cumulonimbus origin or association, Code $C_H = 2$ should be used).

4 Cirrus (often hook-shaped) gradually spreading over the sky and usually thickening as a whole.

5 Cirrus and Cirrostratus, often in bands converging toward the horizon; or Cirrostratus alone; in either case gradually spreading over the sky and usually thickening as a whole, but the continuous layer not reaching 45° altitude.

High Cloud - Clouds of genera Ci, Cs, Cc. (continued)

6 Cirrus and Cirrostratus, often in bands converging toward the horizon; or Cirrostratus alone; in either case gradually spreading over the sky and usually thickening as a whole and the continuous layer exceeding 45° altitude.

7 Cirrostratus veil covering the whole sky.

8 Cirrostratus not increasing and not covering the whole sky; Cirrus and Cirrocumulus may be present.

9 Cirrocumulus alone or Cirrocumulus with some Cirrus or Cirrostratus, but the Cirrocumulus being the main cirriform cloud present. (Cirrocumulus may be present in C_H = 1 to C_H = 8).

Blank Clouds of genera C_H non-visible owing to darkness, fog, sandstorm or other analogous phenomena or owing to the existence of a complete layer of lower cloud.

CODE FOR HEIGHT, ABOVE GROUND, OF BASE OF CLOUD

(In Metres)

Code Figure			
0	0	to	50 m
1	50	to	100 m
2	100	to	200 m
3	200	to	300 m
4	300	to	600 m
5	600	to	1,000 m
6	1,000	to	1,500 m
7	1,500	to	2,000 m
8	2,000	to	2,500 m
9	2,500 m or more or no low cloud		

CODE FOR DIRECTION OF MOVEMENT OF CLOUD (CODE FIGURE)

Code Figure

0	No cloud of that particular level present, or cloud stationary
1	Cloud moving from NE
2	" " " E
3	" " " SE
4	" " " S
5	" " " SW
6	" " " W
7	" " " NW
8	" " " N
9	Cloud movement not determinable.

DAVIS

Latitude 68° 35'S

Longitude 77° 58'E

Height above M.S.L. 40 ft.

JANUARY, 1961

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
02	986.3	30.9		13.6	4.5	2.9	8.8
05	986.4	31.5		13.6	4.8	3.5	10.6
08	986.2	33.2		14.6	4.9	3.2	11.6
11	985.9	34.5		15.7	4.6	3.5	14.5
14	985.6	34.8		17.1	4.9	3.5	13.7
17	985.6	34.5		17.3	4.9	3.5	12.0
20	985.7	33.3		17.7	4.8	3.7	10.2
23	986.0	32.1		16.5	4.6	3.3	7.9

Rain (pts)	Rain days (.01 in. or more)	Temperature °F							Sunshine (hrs)	Anem. (Mls per day)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.			
3	1	36.1	42.5	15	30.1	26.0	30	-	-	10.2	11.3	ENE 50 12th

FEBRUARY, 1961

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
02	990.7	28.9		12.7	4.8	3.4	15.1
05	991.0	28.6		12.1	4.4	2.6	15.9
08	991.1	31.5		12.4	5.1	3.1	18.6
11	990.3	33.2		13.4	5.5	3.4	19.5
14	989.8	33.9		15.1	5.3	3.1	18.4
17	989.7	33.7		15.6	5.0	3.1	17.0
20	989.8	31.8		15.0	5.3	3.0	15.8
23	990.5	30.0		13.6	4.6	2.9	15.8

Rain (pts)	Rain days (.01 in. or more)	Temperature °F							Sunshine (hrs)	Anem. (mls per day)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.			
0	0	35.1	40.4	17	27.0	20.3	28	-	-	7.7	16.6	ENE 71 20th

DAVIS

Latitude 68° 35'S

Longitude 77° 58'E

Height above M.S.L. 40 ft.

MARCH, 1961.

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
02	984.9	18.7		10.2	5.4	4.9	13.8
05	984.9	18.3		9.6	5.7	5.2	13.5
08	984.6	19.4		10.4	5.8	4.7	13.4
11	984.5	22.2		10.9	6.0	4.0	14.8
14	984.2	23.4		11.4	5.9	3.9	14.6
17	984.1	22.5		11.6	5.7	4.6	12.7
20	984.3	20.1		10.6	5.0	3.7	12.0
23	984.5	19.0		10.6	5.2	4.0	11.6

Rain (pts)	Rain days (.01 in. or more)	Temperature °F								Sunshine (hrs)	Anem. (Mls per day)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.			
114	2	24.1	32.1	4	15.8	4.6	15	-	-	3.0	13.3	NE 88 29th

APRIL, 1961

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
02	986.8	14.5		4.1	6.4	5.3	8.3
05	986.8	14.4		4.8	6.4	5.8	7.5
08	986.5	14.2		4.2	6.6	5.5	8.8
11	987.0	15.4		4.7	6.6	5.4	8.7
14	986.7	16.0		5.5	6.7	4.9	8.2
17	986.9	15.1		5.2	7.0	5.4	7.5
20	986.8	14.3		4.5	6.8	5.2	9.0
23	987.0	14.1		3.3	6.2	5.1	8.7

Rain (pts)	Rain days (.01 in. or more)	Temperature °F								Sunshine (hrs)	Anem. (mls per day)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.			
63	4	17.8	28.6	14	11.1	-01.0	24	-	-	0.7	9.8	NE 54 21st

DAVIS

Latitude 68° 35'S

Longitude 77° 58'E

Height above M.S.L. 40 ft.

MAY, 1961.

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
02	985.1	11.2		1.5	5.4	4.3	11.1
05	985.2	11.3		0.6	5.4	4.3	12.0
08	985.1	11.2		0.2	5.5	4.1	11.9
11	985.2	10.8		0.4	5.5	4.0	13.1
14	985.2	11.0		-0.4	5.6	3.7	10.6
17	985.6	10.9		0.4	5.0	3.4	11.5
20	985.0	11.1		1.3	5.1	3.6	10.5
23	985.4	11.2		1.9	5.6	3.9	11.0

Rain (pts)	Rain days (.01 in. or more)	Temperature °F						Mean Terr. Min.	Extr. Terr. Min.	Sunshine (hrs)	Anem. (Mls per day)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.						
13	1	15.1	28.4	15	6.6	-05.5	26	-	-	0.9	12.4	E 74 10th

JUNE, 1961.

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
02	990.8	3.9		-5.2	3.2	2.3	9.4
05	990.6	3.5		-5.8	2.9	2.2	10.4
08	990.4	3.8		-5.5	3.6	2.8	11.2
11	990.5	3.5		-5.6	4.9	2.8	11.3
14	990.4	3.6		-4.6	5.3	3.3	10.0
17	990.4	4.3		-3.9	4.5	3.0	9.9
20	990.6	4.2		-4.4	4.4	3.1	9.9
23	990.4	4.0		-4.5	3.8	2.7	10.2

Rain (pts)	Rain days (.01 in. or more)	Temperature °F						Mean Terr. Min.	Extr. Terr. Min.	Sunshine (hrs)	Anem. (mls per day)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.						
0	0	8.2	24.8	7	-0.4	-14.8	24	-	-	0.0	10.7	N 44 9th

DAVIS

Latitude 68° 35'S

Longitude 77° 58'E

Height above M.S.L. 40 ft.

JULY, 1961.

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
02	979.8	8.4		-1.8	5.1	3.1	13.0
05	980.0	8.4		-1.5	5.4	3.7	12.0
08	980.0	9.0		-1.1	5.9	4.3	13.8
11	980.5	9.0		-1.5	6.4	4.6	12.9
14	980.3	8.8		-1.4	6.2	4.5	13.0
17	980.4	8.2		-1.7	5.7	4.3	11.6
20	980.4	8.1		-2.2	5.1	3.5	13.3
23	980.0	7.9		-2.3	5.3	3.7	12.8

Rain (pts)	Rain days (.01 in. or more)	Temperature °F							Sun-shine (hrs)	Anem. (Mls per day)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.			
35	5	11.8	28.8	3	4.0	-20.3	28	-	-	0.2	13.9	NE 73 6th

AUGUST, 1961.

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
02	982.3	3.5		-2.7	5.3	4.5	11.5
05	981.5	3.8		-2.7	5.1	4.3	10.8
08	982.0	4.0		-3.0	5.2	4.4	11.1
11	981.6	5.6		-2.0	5.3	4.4	11.7
14	981.9	5.4		-2.2	5.2	3.7	11.3
17	982.3	4.0		-2.8	4.7	3.1	11.1
20	982.2	3.1		-3.5	4.3	3.1	12.0
23	982.3	2.6		-4.0	4.6	3.4	11.6

Rain (pts)	Rain days (.01 in. or more)	Temperature °F							Sun-shine (hrs)	Anem. (mls per day)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.			
21	8	8.2	24.6	27	-1.8	-18.1	7	-	-	2.0	11.7	ENE 70 2nd

DAVIS
Latitude 68° 35'S
Longitude 77° 58'E
Height above M.S.L. 40 ft.

SEPTEMBER, 1961.

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
02	990.0	8.2		-3.3	5.5	3.5	8.3
05	990.0	8.0		-3.5	5.4	3.5	8.0
08	990.1	8.8		-3.1	5.4	4.0	7.8
11	990.0	12.2		-1.1	5.1	3.7	8.5
14	989.7	13.3		0.5	5.7	4.0	9.3
17	989.5	11.9		0.6	6.0	3.6	8.2
20	989.4	10.3		-1.3	5.8	3.8	7.4
23	989.4	9.3		-2.1	5.8	3.5	8.9

Rain (pts)	Rain days (.01 in. or more)	Temperature °F							Sun-shine (hrs)	Anem. (Mls per day)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.			
2	2	14.5	28.7	30	4.8	-08.8	25	-	-	3.8	9.5	ENE 71 28th

OCTOBER, 1961.

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
02	984.4	6.7		-2.8	4.0	3.7	9.5
05	984.6	6.4		-3.3	4.9	3.5	7.6
08	984.5	9.3		-1.4	5.2	3.5	9.5
11	984.2	12.0		-1.0	5.7	3.5	10.9
14	983.9	13.3		2.0	5.6	3.7	9.5
17	983.6	12.9		2.1	5.7	3.6	8.2
20	983.6	10.1		1.0	4.8	3.1	7.4
23	983.7	8.3		1.5	4.4	3.4	7.5

Rain (pts)	Rain days (.01 in. or more)	Temperature °F							Sun-shine (hrs)	Anem. (mls per day)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.			
7	4	14.1	32.2	31	3.8	-07.4	9	-	-	4.7	9.9	NE 57 19th

DAVIS
Latitude 68° 35'S
Longitude 77° 58'E
Height above M.S.L. 40 ft.

NOVEMBER, 1961.

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
02	985.8	20.6		10.7	5.3	3.3	9.3
05	985.7	21.5		9.3	5.0	3.4	11.8
08	985.8	23.7		9.7	5.6	3.2	14.6
11	985.6	25.7		11.4	6.1	2.3	15.2
14	985.5	25.6		13.2	5.7	2.8	14.1
17	985.4	25.2		14.9	5.5	3.1	11.7
20	985.4	23.7		14.1	5.5	3.3	10.1
23	985.4	21.7		12.3	5.3	3.9	9.2

Rain (pts)	Rain days (.01 in. or more)	Temperature °F						Sun-shine (hrs)	Anem. (Mls per day)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.			
8	2	26.8	37.7	27	18.2	07.1	12	-	-	8.0	13.1	NE 67 24th

DECEMBER, 1961.

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
02	983.0	27.3		18.6	6.5	4.7	9.7
05	983.1	27.8		17.6	6.4	4.9	11.3
08	982.9	29.6		17.5	6.9	4.8	14.4
11	982.6	30.9		18.1	6.6	4.3	16.1
14	982.5	31.2		19.4	6.4	4.1	13.2
17	982.6	30.5		20.5	6.1	4.1	9.6
20	982.5	29.8		20.3	6.3	4.8	7.8
23	982.6	28.7		19.5	6.3	4.2	9.2

Rain (pts)	Rain days (.01 in. or more)	Temperature °F						Sun-shine (hrs)	Anem. (mls per day)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.			
9	3	32.8	37.4	24	26.3	23.5	15	-	-	4.5	13.3	NE 54 17th

MACQUARIE ISLAND

Latitude 54° 30'S

Longitude 158° 57'E

Height above M.S.L. 20 ft.

JANUARY, 1961.

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
00	1003.4	42.8	41.8	40.6	7.1	6.6	16.6
03	1002.9	42.7	41.9	40.7	7.3	7.0	17.6
06	1002.8	42.9	42.2	41.3	7.7	7.1	16.7
09	1002.9	43.6	42.8	41.8	7.6	7.2	17.4
12	1002.9	44.2	43.4	41.6	6.9	5.6	17.5
15	1002.9	44.2	43.0	41.4	7.1	5.7	17.8
18	1002.8	43.5	42.6	41.3	7.1	5.7	17.2
21	1003.0	43.1	42.1	40.9	7.3	5.9	15.8

Rain (pts)	Rain days (.01 in. or more)	Temperature °F							Sun-shine (hrs)	Anem. (Mls per day)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.			
295	25	46.6	49.0	18	39.8	36.9	10	38.3	38.3 19th	-	17.1	WNW 74 11th

FEBRUARY, 1961

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
00	999.6	41.0	39.5	36.7	6.5	6.3	11.8
03	999.6	41.0	39.4	37.2	6.4	6.1	13.3
06	999.8	41.2	39.8	37.8	7.5	6.7	13.4
09	1000.3	42.2	40.3	36.9	7.6	7.3	13.6
12	1000.1	42.7	40.9	38.0	7.3	6.4	14.6
15	1000.0	42.4	40.8	38.2	7.1	6.7	13.3
18	1000.2	41.6	39.7	37.0	7.4	7.0	12.3
21	1001.2	41.2	39.6	36.9	7.0	6.6	11.8

Rain (pts)	Rain days (.01 in. or more)	Temperature °F							Sun-shine (hrs)	Anem. (mls per day)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.			
245	21	45.0	48.4	9	38.1	31.9	20	34.3	28.0 20th.	-	14.8	NW 76 9th

MACQUARIE ISLAND

Latitude 54° 30'S

Longitude 158° 57'E

Height above M.S.L. 20 ft.

MARCH, 1961

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
00	998.6	42.2	41.0	39.5	6.9	6.6	17.9
03	998.4	41.4	40.4	39.1	6.1	5.7	17.3
06	998.2	41.7	40.6	39.1	6.9	6.3	18.3
09	997.8	42.4	41.1	39.2	7.3	6.9	19.7
12	997.0	42.9	41.6	39.6	6.7	6.3	20.3
15	996.8	42.7	41.2	38.9	6.6	6.2	18.1
18	996.6	42.1	41.0	39.2	7.0	6.5	18.2
21	999.0	42.0	40.9	38.2	6.4	6.1	17.9

Rain (pts)	Rain days (.01 in. or more)	Temperature °F						Sunshine (hrs)	Anem. (Mls per day)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.			
430	28	45.3	47.6	19	37.5	31.8	18	31.9	32.5 31st	-	20.0	W 70 17th

APRIL, 1961.

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
00	1003.5	41.1	40.0	38.5	6.7	6.7	17.6
03	1003.7	41.0	40.1	38.9	6.2	7.3	17.9
06	1004.0	41.1	40.1	38.6	7.3	7.2	17.3
09	1004.8	41.4	40.3	38.5	7.2	6.0	18.3
12	1004.7	41.9	40.8	38.9	7.0	6.3	18.7
15	1004.6	41.6	40.6	39.0	6.8	6.0	19.0
18	1004.9	41.3	40.4	39.1	6.8	6.1	18.7
21	1005.1	41.1	40.2	38.9	6.5	6.4	17.8

Rain (pts)	Rain days (.01 in. or more)	Temperature °F						Sunshine (hrs)	Anem. (mls per day)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.			
308	25	43.8	47.1	5	37.7	30.0	1	33.8	27.1 1st.	-	17.3	NW 59 12th

MACQUARIE ISLAND

Latitude 54° 30'S

Longitude 158° 57'E

Height above M.S.L. 20 ft.

MAY, 1961.

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
00	999.4	39.6	38.8	37.3	6.5	6.3	15.8
03	999.2	39.5	38.6	37.0	5.8	5.7	15.2
06	999.6	39.2	38.1	36.4	6.4	6.3	14.5
09	1000.3	39.9	38.2	35.4	6.6	5.5	15.6
12	999.9	39.9	38.5	36.5	6.5	5.9	15.6
15	999.8	39.8	38.4	35.9	6.5	5.8	16.2
18	999.5	39.4	38.5	37.0	6.7	6.4	17.2
21	999.4	39.8	38.9	37.4	6.1	5.6	17.3

Rain (pts)	Rain days (.01 in. or more)	Temperature °F							Sun-shine (hrs)	Anem. (Mls per day)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.			
323	27	43.0	45.1	2	35.2	35.9	31	32.5	26.3 30th	-	16.9	W 74 27th

JUNE, 1961.

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
00	996.3	37.1	35.7	32.9	6.3	6.2	15.7
03	996.5	36.9	35.5	32.7	6.7	6.4	14.1
06	997.0	36.7	35.2	32.4	6.3	6.2	12.8
09	997.1	36.7	35.1	32.2	6.6	5.9	13.3
12	996.5	37.6	35.9	33.0	6.8	5.7	13.9
15	996.4	37.3	35.8	33.0	6.5	5.8	13.1
18	996.5	37.1	35.5	32.5	5.6	5.3	13.4
21	996.9	37.3	35.7	32.9	6.1	5.9	14.0

Rain (pts)	Rain days (.01 in. or more)	Temperature °F							Sun-shine (hrs)	Anem. (mls per day)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.			
303	25	40.2	45.9	17	33.6	27.0	30	31.2	25.1 27th	-	13.6	WNW 73 14th

MACQUARIE ISLAND

Latitude 54° 30'S

Longitude 158° 57'E

Height above M.S.L. 20 ft.

JULY, 1961

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
00	1004.8	35.7	34.5	32.5	6.4	6.0	11.8
03	1004.9	35.2	33.9	30.9	5.7	5.5	12.0
06	1005.0	35.1	33.6	30.8	5.3	5.2	13.1
09	1005.5	35.3	33.7	30.6	6.4	5.7	11.8
12	1004.8	36.1	34.5	31.6	6.6	5.8	13.8
15	1004.4	35.8	34.4	32.0	6.7	6.1	14.3
18	1004.1	35.9	34.9	33.0	5.8	5.6	12.5
21	1004.2	36.2	35.2	33.2	6.5	6.3	13.8

Rain (pts)	Rain days (.01 in. or more)	Temperature °F							Sun-shine (hrs)	Anem. (Mls per day)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.			
150	25	38.9	42.2	14	32.0	21.4	6	29.6	19.1 7th.	-	11.6	NW, W 43 21st, 22nd

AUGUST, 1961.

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
00	1008.7	38.9	38.0	36.3	6.3	6.1	17.0
03	1008.0	39.1	38.3	37.2	7.0	6.5	19.0
06	1007.8	39.1	38.4	37.1	7.2	6.5	18.1
09	1008.5	39.6	38.4	36.4	6.9	6.3	16.5
12	1008.1	39.6	38.7	37.0	7.1	6.5	17.8
15	1008.5	39.1	38.1	36.2	7.1	6.5	17.1
18	1009.4	38.6	37.7	35.8	6.4	6.3	15.9
21	1009.8	38.9	37.7	35.6	6.7	6.6	16.7

Rain (pts)	Rain days (.01 in. or more)	Temperature °F							Sun-shine (hrs)	Anem. (mls per day)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.			
190	26	42.1	45.3	22	35.8	28.0	30	34.5	31.9 29th	-	17.6	W 50 16th

MACQUARIE ISLAND

Latitude 54° 30'S

Longitude 158° 57'E

Height above M.S.L. 20 ft.

SEPTEMBER, 1961.

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
00	1003.0	37.5	35.9	33.0	6.1	6.0	17.1
03	1002.5	37.6	36.1	33.6	5.8	5.6	17.1
06	1002.3	38.0	36.5	33.7	6.9	6.4	16.9
09	1002.5	38.6	37.1	34.6	6.4	5.8	17.8
12	1002.2	38.5	37.2	34.7	7.1	6.2	16.5
15	1001.9	38.5	36.9	34.0	7.2	6.7	16.1
18	1002.2	37.3	36.0	33.5	6.7	6.5	16.0
21	1002.2	37.4	35.8	32.8	6.8	6.6	17.1

Rain (pts)	Rain days (.01 in. or more)	Temperature °F						Mean Terr. Min.	Extr. Terr. Min.	Sunshine (hrs)	Anem. (Mls per day)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.						
187	23	41.5	45.4	5	33.1	23.7	14	31.8	21.0 16th.	-	17.1	W 66 14th

OCTOBER, 1961.

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
00	996.2	39.1	37.5	34.8	5.2	4.6	17.9
03	995.7	39.5	38.0	35.3	5.8	5.5	18.9
06	995.9	39.7	38.3	36.1	6.7	5.6	19.8
09	996.4	40.8	38.6	34.9	7.0	5.6	20.7
12	996.2	41.1	39.1	35.7	6.2	4.7	19.3
15	996.0	41.3	39.2	35.7	6.1	5.5	18.8
18	996.3	40.2	38.3	35.3	6.5	5.6	18.4
21	997.4	39.1	37.1	34.0	4.9	4.3	17.9

Rain (pts)	Rain days (.01 in. or more)	Temperature °F						Mean Terr. Min.	Extr. Terr. Min.	Sunshine (hrs)	Anem. (mls per day)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.						
242	26	43.5	46.1	25	35.4	28.2	30	34.0	26.7 30th	-	19.4	W 72 6th

MACQUARIE ISLAND.

Latitude 54° 30'S

Longitude 158° 57'E

Height above M.S.L. 20 ft.

NOVEMBER, 1961.

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
00	999.3	39.8	38.6	36.6	6.7	6.3	15.0
03	998.5	40.2	38.9	37.1	7.6	5.9	16.2
06	998.8	40.6	39.1	36.9	7.2	5.9	15.5
09	999.3	42.0	40.2	37.4	6.8	5.6	15.1
12	999.4	42.4	40.3	36.8	7.2	6.0	16.4
15	999.6	42.0	40.2	37.1	6.8	6.0	16.1
18	999.5	40.5	39.2	37.2	7.1	5.9	14.8
21	1000.1	40.2	38.8	36.3	7.1	6.2	15.1

Rain (pts)	Rain days (.01 in. or more)	Temperature °F							Sun-shine (hrs)	Anem. (Mls per day)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.			
184	27	44.5	47.8	29	36.9	29.4	15	35.7	27.5 18th	-	17.0	NW, WNW, 56 7th, 8th.

DECEMBER, 1961.

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
00	1000.1	42.7	41.8	40.5	7.3	6.8	16.3
03	1000.1	42.6	41.5	39.9	7.2	6.4	17.5
06	1000.8	43.0	41.6	39.5	7.4	6.6	16.0
09	1001.1	44.2	42.5	40.2	6.7	6.0	16.5
12	1000.8	44.5	43.1	41.0	7.0	5.4	17.4
15	1000.1	44.5	43.0	41.0	7.0	5.7	18.4
18	999.8	43.5	42.4	40.8	6.9	6.0	16.9
21	1000.3	42.8	41.8	40.5	6.8	6.0	18.5

Rain (pts)	Rain days (.01 in. or more)	Temperature °F							Sun-shine (hrs)	Anem. (mls per day)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.			
391	27	46.6	48.6	8	39.6	34.0	10	38.7	40.0 9th	-	19.4	W 62 23rd.

MAWSON

Latitude 67° 36'S

Longitude 62° 53'E

Height above M.S.L. 27 ft.

JANUARY, 1961.

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
02	986.6	27.3		17.0	4.7	1.3	20.6
05	986.6	27.1		15.2	4.7	1.3	22.6
08	986.3	29.2		16.3	5.1	1.6	23.3
11	986.2	32.7		19.6	5.4	2.1	19.1
14	986.4	35.0		22.0	5.0	2.2	13.7
17	986.3	34.8		22.7	5.4	2.3	10.0
20	986.3	32.9		22.4	5.5	2.0	10.2
23	986.4	29.6		19.6	5.2	1.8	16.0

Rain (pts)	Rain days (.01 in. or more)	Temperature °F								Sun-shine (hrs)	Anem. (Mls per day)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.			
-	-	36.0	45.1	6	25.9	18.4	28	-	-	9.6	17.9	SE 70 11th

FEBRUARY, 1961.

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
02	988.5	26.7		16.9	5.4	2.8	32.0
05	988.6	26.2		16.5	5.5	2.5	31.2
08	988.5	27.1		17.5	5.5	3.7	32.5
11	988.4	30.2		19.6	5.5	3.7	30.0
14	988.4	32.7		21.6	5.6	2.7	26.4
17	988.5	32.0		22.2	5.6	2.8	24.3
20	988.6	30.4		21.5	5.9	3.4	24.7
23	988.6	27.9		18.6	5.4	3.1	30.7

Rain (pts)	Rain days (.01 in. or more)	Temperature °F								Sun-shine (hrs)	Anem. (mls per day)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.			
-	-	33.6	38.4	4	24.1	15.4	26	-	-	6.4	28.3	SE 101 18th

MAWSON
Latitude 67° 36'S
Longitude 62° 53'E
Height above M.S.L. 27 ft.

MARCH, 1961.

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
02	984.8	14.2		6.9	4.7	3.8	30.3
05	984.5	13.6		6.4	4.8	3.4	29.8
08	984.6	13.4		6.3	5.4	3.6	29.9
11	984.5	16.1		8.6	4.9	3.6	28.8
14	984.4	18.7		10.4	5.2	3.4	28.3
17	984.6	18.8		11.0	5.4	2.8	25.5
20	984.6	15.3		8.7	4.7	2.8	29.4
23	984.8	13.9		6.4	3.6	2.7	29.7

Rain (pts)	Rain days (.01 in. or more)	Temperature °F								Sunshine (hrs)	Anem. (Mls per day)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.			
-	-	20.1	29.0	29	10.2	0.5	28	-	-	4.1	27.9	ESE 81 29th

APRIL, 1961.

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
02	988.6	8.6		-0.3	4.3	3.2	25.2
05	988.2	8.0		-1.1	3.9	2.9	26.5
08	988.0	7.9		-1.6	4.0	3.2	25.5
11	988.2	8.9		-0.1	4.9	3.4	25.2
14	988.2	10.3		1.1	4.5	3.2	22.5
17	988.1	9.6		-0.3	5.0	3.5	24.3
20	988.3	9.0		-0.3	4.6	3.2	24.2
23	988.5	8.5		-0.7	4.6	3.1	25.0

Rain (pts)	Rain days (.01 in. or more)	Temperature °F								Sunshine (hrs)	Anem. (mls per day)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.			
-	-	12.4	26.7	2	5.1	-10.2	30	-	-	5.6	23.6	ESE 65 5th

MAWSON
Latitude 67° 36'S
Longitude 62° 53'E
Height above M.S.L. 27 ft.

MAY, 1961.

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
02	986.6	7.9		-1.4	3.9	3.2	28.5
05	986.6	8.2		-1.5	4.5	3.3	28.6
08	986.5	8.5		-1.1	4.5	3.5	28.1
11	986.5	8.9		-0.9	4.2	4.4	27.0
14	986.6	10.0		0.1	6.0	4.1	25.5
17	986.8	9.3		-0.5	5.5	3.8	25.4
20	986.9	8.7		-0.2	4.9	3.3	25.7
23	987.1	8.9		-0.1	4.2	3.1	26.9

Rain (pts)	Rain days (.01 in. or more)	Temperature °F							Sunshine (hrs)	Anem. (Mls per day)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.			
-	-	12.3	23.9	15	4.5	-10.5	1	-	-	1.2	26.3	SE 77 10th

JUNE, 1961.

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
02	992.0	4.3		-7.6	3.5	3.0	22.3
05	991.6	4.4		-7.1	3.4	2.6	21.7
08	991.1	5.2		-6.2	3.2	2.2	25.0
11	991.0	5.2		-5.4	4.6	2.8	27.3
14	991.1	4.8		-5.8	5.0	3.2	24.8
17	991.1	4.2		-6.3	3.8	2.5	26.1
20	991.1	4.6		-6.8	4.4	3.0	24.5
23	991.1	4.3		-6.9	3.4	2.6	25.7

Rain (pts)	Rain days (.01 in. or more)	Temperature °F							Sunshine (hrs)	Anem. (mls per day)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.			
-	-	9.5	29.6	8	0.0	-15.4	4	-	-	0.1	25.9	SE 89 20th

MAWSON

Latitude 67° 36'S

Longitude 62° 53'E

Height above M.S.L. 27 ft.

JULY, 1961.

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
02	981.2	4.8		-5.8	4.2	3.7	22.0
05	981.4	4.3		-6.3	4.6	3.5	22.1
08	981.7	4.8		-5.9	4.9	3.5	21.9
11	982.1	4.4		-6.7	5.5	3.8	20.9
14	982.0	4.3		-6.3	5.7	4.1	22.9
17	982.0	4.1		-6.2	4.9	4.0	22.1
20	981.8	4.1		-6.4	5.1	4.3	22.0
23	981.5	4.4		-6.1	4.1	3.2	22.6

Rain (pts)	Rain days (.01 in. or more)	Temperature °F						Sun-shine (hrs)	Anem. (Mls per day)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.			
-	-	8.3	24.7	6	0.0	-24.6	27			0.8	23.9	SE 75 8th

AUGUST, 1961.

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
02	982.0	1.4		-10.4	3.8	2.6	27.0
05	982.2	0.8		-10.4	3.6	2.9	27.9
08	982.0	0.9		-10.5	4.6	3.7	27.5
11	982.3	1.7		- 9.5	5.0	3.4	26.9
14	982.3	2.6		- 8.4	4.7	3.0	27.4
17	982.7	2.2		- 8.8	5.2	3.2	25.2
20	983.0	1.9		- 9.0	3.8	2.8	24.7
23	982.9	2.0		-10.1	4.1	3.1	25.3

Rain (pts)	Rain days (.01 in. or more)	Temperature °F						Sun-shine (hrs)	Anem. (mls per day)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.			
-	-	5.8	21.8	27	-2.9	-17.2	11	-	-	2.9	27.0	SE 89 2nd.

MAWSON

Latitude 67° 36'S

Longitude 62° 53'E

Height above M.S.L. 27 ft.

SEPTEMBER, 1961.

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
02	990.8	7.1		-6.2	3.8	3.0	26.5
05	990.6	7.2		-6.0	4.6	3.3	28.2
08	990.5	7.6		-5.3	5.8	3.8	28.5
11	990.4	9.6		-3.2	6.0	4.7	27.0
14	990.4	11.8		-0.9	5.2	3.9	22.8
17	990.5	10.9		-1.5	5.3	4.0	21.5
20	990.5	8.2		-3.8	4.5	3.1	23.1
23	990.3	7.7		-4.7	3.5	2.6	26.0

Rain (pts)	Rain days (.01 in. or more)	Temperature °F							Sun-shine (hrs)	Anem. (Mls per day)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.			
-	-	12.8	25.3	2	3.6	-11.1	23	-	-	3.9	25.8	ESE 88 28th

OCTOBER, 1961.

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
02	984.6	7.4		-5.7	3.8	2.7	23.3
05	984.5	7.2		-6.4	4.1	3.0	22.8
08	984.4	8.6		-5.6	4.4	3.0	24.5
11	984.2	12.4		-2.5	4.4	3.5	22.1
14	984.5	13.8		-1.4	5.1	3.8	18.0
17	984.4	13.3		-0.9	5.0	3.5	16.7
20	984.5	10.8		-1.9	5.1	3.6	16.6
23	984.2	8.9		-4.3	4.3	3.3	21.5

Rain (pts)	Rain days (.01 in. or more)	Temperature °F							Sun-shine (hrs)	Anem. (mls per day)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.			
-	-	14.8	24.2	31	4.7	-6.8	10	-	-	7.5	19.5	ESE 67 21st.

MAWSON
Latitude 67° 36'S
Longitude 62° 53'E
Height above M.S.L. 27ft.

NOVEMBER, 1961.

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
02	986.6	20.1		8.5	5.8	4.4	20.4
05	986.5	19.8		6.5	5.8	4.4	22.6
08	986.4	21.9		8.5	5.4	4.4	21.1
11	986.3	26.0		11.7	5.2	4.1	18.5
14	986.4	27.4		13.5	5.1	3.7	14.5
17	986.2	27.1		14.4	5.4	3.8	15.2
20	986.5	25.0		13.7	6.1	4.0	14.3
23	986.8	22.0		10.4	5.7	4.3	18.6

Rain (pts)	Rain days (.01 in. or more)	Temperature °F							Sun-shine (hrs)	Anem. (Mls per day)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.			
-	-	29.2	35.2	15	17.3	0.7	5	-	-	8.3	18.0	ESE 52 13th

DECEMBER, 1961.

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
02	982.5	25.0		14.3	4.1	3.2	22.2
05	982.2	24.7		12.7	4.4	3.5	24.0
08	982.0	27.6		14.8	4.4	3.3	22.1
11	981.9	31.4		17.9	3.8	2.5	18.9
14	981.9	33.6		20.1	4.4	3.0	16.4
17	981.9	33.3		21.0	4.5	3.4	14.5
20	981.8	31.4		20.5	4.5	3.1	14.3
23	982.0	27.8		18.0	4.1	3.3	18.1

Rain (pts)	Rain days (.01 in. or more)	Temperature °F							Sun-shine (hrs)	Anem. (mls per day)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.			
-	-	34.6	39.5	24	23.2	18.6	3	-	-	10.6	18.8	ESE, SSE, ESE, 39. 18th, 24th 31st.

WILKES
Latitude 66° 15'S
Longitude 110° 35'E
Height above M.S.L. 39 ft.

JANUARY, 1961.

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
01	984.2	30.3	28.4	25.1	6.8	5.4	11.9
04	984.4	30.2	27.9	24.5	6.5	5.2	10.6
07	984.6	31.3	29.3	25.5	6.6	4.9	10.9
10	984.4	32.7	30.1	25.3	6.4	4.6	9.9
13	984.4	33.5	30.6	25.8	6.3	5.3	10.1
16	984.1	33.5	30.9	26.7	6.6	5.3	10.3
19	984.1	32.4	30.1	26.5	6.4	4.6	10.0
22	984.8	31.2	29.4	24.7	6.2	4.1	10.2

Rain (pts)	Rain days (.01 in. or more)	Temperature °F						Sun-shine (hrs)	Anem. (Mls per day)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.			
100	6	35.7	41	6	28.1	23	23	-	-	-	-	NNE 50 27th.

FEBRUARY, 1961.

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
01	991.2	27.2	25.5	22.2	6.4	6.0	14.5
04	991.3	27.2	25.1	21.0	6.6	6.0	15.1
07	991.6	27.5	25.5	21.6	6.9	5.8	16.2
10	992.5	29.4	27.3	23.8	6.7	6.4	14.7
13	991.5	30.1	27.9	24.0	6.7	6.2	14.5
16	990.8	29.7	27.7	24.0	6.3	5.7	14.7
19	990.5	28.9	27.1	24.0	6.4	6.0	14.7
22	990.7	27.9	26.3	23.7	6.7	6.3	13.6

Rain (pts)	Rain days (.01 in. or more)	Temperature °F						Sun-shine (hrs)	Anem. (mls per day)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.			
8	3	33.3	39	4	23.8	11	18	-	-	-	-	N, NNE, 60 1st, 25th.

WILKES
Latitude 66° 15'S
Longitude 110° 35'E
Height above M.S.L. 39 ft.

MARCH, 1961.

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
01	983.3	22.3	21.1	18.5	6.1	6.1	13.8
04	983.4	22.1	21.0	18.2	7.0	6.7	12.6
07	983.7	23.3	22.2	19.8	7.4	7.4	14.6
10	983.3	24.2	22.9	20.1	6.4	6.2	15.2
13	983.5	24.9	23.2	19.7	6.6	6.3	16.4
16	983.6	24.5	23.1	20.2	6.6	6.5	14.7
19	983.7	23.0	21.7	18.9	7.0	6.5	14.2
22	983.7	22.3	20.9	17.7	6.9	6.5	14.2

Rain (pts)	Rain days (.01 in. or more)	Temperature °F								Sun-shine (hrs)	Anem. (Mls per day)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.			
105	9	28.0	34	11	17.2	9	9	-	-	2.6	20.1	N 68 1st

APRIL, 1961.

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
01	983.8	14.5	13.4	9.9	5.6	5.3	9.1
04	983.6	14.2	13.2	10.3	6.0	5.8	8.5
07	983.9	14.4	13.5	10.7	6.8	5.9	8.6
10	983.7	16.0	15.0	11.8	6.8	5.9	7.8
13	983.5	16.9	15.6	12.4	6.7	5.6	6.8
16	983.4	16.7	15.4	12.0	6.7	5.7	8.9
19	983.8	15.1	14.0	10.7	6.0	5.7	6.4
22	983.8	14.4	13.4	10.4	5.6	5.6	6.2

Rain (pts)	Rain days (.01 in. or more)	Temperature °F								Sun-shine (hrs)	Anem. (mls per day)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.			
143	6	20.3	29	1 & 16	8.5	00	7	-	-	1.4	10.3	NNE 56 14th

WILKES
Latitude 66° 15'S
Longitude 110° 35'E
Height above M.S.L. 39 ft.

MAY, 1961.

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
01	981.5	14.5	13.1	10.0	6.0	5.0	17.7
04	981.7	13.6	12.8	10.1	5.5	4.9	16.4
07	981.9	12.9	12.0	9.1	5.3	4.7	16.3
10	982.3	13.0	12.2	9.3	6.4	4.9	14.7
13	982.9	13.2	12.2	8.7	6.6	5.7	13.5
16	982.5	13.3	12.0	8.9	6.3	5.6	16.8
19	982.3	13.7	12.3	9.2	6.0	5.4	17.0
22	982.1	13.6	12.5	9.3	5.4	5.1	16.6

Rain (pts)	Rain days (.01 in. or more)	Temperature °F							Sun-shine (hrs)	Anem. (Mls per day)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.			
15	3	19.4	32	15	6.8	00	7 10 23 30	-	-	0.4	13.1	N 90 4th

JUNE, 1961.

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
01	987.6	7.0	5.8	3.1	4.4	4.4	14.8
04	987.6	6.5	5.2	2.6	4.7	4.6	14.0
07	988.3	5.8	4.9	1.9	5.3	5.3	13.2
10	988.2	6.8	5.1	2.1	6.1	5.7	12.2
13	986.6	7.3	5.9	3.1	6.4	5.7	15.5
16	986.3	7.2	5.9	3.5	5.9	5.7	16.2
19	986.5	7.9	7.1	4.2	4.8	4.8	13.2
22	986.3	8.3	7.2	4.2	4.8	4.8	15.2

Rain (pts)	Rain days (.01 in. or more)	Temperature °F							Sun-shine (hrs)	Anem. (mls per day)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.			
197	9	16.4	41	7	-2.3	00	11	-	-	0.0	18.5	N 66 6th

WILKES
Latitude 66° 15'S
Longitude 110° 35'E
Height above M.S.L. 39 ft.

JULY, 1961.

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
01	981.7	11.4	9.9	7.9	6.7	6.1	23.9
04	981.2	10.9	9.2	7.1	6.4	6.1	24.9
07	981.1	11.5	8.3	6.2	6.7	6.7	22.8
10	981.1	11.4	7.6	5.7	7.7	7.2	21.9
13	980.7	12.1	10.1	7.8	7.2	6.7	27.2
16	981.0	11.5	10.2	8.6	6.9	6.7	26.5
19	981.4	11.1	9.2	7.5	6.8	6.6	26.8
22	981.7	11.4	9.0	7.7	7.0	6.9	24.8

Rain (pts)	Rain days (.01 in. or more)	Temperature °F							Sunshine (hrs)	Anem. (Mls per day)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.			
162	9	18.8	35	4	3.0	00	1	-	-	25	16.7	N 86 11th

AUGUST, 1961.

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
01	978.8	8.6	7.9	5.7	5.1	5.0	16.5
04	979.5	8.2	7.3	4.6	5.3	5.1	16.6
07	980.7	7.8	7.3	5.1	6.1	5.8	16.6
10	980.4	8.9	8.2	5.8	6.3	5.7	17.0
13	980.0	9.8	9.1	6.3	6.6	5.3	18.1
16	979.8	8.9	8.3	6.2	6.5	5.4	16.8
19	979.8	8.9	7.9	5.1	5.5	5.0	16.6
22	979.2	8.3	7.6	5.5	4.9	4.4	19.3

Rain (pts)	Rain days (.01 in. or more)	Temperature °F							Sunshine (hrs)	Anem. (mls per day)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.			
47	6	16.7	31	24	1.2	00	31	-	-	-	-	N 75 19th

WILKES
Latitude 66° 15'S
Longitude 110° 35'E
Height above M.S.L. 39 ft.

SEPTEMBER, 1961.

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
01	985.9	10.3	9.5	6.9	5.8	5.7	10.6
04	985.7	10.0	9.4	6.8	5.9	5.6	10.2
07	985.7	10.6	9.8	7.3	6.8	5.6	8.5
10	985.6	12.5	11.7	9.4	6.7	5.1	10.0
13	985.5	14.1	13.3	10.9	6.8	5.1	9.8
16	985.3	12.0	11.2	8.6	6.7	5.4	10.0
19	985.6	10.0	9.4	7.1	5.7	5.1	9.9
22	985.6	9.9	9.3	6.9	5.8	5.4	9.8

Rain (pts)	Rain days (.01 in. or more)	Temperature °F							Sun-shine (hrs)	Anem. (Mls per day)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.			
375	10	18.5	34	6	3.6	00	5 & 6	-	-	-	-	N 72 9th

OCTOBER, 1961.

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
01	977.4	2.8	2.1	-1.9	3.5	3.2	8.1
04	977.4	1.9	1.2	-2.3	4.0	3.4	5.4
07	977.4	4.9	4.1	1.0	4.1	3.6	7.1
10	977.4	9.6	8.8	5.3	4.5	3.9	7.7
13	977.2	11.3	10.3	6.5	5.0	4.3	9.1
16	977.2	10.4	9.5	5.5	5.0	4.3	9.2
19	977.5	7.8	7.0	3.5	5.0	4.3	8.7
22	977.6	5.2	4.3	6.0	3.8	3.3	7.1

Rain (pts)	Rain days (.01 in. or more)	Temperature °F							Sun-shine (hrs)	Anem. (mls per day)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.			
9	3	14.7	30	12 & 31	-3.3	0.0	18 19 20	-	-	-	-	N 50 20th

WILKES
Latitude 66° 15'S
Longitude 110° 35'E
Height above M.S.L. 39 ft.

NOVEMBER, 1961.

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
01	979.8	18.2	16.9	13.5	5.0	4.4	9.9
04	980.3	18.7	17.3	13.3	5.6	4.4	9.1
07	980.8	22.1	20.6	17.5	4.9	3.8	8.2
10	980.7	24.3	22.5	18.3	5.1	4.1	9.5
13	980.3	25.7	23.9	20.3	5.3	4.4	10.2
16	980.0	24.9	23.2	20.3	5.3	4.2	12.2
19	980.4	22.4	21.1	17.8	5.3	4.2	11.3
22	980.0	19.2	17.9	14.7	5.3	4.4	10.7

Rain (pts)	Rain days (.01 in. or more)	Temperature °F						Mean Terr. Min.	Extr. Terr. Min.	Sunshine (hrs)	Anem. (Mls per day)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.						
25	3	29.0	42	21	12.0	02	7 11 12 13	-	-	-	-	N 65 25th

DECEMBER, 1961.

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
01	981.4	24.4	22.5	18.5	5.2	4.8	10.3
04	981.5	25.2	23.3	19.4	5.5	4.7	8.6
07	981.6	28.3	26.1	22.1	5.3	4.4	8.5
10	981.3	29.4	26.9	22.8	5.4	4.9	9.6
13	981.3	30.7	28.2	24.0	5.4	4.4	8.9
16	981.3	30.5	27.9	23.3	4.8	3.7	8.6
19	981.2	29.0	26.5	22.1	5.0	4.0	8.7
22	981.2	26.3	24.0	20.2	4.7	3.8	9.2

Rain (pts)	Rain days (.01 in. or more)	Temperature °F						Mean Terr. Min.	Extr. Terr. Min.	Sunshine (hrs)	Anem. (mls per day)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.						
28	5	33.4	40	15	19.9	14	11 & 12	-	-	-	11.8	N 38 23rd.

FREQUENCY ANALYSES
DAVIS 1961

Station Level Pressure

Upper Limit Range - mb	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
950							3						3
955							5						5
960					1		8						9
965	1		4		7	1	13	2			4	4	36
970	4		13	4	17	7	29	27	8		10	9	128
975	11	1	23	18	40	14	63	60	11	18	14	32	305
980	35	15	69	37	77	39	117	107	13	74	37	64	684
985	122	34	124	97	141	76	169	148	56	119	106	153	1345
990	171	89	182	164	164	123	218	209	127	212	179	225	2063
995	224	188	230	205	188	151	237	237	183	245	219	248	2555
1000	248	214	247	232	224	191	248	239	218	248	240	248	2797
1005	248	219	248	240	248	217	248	242	237	248	240	248	2883
1010	248	224	248	240	248	236	248	247	240	248	240	248	2915
1015	248	224	248	240	248	240	248	248	240	248	240	248	2920

Maximum Temperature

Upper Limit Range - °F													
516							1						1
514							1	1					2
513							1	2					3
510						1	1	3					5
508						1	2	4					7
507						2	2	4					8
506						4	2	4					10
505						5	2	4					11
504						7	4	5					16
503						7	5	7					19
502					1	8	6	7					22
501					1	8	7	8					24
000					1	8	8	8					25
001					1	8	10	11	2				32
002					2	9	10	11	3	2			37
003				1	3	9	10	12	3	3			41
004				1	4	10	10	13	3	5			46
005				1	4	11	11	14	4	5			50
006				1	4	14	11	14	4	6			54
007				3	5	16	11	14	4	7			60
008				3	6	17	11	16	5	7			65
009				5	6	18	11	16	8	11			75
010				6	8	18	11	17	9	13			82
011				8	10	19	12	17	10	14			90
012				10	10	20	12	18	11	15			96
013				10	12	20	14	18	14	17			105
014				11	17	20	16	19	16	18			117
015				12	18	20	17	20	16	19			122
016				12	19	20	18	20	18	19			126
017			2	13	19	21	19	23	19	20			136
018			4	15	20	24	19	23	21	21			147
019			5	16	21	24	19	25	24	22			156
020			9	17	22	25	21	25	24	22	2		167
021			11	18	23	26	22	25	24	23	4		176
022			14	18	25	27	24	26	25	24	5		188
023			15	23	26	27	25	29	26	27	8		206
024			17	24	28	28	27	30	27	27	12		220
025			19	24	28	30	29	31	28	28	14		231
026			21	26	28	30	29	31	29	29	18		241
027			21	28	29	30	29	31	29	30	19		246
028		1	23	29	31	30	30	31	29	30	20	1	255
029		1	27	30	31	30	31	31	30	30	20	3	264
030	1	1	27	30	31	30	31	31	30	30	23	4	269
031	5	3	29	30	31	30	31	31	30	30	25	11	286
032	6	6	31	30	31	30	31	31	30	31	25	15	297
033	10	9	31	30	31	30	31	31	30	31	26	17	307
034	10	14	31	30	31	30	31	31	30	31	27	22	318
035	12	16	31	30	31	30	31	31	30	31	29	29	331
036	14	18	31	30	31	30	31	31	30	31	29	29	335
037	21	21	31	30	31	30	31	31	30	31	29	31	347
038	24	22	31	30	31	30	31	31	30	31	30	31	352
039	25	25	31	30	31	30	31	31	30	31	30	31	356
040	27	28	31	30	31	30	31	31	30	31	30	31	361
041	28	28	31	30	31	30	31	31	30	31	30	31	362
042	30	28	31	30	31	30	31	31	30	31	30	31	364
043	31	28	31	30	31	30	31	31	30	31	30	31	365

Minimum Temperature

Upper Limit Range - °F	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
520							1						1
519							2						2
518							2	2					4
517							3	3					6
515						1	3	4					8
514						3	3	4					10
513						3	5	5					13
512						4	9	6					19
511						5	9	8					22
510						6	9	9					24
509						7	9	10	1				27
508						8	9	11	1				29
507						10	9	11	2	1			33
506					1	10	9	13	2	2			37
505					2	12	9	15	3	3			44
504					3	15	10	16	3	4			51
503					5	15	11	17	4	8			60
502					5	15	11	17	4	11			63
501				1	5	16	11	18	5	13			69
500				1	5	16	11	18	6	14			71
000				3	6	17	11	19	7	15			78
001				4	9	18	11	20	8	16			86
002				4	13	19	12	23	8	18			97
003				7	13	20	12	24	9	19			104
004				8	15	20	12	24	15	19			113
005			1	10	17	22	14	24	18	20			126
006			5	11	17	23	15	24	20	21			136
007			7	11	17	24	18	25	23	21	1		147
008			7	12	18	24	18	25	23	22	1		150
009			7	14	19	25	18	25	24	22	2		156
010			7	15	20	25	18	26	25	25	3		164
011			8	16	22	26	18	26	25	25	3		169
012			10	17	23	27	20	26	25	26	6		180
013			11	18	25	27	20	26	26	26	7		186
014			13	19	26	27	22	26	27	27	10		197
015			16	20	26	27	22	26	28	28	11		203
016			16	20	26	27	23	27	29	28	11		207
017			17	20	26	28	25	29	30	28	14		217
018			19	23	28	28	26	30	30	29	16		229
019			21	25	29	28	28	30	30	29	17		237
020		1	24	26	31	30	29	30	30	30	18		249
021		3	25	26	31	30	30	31	30	30	21		257
022		3	26	28	31	30	30	31	30	30	22		261
023		3	26	30	31	30	30	31	30	30	25	1	267
024		4	27	30	31	30	31	31	30	30	25	3	272
025		10	28	30	31	30	31	31	30	31	28	12	292
026	3	12	29	30	31	30	31	31	30	31	28	19	305
027	4	16	29	30	31	30	31	31	30	31	28	23	314
028	8	16	31	30	31	30	31	31	30	31	29	26	324
029	8	21	31	30	31	30	31	31	30	31	29	30	333
030	19	25	31	30	31	30	31	31	30	31	30	31	350
031	22	26	31	30	31	30	31	31	30	31	30	31	354
032	28	27	31	30	31	30	31	31	30	31	30	31	361
033	30	28	31	30	31	30	31	31	30	31	30	31	364
035	31	28	31	30	31	30	31	31	30	31	30	31	365

Speed of Maximum Wind Gust

Upper Limit Range - Knots	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
10			1		2			4	3	1	3	1	15
20	13	3	11	11	9	11	8	16	10	19	8	9	128
30	24	10	19	16	15	18	13	17	18	23	15	17	205
40	28	17	22	23	21	23	20	22	23	24	21	25	269
50	31	21	25	28	25	26	25	23	26	28	24	29	311
60	31	24	28	30	28	28	26	25	27	31	26	31	335
70	31	27	29	30	30	30	29	30	27	31	30	31	355
80	31	28	30	30	31	30	31	30	28	31	30	31	361
90	31	28	31	30	31	30	31	30	28	31	30	31	362

Daily Duration of Sunshine

Upper Limit Range - Hours													
00	6	3	13	22	21	29	29	16	12	11	9	11	182
01	7	5	17	27	22	29	29	17	13	13	9	11	199
02	7	6	18	27	24	29	30	18	13	14	10	15	211
03	9	8	19	27	27	29	30	20	15	14	10	18	226
04	9	10	19	28	29	29	30	22	17	16	11	19	239
05	11	11	19	28	31	29	31	24	18	17	14	21	254
06	12	11	24	28	31	29	31	30	19	17	14	22	268
07	12	11	26	29	31	29	31	31	22	19	15	23	279
08	14	15	27	30	31	29	31	31	24	20	16	23	291
09	14	16	28	30	31	29	31	31	24	25	16	23	298
10	14	18	31	30	31	29	31	31	29	26	18	23	311
11	15	19	31	30	31	29	31	31	30	27	19	24	317
12	16	21	31	30	31	29	31	31	30	29	20	26	325
13	17	21	31	30	31	29	31	31	30	31	22	27	331
14	19	23	31	30	31	29	31	31	30	31	24	27	337
15	22	26	31	30	31	29	31	31	30	31	25	28	345
16	23	28	31	30	31	29	31	31	30	31	26	28	349
17	23	28	31	30	31	29	31	31	30	31	26	28	349
18	23	28	31	30	31	29	31	31	30	31	26	29	350
19	24	28	31	30	31	29	31	31	30	31	27	30	353
20	24	28	31	30	31	29	31	31	30	31	28	30	354
21	27	28	31	30	31	29	31	31	30	31	28	30	357
22	29	28	31	30	31	29	31	31	30	31	28	30	359
23	29	28	31	30	31	29	31	31	30	31	29	30	360
24	30	28	31	30	31	29	31	31	30	31	30	30	362

Screen Temperature v Dew Point Depression

Dew Point Depression

	°F	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	>14	Total
Jan.	026													1	1		1	3
	027									1				2	2		5	10
	028									1		1	1	2	4	2	7	18
	029					1	1		1	2		3	2	2	4	3	14	31
	030					2	1		3	2	1	4	4	2	6	4	27	55
	031					2	1		3	6	2	6	5	6	6	6	40	83
	032					2	1	1	3	10	4	10	6	8	14	8	82	149
	033					2	1	1	4	11	5	10	6	8	15	8	95	166
	034					2	1	1	4	12	5	11	6	10	15	9	112	188
	035					2	1	1	4	12	5	11	7	11	15	10	128	207
	036					2	1	1	4	12	5	11	7	12	15	10	143	223
	037					2	1	1	4	12	5	11	7	12	16	10	147	228
	038					2	1	1	4	12	5	11	7	12	17	10	156	238
	039					2	1	1	4	12	5	11	7	12	17	10	162	244
	040					2	1	1	4	12	5	11	7	12	17	10	163	245
	041					2	1	1	4	12	5	11	7	12	17	10	166	248
	042																	
Feb.	020														1			1
	021														1		1	2
	022														1		3	4
	023														2		5	7
	024														2	1	5	8
	025								1					1	2	1	11	16
	026								1					1	3	2	14	21
	027				1				1					1	5	2	24	34
	028				1				1					1	5	2	33	43
	029				1				1					1	5	3	46	57
	030				1	1			2	1			1	2	6	4	63	79
	031				1	1			2	1			2	3	7	5	84	105
	032				1	2			2	1			3	3	9	7	108	135
	033				1	2			4	1	2		3	4	10	7	127	161
	034				1	3		1	4	1	3		5	4	12	7	139	178
	035				1	3		1	4	1	4	1	5	4	12	9	153	198
	036				1	3		1	4	1	4	2	5	4	12	9	161	207
	037				1	3		1	4	1	4	2	5	4	12	9	169	215
	038				1	3		1	4	1	4	2	5	4	13	9	174	221
	039				1	3		1	4	1	4	2	5	4	13	10	175	223
	040				1	3		1	4	1	4	2	5	4	13	10	176	224
Mar.	005								1									
	006							2	1									1
	007							3	4	1	1							4
	008						1	3	4	2	2	1		1	1		1	11
	009						1	3	4	2	2	1		1	1		2	15
	010						1	3	4	2	3	1		1	1		2	17
	011						1	3	5	3	3	2	1	1	1	1	4	18
	012						2	3	6	3	4	2	3	2	1	1	5	25
	013						2	3	6	3	4	3	3	3	1	1	6	32
	014						2	3	6	3	5	3	3	3	2	3	8	35
	015						4	4	6	4	5	3	3	5	2	3	8	41
	016	1				2	4	4	6	4	5	5	4	5	3	3	10	47
	017	1		1		2	4	6	8	4	7	6	4	5	4	6	10	56
	018	3	1	1		3	5	8	9	4	7	6	5	7	4	7	14	68
	019	4	1	2		4	6	10	9	4	7	9	6	8	5	7	16	84
	020	7	2	2	1	5	7	13	10	4	7	10	9	10	7	7	22	98
	021	7	3	3	1	6	7	15	11	5	8	10	12	14	10	7	24	123
	022	8	4	3	1	6	8	15	11	6	9	11	12	16	13	7	27	143
	023	9	4	3	2	7	9	16	11	6	9	11	14	16	15	9	29	157
	024	11	4	3	3	9	9	16	11	6	9	11	14	16	16	10	30	170
	025	12	4	3	3	9	9	17	12	7	10	13	16	17	16	10	31	178
	026	12	4	3	3	9	9	18	12	7	12	13	16	18	17	12	34	189
	027	12	5	3	3	9	9	18	12	7	12	13	18	20	17	14	35	199
	028	12	5	3	4	11	9	18	12	8	17	14	20	20	18	14	36	207
	029	12	5	3	4	11	1	18	13	10	20	16	22	23	18	14	36	221
	030	12	5	3	4	11	10	18	13	10	23	18	23	23	18	14	36	235
	031	12	5	3	4	11	10	18	14	10	23	18	24	24	18	14	36	241
	032	12	5	3	4	11	10	18	14	11	23	18	24	24	19	14	36	244
																		246

FREQUENCY ANALYSES
DAVIS 1961

Screen Temperature v Dew Point Depression

Dew Point Depression

	°F	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	>14	Total
Apr.	501												2	1				3
	000												3	2				5
	001								1				3	5				9
	002								1				4	6	1			12
	003				1				1			1	4	6	3			16
	004				1				1		2	5	5	7	4		1	26
	005				1	2	1		1		3	7	6	7	4	1	1	34
	006			2	1	4	1	1	1		3	8	9	8	6	1	1	46
	007			2	2	4	2	1	1		4	9	10	8	6	2	1	52
	008			2	2	4	2	2	1	2	5	11	10	9	7	2	2	61
	009			2	2	4	2	3	3	3	6	13	11	11	7	2	2	71
	010			2	2	4	3	3	3	5	8	13	11	15	7	4	5	85
	011			2	3	4	3	3	3	6	8	15	13	16	8	4	7	95
	012			2	3	4	3	3	5	6	10	15	15	17	10	5	7	105
	013			2	3	4	3	3	5	6	10	15	15	17	10	6	9	108
	014			2	3	4	4	3	5	8	11	15	15	17	10	6	9	112
	015			2	3	5	4	3	5	9	12	15	16	17	10	7	11	119
	016	1		3	3	5	4	4	6	9	14	17	16	19	11	7	11	130
	017	1	1	3	3	5	4	4	6	9	14	18	16	20	15	8	11	138
	018	2	1	3	3	5	5	4	7	10	18	18	16	20	15	10	11	148
	019	2	4	3	4	7	6	4	7	10	18	19	16	21	16	10	13	160
	020	7	5	4	4	8	7	4	7	10	18	20	16	23	16	10	15	174
	021	7	5	4	4	9	7	4	7	10	18	20	16	24	16	10	18	179
	022	7	5	4	4	10	8	4	7	11	18	20	16	25	16	11	24	190
	023	7	5	4	4	10	10	4	7	12	18	21	16	26	17	13	30	204
	024	7	5	4	5	10	10	4	7	12	18	21	16	26	17	16	32	210
	025	7	8	4	5	11	10	4	7	12	18	21	16	28	17	17	35	220
	026	8	8	4	6	11	10	4	7	13	18	21	16	28	17	17	39	227
	027	8	8	4	6	11	10	4	7	13	18	21	17	29	20	19	42	237
	028	8	8	4	6	11	10	4	7	13	18	21	17	29	20	19	45	240

May.	505											1	1	1				3
	504											2	5	3	2			12
	503										2	3	6	4	2			17
	502										2	5	8	5	3			23
	501										3	5	8	5	4			25
	000										4	6	8	5	4			27
	001										4	6	10	5	4		2	31
	002								1	1	5	8	10	5	4	1	3	38
	003								1	1	6	9	12	5	4	1	6	45
	004				1				1	1	6	11	15	6	4	1	8	54
	005				1			1	1	1	6	12	16	9	7	1	8	63
	006				1			1	1	1	7	12	20	11	10	2	9	75
	007		1		1			3	1	2	9	13	22	13	10	2	10	87
	008		1	1	2			3	1	2	10	13	23	14	11	2	11	94
	009		1	1	2	1		5	2	2	10	13	25	15	12	2	14	105
	010		2	2	2	1		5	3	4	10	14	26	16	13	3	17	118
	011		6	3	2	1		7	3	6	11	15	27	16	14	3	18	132
	012		6	3	2	2		7	4	7	14	16	27	16	15	3	18	140
	013		7	3	2	2		7	4	8	15	17	28	17	16	4	20	150
	014		7	3	2	2	1	7	5	8	15	18	30	19	17	6	21	161
	015		7	3	3	2	2	7	6	8	15	19	33	20	19	7	22	173
	016		7	3	3	3	2	7	6	8	15	19	33	20	19	8	23	176
	017		7	4	4	3	2	7	6	8	16	19	33	20	19	8	25	181
	018		7	4	6	3	2	7	7	8	17	19	33	20	19	8	27	187
	019		7	4	6	3	2	10	9	8	17	21	33	20	19	8	28	195
	020		7	4	8	4	2	10	10	11	18	21	34	23	19	8	33	212
	021		8	4	8	4	2	11	11	11	20	21	34	25	20	9	33	221
	022		9	4	8	4	2	11	12	12	22	23	34	27	21	9	33	231
	023		9	4	8	4	2	12	12	12	22	23	34	27	22	11	35	237
	024		9	4	8	4	2	13	13	12	23	23	34	27	22	11	35	240
	025		9	4	8	4	2	13	13	12	25	24	34	28	22	12	36	246
	026		9	4	8	5	2	13	13	12	25	24	34	28	22	12	36	247
	028		9	4	8	5	2	13	13	12	25	24	34	28	23	12	36	248

Screen Temperature v Dew Point Depression

Dew Point Depression

	°F	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	>14	Total
Jun.	515						1											1
	514						1	1	1									3
	513					1	3	1	1									6
	512					2	3	1	4									10
	511					2	3	1	6					1				13
	510				1	2	4	4	9	2	1		1	1	1			26
	509				1	2	4	4	9	2	2		2	2	1	1		30
	508				1	4	4	4	11	2	4	1	3	3	2	1		40
	507				1	5	4	5	11	4	6	1	3	8	2	1		51
	506				1	5	4	6	11	6	6	4	3	10	2	1		59
	505				1	5	5	6	11	6	7	7	3	10	2	2		65
	504				1	5	6	6	14	7	9	8	6	10	4	2		78
	503				1	5	6	8	14	8	9	9	6	14	4	2		86
	502				1	5	6	8	14	8	9	9	6	15	6	2		89
	501				1	5	6	10	14	9	9	10	6	17	7	3		97
	500				1	5	6	12	15	10	10	10	6	17	8	3		103
	001				1	6	6	13	16	10	10	10	6	18	9	6		111
	002				1	6	6	13	16	11	12	10	7	19	10	7		118
	003				1	6	6	13	16	12	12	11	8	19	13	7	1	125
	004				1	6	6	13	16	14	12	11	9	20	14	9	1	132
	005				1	7	6	14	16	16	12	12	10	20	14	9	1	138
	006				1	8	9	14	16	17	12	12	11	20	15	9	3	147
	007		1		1	8	9	16	17	17	13	14	11	21	16	9	3	156
	008		1	1	1	8	9	16	18	18	13	14	11	22	17	9	3	161
	009		2	2	1	8	10	16	18	19	13	14	11	22	17	9	5	167
	010		3	3	1	8	10	17	18	20	13	14	11	22	17	9	6	172
	011		4	4	1	8	11	17	18	20	13	14	11	22	17	9	6	175
	012	1	4	5	1	8	11	18	18	21	13	14	11	22	18	9	7	181
	013	2	4	5	2	8	11	18	18	21	14	14	12	22	18	9	7	185
	014	2	4	5	2	8	11	19	18	21	15	14	12	22	18	9	7	187
	015	2	4	5	2	8	11	20	18	21	15	14	12	22	18	10	7	189
	016	2	4	5	2	8	11	20	18	22	17	16	13	22	18	10	8	196
	017	2	5	5	2	8	11	20	19	24	17	18	13	23	19	10	8	204
	018	2	5	5	3	8	13	20	19	26	20	19	13	24	19	10	8	214
	019	2	5	5	3	8	13	20	19	26	21	19	13	24	19	10	8	215
	020	2	5	5	3	8	14	21	21	26	21	19	13	24	19	10	8	219
	021	2	5	5	3	8	14	23	21	26	21	23	14	24	19	10	8	226
	022	2	5	5	3	8	14	23	21	26	21	24	16	24	19	10	8	229
	023	2	5	5	3	8	14	24	21	26	22	25	16	24	19	10	8	232
	024	2	5	5	3	9	15	25	22	27	23	25	17	24	19	10	8	239
	025	2	5	5	3	9	15	25	22	27	23	25	17	25	19	10	8	240

Screen Temperature v Dew Point Depression

Dew Point Depression

	°F	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	>14	Total
Jul.	520					1												1
	519					2												2
	518					3		2	1									6
	517				1	4		2	1									8
	516				1	4		2	2									9
	514				1	4		4	2									11
	513				1	4		4	2			1						12
	512				2	4		4	3	2	2	1						18
	511				3	4		5	3	3	6	2						26
	510				5	4		6	3	6	11	2						37
	509				5	4	1	6	3	7	12	2						40
	508				6	5	1	6	3	7	13	2						43
	507				6	5	1	7	3	7	14	2						45
	506				7	5	1	7	4	8	14	2						48
	505				7	5	2	8	5	8	14	2						51
	504				7	6	2	8	5	8	16	2						54
	503				7	8	2	8	7	8	16	2					3	61
	502				7	9	3	8	7	8	16	2					3	63
	501				8	11	4	8	7	8	17	2	1	1	1		4	72
	500				8	11	4	8	7	9	17	2	3	4	5		4	82
	001				8	11	4	8	7	9	17	3	4	4	5		4	84
	002				8	11	4	8	7	9	17	3	4	4	5		5	85
	004				8	11	4	8	7	10	17	4	4	4	5		6	88
	005				8	11	4	8	7	10	18	5	4	5	5		6	91
	006				8	11	4	8	7	10	18	5	4	5	7		6	93
	007				8	11	4	8	7	10	18	6	4	5	7	2	6	96
	008				8	11	4	9	9	10	18	7	4	5	9	2	6	102
	009				8	11	4	10	9	10	19	7	5	5	11	3	6	108
	010				8	11	4	11	10	11	19	8	5	5	11	3	9	115
	011				8	11	4	11	10	11	19	9	6	7	11	4	10	121
	012				8	11	4	11	10	11	19	9	7	8	13	4	15	130
	013				8	11	5	11	11	11	19	9	7	10	14	7	16	139
	014				8	11	5	11	12	11	19	9	7	10	14	8	20	145
	015				8	11	5	11	12	11	19	10	7	11	14	11	24	154
	016				8	11	5	11	12	11	19	10	7	11	16	11	26	158
	017				9	11	5	11	12	11	19	11	7	12	16	13	32	169
	018				9	11	5	11	12	13	19	11	7	12	16	14	34	174
	019				9	11	6	11	12	13	20	12	7	12	16	19	36	184
	020			1	10	11	6	13	13	13	22	14	9	12	17	21	38	200
	021		1	1	10	11	7	13	13	13	22	19	9	14	17	23	39	212
	022	2	2	2	10	11	7	13	13	13	23	20	9	14	18	24	40	221
	023	4	4	2	10	11	7	13	14	13	24	21	9	14	19	24	42	231
	024	4	4	2	10	11	7	13	14	13	24	21	9	14	20	24	43	233
	025	4	4	2	10	11	8	13	14	14	25	21	9	15	21	25	44	241
	026	4	4	2	10	11	8	14	14	14	26	21	9	15	21	25	44	243
	027	4	4	2	10	11	8	14	14	14	27	21	10	15	21	26	44	245
	028	4	4	2	10	11	8	14	14	14	27	22	11	15	21	26	44	247
	029	4	4	2	10	11	8	14	14	14	27	22	11	15	22	26	44	248

Screen Temperature v Dew Point Depression

Dew Point Depression

	°F	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	>14	Total
Aug.	518												1					1
	517											1	3					4
	516											2	6					8
	515											4	11					15
	514											4	12	4				20
	512				1							4	12	5	1	1		24
	511				2							4	12	5	2	1		26
	510			1	4		1			1		4	12	5	3	1		32
	509			1	9		2	1		1		4	12	5	3	1		39
	508			4	10	1	2	1		3		4	12	5	3	2		47
	507			4	11	2	2	2		3	1	4	12	5	4	2		52
	506			5	13	3	5	2		4	1	4	12	5	4	2		60
	505			5	13	4	5	2		5	1	6	12	7	5	2		67
	504			6	13	4	6	2		5	4	7	13	7	5	2		74
	503			7	13	8	8	3	2	7	4	8	13	7	5	2		87
	502			7	13	8	8	4	2	9	4	9	14	7	5	2		92
	501			8	13	9	8	6	2	9	4	10	15	7	5	2		98
	500			8	13	9	8	6	4	11	4	10	17	7	5	2		104
	001		1	8	14	9	8	9	4	11	4	10	17	8	5	2		110
	002		1	9	15	10	8	12	4	11	5	10	18	8	5	2		118
	003		2	10	15	11	11	12	4	11	5	10	18	10	5	2		126
	004		2	12	15	11	12	13	4	12	6	10	22	10	5	2		136
	005		2	15	15	13	13	14	4	12	7	10	24	13	5	2		149
	006		3	15	15	13	13	14	4	13	7	10	24	13	7	2		153
	007		3	15	15	13	13	14	4	14	7	10	24	13	7	2		154
	008		3	15	15	13	13	14	4	14	7	10	25	14	7	3		157
	009		4	15	15	13	13	14	4	14	7	10	25	15	7	3		159
	010	1	4	15	15	13	14	14	4	14	7	12	25	15	7	3		163
	011	1	4	15	15	13	14	14	4	14	7	13	26	15	8	3		166
	012	1	5	16	15	13	14	14	4	17	8	13	26	15	8	3		172
	013	1	5	16	16	13	14	14	4	18	8	13	27	16	10	4	1	180
	014	1	5	16	16	13	14	14	4	19	8	14	27	16	11	4	1	183
	015	1	5	16	18	13	14	15	5	19	9	15	27	16	11	4	1	189
	016	1	5	18	19	13	16	15	5	20	9	16	27	16	12	4	2	198
	017	2	6	18	19	13	17	15	5	22	9	16	27	17	13	4	2	205
	018	2	6	18	19	13	17	16	6	22	9	16	27	17	13	4	2	207
	019	6	7	18	21	13	17	16	6	24	11	16	28	18	13	4	2	220
	020	7	8	18	22	14	17	16	7	25	11	17	28	18	13	4	2	227
	021	9	8	18	22	16	19	16	7	25	11	18	28	18	13	4	2	234
	022	11	8	18	22	17	20	16	7	25	11	18	28	18	13	4	2	238
	023	12	9	20	22	18	22	16	7	25	11	18	28	18	13	4	2	245
	024	13	9	20	22	18	22	17	7	25	11	18	28	18	13	4	2	247
	025	13	9	20	22	18	22	17	8	25	11	18	28	18	13	4	2	248
Sep.	509									1								1
	508									2								2
	506									2		1						3
	505									2	1	1	1					5
	503									2	1	2	2	1				8
	502									3	1	2	2	2	2	2		14
	501									3	2	3	3	2	3	2		18
	500									3	2	4	5	4	4	3		25
	001									3	4	5	5	5	6	3	2	33
	002									3	4	7	9	6	6	4	2	41
	003									3	4	7	9	7	8	4	2	44
	004									4	5	7	10	8	9	5	3	51
	005									4	7	8	13	11	11	7	3	64
	006									4	7	10	15	15	16	8	4	79
	007						2			4	7	13	18	20	17	9	4	94
	008						2		1	4	7	14	20	23	21	9	4	105
	009						2		1	4	7	16	21	29	22	10	5	117
	010						2		1	5	8	17	26	31	23	11	5	129
	011						2		1	6	8	18	27	34	27	11	8	142
	012						2		1	6	9	18	27	37	29	17	13	159
	013						2		1	6	9	19	27	37	30	18	17	166
	014						2		1	6	9	20	27	39	31	19	20	174
	015				1		2		1	6	9	22	27	39	31	20	22	180
	016				1	1	2		1	6	9	22	29	39	33	20	26	189
	017				1	1	2		1	6	9	22	29	39	33	22	28	193
	018				3	1	2		1	6	9	22	29	39	35	23	28	198
	019				3	1	2		2	8	10	22	29	40	35	24	29	205
	020				3	1	2		2	8	11	22	29	41	35	25	31	210
	021				3	1	2		2	9	12	22	29	42	35	25	31	214
	022				4	2	2		2	9	13	22	30	44	36	25	31	220
	023				4	2	3	2	2	11	15	23	30	44	36	25	31	228
	024				4	2	3	2	2	11	15	23	30	44	36	25	32	229
	025				4	2	3	2	2	11	15	23	30	44	38	26	35	235
	026				4	2	3	2	2	11	15	23	31	44	39	26	37	239
	029				4	2	3	2	2	11	15	23	31	44	39	26	38	240

FREQUENCY ANALYSES
DAVIS 1961

Screen Temperature v Dew Point Depression

Dew Point Depression

	°F	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	>14	Total
Oct.	507							1					1					1
	506												2					3
	505				1			1					2					4
	504			1	1			1	1				3					7
	503		1	3	1	4		1	1	1			3					15
	502		1	4	2	4		1	1	1			4	1		1		20
	501		1	5	3	5		1	3	1	2	1	4	1		1		28
	500		2	5	4	6	1	2	3	3	2	1	4	2		1	3	39
	001	1	3	6	4	6	3	3	3	3	2	2	6	2		3	4	51
	002	1	3	6	5	6	3	4	4	4	2	2	7	2		3	6	58
	003	1	4	10	8	8	3	4	4	4	2	3	7	3	1	4	6	72
	004	1	4	11	8	8	3	4	5	4	2	3	7	4	1	4	8	77
	005	3	4	11	8	9	3	4	6	5	3	6	8	4	1	6	9	90
	006	3	4	11	9	9	3	4	6	5	3	6	9	5	1	7	11	96
	007	3	4	12	9	9	3	5	8	5	3	8	10	5	2	7	13	106
	008	3	4	12	10	9	5	6	8	5	3	9	10	5	2	8	18	117
	009	3	4	12	10	9	7	8	9	7	4	11	10	5	3	10	21	133
	010	3	4	12	12	9	8	9	9	7	5	12	10	5	4	10	24	143
	011	3	4	12	12	10	9	9	9	8	6	12	10	6	5	10	26	151
	012	3	5	12	13	10	9	11	9	8	6	13	10	6	5	11	28	159
	013	4	5	13	13	10	10	12	10	8	6	13	10	6	5	12	29	166
	014	5	5	13	13	10	10	12	11	8	7	13	10	6	5	12	29	169
	015	7	5	13	13	10	10	12	11	8	7	13	11	6	6	12	34	178
	016	8	5	13	13	10	10	12	12	8	8	13	12	6	5	12	38	186
	017	8	5	13	13	10	10	12	12	8	9	13	12	7	6	12	41	191
	018	8	5	13	13	10	10	12	12	8	9	13	12	7	7	12	45	196
	019	8	5	13	13	10	10	12	12	8	10	13	12	7	7	12	52	204
	020	8	5	13	13	10	11	12	13	8	10	14	12	7	7	12	57	212
	021	8	5	13	13	10	11	12	13	9	10	14	12	7	8	13	59	217
	022	8	5	13	13	10	11	12	13	9	10	14	12	7	9	15	67	227
	023	8	5	14	13	10	11	12	13	9	10	14	13	7	8	15	70	232
	024	8	5	14	14	10	11	12	13	9	10	14	13	7	8	15	72	235
	025	8	5	15	15	10	11	12	14	9	10	14	13	7	8	15	75	241
	027	8	5	15	15	10	11	12	14	9	11	15	13	7	8	15	75	243
	029	8	5	15	15	10	11	12	14	9	11	15	13	7	8	15	76	244
	030	8	6	15	15	10	11	12	14	9	11	15	13	7	8	15	76	245
	031	8	6	15	15	10	11	12	14	9	11	15	13	8	8	15	77	247
	032	8	6	15	15	10	11	12	14	9	11	15	13	8	8	15	78	248
Nov.	010				2													2
	012				2												2	4
	013				2		1		1						1		2	7
	014		2		4	1	1		1						2	1	2	14
	015		4		4	1	2		1						2	1	4	19
	017	1	7	1	4	2	2	1	2		1				3	2	5	31
	018	1	8	1	5	3	2	1	2		2	1		1	3	2	7	39
	019	1	10	2	7	4	2	2	2		3	1	3	5	3	2	9	56
	020	1	10	2	11	4	2	4	2		3	2	3	6	5	6	13	74
	021	1	10	2	12	5	3	5	2	1	5	2	3	8	5	6	17	87
	022	1	10	2	14	6	4	6	3	2	6	3	3	9	6	7	23	105
	023	1	10	2	15	8	5	6	4	6	6	3	6	11	6	8	28	125
	024	1	10	2	15	8	5	6	4	8	6	4	7	11	9	10	33	139
	025	2	11	2	15	8	5	6	5	9	6	4	11	11	10	14	44	163
	026	2	11	2	15	8	5	6	5	9	6	5	12	14	11	14	47	172
	027	2	11	2	15	8	5	6	5	9	7	6	13	15	11	17	50	182
	028	2	11	3	15	8	5	7	5	9	7	8	14	15	11	18	54	192
	029	2	11	3	15	8	5	7	5	9	7	11	17	17	13	18	59	207
	030	3	11	3	15	8	5	7	6	9	7	12	18	17	14	19	63	217
	031	3	11	3	15	8	5	8	7	9	7	12	18	17	14	19	65	221
	032	3	11	3	15	8	5	8	7	9	7	13	18	17	14	20	69	227
	033	3	11	3	15	8	5	8	7	9	7	13	18	18	14	20	72	231
	034	3	11	3	15	8	5	8	7	9	7	14	18	18	14	21	75	236
	035	3	11	3	15	8	5	8	7	9	7	14	18	18	14	21	77	238
	036	3	11	3	15	8	5	8	7	9	7	14	18	18	14	21	79	240
Dec.	024	1															1	2
	025	3	1			2	1					2		1			3	13
	026	3	1			4	1		3	1	3	2		1			8	27
	027	3	2	2	3	9	1	1	5	3	3	3	1	4	1	2	16	59
	028	4	4	4	6	12	5	4	7	3	5	5	4	4	1	3	18	89
	029	4	4	6	9	16	8	7	9	5	9	9	4	6	1	7	24	128
	030	4	4	7	10	18	10	8	11	10	11	14	9	8	5	10	33	172
	031	4	4	7	10	18	10	10	11	16	13	15	10	11	7	10	42	198
	032	4	4	7	10	18	10	10	13	17	15	15	12	11	9	11	51	217
	033	4	4	7	10	18	10	10	13	18	16	15	13	11	10	13	57	229
	034	4	4	7	10	18	10	10	13	18	17	15	13	14	11	13	62	239
	035	4	4	7	10	18	10	10	13	18	17	15	13	14	11	13	68	245
	036	4	4	7	10	18	10	10	13	18	17	15	13	14	11	14	68	246
	037	4	4	7	10	18	10	10	13	18	17	15	13	14	11	14	70	248

Direction and Speed of Surface Wind

	Direction x 10°	Calm	1-9	10-19	20-29	30-39	40-49	≥ 50	Total
Jan.	35 36 01		20	8	0	0	0	0	28
	02 03 04		18	43	6	0	0	0	67
	05 06 07		35	24	18	2	0	0	79
	08 09 10		11	14	7	1	0	0	33
	11 12 13		3	0	0	0	0	0	3
	14 15 16		1	0	0	0	0	0	1
	17 18 19		0	2	0	0	0	0	2
	20 21 22		0	4	0	0	0	0	4
	23 24 25		2	4	0	0	0	0	6
	26 27 28		4	2	0	0	0	0	6
	29 30 31		1	0	0	0	0	0	1
	32 33 34		4	0	0	0	0	0	4
		14	99	101	31	3	0	0	248
Feb.	35 36 01		11	4	0	0	0	0	15
	02 03 04		6	27	12	1	1	0	47
	05 06 07		8	43	28	20	6	1	106
	08 09 10		7	8	4	1	1	1	22
	11 12 13		10	3	0	0	0	0	13
	14 15 16		3	1	0	0	0	0	4
	17 18 19		3	0	0	0	0	0	3
	20 21 22		1	1	0	0	0	0	2
	23 24 25		0	0	0	0	0	0	0
	26 27 28		1	0	0	0	0	0	1
	29 30 31		2	0	0	0	0	0	2
	32 33 34		0	0	0	0	0	0	0
		9	52	87	44	22	8	2	224
Mar.	35 36 01		1	0	0	0	0	0	1
	02 03 04		9	27	13	3	1	0	53
	05 06 07		19	19	14	14	5	3	74
	08 09 10		31	8	1	0	0	0	40
	11 12 13		24	16	0	0	0	0	40
	14 15 16		15	2	0	0	0	0	17
	17 18 19		3	0	0	0	0	0	3
	20 21 22		1	1	0	0	0	0	2
	23 24 25		1	0	0	0	0	0	1
	26 27 28		0	0	0	0	0	0	0
	29 30 31		0	0	0	0	0	0	0
	32 33 34		2	0	0	0	0	0	2
		15	106	73	28	17	6	3	248
Apr.	35 36 01		0	0	0	0	0	0	0
	02 03 04		4	15	2	0	0	0	21
	05 06 07		20	12	5	2	0	0	39
	08 09 10		12	13	8	3	0	0	36
	11 12 13		28	12	2	0	0	0	42
	14 15 16		21	1	0	0	0	0	22
	17 18 19		12	0	0	0	0	0	12
	20 21 22		6	3	2	0	0	0	11
	23 24 25		3	1	0	0	0	0	4
	26 27 28		6	2	0	0	0	0	8
	29 30 31		2	0	0	0	0	0	2
	32 33 34		0	0	0	0	0	0	0
		43	114	59	19	5	0	0	240

Direction and Speed of Surface Wind

	Direction x 10°	Calm	1-9	10-19	20-29	30-39	40-49	≥ 50	Total
May.	35 36 01		0	0	0	0	0	0	0
	02 03 04		0	0	0	0	0	0	0
	05 06 07		0	0	0	0	0	0	0
	08 09 10		0	0	0	0	0	0	0
	11 12 13		0	0	0	0	0	0	0
	14 15 16		0	1	0	0	0	0	1
	17 18 19		7	7	4	8	0	0	26
	20 21 22		19	14	11	11	3	0	58
	23 24 25		23	25	5	2	0	0	55
	26 27 28		47	21	2	0	0	0	70
	29 30 31		8	0	0	0	0	0	8
	32 33 34		6	0	0	0	0	0	6
									24
		24	110	68	22	21	3	0	248
Jun.	35 36 01		0	0	0	0	0	0	0
	02 03 04		3	13	7	5	2	0	30
	05 06 07		16	13	7	6	1	2	45
	08 09 10		23	8	1	1	0	0	33
	11 12 13		54	6	2	0	0	0	62
	14 15 16		26	4	2	0	0	0	32
	17 18 19		4	1	0	0	0	0	5
	20 21 22		5	2	0	0	0	0	7
	23 24 25		0	1	0	0	0	0	1
	26 27 28		0	0	0	0	0	0	0
	29 30 31		0	0	0	0	0	0	0
	32 33 34		0	0	0	0	0	0	0
									25
		25	131	48	19	12	3	2	240
Jul.	35 36 01		2	2	0	0	0	0	4
	02 03 04		11	17	4	0	1	0	33
	05 06 07		19	22	12	9	6	0	68
	08 09 10		27	26	9	2	2	0	66
	11 12 13		31	8	1	0	0	0	40
	14 15 16		7	1	0	0	0	0	8
	17 18 19		7	3	0	0	0	0	10
	20 21 22		0	3	1	0	0	0	4
	23 24 25		0	0	0	0	0	0	0
	26 27 28		0	0	0	0	0	0	0
	29 30 31		0	0	0	0	0	0	0
	32 33 34		0	1	0	0	0	0	1
									14
		14	104	83	27	11	9	0	248
Aug.	35 36 01		0	0	0	0	0	0	0
	02 03 04		4	12	8	6	2	0	32
	05 06 07		11	9	8	16	2	2	48
	08 09 10		30	10	2	5	0	0	47
	11 12 13		43	6	0	0	0	0	49
	14 15 16		16	1	0	0	0	0	17
	17 18 19		2	0	0	0	0	0	2
	20 21 22		11	0	0	0	0	0	11
	23 24 25		5	6	0	0	0	0	11
	26 27 28		4	2	0	0	0	0	6
	29 30 31		0	0	0	0	0	0	0
	32 33 34		1	0	0	0	0	0	1
									24
		24	127	46	18	27	4	2	248

Direction and Speed of Surface Wind

	Direction x 10°	Calm	1-9	10-19	20-29	30-39	40-49	≥50	Total
Sep.	35 36 01		2		0	0	0	0	2
	02 03 04		8	11	2	0	0	0	21
	05 06 07		12	13	7	0	0	0	32
	08 09 10		33	11	2	5	1	0	52
	11 12 13		26	11	4	1	0	0	42
	14 15 16		31	4	0	0	0	0	35
	17 18 19		6	0	0	0	0	0	6
	20 21 22		5	0	0	0	0	0	5
	23 24 25		2	0	0	0	0	0	2
	26 27 28		2	0	0	0	0	0	2
	29 30 31		1	0	0	0	0	0	1
	32 33 34		1	0	0	0	0	0	1
									39
		39	129	50	15	6	1	0	240
Oct.	35 36 01		7	2	0	0	0	0	9
	02 03 04		15	20	5	2	0	0	42
	05 06 07		21	9	20	5	0	0	55
	08 09 10		11	0	0	0	0	0	11
	11 12 13		10	1	0	0	0	0	11
	14 15 16		14	0	0	0	0	0	14
	17 18 19		5	0	0	0	0	0	5
	20 21 22		4	3	0	0	0	0	7
	23 24 25		7	6	0	0	0	0	13
	26 27 28		15	7	0	0	0	0	22
	29 30 31		11	3	0	0	0	0	14
	32 33 34		3	0	0	0	0	0	3
									42
		42	123	51	25	7	0	0	248
Nov.	35 36 01		14	7	1	0	0	0	22
	02 03 04		14	41	15	2	0	0	72
	05 06 07		17	18	10	12	3	0	60
	08 09 10		7	4	0	0	0	0	11
	11 12 13		1	5	0	0	0	0	6
	14 15 16		1	0	1	0	0	0	2
	17 18 19		1	0	0	0	0	0	1
	20 21 22		3	2	0	0	0	0	5
	23 24 25		3	0	0	0	0	0	3
	26 27 28		20	3	0	0	0	0	23
	29 30 31		2	0	0	0	0	0	2
	32 33 34		4	0	0	0	0	0	4
									29
		29	87	80	27	14	3	0	240
Dec.	35 36 01		33	16	1	0	0	0	50
	02 03 04		23	61	23	11	0	0	118
	05 06 07		6	12	4	1	0	0	23
	08 09 10		5	0	0	0	0	0	5
	11 12 13		0	0	0	0	0	0	0
	14 15 16		3	0	0	0	0	0	3
	17 18 19		4	0	0	0	0	0	4
	20 21 22		8	0	0	0	0	0	8
	23 24 25		5	2	0	0	0	0	7
	26 27 28		3	1	0	0	0	0	4
	29 30 31		2	0	0	0	0	0	2
	32 33 34		1	0	0	0	0	0	1
									23
		23	93	92	28	12	0	0	248

Results of Radiosonde Observations.

Temperature at 850 mb

Upper Limit Range -°C	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
533							1						1
530							1						1
527							4	3					7
524					1	4	5	7	4	4			25
521				3	5	11	7	13	10	8			57
518			1	10	12	19	12	19	15	16			104
515		1	10	16	21	23	18	24	23	26	7		169
512	4	4	22	25	28	27	29	28	27	29	22	7	252
509	10	18	30	29	30	27	31	31	30	31	30	29	326
506	10	27	31	30	31	30	31	31	30	31	30	30	342
503	10	28	31	30	31	30	31	31	30	31	30	30	343

Temperature at 700 mb

536							1						1
533							1		1				2
530					1	1	4	1	1				8
527				1	4	1	7	9	3	1			26
524			7	6	13	9	16	17	10	7			85
521	4		17	16	22	24	26	28	19	19	9	8	192
518	8	5	22	28	28	28	31	29	24	27	21	25	276
515	10	24	30	30	30	28	31	31	29	31	30	30	334
512	10	27	30	30	31	28	31	31	29	31	30	30	338
509	10	28	31	30	31	30	31	31	29	31	30	30	342

Temperature at 500 mb

548							1						1
545							4	1					5
542				3		2	10	13	2	1			31
539	1		6	3	9	8	20	19	10	4	1	1	82
536	4	2	13	11	11	18	26	27	16	16	8	13	165
533	8	8	22	21	26	25	30	29	24	23	17	27	260
530	10	24	28	26	30	28	31	31	29	30	27	29	323
527	10	27	28	29	31	29	31	31	30	31	30	30	337
524	10	28	30	30	31	30	31	31	30	31	30	30	342
521	10	28	31	30	31	30	31	31	30	31	30	30	343

Temperature at 300 mb

569							1						1
566							3	1		1			5
563						1	17	10	5	1			34
560			1	4	8	16	26	24	22	10	5		116
557	1	2	6	13	20	25	31	29	26	23	16	9	201
554	4	13	19	20	27	29	31	29	29	28	27	26	282
551	6	22	25	28	31	30	31	29	30	30	29	30	321
548	7	25	29	29	31	30	31	29	30	30	30	30	331
545	10	25	30	30	31	30	31	29	30	30	30	30	336
542	10	26	30	30	31	30	31	29	30	30	30	30	337

Results of Radiosonde Observations.

Temperature at 200 mb

Upper Limit Range °C	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
578							2	2	2				6
575							3	6	4	2			15
572						2	10	10	17	5			44
569						5	19	24	24	17	1		90
566					1	11	28	27	26	23	2		118
563					5	15	30	28	28	28	9		143
560			1		10	24	30	28	28	29	16		166
557			1	3	17	27	30	28	28	29	22	1	186
554			1	6	26	30	30	28	28	29	26	5	209
551		1	3	12	29	30	30	28	28	29	26	18	234
548		5	9	23	29	30	30	28	28	29	27	29	267
545	1	20	28	29	30	30	30	28	28	29	29	30	312
542	7	25	30	29	30	30	30	28	28	29	30	30	325
539	10	26	30	29	30	30	30	28	28	29	29	30	329

Temperature at 150 mb

578							1						
575							3	10	2	1			4
572						1	14	20	11	2			26
569						5	28	26	19	4			58
566						11	29	27	23	17			99
563					5	17	29	27	26	19			112
560					9	28	29	27	28	23	8		137
557				4	18	30	29	27	28	26	12		159
554				6	27	30	29	27	28	27	16		179
551				11	29	30	29	27	28	27	23		197
548			11	25	29	30	29	27	28	27	24	4	209
545		9	23	29	29	30	29	27	28	27	24	17	247
542	4	23	30	29	29	30	29	27	28	27	26	28	285
539	10	23	30	29	29	30	29	27	28	27	26	30	312
													318

Temperature at 100 mb

581								1	1				2
578							3	8	7	1			19
575						2	9	9	14	3			37
572						4	11	13	18	10			56
569					3	8	11	14	24	14			74
566					4	17	11	14	25	18			89
563				1	8	21	11	14	25	19			99
560				4	18	23	11	14	25	23	7		125
557				4	25	23	11	14	25	24	11		137
554				11	26	23	11	14	25	25	14		149
551			1	20	26	23	11	14	25	25	18		163
548			13	25	26	23	11	14	25	25	21		183
545		7	21	25	26	23	11	14	25	25	23	5	205
542	2	21	30	25	26	23	11	14	25	25	24	20	246
539	8	22	30	25	26	23	11	14	25	25	24	28	261
536	9	22	30	25	26	23	11	14	25	25	24	28	262

Results of Radiosonde Observations.

Temperature at Tropopause

Upper Limit Range °C	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
581								1		1			2
578							2	3	4	1			10
575							2	6	5	4			17
572						3	7	11	8	6			35
569						7	15	19	15	13			69
566					3	12	20	23	22	19	4		103
563		1	1	3	7	15	25	24	26	24	11		137
560		3	4	10	16	24	29	24	28	27	20	5	190
557	1	10	12	17	24	28	30	27	29	28	24	14	244
554	5	15	24	25	27	29	31	28	29	29	26	23	291
551	6	19	28	28	29	30	31	28	29	29	27	26	310
548	9	25	30	29	29	30	31	28	29	29	28	27	324
545	10	25	30	29	29	30	31	28	29	29	29	28	327
542	10	26	30	29	29	30	31	28	29	29	29	29	329
539	10	26	30	29	29	30	31	28	29	29	29	30	330

Results of Radiosonde Observations.

Geopotential at 850 mb

Upper Limit Range gpDm	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
085							1						1
090							1						1
095							1						1
100			1		2	1	3	4			1	1	13
105	1		2	2	6	2	8	10	1	1	1	1	35
110	1	1	6	5	13	7	17	17	2	10	5	6	90
115	2	1	16	11	18	16	24	25	11	24	11	16	175
120	8	8	26	25	25	22	28	28	23	31	23	28	275
125	9	25	31	28	29	25	31	29	27	31	30	30	325
130	10	27	31	30	31	27	31	30	30	31	30	30	338
135	10	27	31	30	31	28	31	31	30	31	30	30	340
140	10	28	31	30	31	30	31	31	30	31	30	30	343

Geopotential at 700 mb

230							1						1
235							1						1
240						1	4	2					7
245					3	1	6	7		1	1		19
250			2	2	7	4	10	12	3	2	1	1	44
255	1	1	6	6	12	10	20	19	6	13	4	3	101
260	2	1	14	9	18	17	24	26	17	25	9	14	176
265	6	3	25	27	24	23	28	28	22	30	20	24	260
270	9	12	29	30	30	25	31	29	26	31	30	30	312
275	10	27	31	30	31	27	31	30	30	31	30	30	338
280	10	27	31	30	31	28	31	31	30	31	30	30	340
285	10	28	31	30	31	28	31	31	30	31	30	30	341
290	10	28	31	30	31	30	31	31	30	31	30	30	343

Geopotential at 500 mb

465							2						2
470							2						2
475						1	4	1					6
480						1	7	4		1			13
485					2	2	9	10	3	1			27
490			1		7	6	13	15	3	3	1	1	50
495			6	6	12	10	20	23	9	10	2	2	100
500	1		14	10	17	16	26	25	14	21	6	11	161
505	5	1	21	19	24	22	29	28	21	27	14	20	231
510	7	2	27	26	27	25	31	28	23	29	23	27	275
515	10	11	30	29	30	26	31	30	27	31	29	30	314
520	10	25	30	30	31	27	31	31	30	31	30	30	336
525	10	28	30	30	31	28	31	31	30	31	30	30	340
530	10	28	31	30	31	28	31	31	30	31	30	30	341
535	10	28	31	30	31	28	31	31	30	31	30	30	341
540	10	28	31	30	31	30	31	31	30	31	30	30	343

Results of Radiosonde Observations.

Geopotential at 300 mb

Upper Limit Range gpDm	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
790							1						1
800							4						4
810						1	8	3		1			13
820						3	13	15	2	1			34
830			2	4	11	12	21	22	12	9	1		94
840	1		15	9	18	18	30	27	17	21	7	14	177
850	5	2	22	21	27	25	31	27	25	26	20	27	258
860	10	14	28	29	30	26	31	29	30	30	28	30	315
870	10	24	29	29	31	28	31	29	30	30	30	30	331
880	10	26	29	30	31	28	31	29	30	30	30	30	334
890	10	26	30	30	31	30	31	29	30	30	30	30	337

Geopotential at 200 mb

1040							2						2
1050							4	1					5
1060							10	8	2				20
1070						5	19	18	8	3			53
1080				4	5	13	27	25	14	11	1		100
1090				4	14	20	31	27	20	21	7		144
1100			10	9	24	25	31	28	25	27	14	11	204
1110	1		19	21	29	26	31	28	29	29	27	26	266
1120	9	4	28	27	30	28	31	28	29	29	29	30	302
1130	10	22	29	28	30	28	31	28	29	29	29	30	323
1140	10	26	29	29	30	30	31	28	29	29	29	30	330
1150	10	26	30	29	30	30	31	28	29	29	29	30	331

Geopotential at 150 mb

1210					1								1
1220					1		3	2					6
1230					1		11	10	2				24
1240					1		18	21	11	3			54
1250					2	9	24	24	15	10			84
1260				4	5	16	29	27	19	20	1		121
1270				4	13	21	29	27	23	24	10		151
1280				4	21	25	29	27	28	27	15	2	178
1290			8	9	28	26	29	27	28	27	22	16	220
1300	1		16	22	29	27	29	27	28	27	26	26	258
1310	4	3	29	27	29	30	29	27	28	27	26	30	289
1320	10	14	29	29	29	30	29	27	28	27	26	30	308
1330	10	23	30	29	29	30	29	27	28	27	26	30	318

Results of Radiosonde Observations

Geopotential at 100 mb

Upper Limit Range gpDm	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
1460							1	1	1				3
1470							5	5	5				15
1480							5	11	11	1			28
1490						3	8	13	14	10			48
1500					2	10	11	14	17	16			70
1510				1	4	12	11	14	20	19	1		82
1520				4	8	15	11	14	23	23	8		106
1530				4	18	18	11	14	25	24	13		127
1540				5	23	19	11	14	25	25	17		139
1550				9	26	22	11	14	25	25	19	3	154
1560			10	17	26	23	11	14	25	25	21	13	185
1570			21	20	26	23	11	14	25	25	24	26	215
1580		2	28	25	26	23	11	14	25	25	24	28	231
1590	5	11	30	25	26	23	11	14	25	25	24	28	247
1600	9	21	30	25	26	23	11	14	25	25	24	28	261
1610	9	22	30	25	26	23	11	14	25	25	24	28	262

Geopotential at Tropopause

550		1											1
600		1											1
650		1					1	1				1	4
700		1				1	1	2				2	7
750	2	2	3	1	1	3	3	3	1	1	1	3	24
800	4	6	7	4	2	5	6	4	1	1	2	8	50
850	5	9	16	14	11	12	11	6	3	2	8	20	117
900	10	18	25	21	15	12	15	6	7	8	14	27	178
950	10	22	27	27	22	17	21	10	12	10	18	29	225
1000	10	25	28	27	26	24	24	16	23	14	25	30	272
1050	10	26	29	28	27	25	27	17	25	22	26	30	292
1100	10	26	29	29	29	28	31	25	28	25	29	30	319
1150	10	26	30	29	29	30	31	27	29	27	29	30	327
1200	10	26	30	29	29	30	31	28	29	28	29	30	329
1250	10	26	30	29	29	30	31	28	29	29	29	30	330

Pressure at Tropopause

Upper Limit Range - mb													
200			1			2	4	8	4	6			25
250		2	4	2	6	12	14	22	17	19	7		105
300	5	18	18	21	27	23	27	24	28	28	23	17	259
350	9	25	30	29	28	28	30	26	29	29	27	27	317
400	10	26	30	29	29	30	31	28	29	29	29	29	329
450	10	26	30	29	29	30	31	28	29	29	29	29	329
500	10	26	30	29	29	30	31	28	29	29	29	30	330

FREQUENCY ANALYSES
MACQUARIE ISLAND 1961

Station Level Pressure

Upper Limit Range - mb	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
965			5	2		8							15
970		2	6	3		5			9				35
975		4	10	4	5	27		5	16	2	13	1	87
980	4	6	18	6	11	36	4	7	24	8	28	13	165
985	19	18	52	15	30	52	25	14	34	43	57	26	385
990	31	31	82	29	66	68	44	17	50	82	83	52	635
995	47	58	99	44	95	93	81	25	68	118	92	75	895
1000	84	107	135	72	129	114	109	50	100	145	109	111	1265
1005	128	161	174	110	162	167	124	73	129	186	142	154	1710
1010	176	200	199	162	183	200	143	127	166	232	170	203	2161
1015	234	205	226	200	215	218	158	166	177	243	203	226	2471
1020	248	215	242	225	241	234	204	212	201	248	220	233	2723
1025	248	218	245	238	248	240	239	241	229	248	238	244	2876
1030	248	224	248	240	248	240	248	248	240	248	240	248	2920

Maximum Temperature

Upper Limit Range - °F													
32							2		2				4
33						1	3		2				6
34						2	4		2				8
35						3	5		2				10
36						6	5		2				13
37						9	6	2	4				21
38				2		10	10	2	4	1	1		30
39				2		13	15	4	7	2	2		45
40				2	3	14	21	6	9	2	2		59
41		1		6	5	19	26	7	11	3	2		80
42		6		8	10	20	30	15	13	6	5		113
43		8	5	12	19	24	31	25	20	14	8	1	167
44	1	12	10	15	25	26	31	28	26	23	11	1	209
45	11	15	16	24	31	28	31	31	30	28	19	7	271
46	16	19	23	26	31	30	31	31	30	31	26	13	307
47	21	24	30	29	31	30	31	31	30	31	29	21	338
48	25	27	31	30	31	30	31	31	30	31	30	30	357
49	31	28	31	30	31	30	31	31	30	31	30	31	365

Minimum Temperature

21							1						1
23							2		1				3
24							2		2				4
25							2		3				5
26						2	3		3				8
27						4	5		4				13
28					1	5	6	2	6	1			21
29					1	6	6	2	8	3	1		27
30				1	2	7	7	3	9	5	2		36
31		1		2	4	11	9	5	10	6	2		50
32		1	1	2	5	11	16	6	12	6	4		64
33		2	2	3	7	13	20	8	13	9	5		82
34		4	2	7	12	17	23	12	17	11	7	2	114
35		7	6	8	19	18	26	15	19	12	11	2	143
36	1	9	14	9	21	22	29	17	21	16	14	3	176
37	7	10	18	16	22	24	29	19	24	22	16	8	215
38	11	13	22	19	25	26	30	22	24	25	21	9	247
39	17	20	25	21	30	29	31	25	30	28	22	14	292
40	19	22	26	21	31	29	31	28	30	30	23	17	307
41	19	23	27	24	31	29	31	30	30	31	26	24	325
42	25	26	29	27	31	30	31	30	30	31	29	28	347
43	31	27	30	30	31	30	31	31	30	31	30	30	362
44	31	28	31	30	31	30	31	31	30	31	30	31	365

C.S.O. 2983

Terrestrial Minimum Temperature

Upper Limit Range - °F	Jan.	Feb.	Mar	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
19						1	2						3
21						2	3		1				6
22						2	3		3				8
23						4	3		4				11
24				1		5	5		4				15
26				1	1	6	6		5				19
27			2	1	2	9	7	1	6	3	1		32
28		1	5	3	3	11	10	3	7	3	2		48
29		5	7	4	6	11	13	5	9	5	2		67
30		6	12	4	7	11	16	5	9	7	3		80
31		8	15	9	16	14	21	8	11	8	5		115
32		10	18	13	17	17	22	13	17	9	9	1	146
33		13	23	15	19	18	26	14	18	11	10	1	168
34	1	17	26	17	21	21	29	15	21	14	12	3	197
35	6	19	27	20	24	23	29	19	21	19	14	5	226
36	12	20	27	22	26	24	29	20	24	24	16	7	251
37	16	20	29	24	30	26	30	21	25	25	20	10	276
38	17	22	30	26	31	26	31	24	27	28	21	15	298
39	18	26	31	26	31	29	31	26	29	30	23	15	315
40	20	26	31	29	31	29	31	28	30	31	25	22	333
41	26	26	31	30	31	29	31	30	30	31	27	24	346
42	30	26	31	30	31	30	31	31	30	31	29	29	359
43	31	28	31	30	31	30	31	31	30	31	30	31	365

Speed of Maximum Wind Gust

Upper Limit Range - Knots													
10		3											3
20		5			1	1	6		2	1		1	17
30	7	12	5	8	10	8	15	5	6	7	11	10	104
40	19	20	14	22	17	18	27	25	15	18	24	20	239
50	25	24	25	29	27	29	31	31	27	26	28	27	329
60	30	27	26	30	28	29	31	31	28	30	30	30	350
70	30	27	31	30	30	29	31	31	30	30	30	31	360
80	31	28	31	30	31	30	31	31	30	31	30	31	365

Daily Amount of Precipitation

Range - Points													
000	6	7	3	5	4	5	6	5	7	5	3	4	60
005	16	13	13	21	15	16	23	20	21	15	17	14	204
010	23	19	19	23	19	20	27	27	24	23	24	18	266
020	25	26	25	25	26	25	30	29	28	29	29	26	323
030	27	27	27	25	28	27	30	30	29	30	30	28	338
040	30	27	29	25	31	28	31	30	29	31	30	29	350
050	31	27	30	30	31	30	31	31	30	31	30	30	362
060	31	28	30	30	31	30	31	31	30	31	30	30	363
070	31	28	30	30	31	30	31	31	30	31	30	30	363
080	31	28	30	30	31	30	31	31	30	31	30	30	363
090	31	28	30	30	31	30	31	31	30	31	30	30	363
100	31	28	31	30	31	30	31	31	30	31	30	31	365

FREQUENCY ANALYSES
MACQUARIE ISLAND 1961

Screen Temperature v Dew Point Depression

Dew Point Depression

	°F	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	> 14	Total
Jan.	37	1																1
	39	2	2	1	1	1			2									9
	40	3	7	4	5	2	4	1	2	1								29
	41	5	11	7	9	4	9	2	4	2								53
	42	6	14	15	10	7	14	2	4	3								75
	43	17	24	20	14	11	19	2	6	5				1				119
	44	30	28	28	19	13	23	4	9	5				1				160
	45	61	42	30	19	17	26	4	9	5				1				214
	46	71	45	34	19	17	27	4	9	5				1				232
	47	73	48	38	19	19	27	4	10	5				1				244
	48	73	49	39	19	19	27	4	12	5				1				248
Feb.	32	1																1
	35	3																3
	36	3			1		1											5
	37	3			3		4											10
	38	3			5	3	10			1	1						2	25
	39	3	1	2	9	3	12	1	1	7	1	1	1				5	47
	40	3	5	4	12	6	21	1	3	13	2	4	4				7	85
	41	3	7	8	17	6	29	1	3	19	3	5	4	1			7	113
	42	6	8	9	19	8	35	2	5	20	3	6	5	1		1	8	136
	43	9	14	17	21	9	39	3	5	21	4	6	5	1		1	9	164
	44	16	16	23	21	9	39	3	5	21	4	6	5	1		1	10	180
	45	31	20	26	22	9	39	3	6	21	4	6	5	1		1	10	204
	46	41	20	28	22	10	40	3	7	21	4	6	5	1		1	10	219
	47	43	20	28	22	11	42	3	7	21	4	6	5	1		1	10	224
Mar.	34		1															1
	35		1					1										2
	36		1					2										3
	37	1	1		2	1	1	2		1								9
	38	6	2	1	3	2	2	2		1								19
	39	12	4	4	5	4	2	5		3								39
	40	12	8	14	8	7	5	5		6	1		1				1	68
	41	13	14	21	11	9	8	7	1	12	1	1	1				1	100
	42	17	19	27	14	12	12	9	2	15	2	2	1	1		2	1	136
	43	24	22	33	17	14	15	9	4	15	2	3	1	2	1	2	1	165
	44	34	24	37	20	15	16	9	4	15	2	3	1	2	1	2	1	186
	45	51	28	45	21	16	20	12	4	15	2	3	1	2	1	2	1	224
	46	61	33	45	23	19	23	12	4	15	2	3	1	2	1	2	1	247
	47	62	33	45	23	19	23	12	4	15	2	3	1	2	1	2	1	248
Apr.	31				1													1
	32	2			1													3
	33	3			1													4
	34	3		1	1													5
	35	3		1	2	1	1			1			1					10
	36	4		1	5	1	2			3	2		1					19
	37	4		1	10	3	7		2	5	2	1	1					36
	38	4	1	1	12	3	8		4	7	2	1	1					44
	39	7	5	5	16	3	13	2	8	9	3	1	1	1	1			75
	40	9	6	10	17	3	19	2	8	11	3	2	2	1	1			94
	41	10	11	14	19	5	23	2	9	12	3	2	2	1	1			114
	42	18	12	18	20	6	23	2	10	12	3	2	2	1	1			130
	43	37	18	21	20	7	24	2	11	12	3	2	2	1	1			161
	44	57	27	32	20	7	25	2	11	12	3	2	2	1	1			202
	45	71	34	37	22	7	25	2	11	12	3	2	2	1	1			230
	46	77	34	39	22	7	25	2	11	12	3	2	2	1	1			238
	47	79	34	39	22	7	25	2	11	12	3	2	2	1	1			240

Screen Temperature v Dew Point Depression

Dew Point Depression

	°F	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	>14	Total
May.	30		1															1
	31		1		1			1										3
	32	1	2		1			1			1							6
	33	2	2		2		1	1			1		1					10
	34	3	2		2		1	1	1		1		1					12
	35	3	3		6	1	1	1	3		2		1	1				22
	36	4	5		11	1	1	1	3	1	4		1	2				34
	37	6	5	2	17	2	4	1	3	2	4	1	1	3				51
	38	9	7	4	22	5	8	2	5	5	4	1	1	3	1			77
	39	11	11	8	27	8	13	3	7	8	4	2	1	3	1			107
	40	21	13	15	29	9	22	4	9	11	5	3	2	3	1			147
	41	34	20	16	29	11	24	4	10	12	7	3	2	3	1			176
	42	45	24	26	29	11	24	4	10	13	7	3	2	3	1			202
	43	58	36	28	30	12	27	4	10	13	7	3	2	3	1			234
	44	61	39	30	31	12	29	4	10	13	7	3	2	3	1			245
	45	61	40	32	31	12	29	4	10	13	7	3	2	3	1			248
Jun.	29						1						3			1		5
	30				1	1	1				1		4		1	1		10
	31				1	1	4	2		2	5		6		2	1		24
	32	1			2	3	4	3	1	3	5		6		2	1		31
	33	1		1	2	3	6	5	7	9	9	1	6	1	2	1		54
	34	1		1	2	4	7	7	10	13	15	1	7	3	2	1		74
	35	1	4	1	5	5	9	9	11	16	19	3	7	4	2	2		98
	36	1	4	1	5	7	10	12	12	17	21	3	7	4	2	2		108
	37	3	6	3	10	8	13	12	12	18	21	3	7	4	2	2		124
	38	3	7	4	13	12	17	14	13	18	22	3	7	4	2	2		141
	39	6	12	5	15	14	17	14	13	19	22	3	8	4	2	2		156
	40	21	15	11	17	15	21	14	13	19	22	3	8	4	2	2		187
	41	28	19	15	18	17	22	14	13	19	22	3	8	4	2	2		206
	42	31	21	17	19	17	23	14	13	19	22	3	8	4	2	2		215
	43	37	27	17	19	17	23	14	13	19	22	3	8	4	2	2		227
	44	47	28	17	19	17	23	14	13	19	22	3	8	4	2	2		238
	45	48	29	17	19	17	23	14	13	19	22	3	8	4	2	2		240
Jul.	25				1							1						2
	26				1				1			2						4
	27				1	1	1		1	1	1	2		1				9
	28				1	1	2	1	1	1	1	2	1	1				12
	29				1	1	2	3	1	4	1	6	1	1		1		22
	30	1			4	1	3	7	2	4	1	6	1	1		1		32
	31	1		1	4	1	3	7	3	5	4	7	1	2		1		40
	32	1		1	6	1	3	8	3	6	4	7	1	2		1		44
	33	4		1	10	3	3	10	3	8	4	8	1	2		1		58
	34	6	2	2	13	3	4	16	5	9	5	8	1	2		1		77
	35	10	3	3	18	4	6	16	8	11	7	8	2	4		1		101
	36	16	4	5	25	5	8	21	9	12	10	8	2	5		2	1	133
	37	23	7	6	30	7	13	22	9	14	10	8	2	6		2	1	160
	38	37	11	7	34	9	17	22	9	15	10	8	2	6		2	1	190
	39	47	14	11	36	10	17	22	9	15	10	8	2	6		2	1	210
	40	56	18	18	39	10	17	22	9	15	10	8	2	6		2	1	233
	41	61	19	20	42	11	18	22	10	15	10	8	2	6		2	1	247
	42	61	19	20	42	12	18	22	10	15	10	8	2	6		2	1	248
Aug.	29											1		1	1			3
	30							1				1		1	1			4
	31		1		1			2		1		1		1	1			8
	32		1		2	1		2	2	1		1		1	1			12
	33		2		2	1	1	2	3	1	1	2		1	1		1	18
	34		3		4	1	1	2	5	1	2	2		1	1		1	24
	35	2	4		6	3	3	3	6	3	6	2		1	1		1	41
	36	3	5		11	6	7	6	6	3	6	2		1	1		1	58
	37	6	6	2	13	7	10	6	7	3	7	3		2	1		1	74
	38	6	8	2	17	9	14	8	7	6	7	3		2	1		1	91
	39	10	11	6	17	10	18	9	10	7	8	3	2	2	2		2	117
	40	16	15	11	17	11	18	9	11	8	8	3	2	2	2		2	135
	41	48	21	16	18	11	18	9	11	8	8	3	2	2	2		2	179
	42	75	26	18	18	11	18	9	11	8	8	3	2	2	2		2	213
	43	89	32	20	19	11	18	9	11	8	8	3	2	2	2		2	236
	44	100	32	20	19	11	18	9	11	8	8	3	2	2	2		2	247
	45	101	32	20	19	11	18	9	11	8	8	3	2	2	2		2	248

C.B.O. 3982

FREQUENCY ANALYSES
MACQUARIE ISLAND 1961

Screen Temperature v Dew Point Depression

Dew Point Depression

	°F	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	> 14	Total
Sep.	26				3													3
	27				3			1			1							5
	28				3			1			2		3			1		10
	29				3			2	3	1	2		3		1	3		18
	30				5		1	4	3	2	2	1	3		2	3		26
	31				6		1	4	3	2	2	1	6		2	3		30
	32				6		1	4	3	2	2	2	8		2	4	1	35
	33				6		2	4	4	2	2	2	9	1	2	4	1	39
	34				7		2	5	4	3	3	2	11	3	2	4	1	47
	35	3		4	9	1	5	6	4	4	4	3	13	3	2	4	1	66
	36	3	1	8	11	1	5	8	4	4	4	3	13	3	2	5	1	76
	37	4	2	10	15	4	11	9	4	6	4	4	15	4	2	6	1	101
	38	4	2	12	17	6	17	9	5	7	4	4	15	4	3	6	1	116
	39	5	2	13	19	7	25	11	6	7	4	4	15	4	3	6	1	132
	40	8	4	14	20	7	28	11	7	8	4	4	15	4	3	6	1	144
	41	15	7	21	21	10	31	11	8	8	4	4	15	4	3	6	1	169
	42	35	12	31	23	10	34	11	10	8	4	4	15	4	3	6	1	211
	43	49	14	34	25	10	34	11	10	8	4	4	15	4	3	6	1	232
	44	53	15	34	26	11	34	11	10	8	4	4	15	4	3	6	1	239
	45	54	15	34	26	11	34	11	10	8	4	4	15	4	3	6	1	240
Oct.	31			1														1
	32			1		1	1								1			4
	33	1	1	1	1	2	3					1		1	1			12
	34	1	1	2	2	2	3					2		1	1		2	17
	35	1	3	3	2	3	3	1	1		2	2	1	1	1		2	26
	36	1	4	3	3	3	3	1	1		2	2	1	2	2		2	30
	37	2	6	3	3	3	4	1	1	2	3	3	1	3	4		3	42
	38	2	6	3	5	4	5	2	1	4	3	3	2	4	5		3	52
	39	5	8	6	7	5	7	3	2	7	7	5	8	7	5	1	3	86
	40	5	8	15	12	5	12	3	5	8	8	7	9	8	5	1	4	115
	41	10	15	18	15	6	17	3	6	14	11	7	10	9	5	1	5	152
	42	28	19	27	18	8	30	5	6	14	11	8	10	9	6	1	6	206
	43	35	23	33	20	12	32	7	6	14	12	8	10	9	7	1	6	235
	44	35	24	36	21	12	33	7	7	14	12	8	10	9	7	1	6	242
	45	36	24	36	23	12	35	8	7	14	12	8	10	9	7	1	6	248
Nov.	31					1												1
	32				1	1	1											3
	33		1		1	1	1			1								5
	34		1		1	1	1	2		1	1							8
	35	1	2	1	1	1	1	2		2	2			2				15
	36	1	2	1	3	1	1	3		2	4	1		3				22
	37	1	2	3	7	1	1	3		4	5	1	1	4		1		34
	38	2	2	4	10	2	5	5		9	7	1	1	5		1	1	55
	39	2	2	8	11	2	6	5	2	13	9	4	2	6	2	1	1	76
	40	5	2	9	12	3	8	7	3	14	9	4	2	6	4	1	1	90
	41	9	6	10	15	3	9	8	4	15	10	6	4	7	4	1	1	112
	42	14	12	20	17	5	13	9	4	15	10	7	5	7	4	1	1	144
	43	32	23	25	22	6	16	10	7	16	11	7	5	7	4	1	1	193
	44	42	26	32	24	6	17	12	7	16	11	7	5	7	4	1	1	218
	45	47	30	33	24	7	23	12	9	16	11	7	5	7	4	1	1	237
	46	47	30	35	24	7	24	12	9	16	11	7	5	7	4	1	1	240
Dec.	36	1																1
	37	2	1		2					1		1						7
	38	2	1	1	2					1		1						8
	39	2	1	2	2		2			1		1						11
	40	4	1	5	2		6			2	2	2	1		1			26
	41	5	1	8	5		9	1		3	2	4	3		1			42
	42	6	1	13	9	2	12	5	1	7	3	4	3		1			67
	43	15	2	23	16	9	19	6	2	9	7	5	4		1			118
	44	39	5	29	17	11	22	7	4	9	8	6	4		1			162
	45	55	11	35	18	14	22	9	7	9	8	6	4		1			199
	46	66	17	42	21	16	26	9	7	9	8	6	4		1			232
	47	72	19	42	21	21	26	9	7	10	8	6	4		1			246
	48	74	19	42	21	21	26	9	7	10	8	6	4		1			248

C.B.D. 3983

Direction and Speed of Surface Wind

	Direction x 10°	Calm	1-9	10-19	20-29	30-39	40-49	≥ 50	Total
Jan.	35 36 01		1	14	5	0	0	0	20
	02 03 04		2	10	3	0	0	0	15
	05 06 07		1	0	0	0	0	0	1
	08 09 10		2	0	0	0	0	0	2
	11 12 13		3	2	0	0	0	0	5
	14 15 16		1	4	0	0	0	0	5
	17 18 19		2	2	1	0	0	0	5
	20 21 22		3	0	0	0	0	0	3
	23 24 25		4	4	1	0	0	0	9
	26 27 28		6	22	18	4	0	0	50
	29 30 31		3	29	25	5	0	0	62
	32 33 34		10	27	30	3	0	0	70
									1
		1	38	114	83	12	0	0	248
Feb.	35 36 01		3	1	0	0	0	0	4
	02 03 04		3	0	0	0	0	0	3
	05 06 07		0	0	0	0	0	0	0
	08 09 10		0	0	0	0	0	0	0
	11 12 13		0	0	0	0	0	0	0
	14 15 16		0	0	0	0	0	0	0
	17 18 19		3	0	0	0	0	0	3
	20 21 22		11	12	0	0	0	0	23
	23 24 25		12	4	0	0	0	0	16
	26 27 28		7	31	19	1	0	0	58
	29 30 31		13	23	11	3	3	1	54
	32 33 34		16	24	8	1	0	0	49
									14
		14	68	95	38	5	3	1	224
Mar.	35 36 01		0	1	0	0	0	0	10
	02 03 04		2	1	3	0	0	0	6
	05 06 07		0	0	0	0	0	0	0
	08 09 10		0	0	0	0	0	0	0
	11 12 13		0	0	0	0	0	0	0
	14 15 16		1	0	1	0	0	0	2
	17 18 19		1	4	5	0	0	0	10
	20 21 22		7	2	0	0	0	0	9
	23 24 25		3	8	1	0	0	0	12
	26 27 28		5	19	18	8	2	0	52
	29 30 31		4	27	30	4	0	0	65
	32 33 34		5	33	31	9	0	0	78
									4
		4	28	104	89	21	2	0	248
Apr.	35 36 01		0	3	3	0	0	0	6
	02 03 04		1	0	0	0	0	0	1
	05 06 07		0	0	0	0	0	0	0
	08 09 10		0	0	0	0	0	0	0
	11 12 13		1	3	4	0	0	0	8
	14 15 16		1	3	8	0	0	0	12
	17 18 19		2	3	1	0	0	0	6
	20 21 22		6	7	1	0	0	0	14
	23 24 25		6	7	0	0	0	0	13
	26 27 28		4	25	19	1	0	0	49
	29 30 31		5	27	28	1	0	0	61
	32 33 34		1	32	31	6	0	0	70
									0
		0	27	110	95	8	0	0	240

FREQUENCY ANALYSES
MACQUARIE ISLAND 1961

Direction and Speed of Surface Wind

	Direction x 10°	Calm	1-9	10-19	20-29	30-39	40-49	≥ 50	Total
May.	35 36 01		4	13	7	0	0	0	24
	02 03 04		0	0	1	0	0	0	1
	05 06 07		0	0	0	0	0	0	0
	08 09 10		0	0	0	0	0	0	0
	11 12 13		0	0	0	0	0	0	0
	14 15 16		0	0	0	0	0	0	0
	17 18 19		4	5	1	0	0	0	10
	20 21 22		5	3	0	0	0	0	8
	23 24 25		4	3	0	0	0	0	7
	26 27 28		11	35	15	4	1	0	66
	29 30 31		13	40	15	0	0	0	68
	32 33 34		1	37	23	2	0	0	63
									1
		1	42	136	62	6	1	0	248
Jun.	35 36 01		1	3	3	0	0	0	7
	02 03 04		1	3	0	0	0	0	4
	05 06 07		1	0	0	0	0	0	1
	08 09 10		0	0	0	0	0	0	0
	11 12 13		2	1	1	0	0	0	4
	14 15 16		3	5	0	0	0	0	8
	17 18 19		9	9	1	0	0	0	19
	20 21 22		13	13	1	0	0	0	27
	23 24 25		12	15	1	0	0	0	28
	26 27 28		12	22	10	3	0	0	47
	29 30 31		3	30	10	0	1	0	44
	32 33 34		7	17	17	6	0	0	47
									4
		4	64	118	44	9	1	0	240
Jul.	35 36 01		2	2	2	0	0	0	6
	02 03 04		1	0	0	0	0	0	1
	05 06 07		0	0	0	0	0	0	0
	08 09 10		0	0	0	0	0	0	0
	11 12 13		0	0	0	0	0	0	0
	14 15 16		0	9	4	0	0	0	13
	17 18 19		12	16	1	0	0	0	29
	20 21 22		13	7	0	0	0	0	20
	23 24 25		6	9	0	0	0	0	15
	26 27 28		8	30	13	0	0	0	51
	29 30 31		12	30	18	2	0	0	62
	32 33 34		11	22	5	0	0	0	38
									13
		13	65	125	43	2	0	0	248
Aug.	35 36 01		1	9	2	0	0	0	12
	02 03 04		1	3	0	0	0	0	4
	05 06 07		0	0	0	0	0	0	0
	08 09 10		0	0	0	0	0	0	0
	11 12 13		0	0	0	0	0	0	0
	14 15 16		1	2	0	0	0	0	3
	17 18 19		1	3	0	0	0	0	4
	20 21 22		4	6	0	0	0	0	10
	23 24 25		4	5	0	0	0	0	9
	26 27 28		6	39	19	1	0	0	65
	29 30 31		2	44	24	1	0	0	71
	32 33 34		1	33	36	0	0	0	70
									0
		0	21	144	81	2	0	0	248

Direction and Speed of Surface Wind

	Direction x 10°	Calm	1-9	10-19	20-29	30-39	40-49	≥ 50	Total
Sep.	35 36 01		4	12	7	0	0	0	23
	02 03 04		1	3	0	0	0	0	4
	05 06 07		0	0	0	0	0	0	0
	08 09 10		0	0	0	0	0	0	0
	11 12 13		0	0	0	0	0	0	0
	14 15 16		1	0	0	0	0	0	1
	17 18 19		4	6	0	0	0	0	10
	20 21 22		7	4	0	0	0	0	11
	23 24 25		7	10	0	0	0	0	17
	26 27 28		5	27	30	3	0	0	65
	29 30 31		3	32	12	4	0	0	51
	32 33 34		5	25	25	3	0	0	58
									0
		0	37	119	74	10	0	0	240
Oct.	35 36 01		2	8	3	0	0	0	13
	02 03 04		0	0	0	0	0	0	0
	05 06 07		1	0	0	0	0	0	1
	08 09 10		1	0	0	0	0	0	1
	11 12 13		1	2	1	0	0	0	4
	14 15 16		1	1	0	0	0	0	2
	17 18 19		0	2	0	0	0	0	2
	20 21 22		0	0	0	0	0	0	0
	23 24 25		1	1	0	0	0	0	2
	26 27 28		5	30	32	5	0	0	72
	29 30 31		6	17	27	4	0	0	54
	32 33 34		5	42	38	11	0	0	96
									1
		1	23	103	101	20	0	0	248
Nov.	35 36 01		3	2	0	0	0	0	5
	02 03 04		2	1	0	0	0	0	3
	05 06 07		0	0	0	0	0	0	0
	08 09 10		0	0	0	0	0	0	0
	11 12 13		0	0	0	0	0	0	0
	14 15 16		1	2	0	0	0	0	3
	17 18 19		3	7	0	0	0	0	10
	20 21 22		2	6	0	0	0	0	8
	23 24 25		5	3	0	0	0	0	8
	26 27 28		5	49	11	2	0	0	67
	29 30 31		7	41	14	3	0	0	65
	32 33 34		2	48	19	0	0	0	69
									2
		2	30	159	44	5	0	0	240
Dec.	35 36 01		2	7	4	1	0	0	14
	02 03 04		2	2	0	0	0	0	4
	05 06 07		0	0	0	0	0	0	0
	08 09 10		0	0	0	0	0	0	0
	11 12 13		2	1	0	0	0	0	3
	14 15 16		3	2	0	0	0	0	5
	17 18 19		5	2	1	0	0	0	8
	20 21 22		0	2	0	0	0	0	2
	23 24 25		1	0	1	0	0	0	2
	26 27 28		4	23	16	4	0	0	47
	29 30 31		6	30	24	1	1	0	62
	32 33 34		8	53	36	2	0	0	99
									2
		2	33	122	82	8	1	0	248

Results of Radiosonde Observations.

Temperature at 850 mb

Upper Limit Range - °C	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
515							1						1
512						2	3		4				9
509		2			3	8	8	2	7	3	4		37
506		11	8	5	11	11	10	7	11	9	9	5	97
503	9	19	20	16	22	22	28	21	23	22	22	16	240
000	15	21	22	16	25	25	29	25	26	26	23	20	273
003	24	26	28	24	31	29	31	31	29	29	28	22	332
006	29	28	30	28	31	30	31	31	30	31	29	27	355
009	31	28	31	29	31	30	31	31	30	31	30	29	362
012	31	28	31	29	31	30	31	31	30	31	30	30	363

Temperature at 700 mb

524									1				1
521						1	1	1	3	1	1		8
518			1	1	2	5	4	1	6	3	3		26
515	1	4	6	4	8	9	7	4	12	6	7	3	71
512	3	10	11	8	16	15	13	8	13	11	13	5	126
509	8	14	15	9	20	23	21	20	20	20	17	13	200
506	12	19	19	16	30	29	31	31	28	28	23	18	284
503	19	25	28	24	31	29	31	31	30	30	28	24	330
000	28	28	30	29	31	30	31	31	30	31	30	29	358
003	31	28	31	29	31	30	31	31	30	31	30	30	363

Temperature at 500 mb

539					1				2				3
536					4	2	2	1	3	2	2		16
533	1	1	3		7	6	5	2	6	6	5		42
530	2	1	6	1	12	10	9	8	10	8	10	1	78
527	3	3	11	4	16	19	22	16	15	12	12	6	139
524	7	8	12	8	25	26	30	30	22	23	17	9	217
521	11	17	18	18	31	27	31	31	30	29	21	18	282
518	18	25	30	28	31	29	31	31	30	31	29	20	333
515	28	28	31	29	31	30	31	31	30	31	29	27	356
512	31	28	31	29	31	30	31	31	30	31	30	28	361
509	31	28	31	29	31	30	31	31	30	31	30	29	362
506	31	28	31	29	31	30	31	31	30	31	30	29	362
503	31	28	31	29	31	30	31	31	30	31	30	29	362
000	31	28	31	29	31	30	31	31	30	31	30	30	363

Temperature at 300 mb

563									1				1
560							1	1	2				4
557			1		1	8	7	5	6	3	1		32
554			1	2	14	20	26	27	15	8	5	1	119
551		6	5	9	25	26	30	31	27	23	13	4	199
548	5	14	16	19	30	29	31	31	30	30	20	13	268
545	13	21	23	29	31	30	31	31	30	31	28	23	321
542	26	26	29	29	31	30	31	31	30	31	29	26	349
539	29	27	30	29	31	30	31	31	30	31	29	29	357
536	30	28	30	29	31	30	31	31	30	31	29	30	360

C.B.O. 2193

Results of Radiosonde Observations.

Temperature at 200 mb

Upper Limit Range - °C	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
578								1					1
575								3					3
572					1	2	7	9	1				20
569				1	3	6	13	12	2	2			39
566				3	6	8	18	16	7	2	3		63
563	2	3	3	7	9	13	20	19	10	5	5	1	97
560	8	4	3	12	12	15	23	24	14	9	10	3	137
557	10	6	8	13	18	17	26	27	19	15	12	6	177
554	16	13	10	19	22	21	29	29	27	21	15	12	234
551	18	17	14	24	27	24	31	29	29	26	20	21	280
548	24	19	17	28	28	26	31	29	29	27	26	23	307
545	26	24	21	29	29	29	31	29	30	31	27	25	331
542	27	26	29	29	29	29	31	29	30	31	29	29	348
539	27	27	30	29	29	29	31	29	30	31	29	30	351
536	28	27	30	29	29	29	31	29	30	31	29	30	352

Temperature at 150 mb

575									1				1
572							2	1	2				5
569							3	4	2				9
566							5	7	3				15
563				2		5	11	13	4	4			39
560				6	2	11	21	20	10	7	4		81
557	1	2	2	10	12	17	24	25	14	13	7	1	128
554	7	4	8	16	19	19	29	26	23	18	12	8	189
551	17	14	15	25	23	21	30	27	28	23	22	17	262
548	21	20	18	29	26	24	30	27	29	26	24	26	300
545	25	27	25	29	26	28	30	27	29	29	27	27	329
542	26	27	27	29	26	28	30	27	29	29	28	30	336
539	27	27	27	29	26	28	30	27	29	29	28	30	337

Temperature at 100 mb

572							1		1				2
569							2	4	1				7
566							4	7	2				13
563						2	14	12	5	3			36
560				1	3	7	20	16	9	6	1	1	64
557			4	9	10	11	26	22	16	10	4	3	115
554	3	4	10	21	20	14	28	23	24	14	10	6	177
551	16	14	17	26	25	19	28	23	26	23	19	18	254
548	20	22	20	27	25	22	28	23	27	26	24	25	289
545	23	24	26	27	25	23	28	23	28	27	25	27	306
542	25	24	26	27	25	23	28	23	28	27	27	28	311

Results of Radiosonde Observations.

Temperature at Tropopause

Upper Limit Range - °C	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
578						1	2	1					4
575						1	3	3	2				9
572					1	5	9	10	2	1			28
569				3	3	8	17	12	3	2	1		49
566				4	9	12	19	17	10	5	5		81
563	3	3	3	9	13	17	23	21	16	8	8		124
560	9	6	7	17	17	19	26	26	21	13	12	4	177
557	13	16	11	20	24	25	29	27	27	19	15	12	238
554	18	20	15	24	26	26	31	29	28	27	19	19	282
551	21	22	22	28	29	28	31	29	29	29	24	21	313
548	24	24	26	29	30	29	31	29	30	31	28	24	335
545	24	26	27	29	31	29	31	29	30	31	28	27	342
542	27	26	28	29	31	29	31	29	30	31	29	27	347
539	28	27	30	29	31	29	31	29	30	31	29	28	352

Results of Radiosonde Observations.

Geopotential at 850 mb

Upper Limit Range gpDm	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
105		1	1			2			1				5
110		1	3		1	4		1	1		2		13
115	2	1	3		2	5		1	4	1	5	1	25
120	4	2	8	1	5	6	7	1	7	7	9	2	59
125	4	2	12	2	11	12	10	2	10	10	12	6	93
130	10	11	16	6	15	13	13	5	12	16	13	13	143
135	16	19	24	13	19	22	19	8	19	22	18	17	216
140	22	24	27	19	24	26	19	18	23	31	22	26	281
145	30	26	29	25	28	29	23	23	24	31	26	28	322
150	31	26	31	28	31	30	30	29	28	31	28	29	352
155	31	28	31	29	31	30	31	31	30	31	30	30	363

Geopotential at 700 mb

250									1				1
255		1	1			1			1				4
260		1	2		1	4		1	2		2		13
265		2	3		2	5	4	1	3	2	6		28
270	3	2	8	2	6	8	6	1	8	6	10	2	62
275	4	4	10	2	10	11	9	3	10	10	11	3	87
280	6	9	12	5	16	14	14	5	12	14	12	9	128
285	13	16	17	9	19	19	16	6	17	19	16	15	182
290	14	21	27	15	20	24	19	14	21	25	20	22	242
295	23	24	27	20	26	28	22	19	24	31	25	26	295
300	30	26	30	26	29	30	28	25	26	31	27	28	336
305	31	26	31	27	31	30	30	31	29	31	28	29	354
310	31	28	31	29	31	30	31	31	30	31	30	30	363

Geopotential at 500 mb

495									1				1
500			1			1		1	2				5
505			1			4	1	1	2	1	2		12
510		1	1		4	5	4	1	4	3	6		29
515		2	6	2	5	7	5	1	6	5	9		48
520	2	3	10	2	7	9	7	3	7	8	10	2	70
525	4	3	11	2	12	12	12	3	8	11	11	4	93
530	5	6	11	5	18	14	14	5	14	13	11	6	122
535	8	10	14	5	19	17	16	9	18	16	15	8	155
540	12	15	17	8	19	23	18	13	21	23	19	12	200
545	14	18	25	15	21	25	20	16	22	26	21	18	241
550	17	23	27	20	25	30	24	24	25	30	23	24	292
555	23	26	28	24	29	30	30	28	27	31	25	25	326
560	30	26	30	25	31	30	30	31	28	31	28	26	346
565	31	26	31	29	31	30	31	31	30	31	29	27	357
570	31	28	31	29	31	30	31	31	30	31	30	28	361
575	31	28	31	29	31	30	31	31	30	31	30	30	363

FREQUENCY ANALYSES
MACQUARIE ISLAND 1961

Results of Radiosonde Observations.

Geopotential at 300 mb

Upper Limit Range gpDm	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
830									2				2
840			1			1		1	3				6
850			1		3	5	4	1	3	1	3		21
860			3	1	7	7	6	2	6	6	8		46
870	2	2	10	2	11	12	12	5	7	8	10	3	84
880	3	7	11	5	19	17	15	9	15	13	11	6	131
890	7	9	14	6	19	23	18	14	22	21	15	10	178
900	10	16	19	17	25	29	28	24	26	28	20	16	258
910	14	24	26	22	30	30	30	31	27	31	22	24	311
920	24	26	30	25	31	30	31	31	30	31	26	27	342
930	30	28	30	29	31	30	31	31	30	31	29	27	357
940	30	28	30	29	31	30	31	31	30	31	29	30	360

Geopotential at 200 mb

1090									2				2
1100							1	1	3				5
1110					1	4	5	2	4	3	3		22
1120			1		4	9	11	5	5	6	7		48
1130			3	3	11	6	17	8	9	10	10		87
1140	1	3	1	4	17	24	20	14	21	14	10	4	142
1150	4	9	21	6	22	27	28	25	26	22	15	8	203
1160	9	15	19	18	26	29	30	29	26	30	20	17	268
1170	11	23	27	24	29	29	31	29	29	31	24	23	310
1180	21	25	30	26	29	29	31	29	30	31	27	26	334
1190	28	27	30	29	29	29	31	29	30	31	29	28	350
1200	28	27	30	29	29	29	31	29	30	31	29	29	351
1210	28	27	30	29	29	29	31	29	30	31	29	30	352

Geopotential at 150 mb

1260									1				1
1270									3				3
1280							1	1	3				5
1290					1	2	2	3	3	1	1		13
1300					2	6	11	4	5	4	4		36
1310			1		7	15	16	10	9	8	7		73
1320			3	3	13	23	26	20	18	10	9		125
1330		1	10	5	19	27	29	27	26	20	11	4	179
1340	4	10	10	16	26	28	30	27	29	28	16	11	235
1350	8	19	23	22	26	28	30	27	29	29	25	18	284
1360	15	25	27	29	26	28	30	27	29	29	26	24	315
1370	26	27	27	29	26	28	30	27	29	29	28	27	333
1380	27	27	27	29	26	28	30	27	29	29	28	29	336
1390	27	27	27	29	26	28	30	27	29	29	28	30	337

Results of Radiosonde Observations.

Geopotential at 100 mb

Upper Limit Range gpDm	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
1520									1				1
1530							1		2	1			4
1540							1	1	3	1			6
1550							9	3	4	3	1		20
1560					4	6	17	9	5	5	2		48
1570					10	12	24	18	13	8	6		91
1580			1	1	14	22	27	22	22	14	8		131
1590			4	5	19	23	28	23	28	17	11		158
1600		5	10	15	25	23	28	23	28	25	17	8	207
1610	5	16	20	23	25	23	28	23	28	27	25	13	256
1620	13	23	26	27	25	23	28	23	28	27	27	21	291
1630	24	24	26	27	25	23	28	23	28	27	27	26	308
1640	25	24	26	27	25	23	28	23	28	27	27	28	311

Geopotential at Tropopause

650			1								1		2
700		1	1								3		5
750	1	1	2		1	2					4	1	12
800	4	2	4	1	2	4			1	1	4	4	27
850	5	2	8	3	3	4	1	1	2	1	7	5	42
900	5	4	14	4	6	9	3	2	6	9	11	5	78
950	8	9	15	7	13	10	4	4	8	13	13	6	110
1000	9	10	18	8	17	12	11	8	14	20	17	12	156
1050	13	16	20	12	20	16	12	10	20	23	19	15	196
1100	14	21	22	20	26	20	19	17	24	25	22	23	253
1150	19	23	29	23	28	25	27	26	27	29	24	27	307
1200	26	27	30	26	31	28	29	29	28	31	26	27	338
1250	28	27	30	29	31	29	30	29	29	31	29	28	350
1300	28	27	30	29	31	29	31	29	30	31	29	28	352

Pressure at Tropopause

Upper Limit Range - mb	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
200	7	2	1	6	3	6	9	9	3	2	4	2	54
250	16	15	10	21	14	18	22	22	16	10	12	17	193
300	23	24	21	26	28	25	31	28	28	29	21	23	307
350	26	26	28	29	30	27	31	29	30	31	25	25	337
400	28	27	29	29	31	29	31	29	30	31	28	28	350
450	28	27	30	29	31	29	31	29	30	31	29	28	352

FREQUENCY ANALYSES
MAWSON 1961

Station Level Pressure

Upper Limit Range - mb	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
960							3	1					4
965			3				7	13	5				28
970			7		3		16	30	9	9	9	13	96
975	7	7	26	10	19	5	46	56	18	50	13	38	295
980	42	40	71	35	57	38	99	103	23	79	36	70	693
985	118	66	137	85	110	90	187	159	46	117	92	179	1386
990	167	110	185	157	169	127	212	201	101	172	168	229	1998
995	231	191	223	194	203	163	235	224	179	230	213	248	2534
1000	244	216	242	215	225	185	239	237	216	248	232	248	2747
1005	248	224	248	233	245	210	242	239	231	248	240	248	2856
1010	248	224	248	240	248	223	248	241	234	248	240	248	2890
1015	248	224	248	240	248	231	248	242	238	248	240	248	2903
1020	248	224	248	240	248	240	248	248	240	248	240	248	2920

Maximum Temperature

Upper Limit Range - °F													
521							1						1
518							2						2
515							3						3
511							3	1					4
510							3	2					5
509							3	3					6
507						1	3	4					8
506						1	3	5					9
505						1	4	7					12
504						2	4	8					14
503				1		3	6	9	1				20
502				1		3	7	9	2				22
501				1	1	3	8	12	4				29
000				2	1	3	8	12	4				30
001				2	2	5	9	12	4				34
002				3	2	7	10	12	4				38
003				4	4	9	10	13	5				45
004				5	4	9	10	13	5	1			47
005				6	4	10	10	16	5	4			55
006				6	6	10	10	16	6	5			59
007				7	6	12	10	16	6	6			63
008				9	7	15	13	16	9	6			75
009				10	9	18	16	18	11	7			89
010			1	12	12	18	16	19	11	8			97
011			1	13	14	19	17	20	12	9			105
012			2	13	15	19	19	21	12	10			111
013			3	16	16	19	19	22	13	11			119
014			4	19	20	20	21	23	16	12			135
015			5	19	20	24	21	23	17	14			143
016			6	20	22	25	22	25	18	16			154
017			8	21	25	27	24	26	20	18			169
018			13	23	26	27	24	28	20	22	1		184
019			17	24	27	27	25	29	23	25	1		198
020			17	27	29	27	25	29	24	25	1		204
021			19	28	30	27	25	29	27	27	1		213
022			19	29	30	27	26	31	28	28	2		220
023			21	29	30	27	29	31	29	30	3		229
024			21	29	31	27	30	31	29	31	4		233
025			23	29	31	28	31	31	30	31	7		241
026		1	24	29	31	28	31	31	30	31	7		243
027		1	26	30	31	29	31	31	30	31	10		250
028		1	28	30	31	29	31	31	30	31	12	1	255
029		1	29	30	31	29	31	31	30	31	15	3	261
030		2	29	30	31	30	31	31	30	31	17	4	266
031		7	29	30	31	30	31	31	30	31	19	6	275
032	3	11	29	30	31	30	31	31	30	31	22	6	285
033	3	15	29	30	31	30	31	31	30	31	26	9	296
034	8	19	29	30	31	30	31	31	30	31	27	14	311
035	14	19	29	30	31	30	31	31	30	31	30	19	325
036	21	21	29	30	31	30	31	31	30	31	30	21	336
037	25	24	29	30	31	30	31	31	30	31	30	25	347
038	26	28	29	30	31	30	31	31	30	31	30	29	356
039	29	28	29	30	31	30	31	31	30	31	30	31	361
040	30	28	29	30	31	30	31	31	30	31	30	31	362
045	31	28	29	30	31	30	31	31	30	31	30	31	363

Minimum Temperature

Upper Limit Range - °F	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
525							1						1
524							2						2
522							3						3
519							4						4
518							5						5
517							5	1					6
516							5	2					7
515						2	5	3					10
513						2	5	6					13
512						2	6	7					15
511					1	3	6	10	1				21
510				1	1	3	6	13	1				25
509				1	1	6	8	13	2				31
508				1	1	7	8	14	4				35
507				2	1	8	8	14	4	1			38
506				2	2	8	8	14	5	2			41
505				2	2	8	8	14	5	3			42
504				4	4	8	9	15	5	3			48
503				8	5	10	11	16	6	3			59
502				9	5	10	12	18	7	5			66
501				10	6	13	12	19	8	9			77
500				11	6	14	12	19	8	9			79
000				11	6	15	13	21	9	10			85
001			2	11	10	17	13	21	10	13	1		98
002			2	12	13	20	14	21	12	14	1		109
003			3	14	14	21	15	22	14	15	1		119
004			4	15	14	22	18	23	15	16	1		128
005			5	15	16	24	20	23	18	18	1		140
006			6	16	18	24	20	24	19	19	1		147
007			9	18	20	26	22	24	21	22	1		163
008			12	19	21	27	23	26	23	22	1		174
009			15	21	25	27	24	26	24	22	1		185
010			18	22	26	27	24	27	27	22	2		195
011			20	22	26	28	25	28	27	23	4		203
012			20	22	28	28	28	29	27	24	6		212
013			20	23	30	29	29	30	27	27	7		222
014			23	24	30	29	29	30	27	27	8		227
015		1	24	27	30	29	30	30	28	29	8		236
016		1	24	28	31	29	30	31	28	31	11		244
017		2	26	29	31	29	30	31	29	31	12		250
018	1	3	27	29	31	29	31	31	30	31	13		256
019	4	4	27	29	31	29	31	31	30	31	17	3	267
020	4	5	27	29	31	29	31	31	30	31	23	5	276
021	5	7	28	30	31	29	31	31	30	31	26	9	288
022	7	9	28	30	31	30	31	31	30	31	27	13	298
023	8	11	29	30	31	30	31	31	30	31	29	17	308
024	9	15	29	30	31	30	31	31	30	31	29	22	318
025	11	19	29	30	31	30	31	31	30	31	30	26	329
026	14	21	29	30	31	30	31	31	30	31	30	27	335
027	18	21	29	30	31	30	31	31	30	31	30	29	341
028	20	25	29	30	31	30	31	31	30	31	30	29	345
029	25	24	29	30	31	30	31	31	30	31	30	31	353
030	31	26	29	30	31	30	31	31	30	31	30	31	361
031	31	28	29	30	31	30	31	31	30	31	30	31	363

Speed of Maximum Wind Gust

Upper Limit Range - Knots	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
20		1											1
30	7	3			1	1	1	2		5	4	3	27
40	22	8	7	13	4	9	12	12	11	16	20	20	154
50	24	15	16	25	15	15	22	20	21	23	28	28	252
60	28	17	24	27	24	22	28	23	23	29	30	31	306
70	31	19	28	30	29	24	28	26	26	31	30	31	333
80	31	23	28	30	31	28	31	29	29	31	30	31	352
90	31	27	29	30	31	30	31	31	30	31	30	31	362
100	31	27	29	30	31	30	31	31	30	31	30	31	362
110	31	28	29	30	31	30	31	31	30	31	30	31	363

Daily Duration of Sunshine

Upper Limit Range - Hours													
00	2	2	11	12	19	28	23	12	11	6	4	4	134
01	3	5	12	13	21	29	24	16	14	7	7	5	156
02	5	7	13	13	22	30	25	16	15	8	8	6	168
03	6	9	14	14	25	30	26	19	15	8	9	9	184
04	7	13	16	16	27	30	28	19	16	9	10	9	200
05	7	15	18	17	29	30	31	19	19	12	13	9	219
06	9	17	21	18	31	30	31	22	20	12	15	9	235
07	13	17	23	23	31	30	31	27	22	14	15	10	256
08	16	18	24	28	31	30	31	30	23	16	15	10	272
09	16	18	25	30	31	30	31	31	25	16	16	12	281
10	16	19	28	30	31	30	31	31	28	19	16	13	292
11	17	19	30	30	31	30	31	31	28	20	18	14	299
12	18	19	31	30	31	30	31	31	30	25	19	14	309
13	19	20	31	30	31	30	31	31	30	25	20	15	313
14	21	20	31	30	31	30	31	31	30	27	20	16	318
15	23	22	31	30	31	30	31	31	30	30	22	16	327
16	23	24	31	30	31	30	31	31	30	31	23	21	336
17	26	26	31	30	31	30	31	31	30	31	25	26	348
18	31	26	31	30	31	30	31	31	30	31	30	28	360
19	31	26	31	30	31	30	31	31	30	31	30	31	363

Screen Temperature v Dew Point Depression

Dew Point Depression

	°F	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	>14	Total
Jan.	018											1						1
	019											1		1				2
	020										2	1		3				6
	021								1		2	1		3				7
	022								1		2	2		4				9
	023								1		2	5	1	6	2			17
	024								1		2	5	2	7	4			21
	025								1		3	5	3	10	4	1		27
	026								1		3	5	6	10	4	1		30
	027								2	5	4	5	9	15	5	1	2	48
	028					1			2	5	4	5	9	16	6	4	3	55
	029					1	1		5	5	4	7	10	20	10	7	7	77
	030		1		1	1	2		6	5	6	7	13	22	15	12	10	101
	031		3		1	1	3		7	5	9	9	14	24	17	15	15	123
	032		3	1	1	2	4		9	8	10	11	17	26	20	15	23	150
	033		4	1	2	3	4	2	11	9	12	14	17	29	26	17	27	178
	034		4	1	2	3	4	2	11	10	15	15	20	31	30	19	31	198
	035		4	1	2	3	4	2	11	11	17	18	22	33	34	22	34	218
	036		4	1	2	3	4	2	12	11	18	19	25	33	36	25	37	232
	037		4	1	2	3	4	2	12	11	18	19	25	34	37	26	40	238
	038		4	1	2	3	4	2	12	11	18	19	25	34	37	25	41	239
	039		4	1	2	3	4	2	12	11	18	19	25	34	39	27	44	245
	040		4	1	2	3	4	2	12	11	18	19	25	34	39	27	45	246
	043		4	1	2	3	4	2	12	11	18	19	25	34	39	27	46	247
	045		4	1	2	3	4	2	12	11	18	19	25	34	39	27	47	248
Feb.	015								1									1
	018								1		1				1			3
	019								2	1	1		1	1	2			8
	021								2	1	1		1	3	2			10
	022								2	2	2	2	1	4	3		1	17
	023								3	2	2	3	2	5	3		2	22
	024								3	2	2	3	2	6	3	3	3	27
	025	5	1			2			3	3	2	4	3	6	5	4	4	42
	026	7	4			2	1		4	5	3	4	6	8	5	5	4	58
	027	7	7			4	1		4	6	4	5	9	8	7	9	4	75
	028	7	7			5	1	2	6	8	4	6	11	8	9	10	4	88
	029	7	8	1		5	1	2	6	10	6	10	14	10	9	13	5	107
	030	7	8	1		5	1	2	6	10	9	11	19	15	12	13	9	128
	031	8	10	2	1	5	1	2	6	11	10	12	24	20	15	15	13	155
	032	12	10	3	1	5	1	2	6	11	12	16	27	23	17	16	18	180
	033	13	13	3	1	6	1	2	6	11	12	17	30	24	19	18	19	195
	034	13	14	3	1	6	1	2	7	11	12	17	31	24	20	19	22	203
	035	13	14	3	1	8	2	2	7	12	12	17	31	25	20	20	25	212
	036	13	14	3	2	8	2	4	7	12	13	17	31	25	20	21	27	219
	037	13	14	3	2	8	2	5	7	12	13	17	31	25	20	23	28	223
	038	13	14	3	2	8	2	5	7	12	13	17	31	25	20	23	29	224
Mar.	001										1		2					3
	003								1		1		2					4
	004								1	1	1		2	1				6
	005				1				1	3	2		2	1				10
	006				1				2	3	3		3	1				13
	007				1				4	6	3	1	3	2				20
	008				1				5	10	4	1	4	5				30
	009				1		1	1	7	12	7	1	5	6	2			43
	010				3		1	1	9	15	7	3	6	10	2			57
	011				3	1	2	1	10	16	9	5	7	11	2			67
	012			1	3	2	2	2	11	19	10	7	8	13	2			80
	013		2	2	7	2	4	4	12	21	17	7	8	14	3	1		104
	014		3	3	8	2	4	4	13	21	19	10	8	15	3	1		114
	015		6	5	10	2	4	6	15	24	20	10	8	15	3	1		129
	016		8	6	11	2	5	7	17	24	20	11	8	15	3	1	1	139
	017	1	13	6	12	3	5	9	17	27	22	12	10	15	3	1	2	158
	018	1	21	7	13	3	7	10	18	29	26	14	12	15	3	1	2	182
	019	1	24	7	13	3	7	10	18	29	28	16	12	15	3	1	2	189
	020	1	24	7	13	4	7	10	18	30	32	18	12	15	3	1	2	197
	021	1	24	7	13	4	8	10	19	30	34	19	12	15	3	1	2	202
	022	1	24	7	13	4	9	11	20	31	35	20	12	15	3	1	2	208
	023	1	25	7	13	4	9	12	20	31	35	20	13	15	3	1	2	211
	024	1	25	7	13	5	10	13	20	33	36	20	13	15	3	1	2	217
	025	1	26	7	13	5	10	14	20	33	38	21	13	16	5	1	2	225
	026	1	27	7	13	6	10	14	20	34	40	23	13	16	5	1	2	232
	027	1	28	7	13	6	10	14	21	36	42	25	13	16	5	1	2	240
	028	1	29	7	13	6	10	14	21	36	42	25	15	16	5	2	2	244

FREQUENCY ANALYSES
MAWSON 1961

Screen Temperature v Dew Point Depression

Dew Point Depression

	°F	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	>14	Total
Apr.	509										1	1	1					3
	508										1	3	2					6
	507										1	3	3			1		8
	506										2	3	5			1		11
	505								1		2	3	6			1		13
	504					2			1	1	3	5	6			1		19
	503					2			1	2	4	5	6			1		21
	502					2	1		2	2	4	6	6			1	2	26
	501					2	1		3	3	8	6	7		1	1	2	34
	500					2	1		3	3	8	8	9	1	1	1	2	39
	001					3	1		4	3	9	9	13	2	1	1	2	48
	002					3	2	1	6	5	11	9	15	6	2	1	2	63
	003					3	2	1	7	6	12	9	15	7	3	1	2	68
	004					4	2	1	7	6	14	10	15	8	4	1	2	74
	005				1	4	2	2	8	6	14	11	16	8	6	3	2	83
	006		1		1	4	2	2	8	7	17	12	16	12	6	7	2	97
	007		1		1	4	2	3	8	8	18	14	18	14	6	7	3	107
	008		1		1	4	2	3	8	9	18	14	20	14	6	8	5	113
	009		1		2	4	2	3	8	11	19	16	20	14	7	8	5	120
	010		1		2	4	2	4	8	12	20	16	20	16	7	8	5	125
	011		1		2	4	2	4	8	12	23	18	30	17	8	9	5	143
	012		1		2	4	2	5	8	12	23	19	33	17	8	9	5	148
	013		1		2	4	2	5	8	15	25	22	34	19	9	9	5	160
	014		1		2	4	2	7	9	16	28	23	35	20	10	9	5	171
	015		1	1	2	4	3	8	9	16	30	23	37	21	10	9	5	179
	016		2	1	2	4	3	9	9	16	30	23	39	21	12	9	5	185
	017		9	1	2	4	6	9	11	17	32	23	39	22	12	9	5	201
	018		13	2	3	4	8	12	11	18	32	23	39	23	13	9	5	215
	019		15	3	4	4	8	12	11	20	33	24	39	23	13	9	5	223
	020		15	3	4	4	9	12	12	21	33	25	39	24	13	10	5	229
	021		15	3	4	4	9	12	13	21	33	26	39	25	13	11	5	233
	022		15	3	4	4	9	12	13	21	33	26	39	25	15	11	5	235
	023		15	3	4	4	9	12	13	21	33	26	40	25	15	11	5	237
	024		15	3	4	4	9	12	13	21	33	26	40	25	16	12	5	238
	025		15	3	4	4	9	12	13	21	33	26	40	25	16	12	6	239
	026		15	3	4	4	9	12	13	21	33	26	40	25	16	12	7	240

May	511										1							1
	508										3							3
	506									1	3							4
	505									1	3	1						5
	504									1	3	2						6
	503		1	2						1	3	4	1					12
	502		1	2	2					1	3	5	3	1				18
	501		3	2	2					1	3	7	5	3				26
	500		3	2	3	2				1	3	8	5	3				30
	001		3	2	3	2				1	4	9	7	3				34
	002		3	2	3	3	1		1	1	4	10	10	3				41
	003		3	2	3	4	1		1	1	4	11	15	7	1			53
	004		3	2	3	4	1		1	1	5	12	18	9	3			62
	005		3	2	4	4	1		1	2	8	13	21	11	5	2		77
	006		4	2	4	4	1		1	3	8	14	22	11	7	4		85
	007	1	7	3	4	5	1		1	5	8	14	26	13	8	4		100
	008	2	8	3	4	5	1		1	5	8	16	29	18	9	4		113
	009	2	14	3	5	5	2	2	5	5	9	18	32	18	9	4		133
	010	2	16	3	5	7	2	3	7	7	11	19	35	20	9	4		150
	011	2	17	3	5	7	2	6	9	7	11	19	37	21	10	5	1	162
	012	2	17	3	5	7	2	6	9	8	12	19	39	22	11	7	1	170
	013	2	17	3	5	8	2	6	10	10	13	20	44	23	12	7	2	184
	014	2	17	3	5	8	2	6	12	11	15	21	46	24	12	7	2	193
	015	2	17	3	5	9	2	6	13	11	16	22	47	26	14	7	6	206
	016	2	17	3	5	9	2	6	13	13	17	25	49	28	15	7	8	219
	017	2	17	3	5	9	2	6	13	13	19	25	52	29	16	7	9	227
	018	2	17	3	5	9	2	6	13	13	19	26	54	35	16	7	9	236
	019	2	17	3	5	9	2	6	13	13	19	26	55	38	16	7	9	240
	020	2	17	3	5	9	2	6	13	14	20	26	55	38	16	7	9	242
	021	2	17	3	5	9	2	6	13	14	20	26	55	39	16	7	9	243
	022	2	17	3	5	9	2	6	13	14	20	26	55	40	17	7	9	245
	023	2	17	3	5	9	2	6	13	14	20	26	55	40	17	9	9	247
	024	2	17	3	5	9	2	6	13	14	20	26	55	40	17	10	9	248

Screen Temperature v Dew Point Depression

Dew Point Depression

	°F	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	>14	Total
Jun.	515														2			2
	514														3			3
	513													1	3			4
	512													2	3	2		7
	511												1	3	7	2		13
	510												2	3	10	3		18
	509												5	5	10	4		24
	508												6	6	10	4	1	27
	507												6	8	11	6	1	32
	506												6	8	12	9	1	36
	505												6	8	13	9	1	37
	504												6	8	15	11	1	41
	503												6	9	15	11	2	43
	502												6	10	18	11	3	48
	501											1	8	13	23	12	5	62
	500								1		1	1	9	13	25	14	5	68
	001								1		2	4	11	14	25	14	5	76
	002	1						1	2	2	3	4	11	16	28	15	5	88
	003	1	5					1	2	2	4	6	12	16	32	17	6	104
	004	1	6					1	2	4	5	7	12	18	33	18	8	115
	005	2	10					1	2	6	6	7	13	21	38	19	13	138
	006	2	11				1	1	2	7	6	7	13	22	40	19	17	148
	007	2	15		2		1	1	2	7	7	7	14	26	43	19	19	165
	008	2	19		2		1	1	2	7	7	7	15	27	45	21	21	177
	009	3	20		2		1	1	2	7	7	7	15	29	45	22	21	182
	010	3	20		2		1	1	2	7	7	8	15	29	47	22	22	186
	011	3	25	2	2	1	1	1	4	7	7	9	15	29	47	22	25	200
	012	3	27	2	2	1	1	1	4	7	7	9	15	30	48	22	26	205
	013	3	28	3	2	1	1	1	4	7	7	9	16	30	48	22	28	210
	014	3	29	3	2	1	1	1	4	7	7	9	16	30	48	22	28	211
	015	3	31	3	3	1	1	1	4	7	7	9	16	30	48	22	29	215
	016	3	31	3	3	1	1	1	4	7	7	9	16	31	48	22	31	218
	017	3	31	3	3	1	1	1	4	7	7	9	16	31	48	22	33	220
	018	3	31	3	3	1	1	1	4	7	7	9	16	31	49	22	33	221
	019	3	31	3	3	1	1	1	4	7	7	9	16	31	49	22	34	222
	020	3	31	3	3	1	1	1	4	7	7	9	16	31	49	22	36	224
	021	3	31	3	3	1	1	1	4	7	7	9	16	31	49	22	37	225
	023	3	31	3	3	1	1	1	4	7	7	9	16	31	49	22	40	228
	024	3	31	3	3	1	1	1	4	7	7	9	16	31	49	22	44	232
	025	3	31	3	3	1	1	1	4	7	7	9	16	31	49	22	45	233
	026	3	31	3	3	1	1	1	4	7	7	9	16	31	49	22	48	236
	027	3	31	3	3	1	1	1	4	7	7	10	17	31	49	22	49	239
	028	3	31	3	3	1	1	1	4	7	7	10	17	31	49	22	50	240

Screen Temperature v Dew Point Depression

Dew Point Depression

	°F	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	>14	Total
Jul.	525						1											1
	524						4	1										5
	523						4	2										6
	522						4	2	2									8
	521						4	5	2									11
	520						6	6	3					1				15
	519						8	7	3					1				19
	518						10	8	3					1				22
	517						10	9	3					1				23
	516					1	10	9	5			1		1				27
	515				1	1	10	9	5	1		1		1				29
	511				1	2	10	9	5	3		1		1				32
	510				1	4	10	9	5	3		1		1				34
	509				1	5	10	9	5	7		1		1				39
	508	1			1	5	10	9	5	7		1		1				40
	507	1		1	1	5	10	9	5	8		2		1				43
	506	1		1	1	5	11	9	6	8	1	3	2	1				49
	505	1		1	1	5	11	9	8	9	1	4	5	1				56
	504	1		1	1	6	11	9	8	9	1	4	6	2				59
	503	1		1	1	6	11	9	8	9	2	5	9	6				68
	502	1		1	1	6	11	9	8	9	2	5	10	7				70
	501	1		1	1	6	11	9	8	9	3	5	11	9	3			77
	500	1		1	1	6	11	9	8	9	3	5	11	10	3	1		79
	001	1		1	1	6	11	9	8	9	3	5	11	11	4	3	1	84
	002	1		1	1	6	11	9	9	9	3	5	12	12	4	5	1	89
	003	1		1	1	6	12	10	9	9	3	5	12	13	4	5	1	92
	004	2		1	1	6	12	10	9	9	3	5	12	15	4	5	3	97
	005	2	2	1	1	6	12	10	9	11	3	5	12	18	6	6	3	107
	006	2	2	1	1	6	12	11	9	11	4	5	14	22	8	7	4	119
	007	2	2	2	1	7	13	11	9	11	5	6	16	22	12	7	7	133
	008	2	3	2	1	7	13	12	9	11	5	7	17	24	19	8	8	148
	009	2	3	2	1	7	13	12	9	11	5	9	18	25	20	10	8	156
	010	2	3	2	1	7	13	12	9	11	5	9	20	29	20	10	8	161
	011	2	3	2	1	7	13	12	9	11	5	9	23	31	20	10	12	170
	012	2	3	2	1	7	13	12	9	13	5	9	26	32	22	10	14	180
	013	2	4	2	1	7	14	12	9	13	5	9	26	33	24	11	15	187
	014	2	4	2	1	7	14	13	9	13	5	9	26	35	24	13	15	192
	015	2	5	2	1	8	16	13	11	13	5	9	26	37	25	13	17	203
	016	2	5	3	1	8	16	13	12	13	5	9	27	39	26	14	20	213
	017	2	5	3	1	8	17	13	14	13	5	9	27	39	26	15	21	218
	018	2	5	3	1	8	17	13	15	13	5	9	27	39	26	16	23	222
	019	2	5	3	1	9	18	15	15	13	5	9	27	40	26	17	27	232
	020	2	5	3	1	9	18	15	15	13	5	9	27	40	26	17	28	233
	021	2	5	3	1	9	18	15	15	13	5	9	27	41	26	17	30	236
	022	2	5	3	1	9	18	15	15	13	5	9	27	41	26	17	36	242
	023	2	5	3	1	9	18	15	15	13	5	9	27	41	26	17	40	246
	024	2	5	3	1	9	18	15	15	13	5	9	27	41	26	17	41	247
	025	2	5	3	1	9	18	15	15	13	5	9	27	41	26	17	42	248

Screen Temperature v Dew Point Depression

Dew Point Depression

	°F	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	>14	Total
Aug.	517			2														2
	516			2										1			1	4
	515	1		3										1			1	6
	514	1		3										2			1	7
	513	1	1	3			1						1	4	3		1	15
	512	1	1	3			1						2	4	4	1	1	18
	511	1	1	3			1				1		5	6	9	3	1	31
	510	1	1	3			1			1	1		7	7	16	6	1	45
	509	1	1	3			1			1	1		8	8	19	7	1	51
	508	1	1	3			1			1	2		9	10	21	11	1	61
	507	1	1	3			1			1	2	1	9	11	24	16	2	72
	506	1	1	3			1		1	1	2	1	10	11	26	19	4	81
	505	1	1	3			1		1	1	2	1	10	11	27	20	7	86
	504	1	1	3			1		2	1	2	1	10	11	27	23	11	94
	503	1	1	3			1		2	1	3	1	10	11	28	23	17	102
	502	1	1	3			1		2	1	3	1	11	12	30	23	18	107
	501	1	1	3			1		2	2	3	1	11	12	35	24	19	115
	000	1	1	3			1		2	2	3	1	11	12	37	25	20	119
	001	1	1	3			1		2	2	3	3	11	13	40	28	21	129
	002	1	1	3			1		2	2	5	3	12	13	40	30	21	134
	003	1	1	3	1		1		2	3	5	4	12	15	41	30	21	140
	004	1	1	3	1		1		2	3	5	4	12	17	42	30	23	145
	005	1	1	3	1		1		2	3	5	4	12	19	44	31	24	151
	006	1	1	3	1	1	1		2	3	5	4	12	21	45	31	24	155
	007	2	2	3	1	1	1		2	3	5	4	12	23	45	32	24	160
	008	2	9	3	2	2	1		2	3	5	4	12	27	45	32	24	173
	009	2	12	4	2	2	1		2	3	5	4	13	27	46	32	25	180
	010	2	15	5	2	2	1	1	2	3	5	4	14	27	46	33	25	187
	011	2	17	6	2	3	1	1	2	3	5	4	14	27	48	33	25	193
	012	2	17	6	2	4	1	1	2	3	6	5	15	27	49	33	25	198
	013	2	19	6	3	4	1	1	2	3	8	5	15	27	49	33	28	206
	014	2	19	6	3	4	1	1	2	3	8	5	16	27	50	33	31	211
	015	2	20	6	3	4	1	1	2	3	8	5	16	29	50	34	31	215
	016	2	21	7	3	4	1	1	2	3	8	5	19	31	51	34	32	224
	017	2	21	7	3	4	1	2	2	4	8	6	19	31	53	34	34	231
	018	2	21	7	3	4	1	2	2	5	8	6	19	33	55	34	35	237
	020	2	21	7	3	4	1	2	2	5	8	6	19	35	55	34	36	240
	021	2	21	7	3	4	1	2	2	5	8	6	19	35	56	34	37	242
	022	2	21	7	3	4	1	2	2	5	8	6	19	35	56	34	38	243
Sep.	511													1				1
	510													1	2			3
	509													1	3			4
	508													3	4			7
	507													3	6	3	3	15
	506													5	7	3	4	19
	505						1			1				6	8	4	4	24
	504						1			1				7	9	5	4	27
	503						1			1				9	9	5	4	29
	502				1		1			1				9	11	5	4	32
	501				1		1			1				11	13	7	4	38
	000	1	1		1		1			1		1		12	14	7	4	43
	001	1	1		1		1			1		1		14	14	7	4	45
	002	1	2		1		1			1		2	3	16	15	8	4	54
	003	1	2		1		1			1		3	4	18	18	8	4	61
	004	1	3	1	1		2			1		4	4	18	19	8	7	69
	005	1	4	1	1		2			1		4	7	20	19	11	9	80
	006	1	6	1	1		2		1	1	1	4	7	22	19	11	11	88
	007	1	7	1	1		2		1	1	1	4	7	23	21	13	15	98
	008	1	8	3	1		2	1	2	1	1	4	7	25	21	16	17	110
	009	1	9	4	1		2	1	2	1	2	5	8	25	22	19	17	119
	010	1	9	4	1		2	1	2	1	3	5	8	27	25	20	21	130
	011	1	9	5	1		2	2	2	1	3	5	8	28	26	25	25	143
	012	1	9	5	1		2	2	2	1	3	5	9	30	26	26	30	152
	013	1	9	5	1		3	2	2	1	3	5	9	32	26	26	33	158
	014	1	9	5	1		3	2	3	1	3	5	9	32	26	27	35	162
	015	1	9	5	2		3	2	3	1	4	7	9	32	28	27	41	174
	016	1	9	5	2		3	2	3	1	4	7	9	32	29	29	50	186
	017	1	9	5	2		3	2	3	1	4	7	9	32	30	30	59	197
	018	1	9	6	2		3	2	3	1	4	7	9	33	32	30	60	202
	019	1	9	7	3		5	4	3	1	4	7	9	34	34	32	61	214
	020	1	9	7	4		6	4	3	1	4	7	9	34	34	33	66	222
	021	1	9	7	4		6	4	3	1	4	9	9	34	36	33	67	227
	022	1	9	7	4		6	4	3	1	4	10	9	34	36	33	68	229
	023	1	9	7	4		6	4	3	1	4	10	9	34	36	33	71	232
	024	1	9	7	4		6	4	3	1	4	10	9	34	36	33	73	234
	025	1	9	7	4		6	4	3	1	4	10	9	34	36	33	74	235

FREQUENCY ANALYSES
MAWSON 1961

Screen Temperature v Dew Point Depression

Dew Point Depression

	°F	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	>14	Total
Oct.	506									1							1	2
	505									1							2	3
	504									1	1					1	3	6
	503									1	1					1	4	7
	502									1	1	1			1	1	5	10
	501									1	1	3			1	2	7	15
	000								1	1	1	3	1		1	5	9	22
	001								1	1	1	3	1	1	2	6	14	30
	002								1	1	1	3	1	1	2	9	23	42
	003								1	1	2	3	1	1	5	10	30	54
	004								1	1	2	3	1	2	6	11	39	66
	005								1	1	2	3	1	3	6	13	45	75
	006								1	1	2	5	1	4	6	13	50	83
	007								1	1	2	6	1	5	6	13	61	96
	008								2	1	2	6	1	7	6	13	62	100
	009								3	1	2	6	1	7	7	14	71	112
	010								4	1	2	6	1	8	7	14	78	121
	011						1		4	1	2	6	1	8	8	14	86	131
	012						1		4	1	3	6	2	8	10	14	93	142
	013						1		5	1	3	6	2	8	10	17	96	149
	014					1	2	1	5	1	3	6	3	8	10	17	101	158
	015		2			1	2	2	5	1	4	6	3	8	11	17	107	169
	016		5			2	2	4	5	1	6	6	3	9	11	17	114	185
	017		9			2	2	6	6	2	7	6	4	10	11	17	121	203
	018		9			4	2	9	6	4	8	6	4	11	12	17	126	218
	019		9			5	2	10	6	4	8	7	5	11	13	19	134	233
	020		9	1		5	2	10	6	4	8	7	5	11	13	19	135	235
	021		9	1		5	3	10	6	4	8	7	5	11	13	19	140	241
	022		9	1		5	3	10	6	4	8	7	5	11	13	19	142	243
	023		9	1	1	6	3	10	6	4	8	7	5	11	13	19	142	245
	024		9	1	1	6	6	10	6	4	8	7	5	11	13	19	142	248
Nov.	010													1				1
	011					1								2	1			4
	012					1								2	1		2	6
	013					1			1				1	2	3		3	11
	014					2			1				1	2	4		3	13
	015					2			1				1	3	5	1	4	17
	016					2			1				2	3	5	1	5	19
	017					2			1			1	2	3	6	1	8	24
	018					2		1	1			1	2	3	9	3	10	32
	019					2		1	1	1	2	2	2	7	13	3	14	48
	020					2		1	1	2	2	2	3	8	14	4	17	56
	021					2		1	1	2	2	3	4	9	15	6	21	66
	022				1	2		1	3	4	4	4	6	14	17	7	23	86
	023				2	2	1	4	4	6	4	5	7	15	24	10	32	116
	024				2	3	1	4	4	8	4	8	8	17	25	10	41	135
	025				2	3	1	5	6	9	8	10	8	18	27	13	48	158
	026				2	3	1	5	6	9	9	10	11	19	30	14	50	169
	027				2	3	1	5	6	9	10	12	13	21	31	16	55	184
	028				2	3	1	5	6	9	10	16	13	22	33	22	59	201
	029				2	3	1	6	6	9	11	17	13	22	37	22	62	211
	030				2	3	1	6	7	9	11	17	14	25	39	23	66	223
	031				2	3	1	6	7	10	11	17	14	25	39	23	72	230
	032				2	3	1	6	7	10	11	17	14	26	39	25	75	236
	033				2	3	1	6	7	10	11	17	14	26	39	25	76	237
	034				2	3	1	6	7	10	11	17	14	27	39	25	78	240
Dec.	019													1				1
	020											1	1	1				3
	021										1	2	1	1	1		1	7
	022		1				1				3	2	1	4	2	1	3	18
	023		1				1	2			4	3	1	6	2	3	4	27
	024		1			1	1	3		1	5	3	4	6	4	3	4	36
	025		1	1		1	2	4	1	1	9	5	4	9	4	4	5	51
	026		1	2	1	1	2	6	1	3	9	6	4	12	7	5	8	68
	027		1	2	1	2	2	6	1	5	10	8	9	15	11	8	11	92
	028		1	2	1	3	2	6	1	7	13	9	12	15	12	9	12	105
	029		1	3	1	3	2	6	2	9	16	11	13	15	15	15	14	126
	030		1	4	1	4	2	6	2	9	19	11	14	17	16	18	18	142
	031		1	4	1	4	2	7	2	10	19	13	16	21	18	20	22	160
	032		1	4	1	4	2	7	4	10	21	15	17	23	23	20	28	180
	033		1	4	1	4	2	7	5	11	23	15	18	25	26	26	38	206
	034		1	4	1	5	2	7	5	13	23	15	18	25	27	27	44	217
	035		1	4	1	5	2	7	5	13	23	17	19	26	28	32	45	228
	036		1	4	1	5	2	7	5	13	23	17	20	26	30	32	49	235
	037		1	4	1	5	2	7	5	13	23	18	20	27	30	34	53	243
	038		1	4	1	5	2	7	5	13	23	18	20	28	30	34	55	246
	039		1	4	1	5	2	7	5	13	23	18	20	28	30	34	57	248

Direction and Speed of Surface Wind

	Direction x 10°	Calm	1-9	10-19	20-29	30-39	40-49	≥ 50	Total
Jan.	35 36 01		0	0	0	0	0	0	0
	02 03 04		2	0	0	0	0	0	2
	05 06 07		5	2	0	0	0	0	7
	08 09 10		6	14	2	0	0	0	22
	11 12 13		10	5[illegible]	55	26	11	1	153
	14 15 16		0	7	6	0	0	0	13
	17 18 19		0	0	0	0	0	0	0
	20 21 22		2	0	0	0	0	0	2
	23 24 25		3	0	0	0	0	0	3
	26 27 28		0	0	0	0	0	0	0
	29 30 31		0	0	0	0	0	0	0
	32 33 34		0	0	0	0	0	0	0
									46
		46	28	73	63	26	11	1	248
Feb.	35 36 01		0	0	0	0	0	0	0
	02 03 04		2	0	0	0	0	0	2
	05 06 07		1	0	0	0	0	0	1
	08 09 10		4	4	3	1	1	0	13
	11 12 13		1	3[illegible]	55	30	34	28	178
	14 15 16		0	2	12	0	0	0	14
	17 18 19		0	0	0	0	0	0	0
	20 21 22		1	0	0	0	0	0	1
	23 24 25		3	0	0	0	0	0	3
	26 27 28		3	0	0	0	0	0	3
	29 30 31		1	0	0	0	0	0	1
	32 33 34		1	0	0	0	0	0	1
									7
		7	17	36	70	31	35	28	224
Mar.	35 36 01		0	0	0	0	0	0	0
	02 03 04		0	0	0	0	0	0	0
	05 06 07		0	0	0	0	0	0	0
	08 09 10		0	1	0	1	0	0	2
	11 12 13		1	31	61	57	21	15	186
	14 15 16		0	12	37	8	1	0	58
	17 18 19		0	0	0	0	0	0	0
	20 21 22		0	0	0	0	0	0	0
	23 24 25		0	0	0	0	0	0	0
	26 27 28		0	0	0	0	0	0	0
	29 30 31		0	0	0	0	0	0	0
	32 33 34		0	0	0	0	0	0	0
									0
		[illegible]	1	44	98	66	22	15	246
Apr.	35 36 01		0	0	0	0	0	0	0
	02 03 04		1	1	0	0	0	0	2
	05 06 07		1	0	0	0	0	0	1
	08 09 10		1	5	0	0	0	0	6
	11 12 13		1	22	80	23	14	4	144
	14 15 16		0	23	47	11	0	0	81
	17 18 19		2	0	1	0	0	0	3
	20 21 22		1	0	0	0	0	0	1
	23 24 25		1	0	0	0	0	0	1
	26 27 28		0	0	0	0	0	0	0
	29 30 31		0	0	0	0	0	0	0
	32 33 34		0	0	0	0	0	0	0
									1
		1	8	51	128	34	14	4	240

FREQUENCY ANALYSES
MAWSON 1961

Direction and Speed of Surface Wind

	Direction x 10°	Calm	1-9	10-19	20-29	30-39	40-49	≥ 50	Total
May.	35 36 01		0	0	0	0	0	0	0
	02 03 04		0	1	0	0	0	0	1
	05 06 07		0	1	0	0	0	0	1
	08 09 10		1	5	1	0	0	0	7
	11 12 13		0	21	48	53	20	1	143
	14 15 16		2	25	36	14	11	1	89
	17 18 19		1	2	0	0	0	0	3
	20 21 22		0	0	0	0	0	0	0
	23 24 25		0	1	0	0	0	0	1
	26 27 28		1	0	0	0	0	0	1
	29 30 31		1	0	0	0	0	0	1
	32 33 34		0	0	0	0	0	0	0
									1
		1	6	56	85	67	31	2	248
Jun.	35 36 01		0	0	0	0	0	0	0
	02 03 04		0	0	0	0	0	0	0
	05 06 07		1	0	0	0	0	0	1
	08 09 10		1	1	2	0	0	0	4
	11 12 13		4	22	46	30	18	20	140
	14 15 16		7	20	22	5	4	0	58
	17 18 19		3	3	0	0	0	0	6
	20 21 22		7	2	0	0	0	0	9
	23 24 25		4	1	0	0	0	0	5
	26 27 28		4	0	0	0	0	0	4
	29 30 31		0	1	0	0	0	0	1
	32 33 34		0	1	0	0	0	0	1
									9
		9	31	51	70	35	22	20	238
Jul.	35 36 01		0	0	0	0	0	0	0
	02 03 04		1	0	0	0	0	0	1
	05 06 07		0	1	0	0	0	0	1
	08 09 10		2	1	1	0	0	0	4
	11 12 13		3	28	61	51	7	3	153
	14 15 16		7	15	18	15	1	0	56
	17 18 19		3	0	1	0	0	0	4
	20 21 22		4	0	0	0	0	0	4
	23 24 25		0	0	0	0	0	0	0
	26 27 28		1	0	0	0	0	0	1
	29 30 31		0	0	0	0	0	0	0
	32 33 34		0	0	0	0	0	0	0
									24
		24	21	45	81	66	8	3	248
Aug.	35 36 01		0	0	0	0	0	0	0
	02 03 04		1	0	0	0	0	0	1
	05 06 07		0	0	0	0	0	0	0
	08 09 10		3	1	0	0	0	0	4
	11 12 13		1	33	47	37	22	16	156
	14 15 16		0	23	30	9	6	1	69
	17 18 19		4	3	0	0	0	0	7
	20 21 22		1	0	0	0	0	0	1
	23 24 25		3	0	0	0	0	0	3
	26 27 28		1	0	0	0	0	0	1
	29 30 31		0	0	0	0	0	0	0
	32 33 34		1	0	0	0	0	0	1
									5
		5	15	60	77	46	28	17	248

Direction and Speed of Surface Wind

	Direction x 10°	Calm	1-9	10-19	20-29	30-39	40-49	≥ 50	Total
Sep.	35 36 01		0	0	0	0	0	0	0
	02 03 04		1	0	0	0	0	0	1
	05 06 07		1	0	0	0	0	0	1
	08 09 10		2	1	2	0	0	0	5
	11 12 13		4	33	88	33	16	16	190
	14 15 16		2	15	10	4	1	0	32
	17 18 19		1	0	0	0	0	0	1
	20 21 22		3	0	0	0	0	0	3
	23 24 25		0	0	0	0	0	0	0
	26 27 28		2	0	0	0	0	0	2
	29 30 31		0	0	0	0	0	0	0
	32 33 34		0	0	0	0	0	0	0
		5	16	49	100	37	17	16	240
Oct.	35 36 01		3	0	0	0	0	0	3
	02 03 04		2	1	0	0	0	0	3
	05 06 07		3	5	0	0	0	0	8
	08 09 10		2	11	6	1	0	0	20
	11 12 13		4	17	43	34	20	5	123
	14 15 16		6	13	16	4	1	0	40
	17 18 19		2	0	2	0	0	0	4
	20 21 22		2	2	0	0	0	0	4
	23 24 25		12	1	0	0	0	0	13
	26 27 28		9	0	0	0	0	0	9
	29 30 31		2	0	0	0	0	0	2
	32 33 34		5	1	0	0	0	0	6
		13	52	51	67	39	21	5	248
Nov.	35 36 01		2	0	0	0	0	0	2
	02 03 04		6	0	0	0	0	0	6
	05 06 07		2	8	0	0	0	0	10
	08 09 10		5	31	7	1	0	0	44
	11 12 13		2	37	68	22	0	0	129
	14 15 16		0	0	11	2	0	0	13
	17 18 19		2	0	0	0	0	0	2
	20 21 22		2	0	0	0	0	0	2
	23 24 25		8	1	0	0	0	0	9
	26 27 28		10	2	0	0	0	0	12
	29 30 31		5	0	0	0	0	0	5
	32 33 34		4	1	0	0	0	0	5
		1	48	80	86	25	0	0	240
Dec.	35 36 01		0	0	0	0	0	0	0
	02 03 04		4	1	0	0	0	0	5
	05 06 07		8	3	0	0	0	0	11
	08 09 10		3	31	7	0	0	0	41
	11 12 13		5	45	64	24	5	0	143
	14 15 16		1	9	12	0	0	0	22
	17 18 19		0	0	0	0	0	0	0
	20 21 22		0	0	0	0	0	0	0
	23 24 25		8	1	0	0	0	0	9
	26 27 28		12	0	0	0	0	0	12
	29 30 31		1	0	0	0	0	0	1
	32 33 34		0	0	0	0	0	0	0
		4	42	90	83	24	5	0	248

Results of Radiosonde Observations.

Temperature at 850 mb

Upper Limit Range - °C	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
533							2						2
530							3	3					6
527					1	1	4	9	4				19
524				2	2	5	12	14	4	2			41
521				8	8	12	12	17	11	11			79
518			7	15	17	16	17	19	16	17	2		126
515		1	17	20	26	18	25	22	19	23	7		178
512	5	5	22	27	30	20	29	25	22	27	24	6	242
509	19	15	26	27	30	22	30	25	23	27	31	27	302
506	23	16	26	27	30	22	30	25	23	27	31	28	308
503	26	17	26	27	30	22	30	25	23	27	31	28	312
000	26	17	26	27	30	22	30	25	23	27	31	29	313

Temperature at 700 mb

536							1						1
533						1	5	1	1				8
530			1		2	1	7	5	2				18
527			5	4	7	3	13	11	4	3			50
524			8	6	15	9	22	19	11	5	3	1	99
521	9	3	19	15	24	16	29	24	17	22	15	13	206
518	18	12	24	24	28	19	30	25	21	25	22	28	276
515	22	12	26	27	30	20	30	25	22	27	30	29	300
512	25	17	26	27	30	20	30	25	23	27	31	29	310
509	25	17	26	27	30	22	30	25	23	27	31	29	312

Temperature at 500 mb

545				1			4						
542			3	2	4	2	15	9	4	1			5
539	1		6	6	11	7	20	17	8	5	2		40
536	4	2	15	16	17	14	25	24	12	15	9	14	83
533	13	3	22	19	21	15	30	24	16	22	16	25	167
530	21	12	25	26	29	17	30	24	18	26	29	28	226
527	24	15	26	27	29	18	30	25	21	27	31	29	285
524	25	17	26	27	30	20	30	25	23	27	31	29	302
521	25	17	26	27	30	21	30	25	23	27	31	29	310
													311

Temperature at 300 mb

569							1						
566							3						1
563						1	18	12	3	5			3
560				2	3	6	24	21	11	9	6		39
557	1		2	8	14	14	30	24	16	19	19	9	82
554	9	5	12	17	24	19	30	25	20	23	27	18	156
551	12	9	22	23	28	21	30	25	23	25	31	29	229
548	21	16	24	24	28	21	30	25	23	25	31	29	278
545	23	17	26	26	29	21	30	25	23	25	31	29	297
542	24	17	26	26	29	21	30	25	23	25	31	29	305
													306

Results of Radiosonde Observations.

Temperature at 200 mb

Upper Limit Range - °C	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
578							2						2
575						2	2	1	1				6
572						3	8	11	14	2			38
569						5	20	16	21	14			76
566					1	6	24	24	22	19	4		100
563					2	10	27	25	22	21	13		120
560					7	19	30	25	23	22	16		142
557				1	15	21	30	25	23	23	24		162
554				6	19	21	30	25	23	24	27	4	179
551			1	11	26	21	30	25	23	25	27	14	203
548	1	1	6	18	28	21	30	25	23	25	29	25	232
545	9	9	22	23	29	21	30	25	23	25	30	29	275
542	19	16	25	23	29	21	30	25	23	25	31	29	296
539	24	17	25	23	29	21	30	25	23	25	31	29	302

Temperature at 150 mb

584								1		1			2
581								1	1	1			3
578							1	1	1	1			4
575							1	8	8	2			19
572						1	13	15	18	4			51
569						2	22	22	21	15			82
566						7	24	24	21	19	2		97
563						15	27	24	22	21	10		119
560					9	20	27	24	22	23	16		141
557				2	14	20	27	24	22	23	21		153
554				5	22	20	27	24	22	24	25		169
551			1	12	27	20	27	24	22	25	27	3	188
548			2	20	28	20	27	24	22	25	27	15	210
545		1	17	22	28	20	27	24	22	25	29	27	242
542	13	13	24	22	28	20	27	24	22	25	31	29	278
539	24	15	24	22	28	20	27	24	22	25	31	29	291
536	24	16	24	22	28	20	27	24	22	25	31	29	292

Temperature at 100 mb

581								2					2
578							6	3	4	1			14
575							10	8	9	2			29
572							14	10	14	5			43
569						4	16	10	14	14			58
566					3	11	16	10	15	17			72
563					8	15	16	10	15	20			84
560				3	14	16	16	10	15	21	7		102
557				5	22	16	16	10	15	21	13		118
554				8	25	16	16	10	15	22	17		129
551			1	20	26	16	16	10	15	23	20		147
548			9	22	26	16	16	10	15	23	23		160
545		2	13	22	26	16	16	10	15	23	27	3	173
542	1	12	20	22	26	16	16	10	15	23	30	20	211
539	20	14	22	22	26	16	16	10	15	23	30	26	240
536	22	15	22	22	26	16	16	10	15	23	30	29	246

Results of Radiosonde Observations.

Temperature at Tropopause

Upper Limit Range - °C	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
584								1		1			2
581						1		1	1	1			4
578						1	2	1	4	1			9
575						2	2	3	7	1			15
572						3	7	7	14	2			33
569					1	5	16	12	19	7	1		61
566				1	3	6	21	21	21	17	7		97
563				2	8	10	25	24	21	21	16		127
560			1	7	16	21	27	24	22	22	23	2	165
557	4	4	6	16	21	21	29	24	23	24	28	10	210
554	10	10	14	21	25	21	29	24	23	24	28	20	249
551	19	14	24	24	28	21	29	24	23	25	30	29	290
548	21	17	26	25	29	21	29	24	23	25	31	29	300
545	23	17	26	26	29	21	29	24	23	25	31	29	303
542	24	17	26	26	29	21	29	24	23	25	31	29	304

Results of Radiosonde Observations.

Geopotential at 850 mb

Upper Limit Range gpDm	Jan.	Feb.	Mar.	Apr.	May.	Jun	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
095							2	1					3
100							2	2					4
105			2	1	2	1	6	5		3	1	1	22
110	1		8	4	6	5	16	15	1	9	3	6	74
115	4	1	13	11	17	11	24	19	9	17	13	18	157
120	14	5	22	23	24	16	29	22	16	26	23	28	248
125	23	14	25	25	29	18	29	23	21	27	29	29	292
130	25	16	26	27	30	18	29	23	22	27	31	29	303
135	25	17	26	27	30	19	30	24	23	27	31	29	308
140	25	17	26	27	30	22	30	25	23	27	31	29	312
145	26	17	26	27	30	22	30	25	23	27	31	29	313

Geopotential at 700 mb

230							1						1
235							3						3
240							4	2					6
245				1		1	6	6					14
250			1	4	3	3	14	12	2	3	1		43
255	1		10	6	13	9	22	19	7	11	3	7	108
260	4		15	12	17	15	27	22	13	21	13	12	171
265	13	4	23	23	25	16	29	23	16	25	22	24	243
270	20	11	25	26	30	18	29	23	22	26	27	29	286
275	25	16	26	27	30	18	29	23	22	27	31	29	303
280	25	16	26	27	30	19	30	24	23	27	31	29	307
285	25	17	26	27	30	20	30	25	23	27	31	29	310
290	25	17	26	27	30	22	30	25	23	27	31	29	312

Geopotential at 500 mb

460							1						1
465							3						3
470							3						3
475							4	1					5
480				2	2	2	7	6	1				14
485			3	4	7	7	12	13	2	1			34
490	1		9	7	10	9	20	17	4	5			67
495	2		16	11	17	12	22	21	7	9	3	4	102
500	4	1	22	18	23	15	28	23	11	21	10	10	161
505	13	4	23	24	26	17	28	23	15	23	18	24	214
510	21	10	24	27	28	17	29	23	18	25	22	27	251
515	24	15	25	27	30	18	29	23	22	26	28	29	284
520	25	16	26	27	30	18	30	24	22	27	30	29	300
525	25	17	26	27	30	18	30	24	22	27	31	29	305
530	25	17	26	27	30	18	30	25	23	27	31	29	308
535	25	17	26	27	30	19	30	25	23	27	31	29	309
540	25	17	26	27	30	20	30	25	23	27	31	29	310
545	25	17	26	27	30	21	30	25	23	27	31	29	311

Results of Radiosonde Observations.

Geopotential at 300 mb

Upper Limit Range gpDm	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
790							1						1
800							4	2					6
810							6	7	1				14
820				2	3	4	19	15	4	1			49
830			5	6	10	10	22	22	8	11	2	1	97
840	2		16	12	18	12	28	23	13	19	11	15	169
850	10	3	22	21	24	16	29	23	16	23	21	27	235
860	21	10	23	26	29	17	30	24	21	24	29	28	282
870	22	14	24	26	29	18	30	24	22	25	30	29	293
880	24	17	25	26	29	18	30	25	23	25	31	29	302
890	24	17	25	26	29	21	30	25	23	25	31	29	305
900	24	17	26	26	29	21	30	25	23	25	31	29	306

Geopotential at 200 mb

1040							1						1
1050							6	3					9
1060							15	11	2				28
1070				1	1	4	22	18	5	2			53
1080				3	4	9	29	23	12	13	4		97
1090				6	12	13	29	23	14	21	10	2	130
1100			10	10	23	16	30	24	17	23	15	16	184
1110	2		19	19	29	17	30	24	21	24	25	27	237
1120	14	4	24	23	29	18	30	24	23	25	30	28	272
1130	22	13	24	23	29	18	30	25	23	25	31	29	292
1140	23	15	25	23	29	21	30	25	23	25	31	29	299
1150	24	17	25	23	29	21	30	25	23	25	31	29	302

Geopotential at 150 mb

1220							3	2					5
1230							13	10	2				25
1240							19	17	5	2			43
1250				1	1	5	27	21	13	9	1		78
1260				2	2	11	27	21	14	16	6		99
1270				5	7	13	27	23	18	22	11		126
1280				7	18	16	27	23	21	25	15	2	154
1290			6	13	28	16	27	24	22	25	20	13	194
1300			18	20	28	17	27	24	22	25	28	26	235
1310	9	1	22	22	28	20	27	24	22	25	31	29	260
1320	21	11	24	22	28	20	27	24	22	25	31	29	284
1330	22	14	24	22	28	20	27	24	22	25	31	29	288
1340	23	15	24	22	28	20	27	24	22	25	31	29	290
1350	24	16	24	22	28	20	27	24	22	25	31	29	292

Results of Radiosonde Observations.

Geopotential at 100 mb

Upper Limit Range gpDm	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
1450							1						1
1460							6	2	1				9
1470							8	5	2				15
1480							12	8	7	2			29
1490							16	9	8	8			41
1500					1	6	16	9	9	13	1		55
1510				1	2	8	16	9	12	19	6		73
1520				4	5	10	16	10	14	21	11		91
1530				5	11	12	16	10	15	22	13		104
1540				6	23	12	16	10	15	23	15		120
1550				9	26	13	16	10	15	23	21	4	137
1560			7	18	26	16	16	10	15	23	25	12	168
1570			17	22	26	16	16	10	15	23	28	25	198
1580	2		21	22	26	16	16	10	15	23	30	29	210
1590	14	9	22	22	26	16	16	10	15	23	30	29	232
1600	20	12	22	22	26	16	16	10	15	23	30	29	241
1610	20	14	22	22	26	16	16	10	15	23	30	29	243
1620	22	14	22	22	26	16	16	10	15	23	30	29	245
1630	22	15	22	22	26	16	16	10	15	23	30	29	246

Geopotential at Tropopause

650				1									1
700			1	1	3								5
750	3	2	4	4	6				1		1		21
800	8	3	14	8	8		4		1		1	7	54
850	19	8	18	13	12	3	4	1	1	1	2	22	104
900	21	9	23	18	17	7	8	6	1	5	5	25	145
950	23	16	25	21	22	10	16	10	3	8	14	27	195
1000	24	17	26	26	27	15	22	17	7	14	26	29	250
1050	24	17	26	26	29	17	25	20	9	18	29	29	269
1100	24	17	26	26	29	17	29	22	14	23	31	29	287
1150	24	17	26	26	29	19	29	23	19	24	31	29	296
1200	24	17	26	26	29	21	29	23	21	24	31	29	300
1250	24	17	26	26	29	21	29	24	22	24	31	29	302
1300	24	17	26	26	29	21	29	24	22	25	31	29	303
1350	24	17	26	26	29	21	29	24	23	25	31	29	304

Pressure at Tropopause

Upper Limit Range - mb													
150									2	1			3
200						2	4	5	13	6			30
250		1	1	4	6	11	18	15	21	18	17	1	113
300	11	10	11	18	21	21	28	24	22	25	30	19	240
350	22	15	23	23	25	21	29	24	23	25	30	29	289
400	24	17	26	26	29	21	29	24	23	25	31	29	304

FREQUENCY ANALYSES
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Station Level Pressure

Upper Limit Range - mb	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov	Dec.	Total
940					2								2
945					3								3
950					4								4
955		1		4	5	2		4					16
960	3	3		8	8	3	4	26					55
965	7	10	1	14	17	5	18	47	1	4	6	5	135
970	10	16	11	21	35	2	41	69	5	23	24	14	281
975	14	21	35	43	58	26	85	105	15	88	67	25	582
980	67	40	89	76	97	59	123	133	72	164	120	83	1123
985	115	51	156	132	140	111	147	148	120	214	167	190	1691
990	191	83	206	162	181	152	177	174	182	246	207	241	2202
995	241	138	226	205	224	177	220	204	214	246	236	248	2579
1000	246	181	232	230	240	209	236	223	220	246	239	248	2750
1005	246	198	238	238	247	223	247	248	225	246	239	248	2843
1010	246	207	246	238	247	235	247	248	240	246	239	248	2887
1015	246	222	246	238	247	238	247	248	240	246	239	248	2905

Maximum Temperature

Upper Limit Range - °F													
509							1						1
506							1	1					2
505						2	1	1					4
504						2	2	1					5
503						2	2	1		4			9
502						3	3	1		6			13
501						3	3	1		7			14
000						3	3	2		7			15
002						4	4	5		7			20
003						5	4	6		8			23
004					1	7	4	7		8			27
005					2	7	4	7		8			28
006					2	8	5	8	1	8			32
007					2	9	5	8	2	8			34
008				1	4	9	5	9	3	9			40
009				2	4	9	5	9	4	9			42
010				2	5	10	5	10	6	10			48
012				2	6	10	6	10	6	11			51
013				3	6	12	6	10	6	11			54
014				4	7	12	6	10	8	11			58
015				4	10	15	6	10	12	12			69
016				6	12	16	7	10	12	12			75
017				8	13	17	9	10	13	13			83
018				11	13	17	13	11	14	15			94
019			1	15	14	17	14	13	17	17	1		109
020			1	16	16	17	16	16	18	19	2		121
021			1	18	16	17	18	17	22	22	4		135
022			4	18	17	18	20	19	23	25	4		148
023			5	20	22	18	20	23	23	26	5		162
024			6	23	24	19	21	26	24	26	8		177
025		1	8	23	24	22	22	26	24	27	10		187
026		1	10	27	25	25	23	28	24	27	11		201
027		2	13	28	27	25	25	28	27	27	15		217
028		3	16	28	27	26	28	29	28	28	15	1	229
029		6	19	30	28	26	29	29	28	29	16	3	243
030		7	21	30	29	26	29	30	28	31	18	5	254
031		7	25	30	30	27	29	31	28	31	19	6	263
032	1	9	27	30	31	29	29	31	29	31	23	10	280
033	4	11	30	30	31	29	30	31	29	31	25	15	296
034	9	17	31	30	31	29	30	31	30	31	25	21	315
035	15	20	31	30	31	29	31	31	30	31	25	27	331
036	22	24	31	30	31	29	31	31	30	31	26	29	345
037	23	26	31	30	31	29	31	31	30	31	26	29	348
038	27	27	31	30	31	29	31	31	30	31	27	30	355
039	28	28	31	30	31	29	31	31	30	31	28	30	358
040	29	28	31	30	31	29	31	31	30	31	29	31	361
041	30	28	31	30	31	30	31	31	30	31	29	31	363
042	30	28	31	30	31	30	31	31	30	31	30	31	364

Minimum Temperature

Upper Limit Range - °F	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
527							1						1
524							2	1					3
522						1	2	2					5
520						1	2	2		2			7
519						3	2	2		3			10
518						4	2	3		5			14
517						4	3	3		6			16
516						4	3	3		7			17
515						5	3	4	1	7			20
514						6	4	8	1	8			27
513						8	4	8	2	8			30
512						9	4	8	2	9			32
511						11	5	9	2	9			36
510					1	13	5	9	2	10			40
509					1	14	5	9	3	11			43
508					2	15	5	10	3	11			46
507					3	16	5	10	3	13			50
506					3	16	5	10	4	13			51
505				1	4	16	5	10	4	13	1		54
504				1	5	16	6	10	4	14	2		58
503				2	5	16	6	10	7	14	2		62
502				2	5	16	8	10	8	15	3		67
501				3	5	16	10	10	9	15	3		71
000				4	9	17	11	11	11	18	3		84
001				5	11	17	12	11	14	20	3		93
002				5	12	18	14	12	16	20	6		103
003				8	12	19	15	14	16	21	6		111
004				10	13	19	15	14	17	22	6		116
005				10	13	21	16	14	18	22	7		121
006				11	15	21	19	20	19	25	9		139
007				17	15	22	21	20	19	25	11		150
008				17	16	23	23	21	21	26	11		158
009			1	20	16	24	23	21	23	27	11		166
010			1	20	19	24	23	22	23	30	12		174
011		1	2	20	20	25	24	23	25	30	15		185
012		2	5	22	21	25	24	26	26	30	16		197
013		3	6	22	24	26	26	27	27	30	19		210
014		3	6	24	25	27	27	27	27	30	19	2	217
015		3	8	24	27	28	27	29	27	30	19	5	227
016		4	13	24	27	28	27	29	27	31	20	11	241
017		4	17	26	28	28	27	29	28	31	20	12	250
018		4	23	26	28	28	28	29	28	31	21	14	260
019		5	24	26	29	28	28	31	29	31	21	15	267
020		5	26	27	29	28	29	31	29	31	23	16	274
021		8	26	28	30	28	29	31	29	31	25	18	283
022		9	27	30	30	28	29	31	29	31	26	20	290
023	1	12	28	30	31	29	30	31	29	31	26	21	299
024	2	13	29	30	31	29	31	31	29	31	27	26	309
025	6	15	30	30	31	29	31	31	30	31	27	28	319
026	7	16	31	30	31	30	31	31	30	31	29	31	328
027	12	21	31	30	31	30	31	31	30	31	30	31	339
028	17	23	31	30	31	30	31	31	30	31	30	31	346
029	20	25	31	30	31	30	31	31	30	31	30	31	351
030	25	26	31	30	31	30	31	31	30	31	30	31	357
031	29	28	31	30	31	30	31	31	30	31	30	31	363
034	30	28	31	30	31	30	31	31	30	31	30	31	364

Speed of Maximum Wind Gust

Upper Limit Range - Knots	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
00	1												1
10	3	4	4	2	3	2	1	1	2	5	2	3	32
20	16	10	13	18	11	9	5	7	17	19	15	18	158
30	21	12	18	22	16	15	7	11	22	26	20	23	213
40	24	16	21	26	19	19	11	17	23	26	21	27	250
50	26	20	24	27	22	24	13	19	26	28	23	31	283
60	30	24	27	28	22	25	18	23	27	29	25	31	309
70	31	25	30	29	27	26	24	25	29	29	27	31	333
80	31	27	31	30	29	29	27	27	29	30	29	31	350
90	31	28	31	30	29	30	29	28	30	30	30	31	357
100	31	28	31	30	31	30	31	31	30	30	30	31	364

Daily Duration of Sunshine

Upper Limit Range - Hours							
00	4	8	15	25	30	25	107
01	6	11	20	26	30	25	118
02	7	16	23	30	30	25	131
03	8	16	25	30	30	25	134
04	9	18	25	31	30	25	138
05	10	19	27	31	30	25	142
06	10	22	28	31	30	25	146
07	11	24	29	31	30	25	150
08	12	24	30	31	30	25	152
09	12	25	30	31	30	25	153
10	12	26	30	31	30	25	154
11	12	26	30	31	30	25	154
12	13	26	30	31	30	25	155

Daily Amount of Precipitation

Range - Points													
000	25	25	22	24	28	21	22	25	20	28	27	26	293
005	26	28	25	25	30	22	24	28	23	31	29	29	320
010	27	28	26	25	31	26	25	30	24	31	29	31	333
020	28	28	31	28	31	27	28	30	26	31	30	31	349
030	31	28	31	28	31	29	29	31	26	31	30	31	356
040	31	28	31	29	31	29	30	31	26	31	30	31	358
050	31	28	31	29	31	29	31	31	28	31	30	31	361
060	31	28	31	30	31	29	31	31	28	31	30	31	362
070	31	28	31	30	31	29	31	31	28	31	30	31	362
080	31	28	31	30	31	29	31	31	28	31	30	31	362
090	31	28	31	30	31	30	31	31	28	31	30	31	363
100	31	28	31	30	31	30	31	31	28	31	30	31	363
110	31	28	31	30	31	30	31	31	28	31	30	31	363
120	31	28	31	30	31	30	31	31	29	31	30	31	364
130	31	28	31	30	31	30	31	31	30	31	30	31	365

FREQUENCY ANALYSES
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Screen Temperature v Dew Point Depression

Dew Point Depression

	°F	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	>14	Total
Jan.	024							1										1
	025						1	2			1	1						5
	026					1	1	2			1	1						6
	027	1				1	1	3	1	1	1	2						11
	028	2	1		4	2	4	5	2	1	2	2						25
	029	4	2	2	6	2	6	6	2	2	4	2	2					40
	030	6	4	6	6	8	10	10	4	2	6	2	6		1		1	72
	031	8	4	9	11	10	14	14	5	4	9	5	7		1		1	102
	032	9	9	11	15	12	19	20	7	10	13	7	8	1	2		1	144
	033	15	10	13	21	12	23	21	11	13	17	7	11	4	2		3	183
	034	15	10	13	23	14	30	25	12	15	21	8	12	8	2	1	4	213
	035	15	10	13	25	14	34	27	13	17	21	9	14	8	3	1	4	228
	036	15	10	13	25	14	34	28	14	17	22	9	16	8	4	1	5	235
	037	15	10	13	25	14	34	28	15	18	22	9	16	10	5	2	6	242
	038	15	10	13	25	14	34	28	17	18	22	10	16	10	5	2	6	245
	040	15	10	13	25	14	34	28	17	18	22	10	16	10	5	2	7	246
Feb.	013								1									1
	014								2									2
	015				1	1			3									5
	016				1	1		1	3									6
	017				1	1		1	5								1	9
	019				1	2		1	6	1							1	12
	020				1	2	1	1	7	3							1	16
	021				1	2	1	1	8	3	1						1	18
	022	1			2	2	1	4	11	5	1						2	29
	023	1		1	2	3	1	5	11	6	1						2	33
	024	1		2	3	4	1	5	12	6	1					1	2	38
	025	2	1	3	3	6	2	6	13	6	1					1	2	46
	026	5	2	3	4	8	5	8	15	7	1					1	2	61
	027	6	4	5	6	10	5	8	15	7	3		1			1	3	74
	028	8	6	9	9	13	6	12	15	8	3		1		1	1	3	95
	029	8	7	12	11	17	7	12	16	9	4		2	1	1	1	3	111
	030	10	7	13	18	20	16	17	18	10	4		2	2	1	1	3	142
	031	10	8	14	18	21	19	17	19	15	4	1	3	2	1	1	3	156
	032	10	8	16	23	23	22	19	22	18	6	1	3	2	1	1	5	180
	033	11	8	16	26	25	29	20	27	19	7	1	3	2	1	1	6	202
	034	11	9	16	27	27	3	20	28	19	8	2	3	2	1	1	6	210
	035	11	9	16	27	28	31	20	29	20	10	2	4	2	1	1	6	216
	036	11	9	16	27	29	31	20	29	20	10	2	5	2	1	1	6	219
	037	11	9	16	27	29	31	20	29	20	10	3	5	2	1	1	6	220
	038	11	9	16	27	29	31	20	29	20	10	3	5	2	1	2	6	221
	039	11	9	16	27	29	31	20	29	20	11	3	5	2	1	2	6	222
Mar.	011		1															1
	013		1				1											2
	014		1			2	1		1									5
	015		1		1	2	2		1									7
	016		1		2	3	3	1	1									11
	017		1		3	4	3	1	2	1	1							16
	018		2		5	6	5	3	3	1	2							27
	019		3	4	9	6	6	4	7	2	3		1		2			47
	020	2	5	6	16	11	7	4	8	4	3	1	1	1	2			71
	021	2	6	10	18	20	9	7	12	4	5	1	2	1	3			100
	022	3	8	12	19	22	9	8	14	4	5	2	2	2	3		1	114
	023	10	8	12	20	24	13	9	16	4	7	3	2	3	3		1	135
	024	11	10	13	22	25	14	10	18	4	7	3	2	3	3		1	146
	025	13	11	15	25	26	14	11	19	6	7	3	2	3	3		1	159
	026	14	13	19	29	28	14	14	19	8	7	3	2	3	3		1	177
	027	17	13	21	31	31	16	16	20	8	8	3	2	3	3		1	193
	028	19	16	22	38	31	16	18	21	8	9	4	2	3	3		1	211
	029	23	19	26	42	31	17	18	21	8	9	4	2	3	3		1	227
	030	24	20	31	43	31	17	19	21	8	9	4	2	3	3		1	236
	031	24	20	32	44	31	19	19	21	8	9	5	2	3	3		1	241
	032	24	20	32	44	31	2	19	21	9	9	5	2	3	3		1	243
	033	24	20	32	44	31	2	21	21	9	9	5	2	3	3		1	245

FREQUENCY ANALYSES
WILKES 1961

Screen Temperature v Dew Point Depression

Dew Point Depression

	°F	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	>14	Total
Apr.	501		1	1														2
	000		1	1	1			1										4
	001		1	1	1		1	1										5
	002		2	1	1		2	2										8
	003		2	3	1		2	2										10
	004		2	4	1		2	3	1									13
	005	1	2	5	3	2	4	3	1									21
	006	1	2	5	3	3	6	4	1									25
	007	1	2	5	3	4	6	4	1	1								27
	008	1	2	5	4	7	6	4	2	2								33
	009	1	2	5	6	8	9	6	3	2								42
	010	1	2	6	6	11	10	9	3	3	1							52
	011	1	2	6	7	12	14	11	4	4	1			1				63
	012	1	2	7	11	15	17	12	5	5	1	1		1				78
	013	1	2	8	13	19	17	13	6	7	1	1		1				89
	014	1	3	10	13	21	19	14	6	10	1	1		1				100
	015	1	3	14	16	22	21	15	7	10	2	2		1				114
	016	1	3	15	21	25	25	18	8	10	2	2		1				131
	017	1	4	16	24	27	26	19	9	10	3	2		1				142
	018	2	6	17	30	29	27	21	10	10	3	4		1				160
	019	2	8	19	32	33	29	21	11	11	3	4		1				174
	020	2	8	20	33	39	31	22	11	12	3	4		1				186
	021	5	9	21	36	42	31	23	11	12	3	4		1				198
	022	7	10	22	37	45	32	24	12	12	3	4		1				209
	023	7	13	23	37	46	35	25	12	12	3	4		1				218
	024	8	16	24	37	46	35	26	12	12	3	4		1				224
	025	8	16	25	39	46	35	26	12	12	4	4		1				228
	026	8	17	26	41	47	35	26	12	12	4	4		1				233
	027	9	17	26	43	47	35	26	12	12	4	4		1				236
	028	9	18	26	44	47	35	26	12	12	4	4		1				238
May.	508				1													1
	507				2													2
	505				2		1											3
	504		1		2		1											4
	503		1	1	3		1					1						7
	501		1	2	3	2	1	1				1						11
	000		1	3	4	2	1	3	1		1	1						17
	001		2	4	4	2	3	5	1		1	1	1					24
	002		2	5	5	2	5	10	1		1	1	1					33
	003		3	6	5	3	6	12	2	2	2	1	1					43
	004		3	8	6	3	8	14	3	2	2	1	1					51
	005		3	8	6	4	13	17	3	3	2	1	1					61
	006	1	3	8	6	5	14	18	5	4	2	1	1					68
	007	1	4	9	7	5	15	18	5	4	2	1	1					72
	008	1	4	9	7	5	16	19	6	4	2	1	1					75
	009	1	4	10	7	5	17	19	6	4	2	2	1					78
	010	1	4	11	8	5	17	20	6	4	3	2	1					82
	011	2	4	12	9	5	19	21	6	4	3	2	1					88
	012	2	6	12	9	7	22	21	6	5	4	2	1					97
	013	3	8	14	9	7	24	22	6	6	5	2	1					107
	014	3	9	16	15	9	26	23	8	6	5	2	1					123
	015	7	10	16	16	11	26	25	8	6	5	3	1					134
	016	8	13	18	17	14	28	25	8	7	6	3	1				1	149
	017	11	13	18	17	15	28	25	8	7	6	3	1				1	153
	018	13	15	19	18	16	29	26	9	8	6	4	1				1	165
	019	15	20	20	21	18	3	27	10	8	6	4	1				1	181
	020	15	23	22	23	21	31	27	11	9	7	4	1				1	195
	021	15	24	22	23	22	31	27	11	9	7	5	1				1	198
	022	20	24	23	24	23	32	27	12	9	7	5	2				1	208
	023	20	25	25	27	23	32	28	13	9	7	5	2				1	217
	024	20	25	28	27	23	32	28	13	9	7	5	2				1	220
	025	22	25	28	28	23	33	28	13	9	7	6	2				1	223
	026	22	28	28	28	23	33	28	13	9	7	6	2	1			1	228
	027	24	29	33	28	23	33	28	13	9	7	6	2	1			1	237
	028	24	29	33	28	24	33	28	13	9	7	6	2	1			1	238
	029	24	29	35	28	24	33	28	13	9	7	6	2	1			1	240
	030	24	29	35	29	24	33	28	13	9	7	6	2	1			1	241
	031	24	29	35	29	24	33	28	14	9	7	6	2	1			1	242

Screen Temperature v Dew Point Depression

Dew Point Depression

	°F	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	>14	Total
Jun.	520									1								1
	518								1	1								2
	517						1		1	1								3
	516				1		2		1	1		1						6
	514				3	1	2		1	1	1	1						10
	513				4	2	3		1	2	1	1						13
	512				4	3	4		2	3	1	1						15
	511		1		5	4	4		2	3	2	1						18
	510		1	1	6	4	5		4	3	2	1						22
	509		1	1	10	6	6	1	7	3	2	2						27
	508		2	1	10	8	7	2	7	3	2	3						39
	507		2	1	14	11	11	3	8	3	2	3						45
	506		2	2	17	13	13	6	8	3	2	3						58
	505	1	2	3	21	13	13	7	9	3	2	3						69
	504	2	2	3	21	15	13	7	9	4	2	3						77
	503	2	3	4	22	16	14	8	9	4	2	3						81
	502	2	4	4	22	18	15	8	9	4	2	3						87
	501	2	4	4	23	18	16	8	9	4	2	3						91
	000	3	4	4	23	18	16	8	9	5	2	3						93
	001	3	4	4	23	20	16	8	9	5	2	3						96
	002	3	5	4	23	20	16	8	9	5	2	3						98
	003	3	5	4	25	21	15	9	10	5	2	3						99
	004	3	5	7	25	21	18	10	10	6	2	3						104
	005	3	5	8	25	22	18	10	10	6	2	3						110
	006	3	6	9	25	24	18	10	10	6	2	3						112
	007	4	6	10	25	24	18	10	10	6	3	3						117
	008	5	6	11	25	24	19	10	10	6	3	3						119
	009	6	7	13	26	25	21	10	11	6	3	3					1	123
	010	11	9	14	26	27	22	10	11	6	3	3					1	131
	011	11	9	14	26	27	22	10	12	6	3	3					1	141
	012	12	9	16	26	27	22	11	12	6	4	3					1	142
	013	14	9	18	26	28	22	12	12	6	4	3					1	147
	014	15	10	19	27	28	23	13	12	6	4	3					1	153
	015	15	12	20	28	28	23	13	12	6	4	3					1	161
	016	15	13	22	28	28	23	13	12	6	4	3					1	165
	017	17	13	22	28	29	23	13	12	6	5	3					1	169
	018	17	14	24	29	29	23	13	12	6	5	3					1	172
	019	17	15	27	29	30	23	13	12	6	5	3					1	176
	020	17	17	27	29	30	23	13	12	6	5	3					1	181
	021	19	19	27	30	32	23	14	12	6	5	3					1	183
	022	19	20	27	30	32	23	14	12	6	5	3					1	191
	023	22	20	27	30	32	23	14	13	6	5	3					1	192
	024	23	21	27	31	32	23	14	13	6	5	3					1	196
	025	23	23	28	31	32	23	14	13	6	5	3					1	199
	026	24	23	28	31	32	23	14	13	6	5	3					1	202
	027	25	24	28	31	32	23	14	13	6	5	3					1	203
	028	28	28	29	31	32	23	14	13	6	5	3					1	205
	029	34	29	29	31	32	23	14	13	6	5	3					1	213
	030	34	30	29	31	32	23	14	13	6	5	3					1	220
	031	35	31	29	31	32	23	14	13	5	5	3					1	221
	032																	223

Screen Temperature v Dew Point Depression

Dew Point Depression

	°F	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	> 14	Total
Jul.	526						1											1
	522						1	1										2
	521						1	2										3
	518					1	4	2										7
	517				1	1	4	2										8
	516				1	1	4	3										9
	513			1	3	1	4	3										12
	512			2	4	2	4	4										16
	511	1		2	4	3	4	4										18
	510	1		3	5	3	5	5										22
	509	2		3	5	3	5	5										23
	508	2		3	5	4	5	5										24
	507	3		4	5	5	6	5										28
	506	3		5	5	5	6	5										29
	505	3		6	6	5	6	5										31
	502	3		7	8	5	6	5										34
	501	3		7	9	5	6	5										35
	000	3		9	9	5	6	5										37
	001	3	1	11	9	5	6	6				1						42
	002	3	2	11	10	5	6	6				1						44
	003	4	4	13	10	5	7	6				1						50
	004	7	5	13	10	5	7	6				1						54
	005	8	6	13	11	5	7	6				1						57
	006	9	7	14	12	6	7	7				1						63
	007	11	8	14	13	7	7	7				1						68
	008	13	10	14	14	9	7	7				1						75
	009	18	10	17	14	9	7	7				1						83
	010	21	12	20	16	9	8	8				1						95
	011	23	14	20	16	9	8	9				1						100
	012	24	14	23	17	9	9	9	1			1						107
	013	26	17	26	21	9	9	9	1	1		1						120
	014	29	19	29	21	9	9	9	1	1		1						128
	015	31	19	31	21	9	9	10	1	1		1						133
	016	34	19	31	25	10	9	11	1	1		1						142
	017	37	22	31	28	10	9	11	1	2		1						152
	018	38	23	34	30	10	10	11	1	2		1						160
	019	38	23	35	31	12	11	11	1	2		1						165
	020	40	23	36	32	13	11	11	1	3		1						171
	021	40	24	41	33	14	11	11	2	5		1						182
	022	41	25	42	34	14	11	11	2	5		1						186
	023	41	27	42	35	15	11	11	2	5		1						190
	024	41	30	43	37	15	12	11	2	5		1						197
	025	41	30	43	39	15	12	11	2	5		1						199
	026	41	30	43	40	15	12	11	2	5		1						200
	027	41	30	44	40	15	12	11	2	5		1						201
	028	41	30	45	40	15	12	11	2	5		1						202
	029	41	30	45	41	15	12	11	2	5		1						203
	030	41	30	47	41	15	12	11	2	5		1						205
	031	41	30	48	41	15	12	11	2	5		1						206
	033	41	30	48	41	15	13	11	2	5		1						207

Screen Temperature v Dew Point Depression

Dew Point Depression

	°F	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	>14	Total
Aug.	519			1			1											2
	518			1	1		2		2									6
	517			1	1		3	1	2									8
	516			1	2	1	3	2	2									11
	515			1	2	1	4	2	2									12
	514			1	3	1	4	2	2									13
	513			1	4	2	5	2	3									17
	512			3	5	2	5	2	4									21
	511			3	6	2	6	3	4		1							25
	510		1	3	6	4	6	4	4		1							29
	509		1	3	6	4	8	5	4		1							32
	508		1	3	6	5	8	6	6		1							36
	507		1	4	6	7	8	6	6		1							39
	506		2	5	6	9	8	6	6		1							43
	505	1	2	7	7	10	8	6	6		1							48
	504	3	2	8	7	10	8	6	6		1							51
	503	3	3	14	7	12	9	6	6		1							61
	502	3	4	17	7	14	10	6	6		1							68
	501	3	5	18	7	14	11	6	6		1							70
	500	3	6	20	7	14	10	6	6		1							73
	002	3	6	20	9	14	10	6	6		1							75
	003	3	6	20	9	14	10	6	6		2							76
	004	3	6	21	9	14	10	6	6		2							77
	006	5	6	21	9	14	10	7	6		2							80
	007	6	6	22	9	14	10	7	6	1	2							83
	008	8	6	24	11	15	10	8	6	3	2							93
	009	8	6	26	13	16	10	9	6	3	2							99
	010	8	6	26	14	17	11	9	7	3	2							103
	011	9	6	26	14	17	11	9	8	3	2							105
	012	10	6	28	15	21	12	9	8	3	2							114
	013	10	7	30	18	24	13	12	9	3	2							128
	014	14	7	34	19	26	13	14	10	4	2							143
	015	16	9	35	20	26	13	14	11	4	2			1				151
	016	20	11	36	20	27	13	14	11	4	2			1				159
	017	23	13	38	21	30	14	14	11	4	2			1				171
	018	29	18	40	22	32	14	14	12	4	2			1				188
	019	33	18	46	24	32	16	14	12	4	2			1				202
	020	39	19	49	25	33	16	15	13	4	2			1				216
	021	42	20	50	27	33	18	15	13	4	2			1				225
	022	43	20	51	29	33	18	17	13	4	2			1				231
	023	44	21	52	30	33	18	17	13	4	2			1				235
	024	45	21	53	31	33	18	17	13	5	2			1				239
	026	45	21	53	33	33	18	17	13	5	2			1				241
	027	45	22	53	33	33	18	17	13	5	2			1				242
	030	45	22	53	33	33	19	17	13	5	2			1				243
Sep.	511						2											2
	510						3											3
	509		1				3											4
	506		1				4	1	1									7
	505		1				5	1	1		3							11
	502		1				5	1	1		4							12
	500	1	2				7	1	1		4		1	1				18
	001	1	2	2	2	1	7	1	2		4		1	1				24
	002	1	3	3	3	3	9	2	3	1	4		1	1				34
	003	1	3	5	3	3	9	2	4	1	4		1	1				37
	004	1	4	6	4	4	10	3	5	1	4		1	1				44
	005	3	6	8	7	4	11	4	6	1	4	2	1	1				58
	006	4	7	9	8	6	11	6	7	1	4	3	3	1				70
	007	6	10	12	11	8	11	6	7	1	4	3	3	1				83
	008	7	13	13	12	9	11	8	7	2	4	3	3	1				93
	009	8	14	16	12	12	12	9	7	3	4	3	3	1				104
	010	9	15	21	12	14	12	10	7	3	4	3	3	1				114
	011	9	17	25	16	19	13	11	8	3	4	3	3	1				132
	012	10	17	26	18	21	13	12	8	3	4	3	3	1				139
	013	13	17	26	18	24	13	12	8	3	4	3	3	1				145
	014	18	21	26	20	24	13	14	8	3	4	3	3	1				158
	015	20	28	28	22	25	13	15	8	3	4	3	3	1				173
	016	21	28	30	23	26	13	15	8	3	4	3	3	1				178
	017	21	30	31	23	29	14	16	9	3	4	3	3	1				187
	018	21	30	34	26	29	14	16	9	3	4	3	3	1				193
	019	22	32	36	26	29	14	16	9	3	4	3	3	1				198
	020	24	34	36	28	30	14	17	9	3	4	3	3	1				206
	021	25	36	37	31	30	14	17	9	3	4	3	3	1				213
	022	25	38	38	31	31	14	18	9	3	4	3	3	1				218
	023	25	38	40	33	31	14	19	9	3	4	3	3	1				223
	024	26	40	40	34	31	14	20	9	3	4	3	3	1				228
	025	26	40	40	35	31	15	20	9	3	4	3	3	1				230
	026	26	40	41	35	31	15	20	9	3	4	3	3	1				231
	027	26	41	41	35	31	15	20	9	3	4	3	3	1				232
	028	26	42	43	35	32	15	20	9	3	4	3	3	1				236
	029	26	44	43	35	32	15	20	9	3	4	3	3	1				238
	030	26	44	44	36	32	15	20	9	3	4	3	3	1				240

Screen Temperature v Dew Point Depression

Dew Point Depression

	°F	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	>14	Total
Oct.	519								1									1
	517					1			2									3
	516				2	1			2		1							6
	515				2	2		2	3		1							10
	514				2	3		2	4		1							12
	513			1	2	4		3	4		1			1				16
	512		3	3	2	4		3	4	1	1		1	1				23
	511		3	3	2	4		4	6	1	1		1	1				26
	510		3	4	2	6		6	6	1	1		1	1				31
	509		3	5	2	6		6	6	1	1		1	1				32
	508	1	3	7	3	6	1	6	6	1	1		1	1				37
	507	1	3	7	4	6	1	6	6	1	1		1	2				39
	506	2	3	7	5	7	3	6	7	2	1		1	2				46
	505	2	3	9	8	10	4	6	7	3	3		1	2				58
	504	3	3	11	8	10	4	7	9	3	4		1	2				65
	503	3	3	11	9	10	4	8	9	3	5		1	2				68
	502	3	3	13	10	10	5	8	9	3	5		1	2				72
	501	3	3	14	10	10	5	8	11	3	6		1	2				76
	500	3	3	14	10	11	6	8	12	3	6	1	1	2				80
	001	3	3	14	10	12	7	8	12	3	6	1	1	2				82
	002	4	3	14	12	12	7	9	13	3	7	1	1	2				88
	003	4	4	14	13	12	7	9	14	3	7	1	1	2				91
	004	4	5	15	13	12	8	10	15	3	7	1	1	2				96
	005	4	5	16	13	12	8	10	15	3	8	1	1	2				98
	006	5	5	16	13	12	8	11	15	3	8	1	1	2				100
	007	5	5	19	13	15	10	15	15	3	8	1	1	2				112
	008	5	5	19	14	16	10	15	17	5	8	1	1	2				118
	009	5	5	19	15	17	12	15	18	5	9	1	1	2				124
	010	5	5	19	15	18	14	15	19	5	9	1	1	2				128
	011	5	6	19	16	19	16	15	19	5	10	3	1	2				136
	012	5	6	21	16	20	18	15	23	6	10	4	1	2				147
	013	6	7	21	16	23	20	16	24	8	10	4	1	2				158
	014	6	8	21	16	24	22	16	24	8	10	4	1	3				163
	015	9	10	24	18	28	26	16	24	11	10	4	1	3				184
	016	11	11	24	18	29	27	18	24	11	10	4	2	3	1			193
	017	11	11	25	19	33	27	18	24	11	10	4	2	3	1			199
	018	12	13	29	20	38	28	19	24	11	10	4	2	3	1			214
	019	14	14	31	20	39	30	20	24	11	10	4	2	3	1			223
	020	14	15	31	21	39	31	20	24	11	10	5	2	3	1			227
	021	17	16	31	23	39	32	20	25	11	10	5	2	3	1			235
	022	17	16	32	23	39	32	20	26	11	10	5	2	3	1			237
	023	18	16	32	23	39	32	20	27	11	10	5	2	4	1			240
	024	18	16	33	23	39	32	21	27	11	10	5	2	5	1			243
	025	19	16	33	23	39	32	21	27	11	10	5	2	5	1			244
	026	19	16	33	23	40	32	21	27	11	10	5	2	5	1			245
	027	19	16	33	23	40	33	21	27	12	10	5	2	5	1			247
	028	20	16	33	23	40	33	21	27	12	10	5	2	5	1			248

Screen Temperature v Dew Point Depression

Dew Point Depression

	°F	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	>14	Total
Nov.	000						1											1
	001				1		1											2
	002				1	1	1	1	1									5
	004				1	1	2	1	1									6
	006				1	2	2	2	1	1	1							10
	007				2	2	2	4	1	1	2							14
	008				3	2	2	4	1	1	2							15
	009				3	3	2	4	1	2	3							18
	010				3	3	2	6	1	2	3							20
	011				3	3	4	6	1	2	4	1						24
	012				3	3	4	7	1	2	4	1			1			26
	013				3	3	5	7	2	3	5	1	1		1			31
	014				3	5	6	8	2	3	6	1	1		1			36
	015	1	1	1	4	6	7	8	3	4	6	1	1		1			44
	016	1	1	1	5	8	8	9	4	5	6	1	1		1			51
	017	1	3	2	7	9	8	9	4	5	6	1	1		1			58
	018	5	4	3	9	14	8	13	5	8	6	3	1		2			81
	019	5	6	3	9	15	9	13	6	8	7	4	2	1	2			90
	020	6	7	4	10	18	11	14	7	9	7	5	2	1	2			103
	021	6	7	8	13	18	13	16	9	9	7	5	3	1	2			117
	022	6	7	8	15	19	15	17	10	9	7	5	4	1	2			125
	023	6	7	8	15	21	15	18	10	11	7	6	4	1	2	1		132
	024	7	10	11	17	21	15	19	10	11	8	6	4	1	2	1		143
	025	9	12	11	17	24	18	20	10	11	8	6	4	2	2	1		155
	026	9	14	11	19	26	19	20	11	11	9	6	5	2	2	1		165
	027	10	15	11	19	27	19	20	11	13	9	6	6	2	2	1		171
	028	12	15	17	20	31	20	22	11	13	9	6	6	2	2	1		187
	029	13	17	17	20	34	21	22	12	14	9	6	6	2	2	1		196
	030	13	19	21	21	35	22	23	13	14	10	6	6	2	2	1		208
	031	13	20	22	21	38	23	23	13	15	10	6	6	2	2	1		215
	032	13	20	23	21	40	25	25	14	15	11	7	6	2	2	1		225
	033	13	20	23	22	41	25	26	15	15	11	7	6	2	2	2		230
	034	13	20	23	22	41	26	26	15	15	12	7	6	2	2	2		232
	035	13	20	23	22	42	27	26	15	15	12	7	6	2	2	2		234
	036	13	21	23	22	42	27	26	15	15	12	8	6	2	3	2		237
	037	13	21	23	22	42	28	26	15	15	12	8	6	2	3	2		238
	039	13	21	23	22	43	28	26	15	15	12	9	6	2	3	2		240
	040	13	21	23	22	43	28	26	15	15	12							
Dec	018		1					2	1	1	1							6
	019		1		1			2	1	2	1							8
	020		1		1	1	1	2	1	3	1			1	1			13
	021		1		2	1	1	3	2	4	1			2	1			18
	022		1		2	2	1	4	3	5	2	1		2	1			24
	023		1		2	2	3	5	3	5	3	1		2	1			28
	024		1		3	2	3	6	3	5	3	1	1	2	1			31
	025		2	1	5	4	6	8	4	6	3	1	1	2	2			45
	026		2	4	9	8	10	11	5	8	6	1	2	2	2			70
	027		3	5	11	11	15	15	9	13	9	2	2	2	2			99
	028		7	5	11	14	18	20	15	16	11	2	2	2	3	1		127
	029	1	7	5	11	18	25	24	18	18	16	2	2	2	4	1		154
	030	2	7	7	13	24	28	29	22	23	19	4	4	2	4	1		189
	031	2	7	7	15	24	31	29	25	27	24	7	4	3	4	1		210
	032	3	7	7	16	28	32	31	29	30	24	10	5	4	4	1		231
	033	3	7	8	16	28	35	32	32	32	25	10	5	4	4	2	1	244
	034	3	7	8	16	28	36	32	32	32	25	10	6	4	5	2	1	247
	038	3	7	8	16	28	36	33	32	32	25	10	6	4	5	2	1	248

FREQUENCY ANALYSES
WILKES 1961

Direction and Speed of Surface Wind

	Direction x 10°	Calm	1-9	10-19	20-29	30-39	40-49	≥ 50	Total
Jan.	35 36 01		15	2	0	0	0	0	17
	02 03 04		21	9	0	0	0	0	30
	05 06 07		9	9	4	3	0	0	25
	08 09 10		2	18	10	13	3	1	47
	11 12 13		2	2	1	2	1	2	10
	14 15 16		16	3	0	0	0	0	19
	17 18 19		14	7	0	0	0	0	21
	20 21 22		9	0	0	0	0	0	9
	23 24 25		6	0	0	0	0	0	6
	26 27 28		6	0	0	0	0	0	6
	29 30 31		8	1	0	0	0	0	9
	32 33 34		12	2	0	0	0	0	14
									31
		31	120	53	15	18	4	3	244
Feb.	35 36 01		3	3	0	0	0	0	6
	02 03 04		10	5	0	0	0	0	15
	05 06 07		8	10	1	0	0	0	19
	08 09 10		4	13	12	14	8	2	53
	11 12 13		1	2	2	4	6	1	16
	14 15 16		9	1	1	1	0	0	12
	17 18 19		21	16	5	4	0	0	46
	20 21 22		12	0	0	0	0	0	12
	23 24 25		1	0	0	0	0	0	1
	26 27 28		2	1	0	0	0	0	3
	29 30 31		5	3	0	0	0	0	8
	32 33 34		5	3	0	0	1	0	9
									21
		21	81	57	21	23	15	3	221
Mar.	35 36 01		4	0	0	0	0	0	4
	02 03 04		11	8	1	0	0	1	21
	05 06 07		17	26	2	0	0	0	45
	08 09 10		14	12	14	21	14	6	81
	11 12 13		8	1	0	0	1	1	11
	14 15 16		11	0	0	0	0	0	11
	17 18 19		27	7	0	0	0	1	35
	20 21 22		2	1	0	0	0	0	3
	23 24 25		3	0	0	0	0	0	3
	26 27 28		1	0	0	0	0	0	1
	29 30 31		5	1	0	0	0	0	6
	32 33 34		7	0	0	0	0	0	7
									18
		18	110	56	17	21	15	9	246
Apr.	35 36 01		3	1	0	0	0	0	4
	02 03 04		10	2	1	0	0	0	13
	05 06 07		19	5	0	2	0	0	26
	08 09 10		14	8	6	1	6	3	38
	11 12 13		7	1	3	1	0	0	12
	14 15 16		13	2	0	0	0	0	15
	17 18 19		35	14	0	0	0	0	49
	20 21 22		8	0	0	0	0	0	8
	23 24 25		2	0	0	0	0	0	2
	26 27 28		4	0	0	0	0	0	4
	29 30 31		1	0	0	0	0	0	1
	32 33 34		9	2	0	0	0	0	11
									55
		55	125	35	10	4	6	3	238

Direction and Speed of Surface Wind

	Direction x 10°	Calm	1-9	10-19	20-29	30-39	40-49	≥ 50	Total
May.	35 36 01		2	2	0	0	0	0	4
	02 03 04		19	5	1	0	0	0	25
	05 06 07		22	10	0	5	1	1	39
	08 09 10		9	9	11	11	13	11	64
	11 12 13		9	5	4	1	2	7	28
	14 15 16		7	2	1	0	0	0	10
	17 18 19		21	8	1	0	0	0	30
	20 21 22		4	1	0	0	0	0	5
	23 24 25		1	0	0	0	0	0	1
	26 27 28		2	0	0	0	0	0	2
	29 30 31		1	0	0	0	0	0	1
	32 33 34		1	2	0	0	0	0	3
									35
		35	98	44	18	17	16	19	247
Jun.	35 36 01		0	3	1	0	0	0	4
	02 03 04		10	17	2	0	0	0	29
	05 06 07		15	4	2	7	0	0	28
	08 09 10		12	2	1	5	15	15	50
	11 12 13		5	1	1	1	1	0	9
	14 15 16		20	7	0	0	0	0	27
	17 18 19		20	15	0	0	0	0	35
	20 21 22		2	2	1	0	0	1	6
	23 24 25		0	1	0	0	0	0	1
	26 27 28		1	1	0	0	0	0	2
	29 30 31		0	0	0	0	0	0	0
	32 33 34		4	0	0	0	0	0	4
									43
		43	89	53	8	13	16	16	238
Jul.	35 36 01		2	2	0	0	0	0	4
	02 03 04		7	8	6	0	0	0	21
	05 06 07		8	9	6	3	4	3	33
	08 09 10		3	6	6	15	31	34	95
	11 12 13		5	3	0	1	0	1	10
	14 15 16		11	5	2	1	0	0	19
	17 18 19		13	12	2	0	0	0	27
	20 21 22		3	1	2	0	0	0	6
	23 24 25		3	0	0	0	0	0	3
	26 27 28		2	3	0	0	0	0	5
	29 30 31		1	1	1	0	0	0	3
	32 33 34		2	0	0	0	0	0	2
									18
		18	60	50	25	20	35	38	246
Aug.	35 36 01		3	3	1	0	0	0	7
	02 03 04		8	9	6	0	0	0	23
	05 06 07		13	19	1	3	1	0	37
	08 09 10		5	7	9	5	10	20	56
	11 12 13		4	1	2	3	1	3	14
	14 15 16		18	11	1	1	0	0	31
	17 18 19		13	14	1	1	0	0	29
	20 21 22		2	3	0	0	0	0	5
	23 24 25		2	4	0	0	0	0	6
	26 27 28		0	0	0	0	0	0	0
	29 30 31		4	0	0	0	0	0	4
	32 33 34		4	1	0	0	0	0	5
									29
		29	76	72	21	13	12	23	246

Direction and Speed of Surface Wind

	Direction x 10°	Calm	1-9	10-19	20-29	30-39	40-49	≥ 50	Total
Sep.	35 36 01		10	2	0	0	0	0	12
	02 03 04		14	5	1	0	0	0	20
	05 06 07		14	6	3	0	0	0	23
	08 09 10		3	1	1	8	6	7	26
	11 12 13		2	6	0	0	0	0	8
	14 15 16		23	13	0	1	0	0	37
	17 18 19		23	20	1	0	0	0	44
	20 21 22		5	1	0	0	0	0	6
	23 24 25		0	0	0	0	0	0	0
	26 27 28		4	0	0	0	0	0	4
	29 30 31		1	1	0	0	0	0	2
	32 33 34		1	1	0	0	0	0	2
									56
		56	100	56	6	9	6	7	240
Oct.	35 36 01		6	6	1	0	0	0	13
	02 03 04		34	10	0	0	0	0	44
	05 06 07		19	10	0	0	0	0	29
	08 09 10		9	5	2	1	2	1	20
	11 12 13		4	1	1	1	0	0	7
	14 15 16		21	8	6	5	0	0	40
	17 18 19		14	4	0	0	0	0	18
	20 21 22		6	1	0	0	0	0	7
	23 24 25		3	0	0	0	0	0	3
	26 27 28		3	4	0	0	0	0	7
	29 30 31		2	1	0	0	0	0	3
	32 33 34		4	2	0	0	0	0	6
									50
		50	125	52	10	7	1	901	247
Nov.	35 36 01		7	2	0	0	0	0	9
	02 03 04		18	10	0	0	0	0	28
	05 06 07		16	11	1	1	0	0	29
	08 09 10		11	4	7	5	5	10	42
	11 12 13		7	4	0	1	1	0	13
	14 15 16		13	3	0	0	0	0	16
	17 18 19		23	6	0	0	0	0	29
	20 21 22		5	3	0	0	0	0	8
	23 24 25		8	1	1	0	0	0	10
	26 27 28		3	1	0	0	0	0	4
	29 30 31		6	1	0	0	0	0	7
	32 33 34		3	3	0	0	0	0	6
									39
		39	120	49	9	7	6	10	240
Dec.	35 36 01		20	4	0	0	0	0	24
	02 03 04		11	17	0	0	0	0	28
	05 06 07		10	10	4	2	0	0	26
	08 09 10		14	13	13	4	0	0	44
	11 12 13		7	0	2	2	0	0	11
	14 15 16		10	6	0	0	0	0	16
	17 18 19		11	3	0	0	0	0	14
	20 21 22		9	1	0	0	0	0	10
	23 24 25		11	0	0	0	0	0	11
	26 27 28		11	1	0	0	0	0	12
	29 30 31		12	0	0	0	0	0	12
	32 33 34		14	1	0	0	0	0	15
									25
		25	140	56	19	8	0	0	248

Results of Radiosonde Observations. 1130 · Hours

Temperature at 850 mb

Upper Limit Range - °C	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	total
530							1						1
527					1		2			5			8
524				1	2	1	2	3		6			15
521				2	2	5	2	5	3	7			26
518				3	6	7	6	8	6	10			46
515			3	11	13	14	10	13	12	19	6	1	102
512	1	1	5	22	17	17	15	19	21	25	11	4	158
509	10	4	17	28	23	19	17	27	25	29	19	21	239
506	19	20	24	28	23	20	18	28	27	30	28	30	295
503	24	24	24	28	24	22	18	28	27	30	28	31	308
000	26	24	24	28	24	22	18	28	27	30	28	31	310

Temperature at 700 mb

530								3					3
527			1	1		2	3	4		6			17
524			1	3	3	4	9	8	6	8		1	43
521			5	11	15	11	14	17	10	14	1	6	104
518	8		15	25	21	19	16	27	20	26	16	19	212
515	17	14	22	27	22	20	19	28	25	29	26	30	279
512	23	18	23	28	24	21	19	28	28	30	28	31	301
509	27	23	23	28	24	22	19	28	28	30	28	31	311
506	27	23	23	28	24	22	19	28	28	30	28	31	311
503	27	24	23	28	24	22	19	28	28	30	28	31	312

Temperature at 500 mb

545							1						1
542					1		4		2	3			10
539					3	3	13	12	7	6			44
536			6	9	11	11	15	17	11	10	3	5	98
533	3	3	15	16	17	16	17	23	23	20	10	22	185
530	11	14	21	24	21	18	19	26	26	27	21	29	257
527	21	17	23	27	22	20	19	27	28	30	26	31	291
524	25	22	23	28	23	22	19	27	28	30	28	31	306
521	27	24	24	28	24	22	19	27	28	30	28	31	312
518	27	25	24	28	24	22	19	27	28	30	28	31	313

Temperature at 300 mb

566							1						1
563						1	5	4	1				11
560				3	4	7	11	15	15	5			60
557			4	3	13	11	17	18	26	15	5	4	116
554	7	4	7	10	18	20	18	28	27	29	22	15	205
551	16	14	17	20	21	22	18	28	27	29	26	23	261
548	24	21	20	26	21	22	18	28	28	30	28	27	293
545	26	23	22	28	21	22	18	28	28	30	28	31	305
542	26	24	23	28	21	22	18	28	28	30	28	31	307
539	27	25	24	28	21	22	18	28	28	30	28	31	310

Results of Radiosonde Observations.

2300 · Hours

Temperature at 850 mb

Upper Limit Range - °C	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
530							1			1			2
527						1	2	1		4			8
524						2	2	5		5			14
521				1	2	3	3	5	4	8			26
518				3	5	9	3	7	7	9			43
515			4	12	10	16	10	15	11	19	7		104
512			13	24	21	20	17	19	21	26	13	5	179
509	5	9	21	26	22	23	22	26	27	31	19	21	252
506	21	20	27	27	23	24	23	27	29	31	28	31	311
503	23	23	27	27	23	25	23	27	29	31	30	31	319
000	26	23	27	27	23	25	23	27	29	31	30	31	322

Temperature at 700 mb

530								2					2
527				2		1	2	3		4			12
524			3	3	1	8	5	8	4	9			41
521			9	14	15	14	12	19	15	18	3	2	121
518	6	4	20	24	19	21	21	23	22	27	21	21	229
515	20	12	26	27	22	21	23	26	28	30	30	29	294
512	24	19	26	27	23	23	23	27	29	31	30	30	312
509	27	21	27	27	23	25	23	27	29	31	30	31	321
506	27	23	27	27	23	25	23	27	29	31	30	31	323

Temperature at 500 mb

545							2						2
542							6		2	4			12
539			1	1	1	2	11	13	7	6	1		43
536		1	6	9	11	12	16	18	14	14	4	7	112
533	3	4	19	17	16	19	18	22	24	22	10	22	196
530	12	11	24	21	20	21	21	25	28	28	22	29	262
527	24	17	25	27	21	23	22	27	29	30	28	29	302
524	27	21	26	27	24	24	23	27	29	31	30	30	319
521	27	21	26	27	24	25	23	27	29	31	30	30	320
518	27	23	27	27	24	25	23	27	29	31	30	31	324

Temperature at 300 mb

566							1						1
563						1	7	3	4				15
560				1	5	7	12	10	15	5			55
557			2	4	12	13	20	20	26	17	3	2	119
554	5	1	5	13	20	22	22	23	29	28	19	16	203
551	17	11	15	22	21	23	22	26	29	30	24	24	264
548	23	20	20	25	21	25	22	26	29	31	29	28	299
545	24	22	25	26	21	25	22	26	29	31	30	30	311
542	27	22	27	27	21	25	22	26	29	31	30	31	318
539	27	23	27	27	21	25	22	26	29	31	30	31	319
536	27	23	27	27	22	25	22	26	29	31	30	31	320

Results of Radiosonde Observations.

1130 - Hours

Temperature at 200 mb

Upper Limit Range - °C	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
578								2	1				3
575								6	4				10
572						1	1	8	10				20
569					2	2	4	14	18	7			45
566					2	5	10	18	21	17			73
563					2	5	17	22	23	24			93
560					11	15	17	24	25	30	7		129
557		1			14	19	17	26	27	30	12		146
554		2	1	1	17	20	17	26	27	30	15		156
551		3	1	6	18	21	17	26	27	30	23		172
548	1	5	3	14	19	21	17	26	28	30	27	15	206
545	10	13	17	23	19	21	17	26	28	30	28	29	261
542	23	17	23	25	19	21	17	26	28	30	28	30	287
539	27	24	24	26	19	21	17	26	28	30	28	30	300

Temperature at 150 mb

584								1					1
581								1					1
578								4					4
575								8	5				13
572							2	12	16	2			32
569						1	5	16	18	8			48
566					1	2	10	19	19	14			65
563					3	6	13	22	22	22			88
560					9	14	14	23	25	29	3		117
557					13	19	14	23	26	30	9		134
554				1	17	20	14	23	27	30	13		145
551			1	9	18	20	14	23	27	30	18		160
548		4	3	17	18	20	14	23	27	30	23		179
545	1	5	13	26	18	20	14	23	27	30	26	12	215
542	16	18	23	26	18	20	14	23	27	30	27	29	271
539	26	22	24	26	18	20	14	23	27	30	27	30	287

Temperature at 100 mb

581								1					1
578								5	1				6
575							4	7	8				19
572							8	11	13	3			35
569					1	1	12	13	15	7			49
566					3	7	13	13	17	9			62
563					8	14	13	13	20	17			85
560				1	12	18	13	13	22	24	2		104
557				6	14	20	13	13	22	28	4		115
554		1	2	16	15	20	13	13	22	28	7		124
551		2	7	25	15	20	13	13	22	28	12		142
548		5	14	26	15	20	13	13	22	28	16		161
545	3	17	24	26	15	20	13	13	22	28	24	2	182
542	21	21	24	26	15	20	13	13	22	28	27	11	219
539	25	21	24	26	15	20	13	13	22	28	27	24	254
536													264

Results of Radiosonde Observations.

2300 - Hours

Temperature at 200 mb

Upper Limit Range - °C	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
575								5	3	1			9
572						3	3	10	8	1			25
569						3	7	14	15	7			46
566					1	4	11	16	20	17	1		70
563			1		1	10	21	21	21	23	3		101
560			1		7	15	22	22	27	29	8		131
557			1		15	20	22	24	29	30	13		154
554		1	1	1	15	24	22	25	29	30	18		166
551		2	2	6	19	25	22	25	29	31	25		186
548		5	4	13	19	25	22	25	29	31	29	14	216
545	6	13	14	25	19	25	22	25	29	31	29	28	266
542	17	20	26	26	19	25	22	25	29	31	30	31	301
539	24	22	27	27	20	25	22	25	29	31	30	31	313
536	25	22	27	27	20	25	22	25	29	31	30	31	314

Temperature at 150 mb

578								1					1
575								6	5	1			12
572							4	12	13	3			32
569							7	15	18	8			48
566						3	18	21	21	13			76
563					2	7	19	22	21	22	1		94
560					6	16	20	23	25	29	3		122
557					11	20	20	24	28	31	11		145
554			1	2	13	23	20	24	28	31	14		156
551			2	8	15	23	20	24	28	31	18		169
548		2	4	14	15	23	20	24	28	31	26	2	189
545		6	15	24	15	23	20	24	28	31	29	12	227
542	8	16	27	25	15	23	20	24	28	31	30	30	277
539	24	22	27	25	16	23	20	24	28	31	30	31	301
536	25	22	27	25	16	23	20	24	28	31	30	31	302

Temperature at 100 mb

578								3	3				6
575							2	8	10	2			22
572							9	13	14	4			40
569						1	15	18	17	7			58
566					2	6	17	19	19	9			72
563					6	15	17	19	24	16			97
560					9	19	17	20	27	24	1		117
557					11	20	17	20	27	28	3		126
554				5	14	20	17	20	27	28	5		136
551			2	13	14	21	17	20	27	28	13		155
548		2	7	22	14	21	17	20	27	28	17		175
545		3	15	25	14	21	17	20	27	28	24		194
542	1	14	26	25	14	21	17	20	27	28	29	8	230
539	16	22	26	25	14	21	17	20	27	28	30	21	267
536	25	22	26	25	14	21	17	20	27	28	30	30	285
533	25	22	26	25	14	21	17	20	27	28	30	31	286

Results of Radiosonde Observations.

2300 - Hours

Temperature at Tropopause

Upper Limit Range °C	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
578								1	1	1			3
575								5	4	1			10
572						3	2	12	10	1			28
569						3	8	14	15	9			49
566					3	9	13	16	20	19	1		81
563			1		5	14	19	22	22	23	8		114
560		2	1	3	13	19	22	23	28	29	12		152
557	4	5	6	7	17	23	22	24	29	30	20	5	192
554	12	12	13	17	19	25	22	25	29	31	26	21	252
551	22	18	22	26	21	25	22	25	29	31	29	27	297
548	26	23	26	26	21	25	22	25	29	31	29	29	312
545	27	23	27	26	21	25	22	25	29	31	29	30	315
542	27	23	27	27	21	25	22	25	29	31	30	31	318

1130 - Hours

584								1					1
581								2					2
578								4	2				6
575								7	7				14
572						1	1	9	14	3			28
569						1	4	13	16	9			43
566					6	4	8	16	23	18			75
563					8	10	14	21	24	24	2		103
560		3		3	15	15	15	22	28	28	12		141
557	4	9	6	8	18	18	15	25	28	30	18	8	187
554	15	18	14	15	19	19	15	25	28	30	22	19	239
551	21	20	22	26	20	20	15	26	28	30	26	28	282
548	25	23	23	28	20	20	15	26	28	30	27	30	295
545	27	24	24	28	20	20	15	26	28	30	27	31	300
542	27	25	24	28	20	20	15	26	28	30	27	31	301

Results of Radiosonde Observations.

1130 - Hours

Geopotential at 850 mb

Upper Limit Range gpDm	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
090				1				2					3
095	1			1				4		1			7
100	1	1		3	1	1	3	6		5			21
105	1	1	1	5	1	2	6	10		10	4	2	43
110	1	2	7	11	10	8	12	13	8	21	11	7	111
115	8	5	13	16	14	14	15	17	17	29	20	22	190
120	16	6	19	21	23	16	17	21	24	30	25	30	248
125	25	15	22	26	24	18	19	25	26	30	28	31	289
130	26	21	23	27	24	21	19	27	28	30	28	31	305
135	26	23	24	27	24	21	19	28	28	30	28	31	309
140	27	24	24	28	24	22	19	28	28	30	28	31	313
145	27	25	24	28	24	22	19	28	28	30	28	31	314

Geopotential at 700 mb

230								1					1
235				1				3		1			5
240				1			2	5		6			14
245	1			2	1	1	4	7		8			24
250	1	1		5	1	2	6	10	2	9	2	1	40
255	1	2	4	10	7	8	12	11	6	20	5	4	90
260	1	3	10	16	14	11	15	17	15	26	16	13	157
265	12	7	16	22	22	16	16	20	21	30	22	28	232
270	20	8	21	27	24	18	18	24	25	30	26	31	272
275	26	18	22	27	24	19	19	27	25	30	28	31	296
280	27	21	23	28	24	21	19	28	27	30	28	31	307
285	27	22	24	28	24	21	19	28	27	30	28	31	309
290	27	24	24	28	24	22	19	28	27	30	28	31	312
295	27	25	24	28	24	22	19	28	27	30	28	31	313
300	27	25	24	28	24	22	19	28	28	30	28	31	314

Geopotential at 500 mb

470							1	2		1			4
475							2	4		4			10
480				1		1	3	6		6			17
485				1		1	7	9	1	6			25
490				5	1	3	8	10	3	10			40
495	1	1	3	7	5	9	12	13	6	16	4	3	80
500	1	2	6	12	14	10	14	16	14	23	7	5	124
505	3	3	14	18	18	16	16	19	18	27	17	16	185
510	8	5	17	22	22	17	18	24	22	29	22	28	234
515	20	7	21	26	23	19	18	26	25	30	26	31	272
520	24	14	22	27	24	19	19	27	26	30	28	31	291
525	27	19	23	28	24	20	19	27	27	30	28	31	303
530	27	21	23	28	24	22	19	28	28	30	28	31	309
535	27	21	24	28	24	22	19	28	28	30	28	31	310
540	27	23	24	28	24	22	19	28	28	30	28	31	312
545	27	24	24	28	24	22	19	28	28	30	28	31	313
550	27	24	24	28	24	22	19	28	28	30	28	31	313
555	27	25	24	28	24	22	19	28	28	30	28	31	314

Results of Radiosonde Observations.

2300 - Hours

Geopotential at 850 mb

Upper Limit Range gpDm	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
095				2				3		1			6
100		1		2	1	1	4	6		6			21
105	1	1	2	5	5	4	6	9	1	10	3	2	49
110	1	2	8	10	6	7	10	14	8	24	13	6	109
115	7	3	18	14	14	12	16	17	16	30	21	18	186
120	18	5	23	21	21	20	20	22	26	31	27	30	264
125	27	12	25	25	21	21	21	25	27	31	30	31	294
130	27	20	26	27	22	22	23	27	29	31	30	31	315
135	27	22	27	27	22	24	23	27	29	31	30	31	320
140	27	22	27	27	23	25	23	27	29	31	30	31	322
145	27	23	27	27	23	25	23	27	29	31	30	31	323

Geopotential at 700 mb

235								2					2
240				1			2	5		6			14
245				3		2	4	6		8			23
250		1	1	6	3	3	6	8	2	12	2	1	45
255	1	1	5	11	6	9	10	15	8	22	9	2	99
260	2	3	16	16	14	14	16	17	18	29	19	11	175
265	10	4	21	22	19	20	20	22	24	31	25	27	245
270	20	7	23	23	21	21	21	22	26	31	29	31	275
275	27	18	25	26	22	22	22	23	28	31	30	31	305
280	27	20	26	27	22	23	23	27	29	31	30	31	316
285	27	22	27	27	23	24	23	27	29	31	30	31	321
290	27	22	27	27	23	24	23	27	29	31	30	31	321
295	27	23	27	27	23	25	23	27	29	31	30	31	323

Geopotential at 500 mb

450					1								1
455					1								1
460					1								1
465					1								1
470					1		1						2
475					1		2	2		3			8
480				1	1	1	4	6		6			19
485			1	3	1	2	6	7	1	9			30
490			2	5	3	3	7	9	4	11			44
495			3	8	5	7	10	14	7	16	1	2	73
500	1	1	10	15	14	13	16	18	17	25	12	4	146
505	2	2	18	19	18	16	18	20	20	29	20	19	201
510	8	3	22	22	21	20	21	22	24	31	25	28	247
515	22	6	24	25	23	21	21	22	26	31	27	30	278
520	24	14	25	26	23	21	22	24	26	31	30	31	297
525	27	17	25	27	24	21	23	26	29	31	30	31	311
530	27	20	26	27	24	23	23	27	29	31	30	31	318
535	27	21	26	27	24	24	23	27	29	31	30	31	320
540	27	21	27	27	24	24	23	27	29	31	30	31	321
545	27	22	27	27	24	25	23	27	29	31	30	31	323
550	27	23	27	27	24	25	23	27	29	31	30	31	324

Results of Radiosonde Observations.

1130 - Hours

Geopotential at 300 mb

Upper Limit Range gpDm	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
800							2	1					3
810							3	4		4			11
820				1		1	8	9	2	7			28
830				6	4	5	11	14	9	9			58
840			6	13	12	14	15	17	16	17	7	6	123
850	3	4	16	20	16	17	17	21	23	27	20	20	204
860	15	8	20	24	20	18	17	25	26	30	24	30	258
870	25	17	21	28	21	20	18	28	28	30	28	31	295
880	27	20	23	28	21	21	18	28	28	30	28	31	303
890	27	21	24	28	21	22	18	28	28	30	28	31	306
900	27	24	24	28	21	22	18	28	28	30	28	31	309
910	27	25	24	28	21	22	18	28	28	30	28	31	310

Geopotential at 200 mb

1050							2						2
1060							4	3	1	4			12
1070							8	12	5	6			31
1080					2	5	11	15	15	10			58
1090				3	10	11	14	20	19	18	3		98
1100			1	10	14	16	16	23	24	26	10	3	143
1110			8	15	17	17	17	27	26	30	20	17	194
1120	6	4	18	21	18	20	17	27	27	30	24	26	238
1130	19	11	21	26	19	21	17	27	28	30	26	30	275
1140	27	19	23	26	19	22	17	27	28	30	27	30	295
1150	27	21	23	26	19	22	17	27	28	30	27	30	297
1160	27	24	24	26	19	22	17	27	28	30	28	30	302
1170	27	25	24	26	19	22	17	27	28	30	28	30	303

Geopotential at 150 mb

1210						1							1
1220						1							1
1230						1	3	1	1	3			9
1240						1	7	9	5	6			28
1250						1	7	12	14	7			41
1260					4	5	12	17	18	15			71
1270					8	12	13	18	20	24	2		97
1280				5	13	15	14	22	23	28	10		130
1290				10	16	17	14	23	25	30	15	1	151
1300			8	17	18	19	14	23	27	30	21	14	191
1310	1	1	17	21	18	20	14	23	27	30	26	23	221
1320	14	4	20	25	18	20	14	23	27	30	26	30	251
1330	25	17	23	26	18	20	14	23	27	30	27	30	280
1340	26	20	24	26	18	20	14	23	27	30	27	30	285
1350	26	22	24	26	18	20	14	23	27	30	27	30	287
1360	26	23	24	26	18	20	14	23	27	30	27	30	288

Results of Radiosonde Observations.

2300 - Hours

Geopotential at 300 mb

Upper Limit Range gpDm	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
800							1						1
810							5	1		4			10
820							7	9	4	7			27
830			1	6	1	4	11	14	9	13	1		60
840	1		11	13	12	14	16	19	18	20	7	5	136
850	2	3	19	19	18	20	18	21	25	28	23	24	220
860	14	7	25	25	21	21	20	22	26	31	25	28	265
870	24	13	25	27	22	21	21	24	29	31	29	30	296
880	27	19	25	27	22	23	22	26	29	31	30	31	312
890	27	21	26	27	22	25	22	26	29	31	30	31	317
900	27	21	27	27	22	25	22	26	29	31	30	31	318
910	27	23	27	27	22	25	22	26	29	31	30	31	320

Geopotential at 200 mb

1050							2						2
1060							5	3		4			12
1070							7	9	4	7			27
1080					2	5	13	16	15	13			64
1090				4	7	14	17	15	20	21			102
1100			3	6	14	18	20	21	23	29	15	1	150
1110			12	17	18	21	20	23	26	31	21	17	206
1120	3	3	20	22	20	21	21	25	29	31	26	27	248
1130	19	8	25	27	20	23	22	25	29	31	30	30	289
1140	25	16	25	27	20	25	22	25	29	31	30	31	306
1150	26	19	26	27	20	25	22	25	29	31	30	31	311
1160	26	20	27	27	20	25	22	25	29	31	30	31	313
1170	26	22	27	27	20	25	22	25	29	31	30	31	315

Geopotential at 150 mb

1220							1						1
1230							6	1		4			11
1240							7	8	5	6			26
1250			1				11	14	15	9			50
1260			1		2	6	14	18	18	17			76
1270			1		4	14	18	20	20	24	1		102
1280			1	4	9	16	19	22	24	30	10		135
1290			2	7	14	20	20	24	26	31	17	1	162
1300			12	15	15	20	20	24	28	31	22	16	203
1310	1		19	20	16	23	20	24	28	31	27	25	234
1320	8	7	24	25	16	23	20	24	28	31	30	30	266
1330	24	14	26	25	16	23	20	24	28	31	30	31	292
1340	25	19	27	25	16	23	20	24	28	31	30	31	299
1350	25	20	27	25	16	23	20	24	28	31	30	31	300
1360	26	22	27	25	16	23	20	24	28	31	30	31	303

Results of Radiosonde Observations.

1130 - Hours

Geopotential at 100 mb

Upper Limit Range gpDm	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
1470							3	3	1	3			10
1480							7	6	6	4			23
1490							8	7	13	5			33
1500							11	8	14	10			43
1510					5	4	12	11	15	18			65
1520					6	10	12	11	15	22			76
1530				2	11	13	13	13	18	26	2		98
1540				6	12	16	13	13	19	28	9		116
1550				7	15	18	13	13	22	28	11		127
1560				17	15	20	13	13	22	28	19		147
1570			7	20	15	20	13	13	22	28	23	8	169
1580	1		16	22	15	20	13	13	22	28	26	22	198
1590	4	2	19	26	15	20	13	13	22	28	27	30	219
1600	21	17	24	26	15	20	13	13	22	28	27	30	256
1610	25	19	24	26	15	20	13	13	22	28	27	30	262
1620	25	21	24	26	15	20	13	13	22	28	27	30	264

Geopotential at Tropopause

700			1					1			1		3
750			2	2			1	1			1		7
800	2	3	4	11	2	1	1	1		1	2	5	33
850	6	8	13	18	4	3	2	3	1	2	8	18	86
900	20	12	17	24	9	8	3	8	3	4	14	26	148
950	25	16	22	28	14	12	6	11	6	5	20	29	194
1000	27	19	22	28	17	14	9	13	8	16	26	31	230
1050	27	19	24	28	18	16	12	17	14	22	26	31	254
1100	27	22	24	28	19	17	15	20	19	25	27	31	274
1150	27	25	24	28	20	20	15	23	21	28	27	31	289
1200	27	25	24	28	20	20	15	25	24	29	27	31	295
1250	27	25	24	28	20	20	15	26	25	29	27	31	297
1300	27	25	24	28	20	20	15	26	28	30	27	31	301

Pressure at Tropopause

150									3	1			4
200					2	1		6	10	6			25
250	1	4	2		5	9	8	16	22	24	5	1	97
300	19	16	13	11	17	19	14	24	28	29	19	18	227
350	27	25	22	27	20	20	15	25	28	30	26	31	296
400	27	25	24	28	20	20	15	26	28	30	27	31	301

C.S.O. 2983

Results of Radiosonde Observations.

2300 · Hours

Geopotential at 100 mb

Upper Limit Range gpDm	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
1460							1						1
1470							5	1		3			9
1480							6	7	7	7			27
1490							9	10	16	7			42
1500					1	6	12	13	17	9			51
1510					4	13	14	18	18	17			74
1520				1	6	15	16	19	19	23			94
1530				3	11	18	17	19	23	27	2		110
1540				5	14	19	17	20	25	28	11		133
1550				13	14	21	17	20	27	28	16		146
1560			12	17	14	21	17	20	27	28	20		160
1570			17	22	14	21	17	20	27	28	24	7	187
1580	1	4	22	25	14	21	17	20	27	28	27	22	215
1590	15	12	26	25	14	21	17	20	27	28	30	30	239
1600	25	20	26	25	14	21	17	20	27	28	30	31	266
1610	25	21	26	25	14	21	17	20	27	28	30	31	284
1620	25	22	26	25	14	21	17	20	27	28	30	31	285
1630													286

Geopotential at Tropopause

650				1									1
700				1									1
750			4	1	2		1		1			3	12
800	4	2	6	9	3		2		1		2	10	39
850	11	6	16	18	6		6	1	1		3	21	89
900	19	12	22	23	11	8	7	2	5	4	9	27	149
950	24	16	25	26	17	16	10	5	9	11	20	30	209
1000	27	17	25	27	19	20	14	8	12	16	26	30	241
1050	27	19	25	27	19	21	18	13	17	22	27	31	266
1100	27	21	26	27	20	21	21	22	26	27	29	31	298
1150	27	23	27	27	21	24	22	24	28	29	29	31	312
1200	27	23	27	27	21	25	22	24	29	30	30	31	316
1250	27	23	27	27	21	25	22	24	29	30	30	31	316
1300	27	23	27	27	21	25	22	25	29	30	30	31	317
1350	27	23	27	27	21	25	22	25	29	30	30	31	317
1400	27	23	27	27	21	25	22	25	29	30	30	31	317
1450	27	23	27	27	21	25	22	25	29	30	30	31	318
1500													

Pressure at Tropopause

150								1		1			2
200					1	3	2	3	5	4	1		19
250	2	4	2		4	10	14	22	20	24	7	1	110
300	15	17	13	10	17	25	20	25	28	31	27	14	242
350	27	23	25	26	21	25	22	25	29	31	29	28	311
400	27	23	27	26	21	25	22	25	29	31	30	31	317
450	27	23	27	27	21	25	22	25	29	31	30	31	318

Results of Surface Observations,
DAVIS – JAN., 1961

LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°× 10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°× 10	kt	St.miles	Points	°F	°F
01	02	9840	31		07	08	10	80	0	02	3	0													
	05	9832	31		10	04	13	80	0	02	3	0													
	08	9829	33		13	02	14	80	0	02	3	0													
	11	9827	33		15	02	12	80	1	03	3	1	5	5	0	8	1		7						
	14	9826	32		16	01	05	80	1	02	3	1	5	5	0	8	1		7						
	17	9824	32		16	00	00	80	0	02	3	0													
	20	9817	30		19	26	04	80	0	02	3	0													
	23	9815	31		17	08	04	80	2	03	3	0	0	9	0	5	0		7	02	16	375	0000	37	30
02	02	9804	33		13	11	04	80	8	02	1	0	0	9	1	8		1	1						
	05	9815	37		15	04	15	80	8	03	1	2	5	6	1	8	1	1	1						
	08	9823	37		18	02	14	80	8	02	2	2	5	6	1	8	1	1	1						
	11	9829	37		22	03	13	80	8	03	2	4	5	6	5		1	1	1						
	14	9838	36		25	04	16	74	8	03	2	2	5	6	5		1	1	1						
	17	9847	33		27	03	03	74	8	70	7	6	5	6	5		1	1							
	20	9850	31		27	00	00	74	8	70	7	8	5	6			1	1							
	23	9867	34		27	06	05	66	8	70	7	6	7	5	2		1	1		03	25	102	0000	38	30
03	02	9876	34		25	10	02	74	8	02	2	6	7	5	2		1	1							
	05	9889	35		25	03	11	74	7	01	2	7	8	5			1	1							
	08	9904	34		26	04	17	74	8	02	2	7	5	5	2		1	1							
	11	9917	36		24	04	13	74	8	01	2	5	5	6	2		1	1							
	14	9929	32		24	03	12	74	8	02	2	5	5	6	2		1	1							
	17	9940	36		20	03	09	74	7	02	2	6	8	5	2		1								
	20	9950	34		19	06	09	74	8	03	2	8	5	7			1			04	26	216	0000	37	32
	23	9956	32		14	09	06	74	8	02	2	8	5	7											
04	02	9956	32		14	09	06	74	8	02	2	8	5	7			1								
	05	9953	35		13	13	08	74	8	01	2	4	5	7	1		2	1							
	08	9935	38		15	02	06	74	8	01	2	0	0	9	0	2			7						
	11	9905	39		16	18	10	80	1	02	0	0	0	9	0	1			7						
	14	9872	36		19	22	16	80	1	02	0	0	0	9	0	1			7						
	17	9850	36		22	22	16	80	2	03	0	0	0	9	0	2			7						
	20	9820	35		27	23	09	80	6	03	2	0	0	9	3	2		1	7	22	21	250	0000	41	32
	23	9818	40		15	10	02	80	4	01	2	0	0	9	3	2		1	7						
05	02	9812	35		11	00	00	80	4	02	3	0	0	9	3	2		1	7						
	05	9816	34		14	00	00	80	0	02	3	0													
	08	9816	36		17	01	03	80	0	02	3	0													
	11	9819	39		19	02	09	80	0	02	3	0													
	14	9829	41		16	03	12	80	0	02	3	0													
	17	9838	40		15	04	10	80	0	02	3	0													
	20	9855	38		17	03	09	80	0	02	3	0													
	23	9863	36		14	05	09	80	0	02	3	0								01	21	239	0000	42	33
06	02	9886	33		12	07	04	80	0	02	3	0													
	05	9902	35		11	05	17	80	0	02	3	0													
	08	9907	35		14	02	13	80	0	02	3	0													
	11	9916	37		16	02	17	82	0	02	3	0													
	14	9920	36		16	01	08	82	0	02	3	0													
	17	9912	35		14	35	10	82	0	02	3	0													
	20	9913	35		17	00	00	82	0	02	3	0													
	23	9916	33		20	07	09	84	0	02	3	0								03	24	272	0000	37	33
07	02	9912	32		14	07	09	80	0	02	3	0													
	05	9912	32		10	03	13	80	0	02	3	0													
	08	9910	33		13	04	13	80	0	02	3	0													
	11	9903	34		15	35	09	80	0	02	3	0													
	14	9902	36		15	01	06	80	0	02	3	0													
	17	9897	38		17	01	06	80	0	02	3	0													
	20	9890	33		20	27	03	80	0	02	3	0													
	23	9888	30		20	00	00	80	0	02	3	0								05	19	227	0000	38	30
08	02	9888	31		16	05	06	80	0	02	3	0													
	05	9887	32		15	05	08	82	0	02	3	0													
	08	9886	34		16	02	11	82	0	02	3	0													
	11	9885	33		14	01	11	82	0	02	3	0													
	14	9878	36		19	01	12	82	0	02	3	0													
	17	9878	37		20	01	12	82	0	02	3	0													
	20	9883	35		23	35	04	80	1	02	3	1	5	5	0	0	2								
	23	9889	33		21	05	07	80	3	03	3	3	5	5	0	0	1			36	18	193	0000	38	30
09	02	9891	30		13	07	10	80	1	01	3	1	5	5	0	0	1								
	05	9897	34		16	07	12	80	5	03	3	5	5	5	0	0	2								
	08	9896	40		15	04	10	80	3	01	2	2	5	5	1	8	2	1							
	11	9898	42		14	06	21	80	5	01	2	4	5	5	0	5	2		1						
	14	9905	39		20	33	04	80	7	03	1	5	5	6	0	8	1		1						
	17	9904	39		21	18	11	74	8	02	2	8	5	6			1								
	20	9907	42		17	08	09	74	8	02	2	8	4	5			3								
	23	9914	40		19	04	05	74	8	02	2	8	5	6			1			05	30	232	0000	42	30

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LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		ib × 10^{-1}	°F	°F	°F	°×10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
10	02	9915	35		16	10	06	74	5	01	2	3	5	6	3	0	1	1							
	05	9926	36		07	09	13	74	6	02	1	0	0	9	3	0		1							
	08	9912	37		03	07	12	80	7	02	1	0	0	9	0	8			8						
	11	9908	37		12	02	17	80	5	01	1	0	0	9	0	8			8						
	14	9892	37		13	02	22	74	6	03	1	0	0	9	0	6			1						
	17	9882	36		16	02	18	74	5	01	1	0	0	9	0	8			1						
	20	9875	35		13	06	26	74	4	01	1	0	0	9	0	8			1						
	23	9868	32		11	07	20	74	2	01	1	0	0	9	0	8			1	04	35	250	0000	39	31
11	02	9851	30		07	07	22	74	3	02	0	1	5	6	0	8	1		1						
	05	9839	29		07	09	26	74	5	03	0	1	5	6	0	8	1		1						
	08	9824	34		09	09	26	74	1	01	2	0	5	9	0	5	1	1							
	11	9815	37		11	09	27	74	3	03	2	0	3	1	0	3	1	1							
	14	9810	39		16	07	22	74	7	03	2	2	5	5	6	3		1							
	17	9808	39		12	07	18	66	8	02	2	2	6	5	6	3		1							
	20	9806	35		07	07	22	74	5	01	2	2	5	5	7	0		2							
	23	9808	33		06	09	14	74	0	05	0	0	0	9	0	0				07	45	487	0000	40	31
12	02	9806	32		07	09	18	74	5	03	1	5	5	7	0	0	2								
	05	9803	32		07	09	30	74	7	03	2	7	5	7			1								
	08	9803	33		11	07	14	66	8	14	2	4	7	6	2		1	1							
	11	9793	35		14	07	20	61	8	02	2	4	7	6	2		1	1							
	14	9800	37		16	07	30	61	8	02	2	5	5	7	2		1	1							
	17	9809	36		15	07	31	61	8	02	1	5	5	7	2		1	1							
	20	9815	33		15	07	18	58	8	15	1	8	5	6	1		1								
	23	9829	33		14	07	24	58	8	15	1	3	5	6			1			05	50	452	0000	37	31
13	02	9842	32		11	07	26	66	8	02	2	2	5	6	1		1	1							
	05	9851	32		10	09	17	58	8	15	1	8	5	6			1								
	08	9852	34		11	09	17	74	8	01	2	3	5	6	1		1	1							
	11	9847	36		11	09	17	66	8	14	2	4	7	4	1		1	1							
	14	9741	37		13	07	17	63	8	14	2	6	7	4	2		1	1							
	17	9730	37		14	05	16	66	8	15	2	5	5	6	3		1	1							
	20	9827	37		14	07	15	66	8	14	2	3	7	4	2		1	1							
	23	9827	35		12	10	12	74	7	15	2	5	7	4	0	2	1		7	07	43	570	0000	37	32
14	02	9824	33		07	09	17	74	7	14	2	6	7	4	0	3	1		7						
	05	9821	33		09	07	16	74	8	02	1	6	5	6	1		1	1							
	08	9822	34		11	09	06	74	8	71	2	7	5	6	1		1	1							
	11	9822	35		13	07	20	66	8	02	2	8	5	6			1								
	14	9818	38		14	05	23	66	8	02	2	6	5	6	2		1	1							
	17	9814	39		14	06	13	66	8	02	2	7	5	6	3		1	1							
	20	9814	39		14	08	13	66	8	01	2	5	5	6		2	1		1						
	23	9818	37		13	06	07	74	7	03	1	7	5	6			1			06	34	380	0000	40	32
15	02	9827	35		12	09	10	74	8	02	2	6	5	6	2		1	1							
	05	9820	36		13	07	05	74	7	02	2	7	5	7			1								
	08	9822	38		13	06	13	74	7	01	2	5	5	7	0	2	1	1							
	11	9815	42		13	06	07	74	4	02	2	4	5	7	0	2	1		1						
	14	9816	40		17	01	08	80	5	01	2	4	0	7	0	3	1	1							
	17	9816	40		18	34	04	80	6	03	1	1	0	7	3	3	1								
	20	9810	39		18	00	00	80	7	02	1	0	0	9	3	3		1							
	23	9802	39		18	00	00	80	7	02	2	0	0	9	3					06	29	338	0000	43	35
16	02	9802	33		12	00	00	80	4	02	2	0	0	9	3	0		1							
	05	9803	34		15	00	00	80	6	03	2	0	0	8	5			1							
	08	9803	34		16	36	08	80	6	02	2	0	0	8	3			1							
	11	9795	35		16	36	07	80	4	01	2	0	0	8	3	0		1							
	14	9797	35		17	29	03	80	2	02	1	0	0	9	0	8			1						
	17	9800	35		12	32	09	80	2	02	1	0	5	6	0	8	1		1						
	20	9803	35		14	26	04	80	0	02	0	0	0	9	0	8									
	23	9818	32		11	05	11	80	1	02	0	0	0	9	0	8			1	03	17	207	0000	37	32
17	02	9833	31		12	05	10	80	1	02	0	1	7	0	0	9	1								
	05	9849	32		14	06	10	80	4	03	0	3	7	0	0	9	2								
	08	9859	33		17	03	12	80	5	03	2	4	7	0	0	9	3		2						
	11	9877	36		18	03	13	74	7	02	2	7	5	6			1		3						
	14	9897	36		21	03	17	74	8	02	2	8	5	6			1								
	17	9912	35		21	04	17	74	8	02	2	8	5	6			1								
	20	9925	36		19	04	10	74	7	02	2	7	5	6			1								
	23	9935	34		21	05	06	74	8	01	2	5	5	6	7		1	1							
18	02	9938	33		25	05	07	66	8	02	1	8	5	6			1			04	29	221	0000	36	30
	05	9953	33		23	05	09	58	8	71	7	8	5	6			1								
	08	9959	33		20	04	16	58	8	71	7	8	5	6			1								
	11	9962	33		17	03	17	66	8	02	7	8	5	6			1								
	14	9965	32		19	03	17	66	8	02	2	8	5	6			1								
	17	9961	32		22	01	09	66	8	02	2	8	5	6			1								
	20	9956	32		24	02	06	66	8	02	2	8	5	6			1								
	23	9955	32		23	03	04	66	8	02	2	8	5	5			1			04	23	282	0000	33	32

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LOCAL STANDARD TIME			TEMPERATURES			SURFACE WIND						LOW CLOUD					DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST				EXTREME TEMPERATURES	
DAY	HOUR	STATION LEVEL PRESSURE	DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED	VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	AMOUNT	TYPE	BASE	MIDDLE CLOUD	HIGH CLOUD	LOW	MIDDLE	HIGH	DIRECTION	SPEED	ANEMOMETER WIND RUN	PRECIPITATION	MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
19	02	9948	32		19	05	05	74	8	02	2	3	6	3	1		1	1							
	05	9944	31		19	03	05	74	8	02	2	8	5	5			1								
	08	9935	32		18	02	09	74	8	01	2	8	5	5			1								
	11	9938	31		22	01	07	74	8	22	2	8	5	5			1								
	14	9937	32		22	01	07	74	7	01	7	6	5	7	3			1							
	17	9932	32		21	02	05	74	6	02	2	4	8	5	3		2	1							
	20	9926	31		23	02	03	66	8	03	1	8	8	5			1								
	23	9930	30		23	05	02	66	8	02	2	8	8	5			1			04	13	246	0000	33	30
20	02	9936	31		23	05	02	66	8	02	2	5	8	5	1		1	1							
	05	9940	31		23	04	02	66	8	02	2	5	8	5	1		1	1							
	08	9942	32		24	03	08	66	8	02	2	5	8	5	1		1	1							
	11	9949	32		23	02	12	66	8	02	2	7	8	5	1		1	1							
	14	9956	32		22	01	12	66	8	02	2	5	5	6	2			1							
	17	9961	31		19	36	05	66	7	02	2	7	5	6			1								
	20	9965	31		21	01	06	66	7	02	2	7	5	6											
	23	9964	30		23	04	06	74	7	01	2	5	5	7	1		1	1		03	14	152	0000	33	30
21	02	9966	30		21	06	05	74	7	02	2	5	5	7	1		1	1							
	05	9964	30		19	05	05	74	7	02	2	5	5	7	1		1	1							
	08	9958	31		19	03	09	74	8	02	2	8	5	6			1								
	11	9947	33		20	01	13	80	5	01	2	3	5	6	1	0	1	1							
	14	9943	33		19	03	13	48	8	15	2	6	7	3	0	8	1		7						
	17	9934	30		26	03	13	09	8	71	7	6	7	3	2		1	1							
	20	9925	30		25	04	12	66	8	22	7	8	2	5			1								
	23	9919	29		22	04	12	66	7	01	2	7	8	5			1			02	19	193	0000	35	28
22	02	9909	28		18	05	09	66	7	02	1	7	8	5			1								
	05	9902	27		19	05	05	66	5	02	1	5	5	5	0	0	1								
	08	9898	29		21	05	08	66	7	70	1	5	7	5	2		1	1							
	11	9889	29		19	02	16	66	7	02	7	7	8	5			1								
	14	9891	31		20	03	17	80	6	70	7	6	8	5			1								
	17	9891	31		19	03	10	80	7	02	7	7	8	5			1								
	20	9886	29		19	04	10	80	4	01	2	4	8	5	0	0	1								
	23	9888	27		15	05	02	80	4	02	2	4	8	5	0	0	1			04	24	276	0003	31	28
23	02	9887	27		10	06	05	80	2	01	2	2	5	6	0	0	1								
	05	9881	26		08	14	05	84	3	02	2	3	5	6	0	0	1								
	08	9873	29		09	01	05	80	1	01	0	1	5	5	0	0	1								
	11	9872	31		13	36	08	80	1	02	0	1	5	5	0	0	1								
	14	9868	32		15	36	05	80	2	02	0	1	5	5	0		1	1							
	17	9864	31		15	01	08	80	4	03	2	4	5	7			1								
	20	9857	30		14	05	08	80	6	03	2	6	5	7	0	0	1								
	23	9853	29		13	06	08	74	7	03	2	7	8	5	0	0	1			01	13	250	0000	31	26
24	02	9845	27		09	05	09	74	4	02	1	2	5	5	2	0		1							
	05	9845	27		10	06	15	74	3	02	2	1	5	5	0	2	1		1						
	08	9841	29		10	06	17	80	5	03	2	1	5	6	0	2	1		1						
	11	9835	31		12	04	22	58	8	15	2	6	7	3	2		1	1							
	14	9832	32		11	05	22	58	8	15	2	5	6	3	2		1	1							
	17	9826	32		11	07	17	48	8	15	2	5	6	3	2		1	1							
	20	9795	31		14	07	20	74	8	02	2	8	5	5			1								
	23	9820	30		13	07	24	74	8	02	2	7	5	6			1			35	12	249	0000	31	27
25	02	9805	30		13	07	25	74	7	02	2	7	5	6			1								
	05	9823	30		12	08	10	80	8	02	2	3	5	6	7		1	1							
	08	9817	32		13	07	12	80	8	02	2	8	5	7			1								
	11	9810	35		11	08	21	80	7	02	2	6	5	7	5		1	1							
	14	9801	37		12	08	20	74	7	02	2	7	5	7	5	1	1	1	1						
	17	9793	37		13	08	20	80	5	01	1	1	5	7	3	9	1	1	1						
	20	9800	34		13	08	25	80	6	02	1	1	5	6	0	9	1		1						
	23	9803	30		12	03	12	80	6	02	2	1	5	6	3	9	1	1	1	07	40	165	0000	35	30
26	02	9800	30		11	06	08	80	7	02	2	4	5	6	3		1	1							
	05	9802	30		11	07	16	80	7	02	2	7	5	5			1								
	08	9803	33		12	08	16	80	7	02	2	7	5	5			1								
	11	9786	34		14	07	24	80	7	02	2	7	5	5	3		1	1							
	14	9810	36		17	04	11	80	6	02	2	4	5	5	3		1	1							
	17	9803	34		17	36	06	82	3	01	2	2	5	6	0	8	1		3						
	20	9796	32		16	22	16	82	4	01	1	0	5	9	0	6			3						
	23	9793	31		17	00	00	82	2	01	1	2	5	7	0	0	1		3	04	33	165	0000	37	30
27	02	9800	28		12	13	04	82	2	01	1	2	5	7	0	0	1		3						
	05	9793	28		14	00	00	82	1	02	2	1	5	8	0	0	1								
	08	9793	30		11	03	04	82	4	02	2	4	5	8	3	9	1		1						
	11	9776	31		10	03	13	82	2	02	2	2	8	7	0	1	1	1	1						
	14	9766	30		11	00	00	82	2	02	2	1	8	7	0	1	1		1						
	17	9749	31		13	26	12	82	3	03	1	0	0	0	0	1			1						
	20	9726	31		13	23	11	82	0	02	0	0	0	9	0	1			1						
	23	9702	29		12	23	08	82	3	02	1	0	0	9	1	1		5	1	04	19	228	0000	36	30

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Results of Surface Observations,
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LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°× 10	kt	VV	Oktas	ww	w	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°× 10	kt	St.miles	Points	°F	°F
28	02	9715	27		11	26	09	88	3	02	1	0	0	9	0	1			1						
	05	9673	26		13	08	07	82	1	02	2	1	2	5	0	0	1								
	08	9663	28		15	04	07	82	1	02	1	1	1	5	0	0	1								
	11	9648	29		15	32	06	82	2	03	1	2	4	6	0	0	1								
	14	9684	30		15	36	10	82	4	03	1	4	4	6	0	0	1								
	17	9715	30		14	35	10	82	2	01	1	2	4	5	0	0									
	20	9753	28		12	09	06	82	3	03	1	3	8	5	0	0	1								
	23	9780	27		14	05	04	82	2	01	1	2	1	6	0	0	1			36	17	246	0000	31	28
29	02	9820	26		14	05	07	80	2	02	1	2	6	5	0	0	1								
	05	9838	28		15	05	09	56	7	71	2	7	6	4			1	1							
	08	9884	30		17	08	16	56	8	86	7	8	6	4			1								
	11	9893	32		17	05	18	66	8	26	7	8	6	4			1								
	14	9937	32		13	05	26	80	7	01	2	7	8	5	4		1	1							
	17	9955	32		16	06	22	80	6	01	2	2	1	5	4		1	1							
	20	9967	30		17	20	10	80	2	01	1	1	4	6	0	1	1		1						
	23	9977	29		18	04	13	74	4	01	3	4	4	7	0	0	1			36	17	480	0000	30	26
30	02	9988	28		17	07	08	80	2	01	2	2	5	6	0	0	1								
	05	9988	30		16	05	11	82	5	03	1	4	5	5	0	6	1								
	08	9976	33		16	00	00	82	2	02	1	1	5	5	6	0	1	1							
	11	9954	32		19	24	11	82	1	02	0	0	0	9	6	0	1	1							
	14	9902	33		20	23	11	82	1	02	0	0	0	9	6	0			7						
	17	9908	32		20	25	12	82	1	02	0	0	0	9	0	1									
	20	9860	31		23	27	10	82	0	02	0	0	0	9	0	0				04	26	197	0000	32	26
	23	9847	31		21	09	03	82	0	02	0	0	0	9	0	0									
31	02	9828	29		11	07	09	82	1	03	0	1	5	5	0	0	1								
	05	9820	29		09	05	16	82	0	02	0	0	0	9	0	0									
	08	9790	31		11	04	24	82	0	02	0	0	0	9	0	0	1								
	11	9797	33		13	03	20	82	1	03	0	0	0	9	4	0	1								
	14	9786	33		16	03	20	82	1	03	0	0	0	9	4	0	1	1							
	17	9786	32		17	04	20	82	7	03	7	7	5	5	0	0	1								
	20	9795	31		16	04	18	74	7	03	2	7	5	5	0	0	1								
	23	9803	28		14	07	06	80	5	01	1	2	5	5	4	0	1	1		28	17	244	0000	33	28

Results of Surface Observations,
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LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
01	02	9810	26		13	05	06	80	3	01	1	3	5	5	0	0	1								
	05	9820	26		12	05	14	82	2	02	0	1	5	6	1	0	1	1							
	08	9827	30		09	07	15	74	7	03	0	7	5	5	0	0	1								
	11	9845	30		07	03	15	74	7	03	1	7	5	5	0	0	1								
	14	9824	30		09	36	11	80	3	01	1	3	5	5	0	0	1								
	17	9811	31		11	29	07	80	3	02	1	2	5	5	0	0	1								
	20	9793	30		11	22	11	80	1	03	0	1	5	6	0	0	1								
	23	9782	29		11	18	04	80	2	03	0	2	4	6	0	0	1			04	16	349	0000	33	29
02	02	9771	24		10	00	00	82	1	01	1	1	5	6	0	0	1								
	05	9769	25		18	04	08	82	1	02	0	0	0	9	0	0									
	08	9799	29		09	02	10	82	1	02	0	0	0	9	0	1			8						
	11	9773	31		12	36	04	82	1	02	0	0	0	9	0	1			8						
	14	9781	31		19	36	03	82	2	02	0	0	0	9	0	5			1						
	17	9798	32		11	36	04	82	2	02	0	1	5	6	0	5	1		1						
	20	9803	33		15	36	05	82	3	02	0	3	5	6	0	8	1		1						
	23	9816	30		15	04	09	82	3	02	0	3	6	6	0	8	1		1	09	26	206	0000	31	26
03	02	9832	27		24	05	13	82	2	02	0	2	5	6	0	0	1								
	05	9851	28		10	05	16	82	2	01	1	2	5	6	0	0	1								
	08	9868	31		12	04	18	83	1	02	0	1	5	6	0	0	1								
	11	9881	33		15	01	12	82	1	02	0	1	5	6	0	0	1								
	14	9899	34		16	36	10	82	1	02	1	0	0	9	0	2			8						
	17	9902	34		15	01	08	82	1	02	1	0	0	9	0	2			8						
	20	9905	33		14	00	00	82	1	02	0	0	0	9	0	2			8						
	23	9905	32		19	00	00	82	0	02	0	0	0	9	0	0				04	17	229	0000	33	24
04	02	9910	28		10	00	00	82	0	02	0	0	0	9	0	0									
	05	9910	29		09	14	06	84	0	02	0	0	0	9	0	0									
	08	9912	32		08	05	07	82	0	02	0	1	4	6	0	0	1								
	11	9904	31		08	36	07	82	0	02	0	0	0	9	0	0									
	14	9898	31		11	31	05	82	0	02	0	0	0	9	0	0									
	17	9885	31		13	02	05	82	1	00	0	1	2	6	0	0	1								
	20	9878	31		13	26	08	82	1	02	0	1	2	6	0	0	1								
	23	9871	29		13	13	01	82	0	01	1	0	0	9	0	0				02	28	201	0000	34	27
05	02	9881	25		08	08	09	82	0	02	1	0	0	9	0	0									
	05	9881	25		06	05	10	82	0	02	0	0	0	9	0	0									
	08	9879	28		08	04	19	82	0	02	0	0	0	9	0	0	0								
	11	9879	31		10	06	24	80	0	02	0	0	0	9	0	0	0								
	14	9883	31		12	02	24	84	1	02	0	1	4	6	0	0	2								
	17	9898	32		14	03	21	84	1	02	0	1	4	6	0	0	3								
	20	9903	30		13	03	24	82	3	03	1	3	4	5	0	0	1								
	23	9915	27		13	05	11	80	2	01	1	2	4	5	0	0				16	28	234	0000	32	27
06	02	9915	32		17	04	11	80	7	03	1	1	5	5	3		1	1							
	05	9915	29		13	05	21	82	3	01	2	2	5	5	3	0	1	1							
	08	9905	34		14	06	20	82	5	03	1	3	5	5	8	0	1	1							
	11	9905	35		14	04	24	82	7	03	2	7	5	6			1								
	14	9895	37		17	05	24	80	7	02	2	7	5	5			1								
	17	9898	34		16	06	38	80	7	02	2	7	5	5			1								
	20	9919	33		16	06	28	80	7	02	2	7	5	5			1								
	23	9919	33		16	07	30	64	7	02	2	8	5	5			1			08	38	450	0000	32	25
07	02	9924	32		14	07	26	64	8	02	2	8	5	5			1								
	05	9925	30		11	06	20	80	7	02	2	7	5	5			1								
	08	9922	32		11	06	24	80	7	00	0	7	5	6			1								
	11	9925	33		12	06	10	80	7	02	2	7	5	6			1								
	14	9918	37		10	04	16	80	7	02	2	2	5	6	7		1	1							
	17	9908	38		11	05	16	80	7	02	2	0	0	9	7			1							
	20	9908	35		12	07	12	80	4	02	2	0	0	9	7	1		1	1						
	23	9912	32		09	07	12	80	3	02	2	0	0	9	7	2		1	1	05	48	556	0000	37	30
08	02	9913	29		07	08	17	80	4	02	2	1	5	5	7	1	2	1	1						
	05	9917	29		07	07	12	82	3	01	2	2	5	6	0	1	1	1	1						
	08	9918	33		09	07	17	82	6	03	1	6	5	6	3	0	1	1							
	11	9922	33		11	07	10	82	7	03	2	7	5	6			1								
	14	9921	36		11	07	24	82	7	02	2	7	5	6			1								
	17	9919	36		10	06	17	82	7	01	2	0	0	9	7			1	1						
	20	9923	34		10	04	18	82	5	01	2	0	0	9	9	9		1	1						
	23	9931	28		07	07	06	82	3	01	2	0	0	9	3	2		1	1	07	37	343	0000	39	27
09	02	9932	27		04	09	08	82	5	02	1	0	0	9	8	0		1							
	05	9939	25		03	11	02	82	1	01	0	0	0	9	7	0		1							
	08	9929	32		08	08	16	82	2	02	0	0	0	9	7	1		2	4						
	11	9924	35		12	05	17	82	2	02	0	0	0	9	8	1		1	4						
	14	9921	38		13	05	16	82	6	03	2	0	0	9	8	0		2							
	17	9922	38		16	04	17	82	7	03	2	7	5	6	5		1								
	20	9929	35		16	05	20	80	7	02	2	7	5	6	5		1								
	23	9939	32		15	05	13	80	7	03	2	7	5	5			1			05	32	267	0000	38	25

LOCAL STANDARD TIME			TEMPERATURES			SURFACE WIND																		EXTREME TEMPERATURES	
DAY	HOUR	STATION LEVEL PRESSURE	DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED	VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD AMOUNT	LOW CLOUD TYPE	LOW CLOUD BASE	MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT LOW	DIRECTION OF CLOUD MOVEMENT MIDDLE	DIRECTION OF CLOUD MOVEMENT HIGH	MAXIMUM WIND GUST DIRECTION	MAXIMUM WIND GUST SPEED	ANEMOMETER WIND RUN	PRECIPITATION	MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
10	02	9948	32		09	07	19	80	7	02	2	7	5	6	0	0	1								
	05	9946	29		05	07	19	82	3	01	2	3	5	7	0	0									
	08	9935	31		08	11	12	82	2	01	1	0	0	9	4	1	1								
	11	9925	35		10	02	10	82	1	01	1	0	0	9	0	1		1	1						
	14	9910	37		14	02	17	82	0	01	1	0	0	9	0	0			1						
	17	9912	37		15	05	10	82	0	01	0	0	0	9	0	0									
	20	9905	33		20	36	02	82	0	02	0	0	0	9	0	0									
	23	9904	31		14	05	09	82	0	02	0	0	0	9	0	0				07	31	362	0000	39	29
11	02	9905	29		11	05	11	82	1	03	0	0	0	8	5	0									
	05	9903	29		10	07	19	82	2	03	1	0	0	9	3	0		4							
	08	9904	32		13	06	26	82	6	03	1	2	5	6	3	0	1	1							
	11	9905	34		13	05	24	82	7	03	2	4	5	6	7		1	1							
	14	9906	33		13	04	14	80	7	02	2	7	5	6			1								
	17	9904	34		15	03	06	80	7	02	2	7	5	7	7		1	1							
	20	9902	33		13	05	04	82	5	02	1	3	5	7	7		1								
	23	9898	26		07	09	04	82	2	01	1	1	5	7	7	9	1	1	1	05	36	265	0000	37	29
12	02	9903	26		07	07	04	82	1	01	1	0	0	9	3	0	0	1	0						
	05	9905	27		07	00	00	82	1	01	1	0	0	9	0	2	0	0	2						
	08	9902	32		09	04	14	84	1	02	1	0	0	9	0	2	0	0	2						
	11	9898	36		11	06	17	84	5	03	1	1	0	9	0	6	0	0	2						
	14	9897	35		15	36	05	84	3	01	1	0	0	9	0	2	0	0	0						
	17	9899	36		15	36	03	84	1	01	0	0	0	9	0	0	0	0	0						
	20	9897	35		19	00	00	84	1	01	0	0	0	9	1	0	0	0	0						
	23	9900	33		12	12	06	82	3	03	1	3	5	6	4	0	4	8	0	05	24	263	0000	37	25
13	02	9903	31		11	14	06	82	4	03	1	4	5	6	0		2	8	0						
	05	9902	31		10	09	06	80	5	03	1	3	5	6	6	0	3	3	0						
	08	9982	35		14	11	19	74	7	03	2	0	0	5	2	6	3	2	0						
	11	9880	36		17	09	14	74	7	02	2	0	0	5	2	2	3	2							
	14	9877	35		17	08	19	74	7	01	2	2	0	7	2	1	3	2							
	17	9885	33		22	03	14	74	7	01	2	2	0	7	2		3								
	20	9893	31		23	06	10	74	9	03	2	2	0	7	2		7	1							
	23	9899	31		20	05	15	74	8	03	2	1	0	7	2		7			09	41	205	0000	36	29
14	02	9901	29		09	05	16	74	8	03	2	8	5	6			7								
	05	9912	29		06	07	14	74	8	15	2	8	5	6			1								
	08	9908	30		05	06	24	80	7	15	1	7	5	6			1								
	11	9909	32		06	02	24	82	7	01	1	2	0	5	1	5	0	1							
	14	9912	33		10	03	16	82	5	01	1	0	0	5	0	6	0	0	1						
	17	9923	32		13	02	11	84	6	03	2	0	0	5	0	6	0	0	1						
	20	9929	30		10	05	07	84	6	03	2	0	0	5	0	6	0	0	1						
	23	9939	27		06	05	21	82	6	03	2	0	0	5	0	6	0	0	1	04	38	356	0000	34	27
15	02	9941	26		02	05	23	82	6	02	2	6	4	6	0	6	1								
	05	9967	27		03	09	07	82	7	03	2	7	4	6	0	6	1								
	08	9976	28		05	05	15	82	7	02	2	7	4	6	0	6	1								
	11	9976	30		09	04	16	82	7	02	2	7	4	6	0	6	1	1							
	14	9983	34		08	06	12	82	7	01	2	7	4	6	0	6	1	1							
	17	9975	34		09	05	14	82	7	03	2	7	4	6	0	6	1								
	20	9971	30		05	05	22	82	7	02	2	7	4	6	5	6	1		2						
	23	9976	27		02	08	26	82	2	01	0	0	0	9	0	6	8		1	05	37	377	0000	36	25
16	02	9935	25		01	07	24	82	5	03	2	5	5	6	7		1								
	05	9929	27		06	07	22	80	7	03	2	7	4	6	7		2	1							
	08	9903	31		09	07	12	80	7	03	2	7	4	6	7		2	2							
	11	9885	32		15	07	33	74	8	03	2	8	4	6	7		2	1							
	14	9888	31		14	04	37	74	8	02	2	8	4	6	7		2	1							
	17	9912	32		16	05	33	74	7	02	2	7	4	6	5		2	1							
	20	9933	30		16	04	29	74	7	01	2	7	4	6	5		2	1							
	23	9958	31		18	05	19	74	6	01	2	6	5	6	5	0	1	1		06	62	416	0000	32	25
17	02	9963	30		17	06	14	74	6	02	2	6	5	6	7		1	1							
	05	9986	32		18	06	16	82	6	01	2	6	5	6	7		1	2							
	08	10000	34		19	06	14	82	7	03	2	7	5	6	7		2	2							
	11	10000	36		19	05	23	82	6	01	2	6	5	6	7		2	2							
	14	10010	37		19	07	17	82	7	03	2	7	5	6	7		2	2							
	17	9999	32		18	08	22	82	7	02	2	7	5	6	7	0	2	2	3						
	20	9989	33		11	11	16	82	7	02	2	7	5	6	7	5	2	2							
	23	9971	33		15	08	20	82	7	02	2	7	5	6	7	7	2	1		04	43	571	0000	35	30
18	02	9942	33		16	07	23	82	7	02	2	7	6	0	7	2	2								
	05	9902	33		18	07	37	66	8	02	2	8	6	0	7	2	2	1							
	08	9860	35		21	08	50	66	8	02	2	8	6	0	7	2	2								
	11	9878	35		16	06	58	66	8	02	2	8	6	0	7	2	2								
	14	9881	35		21	06	45	74	8	02	2	8	6	0	7	2	2								
	17	9881	35		20	07	31	74	7	01	2	7	6	0	7	2	2								
	20	9878	35		20	06	30	66	7	01	2	7	6	0	7	2	2								
	23	9874	35		19	06	35	74	8	02	2	8	6	0	7	2	1	1		04	70	580	0000	40	32

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LOCAL STANDARD TIME			TEMPERATURES			SURFACE WIND						LOW CLOUD					DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST				EXTREME TEMPERATURES	
DAY	HOUR	STATION LEVEL PRESSURE	DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED	VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	AMOUNT	TYPE	BASE	MIDDLE CLOUD	HIGH CLOUD	LOW	MIDDLE	HIGH	DIRECTION	SPEED	ANEMOMETER WIND RUN	PRECIPITATION	MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°× 10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°× 10	kt	St.miles	Points	°F	°F
19	02	9868	34		19	07	26	74	8	02	2	8	8	4			1								
	05	9860	33		17	08	27	82	8	01	2	1	6	5	7		2	2							
	08	9845	31		14	07	33	80	8	03	2	5	7	5	2		2	1							
	11	9841	32		15	07	28	80	8	02	2	5	5	5	7		2								
	14	9827	32		16	07	37	80	7	02	2	7	5	5			2	1							
	17	9824	31		16	05	35	74	7	02	2	7	8	5	2		1	1							
	20	9803	30		15	06	38	74	7	02	2	7	6	5	7		1	1		04	59	734	0000	35	31
	23	9802	30		14	06	49	74	6	01	2	6	6	5	7										
20	02	9806	31		15	07	35	74	5	01	2	5	6	4	7		1	1							
	05	9819	32		17	07	33	74	7	03	2	2	6	5	7		2	2							
	08	9803	34		15	09	33	74	8	01	2	0	0	7	2			2							
	11	9779	35		17	08	42	74	8	03	2	7	6	5	1		2	2							
	14	9749	36		21	07	49	56	5	01	2	3	6	6	7	9	2	2	2						
	17	9770	37		21	07	42	74	2	01	1	1	5	5	2	1	2	2	2						
	20	9784	35		24	05	40	56	6	09	2	5	6	4	7	1	2	2							
	23	9833	35		26	04	45	56	7	09	3	4	6	3	2		1	2		07	71	772	0000	34	30
21	02	9898	34		25	04	28	56	7	09	3	4	6	3	2		2	2							
	05	9908	35		24	05	35	74	6	09	1	5	5	5	3		1	1							
	08	9904	37		22	07	19	74	8	02	2	7	5	6	1		1	1							
	11	9854	39		22	09	17	74	8	02	2	7	5	6	1		1	1							
	14	9800	38		22	09	11	74	8	02	2	8	5	6	1		1								
	17	9753	39		25	05	33	74	6	01	2	3	6	5	4		1	1							
	20	9775	30		26	05	42	04	8	36	3	8	7	0			1								
	23	9874	33		21	05	26	58	7	01	2	7	6	2			1			05	70	899	0000	40	30
22	02	9905	33		26	05	22	58	7	86	7	7	6	2			1								
	05	9934	34		30	04	28	66	7	22	7	4	6	4	0	6	1								
	08	9969	34		28	05	28	58	8	71	7	8	5	4			1		1						
	11	9990	40		25	04	27	80	7	01	2	5	5	5	0	6	1								
	14	10013	38		25	04	25	80	8	03	2	7	5	5	1		1	2	1						
	17	10040	36		26	04	17	80	8	15	2	8	5	5			1								
	20	10056	35		25	04	13	80	8	01	2	7	5	5	1		1	3							
	23	10064	33		26	04	12	80	8	01	2	3	5	5	1		1	1		04	51	663	0000	40	33
23	02	10082	33		26	03	07	66	8	70	2	2	7	5	1										
	05	10081	32		28	14	03	80	6	16	7	3	5	5	3	6	1	1							
	08	10068	33		24	00	00	82	6	02	2	4	5	5	3		1								
	11	10044	36		16	14	10	82	6	02	2	2	0	9	3		1								
	14	10013	38		17	18	09	82	4	01	1	1	0	9	3		1								
	17	9980	37		21	18	06	82	4	01	1	1	0	9	3		1								
	20	9955	30		11	12	07	82	3	01	1	0	0	9	0	6									
	23	9939	27		07	10	06	82	0	02	0	0	0	9	0	0				19	19	320	0000	39	25
24	02	9925	23		05	12	09	82	0	02	0	0	0	9	0	0									
	05	9917	22		04	11	08	82	1	03	0	1	0	9	0	0	2								
	08	9911	27		07	07	08	82	3	03	1	3	0	9	0	5									
	11	9907	28		10	36	06	82	7	03	1	2	0	9	2	5		1	1						
	14	9910	29		09	36	12	82	5	01	1	5	0	9	0	5			1						
	17	9917	30		04	02	13	82	3	01	1	0	0	9	0	2			1						
	20	9929	28		04	03	16	82	8	03	2	0	0	9	0	7			1						
	23	9944	23		03	07	12	82	7	02	2	2	5	7	0	8	2		1	06	25	200	0000	31	21
25	02	9958	25		03	09	16	82	7	02	1	2	5	7	0	8	2		1						
	05	9963	21		02	12	08	82	5	01	1	0	0	9	6	1		2	1						
	08	9968	27		07	04	12	82	5	03	1	3	0	9	6	9		2	1						
	11	9961	30		12	36	08	82	4	01	1	2	0	9	6	9		1	1						
	14	9961	31		15	00	00	82	6	03	1	5	0	9	6	9		1	1						
	17	9953	33		17	20	09	82	6	02	1	6	0	9	6	9		1	1						
	20	9946	33		13	12	04	82	7	02	1	6	0	8	7	9		1	1						
	23	9943	31		13	09	10	82	6	02	1	6	0	8	7			1		07	24	252	0000	33	21
26	02	9939	29		15	07	14	82	7	02	2	6	5	6	7		1	1							
	05	9937	30		18	07	17	80	8	02	2	5	5	6	2		2								
	08	9926	32		16	06	19	80	7	03	2	7	5	6			1								
	11	9912	32		17	06	22	80	8	03	2	8	5	6			1								
	14	9885	31		19	04	23	80	8	03	2	8	5	5			1								
	17	9885	32		21	05	28	80	7	01	2	7	5	5			1								
	20	9881	30		23	04	18	66	7	36	2	2	7	4			1	1							
	23	9868	34		21	04	26	66	8	03	2	2	7	4			1	1		04	42	243	0000	34	29
27	02	9871	34		21	06	32	66	8	09	3	2	7	4			1								
	05	9874	32		19	07	31	48	7	38	3	6	5	4			1								
	08	9885	32		17	07	33	80	6	01	2	5	5	4	1		1	1							
	11	9895	32		14	07	34	80	8	03	2	8	5	4			1								
	14	9898	32		17	07	21	80	8	01	2	8	5	5			1								
	17	9904	31		17	04	17	80	7	02	2	6	5	6		2	1		1						
	20	9902	30		15	04	05	82	7	02	2	7	5	6			1								
	23	9908	27		14	00	00	80	6	01	1	6	5	6			1			04	52	568	0000	34	26

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LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	° × 10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	° × 10	kt	St.miles	Points	°F	°F
28	02	9905	23		10	13	03	80	2	01	1	2	0	9	6			1							
	05	9902	20		07	13	06	82	2	02	1	2	0	9	3	5		1							
	08	9893	25		07	09	05	84	2	02	1	0	0	9	0	1			1						
	11	9884	27		09	02	10	84	1	01	1	0	0	9	0	1			1						
	14	9871	28		12	02	12	84	4	03	1	0	0	9	0	5			1						
	17	9866	28		10	04	12	84	6	02	1	0	0	9	0	6			1						
	20	9861	25		08	05	13	84	6	02	2	0	0	9	0	6			1						
	23	9866	22		05	05	16	84	6	02	2	0	0	9	0	5			1	03	30	274	0000	28	20

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LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	° × 10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	° × 10	kt	St.miles	Points	°F	°F
01	02	9877	18		03	10	09	84	2	02	2	0	0	9	0	6			1						
	05	9881	14		01	14	08	84	3	01	0	0	0	9	0	6			1						
	08	9887	20		03	03	16	84	2	01	0	0	0	9	0	6			1						
	11	9894	22		06	04	23	84	2	02	0	0	0	9	0	6			1						
	14	9915	22		10	03	28	84	6	03	2	5	5	6	4	1	1	1	1						
	17	9930	23		17	04	13	48	8	71	7	8	7	4			1								
	20	9943	20		20	16	04	03		75	7														
	23	9944	25		25	04	24	48	8	36	7	8	6	5			1			03	38	245	0000	26	14
02	02	9955	28		25	04	19	32	8	36	7	8	6	5			1								
	05	9963	28		24	04	21	58	7	36	3	5	6	5	7		1	1							
	08	9963	29		24	04	23	74	7	36	3	6	5	5	7		1	1							
	11	9963	31		24	04	28	74	7	36	3	7	6	5			1								
	14	9959	32		24	04	28	80	7	15	2	6	5	5			1	1							
	17	9958	30		21	05	23	74	7	02	2	7	6	6			1								
	20	9935	28		15	08	24	74	7	02	2	7	6	5			1	1							
	23	9919	23		08	11	11	90	6	01	2	5	5	5	7		1	1		04	47	429	0108	32	25
03	02	9905	21		08	11	15	82	7	02	2	7	5	5			1	1							
	05	9857	21		08	11	08	82	7	02	2	7	0	9	7		1	1							
	08	9837	24		11	13	14	82	7	03	2	6	6	5	7		1	1							
	11	9817	27		13	09	12	82	7	02	2	5	5	6	2		1								
	14	9803	28		12	09	09	80	7	15	2	7	6	5			2								
	17	9795	27		13	11	10	80	8	70	2	8	6	5			2								
	20	9790	26		12	13	10	80	7	02	2	7	6	5			2								
	23	9783	26		12	12	14	74	8	02	2	8	6	5			1			09	26	354	0000	28	20
04	02	9780	26		17	09	08	80	7	70	2	7	6	5			1								
	05	9780	29		17	07	22	80	7	02	7	7	6	5	3		1	1							
	08	9781	29		17	06	33	80	7	02	2	4	5	5	7		1	1							
	11	9791	32		19	04	31	80	7	07	2	4	5	5	7	1	1	1	1						
	14	9811	31		19	05	24	80	7	02	2	3	5	5	7		1	1							
	17	9836	30		20	04	22	74	7	02	2	7	6	5			1								
	20	9857	29		19	04	19	74	8	03	2	8	6	5			1								
	23	9886	28		17	04	09	80	7	01	2	7	5	5			1			06	51	375	0000	32	26
05	02	9907	27		15	04	16	74	8	01	2	8	5	5			1								
	05	9922	23		19	04	12	58	8	70	7	8	6	4			1								
	08	9936	25		14	06	09	74	8	02	2	7	4	5	2		1	1							
	11	9945	26		13	04	16	82	7	01	1	5	7	5	2		1	1							
	14	9946	27		12	02	14	84	3	02	1	0			3			1							
	17	9946	26		10	02	10	84	3	01	1	1	5	5	5	2	1	1	1						
	20	9945	22		05	04	06	82	5	01	1	1	4	5	7		1	1							
	23	9945	20		03	07	07	82	6	00	2	2	4	5	4		1	1		04	28	419	0000	28	20
06	02	9943	18		03	06	07	80	7	02	2	7	5	6			1								
	05	9933	19		04	05	08	80	7	02	2	7	5	6			1								
	08	9917	20		05	07	06	80	7	02	2	7	5	5			1								
	11	9902	21		09	05	08	80	7	02	2	7	5	5			1								
	14	9891	21		09	04	08	80	7	02	2	7	5	5			1								
	17	9877	20		14	06	03	80	7	02	2	7	5	5			1								
	20	9859	19		15	34	03	80	7	15	2	7	5	5			1								
	23	9847	20		16	35	02	58	7	70	2	7	7	4			1			04	14	243	0000	21	17
07	02	9836	17		11	09	07	58	8	70	7	8	7	4			1								
	05	9828	17		08	11	05	74	7	01	7	7	5	5			1								
	08	9820	17		10	14	06	74	7	02	2	7	7	5			1								
	11	9820	19		09	04	10	74	7	02	2	7	5	5			1								
	14	9817	20		09	04	09	74	7	02	2	7	5	5			1								
	17	9814	20		08	12	06	80	7	02	2	5	5	5	2		1	1							
	20	9813	20		07	09	03	80	7	02	2	7	5	5			1								
	23	9813	19		08	12	02	74	7	02	2	7	5	5			1			16	17	150	0000	20	14
08	02	9815	19		09	11	03	74	7	02	2	7	5	5			1								
	05	9819	19		14	00	00	74	7	02	2	7	5	5			1								
	08	9827	21		10	05	06	74	7	02	2	6	5	5	1		1	1							
	11	9830	21		10	05	10	80	7	02	2	7	5	5			1								
	14	9826	22		10	08	05	80	7	02	2	7	5	5			1								
	17	9817	22		12	09	04	80	7	02	2	7	5	5			1								
	20	9808	21		13	05	04	80	7	02	2	7	5	5			1			06	17	141	0000	23	19
	23	9797	21		14	00	00	74	7	70	7	7	5	5			1								
09	02	9790	20		19	17	08	74	7	70	7	7	5	5			1								
	05	9783	21		20	18	07	48	8	70	7	8	6	5			1								
	08	9781	22		22	14	04	56	8	70	7	8	7	4			1								
	11	9778	24		21	09	03	58	8	71	7	8	7	4			1								
	14	9765	25		17	11	10	66	8	00	2	1	1	4	1	5	1		1						
	17	9755	25		13	08	04	74	8	03	2	3	1	4	2		1	1	1						
	20	9744	23		20	04	05	48	8	71	2	6	7	4	7		1		1						
	23	9737	20		20	12	07	09		73	7									13	14	144	0000	25	20

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LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		iib × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
10	02	9726	19		19	11	10	08		73	7														
	05	9710	18		18	12	10	04		73	7														
	08	9692	18		18	12	10	74	8	02	7	8	6	5	7			1							
	11	9671	21		12	00	00	74	7	02	2	7	0	8	7				1						
	14	9664	23		12	15	01	74	7	02	2	7	0	8	7				1						
	17	9656	25		14	00	00	74	7	02	2	7	0	8	7				1						
	20	9647	20		10	07	07	74	8	01	2	2	0	8	2					1					
	23	9649	20		14	08	07	74	8	02	2	4	0	8	2	7	7		1	1	10	17	180	0006	26	18
11	02	9654	24		20	04	12	04	9	73	2	9			0										
	05	9659	25		19	05	11	48	8	02	2	8	6	5	5			1							
	08	9658	25		16	09	16	74	8	02	2	8	6	5	5			1							
	11	9652	27		16	07	15	74	8	02	2	5	6	5	5	7		1							
	14	9645	29		18	04	13	74	8	15	2	6	6	5	4	7		1	1						
	17	9641	28		24	00	00	56	8	71	2	8	6	6	4	7		1	1						
	20	9680	27		26	02	18	08		73	7														
	23	9729	23		23	04	24	02		73	7									05	28	191	0000	29	22
12	02	9771	24		24	04	23	04		73	7														
	05	9812	24		24	02	15	16		73	7														
	08	9830	22		21	04	09	16		73	7														
	11	9847	21		15	34	03	48	8	71	7	8	5	4			1								
	14	9867	21		15	02	12	56	8	70	7	8	6	4			1								
	17	9884	20		17	06	06	74	7	70	7	8	6	4	4	2	1	1	1						
	20	9891	18		14	00	00	66	8	15	7	8	6	4	2		1	1	1						
	23	9893	16		12	14	06	74	7	01	2	4	5	5	7		1	1	1	02	16	377	0000	24	16
13	02	9894	15		10	14	04	66	7	01	1	4	5	5	7		1	1	1						
	05	9898	15		10	09	08	82	2	02	0	1	5	5	3		1	1							
	08	9903	12		07	10	08	82	5	03	0	1	5	5	3		1	1							
	11	9904	20		13	08	05	82	7	03	2	2	5	5	7		2	2							
	14	9910	22		14	00	00	82	6	01	2	2	1	5	7		3	3							
	17	9907	20		14	13	03	82	6	02	2	2	1	5	3		3	1							
	20	9904	18		12	11	04	74	6	02	2	1	5	6	3		1	1							
	23	9901	18		13	09	05	74	5	01	1	5	0	9	3					05	11	162	0000	21	15
14	02	9899	18		12	09	07	74	5	01	1	5	0	9	3			2							
	05	9899	15		09	12	08	82	7	03	2	5	5	5	3		2	2							
	08	9895	18		11	10	08	82	6	03	2	5	5	5	3		2	2							
	11	9889	19		07	07	10	82	7	03	2	1	0	5	3	8	1	1	1						
	14	9885	20		09	04	12	82	2	01	0	0	0	5	3	7		1	1						
	17	9878	19		09	04	06	82	6	03	0	0	0	5	3	1		1	1						
	20	9878	10		01	13	06	80	2	01	0	0	0	5	3	1		1	1						
	23	9881	07		01	12	09	80	2	01	0	0	0	5	3	1			1	03	17	139	0000	20	06
15	02	9888	06		00	12	08	80	1	01	0	0	0	5	0	1									
	05	9894	05		502	11	10	80	1	01	0	0	0	5	0	1			1						
	08	9904	07		00	12	09	84	1	02	0	1	0	5	0	1	1		1						
	11	9915	16		06	04	08	84	5	03	0	1	0	5	0	9		1							
	14	9931	17		07	04	08	84	2	03	1	1	0	5	0	9		1							
	17	9948	16		06	07	03	84	7	03	1	2	2	5	0	0									
	20	9962	15		07	00	00	84	7	02	2	2	7	5	0										
	23	9973	11		04	13	06	84	8	03	2	2	8	5	0		1	1		12	16	200	0000	17	05
16	02	9995	09		04	14	07	84	8	02	2	8	7	5	0			1							
	05	10000	07		00	14	08	84	7	02	2	2	7	5	0			2							
	08	10000	07		501	14	13	82	2	01	2	2	2	5	0	0		3							
	11	10010	13		03	16	06	84	2	02	1	1	2	5	0	0		3							
	14	10000	17		10	20	15	82	7	03	1	1	7	5	0	0		3							
	17	10000	14		05	13	04	82	2	02	0	0	2	5	0	1			3						
	20	10000	11		03	09	03	80	1	02	0	0	0	5	0	5			3						
	23	9980	06		00	11	06	82	0	01	1	0	0	5	0	0				15	18	211	0000	18	06
17	02	9969	08		00	12	08	82	0	01	1	0	0	5	0	0									
	05	9959	07		00	15	06	82	1	01	0	0	0	5	0	0									
	08	9928	12		03	16	04	82	7	03	0	0	7	5	0	1			5						
	11	9905	21		09	05	14	80	8	03	2	2	8	5	0	1			6						
	14	9875	25		10	05	04	80	8	02	2	2	8	5	0	1									
	17	9858	23		10	07	23	80	8	03	2	2	8	5	0	1									
	20	9863	22		09	07	18	74	6	36	2	2	2	5	0	1	1								
	23	9865	20		15	07	30	48	8	36	2	3	2	5	0	1	1	1		07	52	162	0000	25	06
18	02	9864	19		17	07	35	32	8	38	3	8	0	9	2			1							
	05	9878	19		13	07	30	56	8	38	3	8	0	9	2			1							
	08	9888	20		20	06	24	60	8	36	3	8	0	6	2			1							
	11	9887	21		05	07	26	60	7	02	3	7	0	6	2			1							
	14	9888	22		03	07	26	74	7	02	2	6	0	5	2			1							
	17	9897	20		02	11	08	80	2	01	2	1	0	5	4			2							
	20	9903	14		502	13	11	82	1	01	0	0	0	5	0	0									
	23	9906	12		504	14	10	82	0	01	0	0	0	6	0					06	54	486	0000	22	12

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LOCAL STANDARD TIME			TEMPERATURES			SURFACE WIND						LOW CLOUD					DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST				EXTREME TEMPERATURES	
DAY	HOUR	STATION LEVEL PRESSURE	DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED	VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	AMOUNT	TYPE	BASE	MIDDLE CLOUD	HIGH CLOUD	LOW	MIDDLE	HIGH	DIRECTION	SPEED	ANEMOMETER WIND RUN	PRECIPITATION	MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
19	02	9895	11		505	13	09	82	0	01	0	0	0	9	0	0									
	05	9884	09		507	11	13	84	0	02	0	0	0	9	0	0									
	08	9862	11		505	11	12	84	0	02	0	0	0	9	0	0									
	11	9844	14		504	13	06	84	0	02	0	0	0	9	0	0									
	14	9823	16		502	00	00	84	0	02	0	0	0	9	0	0									
	17	9805	13		504	12	16	84	0	02	0	0	0	9	0	0									
	20	9783	08		507	13	14	74	0	02	0	0	0	9	0	0									
	23	9780	07		505	12	08	74	0	02	0	0	0	9	0	0				11	27	338	0000	18	07
20	02	9780	08		505	09	08	80	0	02	0	0	0	9	0	0									
	05	9789	11		503	09	08	80	0	02	0	0	0	9	0	0									
	08	9753	16		01	07	06	84	0	02	0	0	0	9	0	0									
	11	9775	23		05	08	16	84	0	02	0	0	0	9	0	0									
	14	9766	26		07	07	23	84	5	03	0	1	5	6	3	0	2	1							
	17	9763	26		08	08	17	84	3	02	0	2	0	7	4	1		1	1						
	20	9758	23		09	09	16	84	1	01	1	1	0	9	4	0		1							
	23	9758	17		15	08	08	84	1	01	1	1	0	9	4	0		1		07	35	209	0000	20	07
21	02	9764	16		16	08	12	84	2	03	1	1	5	6	4	0	2	1							
	05	9766	16		12	08	04	74	7	03	2	7	5	6			3								
	08	9759	17		11	07	24	66	8	36	3	8	5	6			3								
	11	9778	18		17	06	26	48	8	38	3	8	7	5			1								
	14	9781	21		19	05	26	66	7	01	3	7	5	5			1								
	17	9786	21		17	05	29	74	7	02	2	7	5	5			1								
	20	9791	22		13	05	20	74	4	01	2	4	5	5			1								
	23	9803	20		08	07	12	80	3	01	1	3	5	5	0	0	1			04	47	325	0000	22	15
22	02	9803	23		12	05	19	82	8	02	2	7	5	5			1								
	05	9803	24		09	09	15	82	7	02	2	7	5	5			1								
	08	9803	22		09	08	16	82	8	03	2	8	5	5			2								
	11	9803	22		09	05	16	80	8	02	2	8	5	5			2								
	14	9807	23		10	07	10	80	8	02	2	8	6	5			3								
	17	9808	21		09	04	18	74	8	02	2	8	6	5			2								
	20	9815	20		07	06	15	80	5	01	2	5	5	5			2								
	23	9823	19		06	06	15	80	4	01	1	4	5	5			2			04	35	478	0000	24	18
23	02	9834	18		06	07	09	80	6	02	1	6	5	5			2	1							
	05	9843	18		07	09	08	80	7	02	1	7	5	6	7		1	1							
	08	9854	17		03	10	04	80	7	02	2	7	5	6	2		2		1						
	11	9862	20		01	07	13	82	8	01	2	1	5	6	0	7	2		1						
	14	9863	19		02	07	10	82	7	02	2	0	0	9	0	8			1						
	17	9865	18		02	04	12	82	3	01	2	1	5	6	0	8	1		1						
	20	9868	13		01	09	06	80	2	01	0	0	0	9	0	8									
	23	9871	14		03	08	04	80	0	01	0	0	0	9	0	0				04	26	272	0000	20	13
24	02	9875	15		03	08	04	80	3	03	0	3	5	6	0	0	1								
	05	9874	16		03	07	09	80	6	03	1	6	5	6			1								
	08	9884	17		04	05	09	82	4	01	1	2	5	6	5	1	1	1	1						
	11	9896	21		05	04	16	82	4	02	2	2	5	6	5	1	1	1	1						
	14	9900	20		05	04	12	82	7	03	2	2	5	6	3		1	1							
	17	9904	18		03	04	12	82	6	03	2	5	5	6		1	1		1						
	20	9908	14		00	07	06	82	2	01	2	2	5	6	0	0	1								
	23	9910	12		00	06	10	82	1	01	1	1	5	6	0	0	1			05	24	198	0000	22	12
25	02	9915	12		01	04	14	82	1	01	0	1	5	6	0	0	1								
	05	9922	11		00	06	10	82	6	03	1	4	5	5	5		2	3							
	08	9928	12		01	05	13	82	3	01	1	3	5	6	0	0	2								
	11	9926	16		05	04	16	82	1	01	1	1	5	6	0	0	1								
	14	9930	17		03	04	13	82	1	01	1	1	0	9	4	0		1							
	17	9933	15		03	04	10	82	1	02	1	1	5	6	0	0	1								
	20	9936	11		01	05	09	82	2	02	0	1	5	6	4	0	1	1							
	23	9940	12		505	08	07	82	4	02	0	4	5	6	0	0	1			04	25	267	0000	17	11
26	02	9934	07		502	11	04	82	0	01	1														
	05	9927	06		503	13	05	84	0	01	1														
	08	9912	08		502	16	05	84	0	02	0														
	11	9902	17		03	14	04	84	1	02	0	0	0	9	0	2			1						
	14	9880	18		04	23	04	84	0	02	0														
	17	9870	18		06	18	06	84	1	03	0	1	5	6	0	0	3		1						
	20	9855	17		08	09	05	84	2	02	0	1	5	6	3	0	1	1							
	23	9842	19		13	00	00	84	7	70	2	7	5	5			2			17	10	218	0000	19	06
27	02	9828	21		10	09	03	74	8	02	7	8	6	5			1								
	05	9825	20		09	08	09	74	8	02	2	8		5			1								
	08	9820	21		08	11	02	80	7	01	2	6	6	5	0	8	1		1						
	11	9817	23		09	16	04	80	7	01	2	6	6	5	2		1	1							
	14	9806	24		10	20	04	74	7	02	2	7	5	5			1								
	17	9792	26		14	00	00	74	7	22	2	7	6	5			1								
	20	9779	26		17	04	10	74	7	02	2	7	6	5			1								
	23	9757	29		17	08	03	74	7	02	2	7	6	5			1			07	22	134	0000	29	19

Results of Surface Observations,
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LOCAL STANDARD TIME			TEMPERATURES			SURFACE WIND							LOW CLOUD					DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST				EXTREME TEMPERATURES	
DAY	HOUR	STATION LEVEL PRESSURE	DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED	VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	AMOUNT	TYPE	BASE	MIDDLE CLOUD	HIGH CLOUD	LOW	MIDDLE	HIGH	DIRECTION	SPEED	ANEMOMETER WIND RUN	PRECIPITATION	MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	° × 10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	° × 10	kt	St. miles	Points	°F	°F
28	02	9741	30		21	05	31	74	8	03	2	8	6	4			1								
	05	9741	29		22	04	33	74	7	03	2	7	5	5			1								
	08	9746	30		21	06	33	56	8	03	2	1	7	4	7		1	1							
	11	9768	30		20	05	37	74	8	02	2	2	7	4	7		1	1							
	14	9775	31		20	05	37	74	7	03	2	1	7	4	7	1	1	1							
	17	9776	29		20	05	45	74	7	01	1	2	7	4	4	8	1	2	2						
	20	9797	29		20	04	40	74	7	02	2	2	6	4	1		1	1							
	23	9807	28		20	05	42	74	7	02	2	1	6	4	7		1	1		05	61	348	0000	31	28
29	02	9814	28		19	06	38	74	7	02	1	1	6	4			1								
	05	9807	28		19	06	38	74	7	02	1	7	5	5			1								
	08	9791	29		20	07	37	74	8	01	2	6	5	5	7		1	1							
	11	9763	29		18	07	39	66	8	01	2	1	7	5	7		1	1							
	14	9745	30		19	07	50	65	7	01	2	1	7	5	7		1	1							
	17	9748	29		21	06	53	65	7	01	2	7	5	5			1								
	20	9781	29		21	05	52	56	8	19	3	8	5	5			1								
	23	9808	29		19	05	41	56	8	09	3	8	5	5			1			04	88	912	0000	31	28
30	02	9830	29			05	44	56	8	09	3	8	6	5			1								
	05	9850	28			05	42	56	8	02	2	6	6	5	2		1	1							
	08	9860	28		19	05	35	74	8	02	2	5	6	5	2		1	1							
	11	9865	28		19	04	37	74	8	02	2	1	6	5	7		1	1							
	14	9858	28		19	06	37	74	7	02	2	1	6	5	7		1	1							
	17	9864	28		17	04	29	74	7	02	2	6	6	5	3		1	1							
	20	9860	27		15	06	23	80	7	01	2	3	0	9	7	8		1	1						
	23	9850	25		18	06	13	80	8	03	2	4	0	9	7	8		1	1	04	71	1105	0000	29	24
31	02	9836	25		15	04	27	74	7	02	2	7	0	9	7			1							
	05	9826	25		15	04	26	66	8	70	2	6	7	4	2		1	1							
	08	9809	24		20	00	00	66	8	70	7	3	7	4	2		1	1							
	11	9790	26		20	00	00	74	8	01	1	2	7	5	2		1	1							
	14	9771	28		18	00	00	82	6	01	2	1	5	5	4	2	1	1	1						
	17	9757	27		16	00	00	90	4	01	1	1	5	5	4	2	1	1	1						
	20	9778	22		17	05	10	90	3	01	1	1	5	5	3	8	1	1	1						
	23	9803	23		18	04	17	74	6	70	7	3	5	5	3	1	1	1	1	04	43	492	0000	29	21

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LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
01	02	9823	21		17	04	15	32	8	12	7	8	5	5			1								
	05	9843	24		21	04	17	48	8	70	2	8	5	5			1								
	08	9861	25		24	04	20	58	8	70	7	7	7	4	2		1	1	1						
	11	9882	26		23	04	13	58	8	22	7	8	7	4			1	1							
	14	9890	25		24	03	05	58	8	70	7	5	7	4	2		1	1	1						
	17	9893	25		24	04	09	58	8	70	7	5	5	5			1	1				-			
	20	9867	25		21	04	13	58	8	36	7	8	5	5			1								
	23	9856	26		18	07	14	55	8	36	5	2	5	5	1		1		1	08	42	260	0000	26	23
02	02	9842	26		26	07	26	58	8	36	3	2	5	5	1		1		1						
	05	9824	25		13	09	25	74	8	00	3	5	5	5	1		1	1							
	08	9808	24		10	10	28	74	8	01	2	5	5	5	7		1	1							
	11	9899	24		10	11	24	74	8	01	2	7	5	5	7		1	1							
	14	9808	27		11	12	20	74	8	01	2	7	5	5	7		1	1							
	17	9791	28		12	09	10	74	8	02	2	6	6	5	7		1	1							
	20	9791	27		12	09	20	74	8	02	2	7	6	5	7		1	1							
	23	9805	25		10	12	16	74	8	02	2	8	5	5			1			09	45	429	0000	28	23
03	02	9812	26		10	12	16	74	8	02	2	8	5	5			1								
	05	9829	26		10	11	14	74	8	02	2	8	5	5			2								
	08	9854	26		11	14	04	75	8	02	2	8	5	5			2								
	11	9886	27		16	14	05	58	8	70	7	8	0	5	2		2								
	14	9907	27		15	14	04	58	8	70	7	8	0	5	2		2								
	17	9939	27		14	15	03	74	3	02	7	8	0	5	2		2	1							
	20	9956	23		11	11	06	74	4	01	1	1	5	6	1	0	1	1							
	23	9966	20		10	13	07	74	2	01	1	2	0	7	7	0		1		10	36	409	0000	27	19
04	02	9973	17		05	11	09	82	1	01	1	1	0	7	3	0		1							
	05	9976	16		10	12	09	83	2	02	1	2	0	7	7	0		1							
	08	9973	15		06	12	06	84	5	02	1	2	0	7	3	0		8							
	11	9969	22		06	04	12	80	7	03	2	2	5	5	7	9	1	1							
	14	9949	23		07	00	00	80	8	03	2	8	0	9	7	2									
	17	9930	22		06	16	04	80	8	02	2	8	0	9	2			1							
	20	9908	23		07	04	26	80	8	02	2	8	0	9	2			1							
	23	9895	23		06	04	17	80	8	01	2	8	0	9	1			1		03	37	101	0000	..24	15
05	02	9880	22		10	04	14	74	8	70	7	8	0	9	1			1							
	05	9877	19		18	04	17	04		73	7														
	08	9871	19		18	00	00	32		73	7														
	11	9869	20		20	16	02	08	8	71	7	8	0	3	1										
	14	9868	20		20	18	03	32	8	71	7	8	0	6	1			1							
	17	9865	20		20	00	00	48	8	71	7	6	7	5	1			1							
	20	9859	19		18	04	07	08		71	7														
	23	9851	20		15	07	06	08		70	7									04	31	237	0002	23	18
06	02	9837	19		14	07	06	74	8	02	7	8	5	5			1								
	05	9830	19		15	00	00	74	8	70	7	8	5	5			1								
	08	9821	16		14	16	03	58	8	71	7	8	6	4			1								
	11	9820	16		09	00	00	63	7	01	7	1	8	4	7		1	1							
	14	9818	18		09	00	00	74	7	01	2	5	5	5	7		1	1							
	17	9819	15		07	13	04	66	6	01	2	1	8	4	7		1	1							
	20	9824	14		05	05	05	66	6	03	2	7	5	5	7		1	1							
	23	9843	11		01	10	04	66	6	02	2	2	5	5	3	0	1	1		04	18	159	0003	20	11
07	02	9843	04		506	09	05	80	6	01	2	2	5	5	3	0	1	1							
	05	9829	04		506	10	04	74	6	02	2	6	0	9	3	0		5							
	08	9833	07		502	09	07	74	7	03	2	7	5	7			5								
	11	9844	10		01	07	09	74	7	03	1	7	5	5			5								
	14	9847	11		00	05	10	74	7	02	2	7	5	5			5								
	17	9856	12		01	04	17	74	7	02	0	7	5	5			8								
	20	9862	11		01	06	10	74	7	02	2	7	5	5			1								
	23	9874	11		501	07	06	74	7	02	2	7	5	5			1			02	24	136	0000	12	03
08	02	9889	11		00	11	02	74	7	02	2	7	5	5			8								
	05	9895	10		02	12	06	66	7	02	2	7	5	5			8								
	08	9902	06		02	13	08	66	7	02	2	7	5	5			8								
	11	9913	06		00	11	05	74	7	02	2	8	5	5			8								
	14	9922	09		501	00	00	74	8	02	2	8	5	5			8								
	17	9925	09		02	00	00	74	8	02	2	8	5	5			3								
	20	9929	05		00	13	10	74	8	02	2	8	5	5			3								
	23	9939	04		505	12	10	74	8	02	2	8	5	5			3			03	16	213	0000	11	03
09	02	9943	04		507	13	05	74	8	02	2	8	5	5			3								
	05	9948	01		506	13	10	74	8	02	2	8	5	5			1								
	08	9942	02		509	13	08	74	7	02	2	7	5	5			4								
	11	9952	06		507	06	07	74	7	02	2	6	5	5		9	4		1						
	14	9952	06		507	12	03	74	6	01	2	3	5	5	3		4	5							
	17	9952	05		505	00	00	74	6	03	2	2	5	5	3	2	4	5	1						
	20	9952	05		506	14	04	74	6	01	2	2	5	5	3	2	3	5	1						
	23	9951	05		505	00	00	74	6	01	2	5	5	5			3			14	13	200	0000	07	01

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LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
10	02	9942	09		502	00	00	74	8	02	2	8	5	5			3								
	05	9939	08		00	00	00	66	7	02	2	7	5	5			1								
	08	9935	08		501	07	04	74	8	02	2	8	5	5											
	11	9932	09		02	00	00	74	8	70	7	8	5	5			1								
	14	9932	11		08	26	10	58	8	70	7	8	5	5			1								
	17	9946	07		02	26	10	74	7	02	7	6	5	5	1		8	7							
	20	9959	05		01	29	07	63	8	70	7	8	7	5			5								
	23	9964	05		01	29	04	66	8	70	7	8	7	5			5			27	21	099	0000	11	05
11	02	9966	06		02	00	00	66	8	02	7	8	6	5			5								
	05	9968	06		04	00	00	66	8	02	2	8	6	5			5								
	08	9956	03		00	00	00	80	6	01	2	4	5	5	5		5	5							
	11	9961	09		01	00	00	80	5	01	2	2	5	5	3	0	5	5	6						
	14	9963	10		01	00	00	74	7	03	2	7	5	5			5								
	17	9949	10		05	07	12	80	8	03	2	8	5	5			1								
	20	9946	09		03	16	07	80	8	02	2	8	5	5			1								
	23	9950	10		02	17	07	80	8	02	2	8	5	5			1			07	14	064	0000	10	06
12	02	9917	11		03	17	06	80	7	01	2	7	5	5			1								
	05	9899	12		03	15	05	80	7	01	2	7	5	5			1								
	08	9885	12		03	14	10	74	7	02	2	7	5	5			1								
	11	9869	15		11	20	08	04		73	2														
	14	9864	16		16	17	03	04		73	7														
	17	9863	20		19	07	04	48	8	70	7	8	6	2			1								
	20	9861	19		16	16	03	56	8	70	7	8	6	4			1								
	23	9861	23		18	06	09	48	8	70	7	8	6	4			1			09	19	156	0000	23	10
13	02	9858	22		14	16	02	48	8	70	7	8	6	4			1								
	05	9854	23		15	00	00	48	8	02	7	8	6	4			1								
	08	9853	23		13	00	00	63	7	01	2	7	6	4			1								
	11	9848	27		13	11	10	63	7	01	2	6	6	4			1								
	14	9836	27		14	07	24	56	7	36	3	6	6	4			1								
	17	9839	27		14	09	10	56	8	36	3	7	6	4			1								
	20	9840	27		12	09	16	58	8	36	3	8	5	5			1								
	23	9834	25		13	07	29	32	8	36	3	8	5	5			1			07	49	139	0004	27	22
14	02	9847	26		09	11	10	58	8	36	3	8	5	5			1								
	05	9844	24		10	16	08	66	8	02	2	8	5	5			2								
	08	9823	28		13	09	22	63	8	14	3	2	6	4			2								
	11	9823	28		13	08	30	66	7	36	3	6	5	5	4		1	1							
	14	9827	27		13	08	29	74	6	36	3	1	5	6	7		1	1	1						
	17	9843	23		07	09	30	74	8	02	3	1	5	6	7	6	1	1	1						
	20	9843	22		07	09	22	74	8	01	3	1	5	6	7	6	1	1	1						
	23	9849	23		07	09	22	74	7	02	2	7	5	6			1			09	52	329	0000	29	22
15	02	9857	25		08	09	10	74	7	02	2	7	5	6			1								
	05	9864	24		09	16	06	30	7	02	2	7	5	6			1								
	08	9878	23		09	14	06	56	7	70	2	7	5	5	3		1	1							
	11	9881	25		11	10	06	58	8	70	7	8	5	5			1								
	14	9875	25		09	09	12	66	8	70	7	8	5	5			1								
	17	9878	24		08	08	10	66	8	02	2	8	5	5			1								
	20	9875	21		05	12	02	66	8	02	2	8	5	5			1								
	23	9875	20		01	09	06	74	8	01	2	5	5	5	1		1	1		09	34	489	0000	26	20
16	02	9878	19		03	09	05	74	6	01	2	3	5	5	1		1	1							
	05	9882	19		03	08	17	74	4	01	2	2	5	5	1		1	1							
	08	9891	20		05	08	10	74	7	03	2	6	5	5	1		1	1							
	11	9902	21		04	09	10	74	7	02	2	7	5	5			1								
	14	9912	22		06	15	04	74	7	02	2	6	5	5	1		1	1							
	17	9930	23		07	09	09	74	7	02	2	7	5	5	2		1	1							
	20	9946	23		10	09	16	74	7	02	2	7	5	5			1								
	23	9959	23		09	09	08	74	7	02	2	7	5	5			1			07	31	240	0000	23	19
17	02	9973	22		07	09	04	74	7	02	2	7	5	5			1								
	05	9994	22		06	07	04	74	7	02	2	7	5	6			1								
	08	10007	21		06	00	00	74	7	14	2	7	5	6			1								
	11	10016	20		08	17	04	74	7	02	2	7	5	6			1								
	14	10025	22		08	00	00	74	7	02	2	8	5	6			1								
	17	10030	21		09	00	00	74	8	02	2	8	5	6			1								
	20	10030	20		08	00	00	74	8	02	2	8	5	6			1								
	23	10024	19		07	00	00	74	8	02	2	8	5	6			1			07	18	179	0000	23	18
18	02	10017	19		09	06	04	74	8	02	2	8	5	6			1								
	05	10007	18		11	07	04	66	8	02	2	7	5	5	7		1	1							
	08	9990	18		09	06	03	74	8	02	2	7	5	5	7		1	1							
	11	9975	18		09	00	00	80	6	01	2	5	5	6	7		1	1							
	14	9966	18		09	00	00	80	5	01	1	2	5	6	5		1	1	1						
	17	9956	16		07	07	04	80	7	03	1	2	5	6	5	9	1	1							
	20	9951	17		04	05	10	80	7	02	2	5	5	6	5		1	1							
	23	9952	15		00	05	12	80	7	02	2	5	5	6	5		1	1		04	18	098	0000	19	14

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LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
19	02	9948	13		502	02	18	80	7	02	2	5	5	5	5		1	1							
	05	9944	11		504	04	16	80	7	02	2	7	5	5			1								
	08	9942	10		506	04	17	74	8	02	2	8	5	5			1								
	11	9935	10		506	04	14	74	8	02	2	8	5	5			1								
	14	9929	11		504	03	14	74	8	01	2	1	5	5	3		1	1							
	17	9925	10		505	06	06	74	8	03	1	8	5	5			1								
	20	9919	10		504	17	03	74	8	02	2	8	5	5			1								
	23	9905	09		503	00	00	80	2	01	1	2	5	5	0	0	1			04	30	249	0000	14	09
20	02	9894	13		501	06	16	74	5	03	1	2	5	5	3		1	1							
	05	9877	15		00	06	08	74	8	03	1	4	5	5	3		1	1							
	08	9856	17		03	06	17	66	8	03	1	6	5	5	7		1	1							
	11	9841	18		04	08	13	58	8	70	2	8	5	5			1								
	14	9820	19		06	09	09	66	8	70	7	8	5	5			1								
	17	9800	17		16	22	07	08		73	7														
	20	9780	18		18	16	07	02		75	7														
	23	9753	20		16	07	07	02		38	7									07	43	274	0000	21	09
21	02	9726	22		17	08	16	04		38	3						1								
	05	9711	23		18	07	09	48	8	36	3	7	7	4			1								
	08	9689	22		18	07	24	48	8	38	3		7	4											
	11	9659	20		20	07	22	00		38	3						1								
	14	9665	20		20	07	30	00	7	36	3	4	7	4			1								
	17	9678	20		18	09	37	00	8	38	3	3	7	4	2		1	1							
	20	9710	19		15	07	31	32	6	36	3	2	7	4			1								
	23	9756	18		13	07	17	74	0	02	0	0	0	9	0	0	1			07	54	306	0054	23	18
22	02	9790	18		10	11	23	66	5	03	1	5	5	5			1								
	05	9827	16		06	08	16	74	7	03	1	7	5	5			1								
	08	9852	12		00	13	12	74	1	01	1	1	5	5	7	0	1	1							
	11	9881	12		502	13	08	80	0	02	1	0	0	9	0	0									
	14	9897	12		501	12	04	80	0	02	0	0	0	9	0	0									
	17	9908	08		504	15	06	80	0	02	0	0	0	9	0	0									
	20	9910	06		506	13	08	74	0	02	0	0	0	9	0	0									
	23	9914	04		514	13	07	80	0	02	0	0	0	9	0	0				09	39	581	0000	18	04
23	02	9913	03		507	12	05	80	0	02	0	0	0	9	0	0									
	05	9905	01		511	13	10	80	0	02	0	0	0	9	0	0									
	08	9888	02		510	12	06	82	1	02	0	0	0	9	0	1			1						
	11	9875	05		509	12	06	82	1	02	0	0	0	9	0	1			1						
	14	9858	07		507	13	06	82	2	02	0	0	0	9	0	8			1						
	17	9837	04		509	00	00	82	2	02	0	0	0	9	0	8			1						
	20	9817	01		511	11	06	82	1	02	0	0	0	9	0	8			1						
	23	9800	01		511	11	08	82	1	02	0	0	0	9	0	8			1	11	16	182	0000	07	00
24	02	9783	00		512	11	10	82	1	02	0	0	0	9	0	8			1						
	05	9765	08		511	11	06	82	1	02	0	0	0	9	0	8			1						
	08	9749	02		511	12	04	82	0	02	0	0	0	9	0	0									
	11	9742	03		510	11	08	82	0	02	0	0	0	9	0	0									
	14	9753	03		510	13	10	82	0	02	0	0	0	9	0	0									
	17	9752	501		513	07	04	82	1	03	0	0	0	9	0	2			1						
	20	9763	501		512	14	02	82	2	03	0	0	0	9	0	2			1						
	23	9756	501		512	14	04	82	1	01	0	0	0	9	0	2			7	12	17	200	0000	03	501
25	02	9758	00		511	11	06	82	0	02	0	0	0	9	0	0									
	05	9749	04		508	00	00	82	0	02	0	0	0	9	0	0		1	8						
	08	9742	08		505	07	15	82	6	03	0	5	6	0	0	5		1	8						
	11	9743	10		504	07	17	80	7	03	2	3	1	0	5	5	1	1							
	14	9737	11		502	03	17	80	8	03	3	3	1	5	5	7	1	1							
	17	9746	10		502	05	04	74	8	03	3	3	4	5	5	7	1	1							
	20	9747	12		501	06	04	74	8	02	2	2	2	5	5	1	1	1							
	23	9747	15		501	06	14	74	6	01	2	2	2	5	5	1	0	1		05	39	187	0000	15	00
26	02	9749	13		502	00	00	74	7	01	2	5	5	5	5	1	0	1	1						
	05	9749	16		04	23	02	74	7	70	7	7	5	5	4	2		1	1						
	08	9755	18		04	23	17	74	8	15	2	7	3	7	5	2		1	1						
	11	9765	17		04	20	18	74	8	15	2	2	6	6	5	2		1	1						
	14	9780	17		04	21	22	74	7	15	2	2	4	6	5			1	1						
	17	9798	16		03	20	18	74	7	02	2	2	7	6	4			1	1						
	20	9807	16		04	20	20	61	8	15	2	2	1	7	4			1	1	19	44	267	0000	18	13
	23	9824	17		04	21	18	61	8	02	2	1	1	7	4			1	1						
27	02	9833	15		04	23	08	48	8	77	2	1	7	4			1		1						
	05	9837	14		09	00	00	74	8	02	2	7	6	4			8		1						
	08	9841	17		07	00	00	74	8	02	2	8	7	4			8		1						
	11	9837	16		06	00	00	74	8	02	2	8	5	5			1		1						
	14	9837	16		07	00	00	74	8	02	2	8	5	5			1		1						
	17	9834	14		06	00	00	66	8	70	2	8	6	4			1		1						
	20	9814	14		06	00	00	66	8	70	7	8	6	4			1		1						
	23	9839	12		05	28	02	66	8	02	2	8	6	4			1		1	23	30	350	0000	17	12

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LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	° × 10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	° × 10	kt	St.miles	Points	°F	°F
28	02	9841	12		05	18	03	66	8	02	2	8	6	4			1								
	05	9825	12		01	19	07	66	8	02	2	8	6	4			1								
	08	9824	10		502	18	06	74	8	02	2	8	6	4			1								
	11	9824	10		502	17	06	74	8	02	2	8	5	5			1								
	14	9827	10		502	17	06	74	8	02	2	8	5	5			1								
	17	9827	09		503	16	06	74	8	02	2	8	5	5			1								
	20	9824	08		502	20	04	74	8	02	2	8	5	5			1			19	14	121	0000	12	08
	23	9829	09		501	00	00	74	8	02	2	8	5	5			1								
29	02	9831	08		00	20	02	74	8	02	2	8	5	5			1								
	05	9845	06		04	04	02	74	8	02	2	8	5	5			1								
	08	9854	07		04	00	00	80	7	02	2	7	5	5			1								
	11	9869	07		504	18	02	80	7	01	1	2	5	6	5	1	8	8	1						
	14	9877	05		504	00	00	80	7	02	2	2	5	6	5		8	8							
	17	9878	06		504	00	00	80	8	03	2	8	5	5			1								
	20	9878	08		502	00	00	74	8	02	2	3	5	5	1		1	8							
	23	9888	08		02	26	02	74	8	02	2	8	0	7	1			8		17	16	147	0000	09	05
30	02	9891	09		00	25	02	74	8	02	2	5	0	7	1			8							
	05	9890	07		503	26	06	80	5	01	1	2	5	6	4		1	8							
	08	9887	04		506	26	06	80	4	01	1	1	5	6	1	5	1	8	7						
	11	9887	06		505	20	02	80	7	03	1	2	5	6	7		8	1	8						
	14	9883	06		505	22	02	80	7	03	1	3	5	6	7	9	8	1							
	17	9880	06		505	26	01	80	7	03	1	4	5	6	5		8	1							
	20	9876	04		505	00	00	74	6	02	2	2	5	6	5		8	1		17	21	134	0000	09	03
	23	9867	04		506	28	06	74	8	03	2	6	5	6	5										

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LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
01	02	9866	04		506	00	00	74	6	01	2	3	5	6	5		8	1							
	05	9865	06		506	23	04	63	8	70	3	4	7	4	1		1	1							
	08	9875	07		504	16	16	74	8	70	7	8	0	9	2			1							
	11	9882	08		501	18	16	74	8	02	7	8	0	9	2			1							
	14	9883	09		03	17	13	74	8	02	2	8	0	9	2			1							
	17	9881	09		05	00	00	74	8	02	2	8	0	9	2			1							
	20	9873	10		09	34	07	16	8	71	2	8	0	9	1			1		03	33	167	0000	14	04
	23	9860	13		12	34	07	16	8	71	7	8	0	9	2										
02	02	9844	18		09	25	14	32	8	36	7	8	0	9	1			1							
	05	9823	13		05	28	08	74	8	02	3	8	0	9	1		1	8							
	08	9805	11		502	27	14	74	5	01	1	1	7	5	1	0		8	1						
	11	9780	10		505	23	21	80	6	36	1	3	0	9	1	2	1	8							
	14	9737	10		504	23	12	80	7	02	2	6	5	5	1		1								
	17	9704	13		00	28	07	80	7	71	2	7	5	5	1		1								
	20	9673	16		12	00	00	32	8	71	7	8	6	5	1		1			14	32	253	0000	18	09
	23	9656	19		12	29	02	66	8	02	7	8	6	5	1										
03	02	9632	22		10	25	11	58	8	02	2	8	6	5	1		1								
	05	9618	21		09	23	19	32	8	36	3	8	6	4	1		1								
	08	9585	22		10	00	00	58	8	02	3	8	6	4	1		1								
	11	9627	21		14	00	00	58	8	15	2	8	6	4	1		1								
	14	9625	20		12	18	12	58	8	15	2	8	6	4	1		1								
	17	9628	20		16	18	34	02	8	38	3	8	6	4	1		1								
	20	9635	20		13	19	21	04	8	38	3	8	6	4	1		1			07	47	253	0000	22	20
	23	9667	21		15	20	25	63	8	36	3	2	5	5	7		1	1							
04	02	9689	20		17	21	20	63	8	36	3	2	5	5	7		1	1							
	05	9697	20		17	20	23	66	8	36	3	3	6	5	7		1								
	08	9732	21		20	20	12	58	8	36	3	8	6	5			1								
	11	9745	20		12	24	21	80	5	01	3	2	5	5	2	1	1	1	1						
	14	9757	14		02	27	19	84	3	01	1	1	5	6	1	4	1	1	1						
	17	9756	09		502	27	13	84	2	01	1	2	0	9	7	0			1						
	20	9728	07		503	26	11	84	1	02	1	0	0	9	0	9			1	03	39	470	0000	22	05
	23	9699	06		505	27	12	84	2	02	1	0	0	9	0	1									
05	02	9671	05		505	27	06	84	0	01	0	0	0	9	0	0									
	05	9677	07		504	00	00	66	0	02	0	0	0	9	0	0									
	08	9681	07		505	26	06	82	0	02	0	0	0	9	0	0									
	11	9689	08		505	25	06	82	1	03	1	1	0	9	0	0			1						
	14	9707	10		502	00	00	82	1	02	1	1	0	9	0	0			2						
	17	9721	08		504	25	04	82	0	01	1	0	0	9	0	0									
	20	9741	06		503	00	00	82	0	02	0	0	0	9	0	0			3	14	11	265	0000	10	01
	23	9776	02		505	18	03	82	1	02	0	0	0	9	0	8									
06	02	9801	04		01	17	02	80	2	03	1	2	5	6	0	0	1								
	05	9820	10		08	17	18	80	8	03	1	0	8	9	1			1							
	08	9840	14		09	17	21	58	8	36	3	8	5	5			1								
	11	9830	15		12	17	34	04	8	36	3	8	5	5			1								
	14	9829	17		14	18	37	04	8	36	3	8	5	5			1								
	17	9818	17		15	21	35	08	8	36	3	8	5	5			1								
	20	9803	19		12	18	33	04	8	36	3	8	5	5			1			03	57	209	0013	19	02
	23	9790	19		09	21	35	48	8	36	3	8	6	5											
07	02	9775	20		09	21	37	48	8	36	3	8	6	5			1								
	05	9773	20		08	22	36	48	8	36	3	8	6	5			1								
	08	9771	20		04	20	37	58	8	02	3	8	5	5			1								
	11	9773	20		04	19	30	58	8	02	2	8	5	5			1								
	14	9778	20		08	19	24	58	8	15	2	8	5	5			1								
	17	9786	21		08	21	15	58	8	02	2	8	6	5			1								
	20	9788	19		13	18	09	66	8	02	2	8	5	5			1			03	57	821	0000	21	18
	23	9791	18		15	19	04	66	8	70	2	8	5	5											
08	02	9794	18		15	20	03	66	8	01	7	8	5	5			1								
	05	9792	19		13	22	03	66	7	01	2	7	5	5			1								
	08	9775	21		12	22	02	58	7	71	2	2	5	5			1								
	11	9759	19		13	00	00	82	7	01	2	2	5	6			1								
	14	9742	21		09	25	01	82	7	02	2	2	5	6			1								
	17	9737	22		15	23	05	80	7	02	2	2	5	6			1								
	20	9722	23		17	20	10	80	7	02	2	2	5	6			1			09	36	277	0000	24	18
	23	9715	24		18	18	18	74	8	02	2	2	5	5											
09	02	9709	24		17	18	21	74	8	02	2	8	5	5			1								
	05	9703	25		16	19	34	74	8	02	2	8	5	5			1								
	08	9711	24		15	21	36	63	8	15	2	2	6	5	2		1		1						
	11	9736	22		13	22	34	63	7	15	2	2	7	6	2		1		1						
	14	9758	22		14	21	24	66	7	15	2	2	7	7	2		1								
	17	9774	22		13	20	41	66	7	02	2	2	7	5	2		1								
	20	9787	22		12	19	39	66	8	02	2	2	8	5	2		1			21	65	393	0000	24	20
	23	9816	20		11	22	47	66	8	02	2	8	5	5	2										

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LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
10	02	9847	20		12	22	44	66	8	02	2	8	5	5	1	0	1	3							
	05	9893	18		11	22	37	66	8	02	2	8	5	5	1	0	1	3							
	08	9914	17		08	19	37	66	7	02	2	7	5	5	1	0	1	3							
	11	9934	15		05	20	35	66	7	02	2	7	5	5	1	0	1	3							
	14	9932	15		04	21	21	66	7	02	2	7	5	5	1	0	1	3							
	17	9928	14		02	23	17	66	8	02	2	7	5	5	1	0	1	3							
	20	9911	14		502	22	23	74	3	02	2	7	5	5	1	0	1	3							
	23	9904	11		507	21	22	82	0	01	2	7	5	5	1	0	1	3							
11	02	9914	09		508	22	11	82	0	02	0	0	0	9	0	0				08	74	850	0000	20	11
	05	9915	06		508	18	14	82	0	02	0	0	0	9	0	0									
	08	9906	04		508	00	00	82	0	02	0	0	0	9	0	0									
	11	9894	05		508	33	01	82	1	03	0	0	0	9	0	0									
	14	9886	04		511	23	06	82	2	02	1	0	0	9	0	0									
	17	9875	04		512	23	15	82	0	01	1	0	0	9	0	0									
	20	9848	02		513	24	13	82	0	01	0	0	0	9	0	0									
	23	9830	01		514	23	12	82	0	02	0	0	0	9	0	0									
12	02	9822	501		514	20	06	80	0	02	0	0	0	9	0	0				08	36	412	0000	10	00
	05	9810	03		512	20	06	80	3	03	0	0	0	9	0	0									
	08	9800	05		508	22	03	74	7	03	2	0	0	9	0	0									
	11	9790	05		506	23	05	82	2	01	1	0	0	9	0	0									
	14	9793	08		503	19	06	82	5	03	1	0	0	9	0	0									
	17	9795	09		502	20	03	82	3	02	1	0	0	9	0	0									
	20	9798	10		00	18	03	82	3	02	1	0	0	9	0	0									
	23	9799	13		01	27	02	82	3	02	1	0	0	9	0	0									
13	02	9793	14		00	25	06	82	4	01	1	3	0	7	7	7				09	23	195	0000	13	503
	05	9785	15		02	25	04	82	3	02	1	3	0	7	7	7									
	08	9782	16		02	24	10	80	7	03	1	6	0	5	5	7									
	11	9789	17		02	23	19	82	7	02	1	1	0	5	5	7									
	14	9788	18		02	23	21	82	5	02	1	1	0	5	5	7									
	17	9806	20		08	20	09	82	7	03	1	1	0	5	5	7									
	20	9816	22		12	00	00	82	7	03	1	3	0	5	5	7									
	23	9843	26		22	20	10	80	8	70	2	8	0	5	5	7									
14	02	9866	25		11	24	30	74	6	01	1	6	5	5	7	7				11	34	158	0000	27	12
	05	9869	19		03	26	26	74	3	01	1	2	0	5	8	0									
	08	9832	18		501	21	09	80	1	01	1	1	0	0	9	0									
	11	9775	15		501	26	23	82	2	03	1	0	0	0	9	0									
	14	9727	17		01	25	10	82	2	02	1	0	0	5	6	0									
	17	9713	23		09	23	15	82	7	03	1	2	0	5	6	0									
	20	9713	25		10	24	24	80	3	03	1	1	0	5	6	0									
	23	9716	23		09	26	19	80	3	02	1	1	0	5	6	0									
15	02	9724	25		13	22	17	80	6	02	1	5	5	5	6	7				10	51	383	0000	28	13
	05	9721	28		15	22	30	80	6	02	1	5	5	5	6	7									
	08	9735	25		15	23	35	74	7	03	1	1	5	5	6	7									
	11	9780	22		21	20	20	68	8	70	2	7	7	0	7	7									
	14	9800	25		16	21	22	63	8	36	1	9	4	0	7	7									
	17	9816	21		12	22	19	80	2	01	2	2	9	0	7	7									
	20	9828	19		09	22	11	80	2	02	2	1	8	0	7	7									
	23	9842	22		09	24	09	80	2	02	2	2	8	0	7	7									
16	02	9834	21		07	20	03	80	3	02	1	2	0	0	8	7				09	66	510	0000	28	19
	05	9831	23		10	27	05	80	3	02	1	2	0	0	8	7									
	08	9826	20		05	26	07	82	2	02	1	1	0	0	8	7									
	11	9816	23		07	23	17	82	7	03	1	6	0	0	8	7									
	14	9815	23		05	23	14	82	7	02	1	3	0	0	8	7									
	17	9814	20		01	27	05	82	3	01	2	1	0	0	8	7									
	20	9807	20		00	24	14	80	3	02	2	2	0	0	8	7									
	23	9814	16		501	27	14	80	3	02	1	2	0	0	8	7									
17	02	9804	13		503	00	00	82	1	02	1	0	0	9	8	0				10	30	326	0000	23	14
	05	9802	13		504	28	03	82	1	02	1	0	0	9	8	0									
	08	9798	10		507	25	10	82	1	02	1	0	0	9	9	0									
	11	9796	10		507	28	04	82	1	02	1	0	0	9	9	0									
	14	9796	08		510	27	04	82	0	02	0	0	0	9	9	0									
	17	9818	03		514	27	14	82	0	02	0	0	0	9	9	0									
	20	9808	01		514	24	11	82	0	02	0	0	0	9	9	0									
	23	9807	02		512	30	07	82	0	02	0	0	0	9	9	0									
18	02	9807	06		507	29	08	80	3	03	1	3	5	7	0	0	1	1		10	30	261	0000	14	01
	05	9814	09		507	27	01	80	3	03	2	8	5	7	7	0	1	1							
	08	9827	06		511	00	00	80	3	01	1	1	5	5	7	2	1	1							
	11	9816	09		506	28	07	80	7	03	1	6	5	4	2	2	1	1							
	14	9814	10		503	28	03	74	8	03	1	4	5	4	2	2	1	1							
	17	9808	11		05	31	04	63	8	77	2	6	7	4	2	2	1	1							
	20	9811	15		08	22	09	74	8	77	2	6	7	4	2	2	1	1							
	23	9813	15		10	22	04	74	8	77	2	8	7	4	2	2	1	1		08	21	191	0000	16	02

Results of Surface Observations,
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LOCAL STANDARD TIME			TEMPERATURES			SURFACE WIND						LOW CLOUD					DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST				EXTREME TEMPERATURES	
DAY	HOUR	STATION LEVEL PRESSURE	DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED	VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	AMOUNT	TYPE	BASE	MIDDLE CLOUD	HIGH CLOUD	LOW	MIDDLE	HIGH	DIRECTION	SPEED	ANEMOMETER WIND RUN	PRECIPITATION	MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	° × 10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	° × 10	kt	St.miles	Points	°F	°F
19	02	9819	13		03	24	12	74	8	02	2	8	7	5			1								
	05	9819	11		00	25	12	74	8	02	2	8	7	5			1								
	08	9814	14		03	23	12	74	7	02	2	7	5	5			1								
	11	9805	14		00	28	12	74	7	02	2	7	5	5			1								
	14	9807	12		501	21	14	74	7	02	2	5	5	5	7		1	1							
	17	9801	10		501	24	18	74	4	01	1	3	5	6	7	0	1	1							
	20	9807	09		504	25	16	74	4	02	1	2	5	6	7		1	1							
	23	9815	08		05	22	06	66	8	70	7	8	6	5			1			10	41	235	0000	14	13
20	02	9818	07		01	28	04	66	8	70	7	8	7	4			1								
	05	9826	07		01	23	05	66	8	71	7	8	7	4			1								
	08	9831	07		501	21	04	66	8	01	7	4	7	4			1								
	11	9849	05		501	27	04	74	8	01	2	2	7	4	7		1	1							
	14	9869	07		502	27	05	74	8	02	2	2	7	5	7		1	1							
	17	9878	07		502	32	04	74	8	02	2	6	5	5	7		1	1							
	20	9880	08		06	27	02	66	8	71	7	8	5	5			1								
	23	9878	11		10	20	16	66	8	71	7	8	7	4			1			07	23	237	0000	11	05
21	02	9869	11		10	20	17	63	8	71	7	8	7	4											
	05	9862	11		10	19	17	58	8	38	7	8	7	4			1								
	08	9858	11		08	20	18	63	8	15	3	8	7	5			1								
	11	9848	11		10	21	34	63	8	36	3	8	8	5			1								
	14	9843	11		05	19	04	63	8	14	3	2	7	5	2		1	1							
	17	9832	12		08	20	22	58	6	36	3	6	7	5			1	1							
	20	9831	14		07	22	24	58	8	01	1	8	0	7	1			1							
	23	9839	15		04	24	11	66	8	02	2	8	0	7	1			1		08	42	266	0000	14	11
22	02	9839	15		03	22	15	66	8	02	2	8	0	7	1			1							
	05	9843	15		02	22	19	74	8	02	2	8	0	7	1			1							
	08	9849	15		04	23	16	74	8	02	2	8	0	7	1			1							
	11	9859	15		01	24	21	74	8	15	2	2	7	4	2			1							
	14	9867	14		01	22	06	74	8	02	2	1	5	5	2			1							
	17	9982	15		00	28	03	74	8	02	2	2	7	4	1			1							
	20	9901	11		03	28	08	74	8	02	2	2	5	5	1		1	1							
	23	9910	09		03	27	10	74	8	70	2	4	5	5	2		1	1		09	48	436	0000	15	08
23	02	9916	07		06	27	10	74	8	01	7	2	5	5	2	0	1	1							
	05	9931	05		507	29	05	74	2	01	1	2	0	9	2	0		1							
	08	9945	07		505	27	14	74	7	03	1	5	5	5	7		1	1							
	11	9957	04		507	28	10	80	4	01	1	1	5	6	7	0	1	1							
	14	9968	06		505	27	07	80	7	03	1	5	5	5	7		1	1							
	17	9974	06		506	28	11	80	5	01	1	3	5	5	7		1	1							
	20	9993	06		505	27	10	80	7	03	1	7	5	5			1	1							
	23	10010	04		507	28	10	80	8	02	1	5	5	5	1		1	1		14	19	262	0000	08	04
24	02	10010	03		508	28	09	80	4	01	1	2	5	5	1		1	1							
	05	10010	02		508	26	05	80	3	01	1	2	5	5	1	0	1	1							
	08	10010	00		510	28	05	80	3	01	1	1	0	7	1	8		1	1						
	11	10010	502		512	29	06	84	3	02	1	2	0	9	3	9		1	1						
	14	10010	502		513	22	06	84	1	01	1	1	0	9	3	0		1							
	17	9992	503		513	26	03	84	1	01	1	0	0	9	0	9									
	20	9985	504		514	27	05	84	1	02	0	0	0	9	0	9									
	23	9969	504		515	27	05	84	1	02	0	0	0	9	0	9			1	16	15	234	0000	04	504
25	02	9958	505		516	28	08	84	0	02	0	0	0	9	0	0									
	05	9950	504		516	26	08	84	0	02	0	0	0	9	0	0									
	08	9936	504		515	28	08	84	1	03	0	0	0	9	0	8									
	11	9932	504		515	27	06	84	3	03	1	0	0	9	0	8									
	14	9928	505		515	27	06	84	2	02	1	0	0	9	0	8									
	17	9932	504		515	27	09	84	3	03	1	0	0	9	0	5			1						
	20	9925	503		514	27	10	84	3	02	1	0	0	9	0	8			1						
	23	9939	502		514	27	07	84	7	03	1	0	0	9	0	8			1	16	19	174	0000	502	505
26	02	9940	503		515	28	09	84	5	01	1	0	0	9	0	7			1						
	05	9941	505		517	28	04	84	1	02	0	0	0	9	0	9			1						
	08	9950	504		517	27	10	84	1	02	0	0	0	9	0	8			8						
	11	9958	502		515	00	00	84	0	02	0	0	0	9	0	0									
	14	9969	504		517	25	09	84	1	02	0	0	0	9	0	9			8						
	17	9973	504		516	28	08	84	1	02	1	0	0	9	0	8			8						
	20	9975	502		513	28	06	82	7	03	1	7	5	5			1								
	23	9986	01		510	29	01	82	8	03	2	8	5	5			1			14	18	209	0000	02	506
27	02	9989	05		507	28	05	82	8	02	2	8	5	5			1								
	05	10001	06		507	27	10	82	8	02	2	8	5	5			1								
	08	10006	09		503	25	14	74	8	02	2	8	5	5			1								
	11	10012	09		02	29	02	58	8	70	7	8	6	5			1								
	14	10013	13		02	00	00	66	8	02	7	8	4	5			1								
	17	10020	14		03	20	08	63	8	15	2	3	6	5			1								
	20	10026	14		04	22	02	63	8	02	2	3	6	5			1								
	23	10025	12		05	25	07	63	8	02	2	3	6	5			1			10	20	198	0000	14	02

Results of Surface Observations,
DAVIS – May, 1961

LOCAL STANDARD TIME			TEMPERATURES			SURFACE WIND						LOW CLOUD					DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST				EXTREME TEMPERATURES	
DAY	HOUR	STATION LEVEL PRESSURE	DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED	VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	AMOUNT	TYPE	BASE	MIDDLE CLOUD	HIGH CLOUD	LOW	MIDDLE	HIGH	DIRECTION	SPEED	ANEMOMETER WIND RUN	PRECIPITATION	MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
28	02	10030	12		03	25	07	63	8	02	2	8	5	5			1								
	05	10030	13		04	25	04	66	8	02	2	8	5	5			1								
	08	10020	12		03	26	05	66	8	15	2	2	7	4			1								
	11	10020	12		02	25	04	53	8	03	2	3	7	4			1								
	14	10020	11		02	25	02	58	8	71	7	7	7	4			1								
	17	10020	10		03	27	02	57	8	02	7	7	7	4			1								
	20	10020	12		04	00	00	63	8	01	2	2	7	4			1								
	23	10020	10		02	25	05	63	8	02	2	3	7	4			1			04	09	127	0000	13	10
29	02	10020	12		03	25	02	66	8	01	2	8	5	5			1								
	05	10020	11		03	33	02	66	8	02	2	8	5	5			1								
	08	10010	10		02	27	01	66	8	02	2	8	5	5			1								
	11	10000	11		01	25	02	74	7	02	2	7	5	5			1								
	14	10000	06		507	27	15	74	5	03	2	5	5	5			1								
	17	9995	04		507	27	10	80	0	02	1	0	0	9	0	0									
	20	9993	03		507	24	05	80	0	02	0	0	0	9	0	0									
	23	9995	02		507	25	07	80	3	01	1	0	0	9	0	9				15	30	132	0000	11	01
30	02	10000	02		506	25	06	80	0	03	0	0	0	9	0	0									
	05	10000	00		509	26	09	82	0	02	0	0	0	9	0	0									
	08	9999	501		510	26	07	82	1	03	0	0	0	9	0	8			1						
	11	9993	503		512	28	08	82	1	02	0	0	0	9	0	8			1						
	14	9993	503		512	28	06	82	2	02	1	0	0	9	0	8			1						
	17	9987	502		512	26	04	82	6	03	1	0	0	9	0	8			1						
	20	9978	01		510	00	00	74	8	03	1	0	0	9	0	7			1						
	23	9975	03		508	32	04	74	8	02	2	0	0	9	0	7			1	12	14	190	0000	03	503
31	02	9969	02		508	00	00	74	8	02	2	0	0	9	0	7			1						
	05	9959	03		513	00	00	74	8	02	2	0	0	9	0	7	1		1						
	08	9960	03		506	00	00	74	8	03	2	3	5	5	0	7	1		1						
	11	9957	04		506	20	03	74	7	02	2	7	5	5			1								
	14	9956	05		507	00	00	74	8	02	2	8	5	5			1								
	17	9957	06		505	00	00	74	3	01	1	3	5	5	0	0	2		1						
	20	9958	05		508	00	00	74	4	01	1	2	5	5	0	5			1						
	23	9962	07		508	00	00	74	4	02	1	0	0	9	0	2			1	16	08	109	0000	07	02

Results of Surface Observations,
DAVIS — Jun., 1961

LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
01	02	9970	03		510	00	00	80	4	02	1	0	0	9	0	2			1						
	05	9974	02		510	13	02	82	7	02	1	2	0	9	1	6		1	1						
	08	9976	01		513	11	06	82	7	02	1	5	0	9	1	5		1	1						
	11	9973	501		515	12	02	82	7	02	1	2	0	9	7	6		1	1						
	14	9973	501		514	12	06	82	3	01	1	1	0	9	7	2		1	1						
	17	9971	503		515	13	06	82	1	01	1	0	0	9	0	1									
	20	9966	503		515	11	07	82	1	02	1	0	0	9	0	1									
	23	9958	504		517	12	07	82	0	02	0	0	0	9	0	0				09	13	095	0000	06	504
02	02	9951	504		517	11	04	82	0	02	0	0	0	9	0	0									
	05	9937	506		518	11	05	82	0	02	0	0	0	9	0	0									
	08	9921	505		519	07	02	82	0	02	0	0	0	9	0	0									
	11	9911	507		519	06	04	82	1	02	0	0	0	9	0	5			1						
	14	9894	509		520	16	08	82	2	02	0	0	0	9	3	1		1	1						
	17	9889	506		518	00	00	82	2	02	1	1	0	9	3	5		1	1						
	20	9869	508		518	16	08	82	5	02	1	0	0	9	0	5			1						
	23	9862	507		519	13	06	82	5	02	2	0	0	9	0	5			1	11	13	160	0000	504	509
03	02	9850	507		519	00	00	82	1	02	1	0	0	9	0	5			1						
	05	9834	507		519	14	08	82	1	02	1	0	0	9	0	5			1						
	08	9815	507		519	14	08	82	1	02	0	1	0	8	1	0		1							
	11	9792	508		519	13	08	82	8	03	1	0	0	9	0	9			1						
	14	9772	508		520	13	09	82	8	02	1	0	0	9	0	9			1						
	17	9758	506		516	11	08	82	8	02	1	0	0	9	0	7			1						
	20	9753	508		521	12	06	82	6	01	2	0	0	9	0	8			1						
	23	9755	510		521	13	05	82	4	01	1	0	0	9	0	8			1	04	18	155	0000	506	510
04	02	9756	509		521	09	06	82	2	01	1	0	0	9	0	8			1						
	05	9762	511		523	18	03	82	0	01	1	0	0	9	0	0									
	08	9770	509		523	10	03	82	0	02	0	0	0	9	0	0									
	11	9782	510		523	00	00	82	1	03	1	1	5	5	0	0		8	1						
	14	9792	507		515	15	02	82	7	03	1	1	5	5	5			8	1						
	17	9795	507		516	16	05	82	7	03	2	7	0	8	7				1						
	20	9803	504		513	15	05	82	7	02	2	7	0	8	7				1						
	23	9820	504		511	00	00	80	8	03	2	3	5	5	7			1	1	13	17	198	0000	504	511
05	02	9848	504		511	17	03	80	8	03	2	5	5	5	7			1	1						
	05	9862	504		511	12	03	80	8	03	2	7	5	5	7			1	1						
	08	9919	00		507	14	05	74	8	03	7	5	7	5	7			1	1						
	11	9956	00		506	00	00	66	8	03	7	3	7	5	2			1							
	14	9993	501		507	00	00	66	8	22	7	8	6	5				1							
	17	10019	05		503	14	06	66	8	02	2	8	6	5				1							
	20	10044	03		507	17	06	82	0	01	1	0	0	9	0	0									
	23	10039	02		507	19	10	80	1	02	0	1	0	9	7	0		4		16	16	072	0000	05	504
06	02	10027	03		505	23	16	80	0	02	0	0	0	9	0	0									
	05	10015	00		506	20	10	82	0	02	0	0	0	9	0	0									
	08	9990	01		503	22	10	82	0	02	0	0	0	9	0	0									
	11	9975	02		506	22	06	82	0	02	0	0	0	9	0	0									
	14	9979	10		02	14	06	82	0	02	0	0	0	9	0	0									
	17	10010	16		06	14	08	82	0	02	0	0	0	9	0	0									
	20	10047	19		10	14	08	82	3	03	0	3	0	9	4	0			1						
	23	10069	21		11	14	09	82	6	03	1	6	0	9	4	0			1	10	24	202	0000	22	501
07	02	10089	24		13	15	06	82	4	01	1	4	0	9	4	0			1						
	05	10094	22		11	14	10	82	2	02	1	2	0	9	4	0			1						
	08	10095	21		11	14	07	82	1	01	1	1	0	9	5	0			1						
	11	10100	24		15	14	10	80	4	01	1	4	3	9	7	0			1						
	14	10109	23		13	14	08	80	4	02	2	3	5	9	3	1			1						
	17	10119	25		13	10	08	80	5	03	1	1	5	9	7	0			1						
	20	10126	21		11	12	10	80	2	01	1	1	2	9	7	0			1						
	23	10114	21		10	12	09	80	2	02	1	2	0	9	7	0			1	11	18	221	0000	25	20
08	02	10096	22		12	11	06	80	2	01	1	2	0	9	7	0			1						
	05	10086	21		11	11	06	80	1	01	1	0	0	9	0	8			2						
	08	10058	24		16	11	09	80	8	03	1	8	5	6	6			1							
	11	10041	24		17	11	06	80	8	02	2	8	5	6	6			2							
	14	10030	24		19	10	08	74	8	02	2	8	6	5	4			2							
	17	10036	24		20	09	01	58	8	71	7	8	7	7	4			2							
	20	10039	24		18	06	21	32	8	71	7	8	7	7	4			2							
	23	10051	23		17	05	24	32	8	36	7	8	7	7	4			2		07	45	253	0000	25	20
09	02	10072	23		14	06	24	32	8	36	3	8	7	4	4			2							
	05	10086	22		11	07	12	66	3	01	3	8	3	5	9	2	0		2						
	08	10087	17		04	09	10	66	5	35	8	5	0	5	5			1							
	11	10067	13		02	13	09	66	7	36	1	1	5	5	5			1							
	14	10046	12		06	11	06	48	8	62	1	7	6	5	5	2		1	1						
	17	10047	14		08	03	17	58	8	36	0	8	6	5	5			1							
	20	10051	12		501	03	27	65	8	76	1	8	5	5	5			1							
	23	10063	12		504	05	12	66	8	96	1	8	5	5				1		03	42	319		24	11

Results of Surface Observations,
DAVIS – Jun., 1961

LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°× 10	kt	VV	Oktas	ww	w	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°× 10	kt	St.miles	Points	°F	°F
10	02	10069	09		506	00	00	80	0			0	0	9	0	0									
	05	10063	06		509	11	07	80	0	02		0	0	9	0	0									
	08	10058	06		509	05	10	84	0	02		0	0	9	0	0									
	11	10057	04		509	13	03	80	0	02		0	0	9	0	0									
	14	10040	03		510	13	07	80	0	02		0	0	9	0	0									
	17	10024	03		510	13	05	82	0	02		0	0	9	0	0									
	20	10008	03		508	13	05	82	0	02		0	0	9	0	0									
	23	9974	04		508	09	11	82	0	02		0	0	9	0	0				04	25	266		11	02
11	02	9964	04		510	07	10	82	0	02		0	0	9	0	0									
	05	9959	02		511	09	08	82	0	02		0	0	9	0	0									
	08	9946	03		513	11	13	82	0	02		0	0	9	0	0									
	11	9931	501		513	00	00	82	0	02		0	0	9	0	0									
	14	9912	502		515	09	02	84	0	02		0	0	9	0	0									
	17	9895	502		515	11	08	84	0	02		0	0	9	0	0									
	20	9874	504		515	09	04	84	0	02		0	0	9	0	0									
	23	9875	504		515	13	09	84	0	02		0	0	9	0	0				09	24	208		04	504
12	02	9877	504		515	10	08	84	0	02		0	0	9	0	0									
	05	9897	501		513	00	00	84	0	02		0	0	9	0	0									
	08	9906	505		515	12	05	84	0	02		0	0	9	0	0									
	11	9927	502		514	00	00	84	0	02		0	0	9	0	0									
	14	9934	503		515	00	00	84	0	02		0	0	9	0	0									
	17	9946	505		515	00	00	84	0	02		0	0	9	0	0									
	20	9961	503		515	09	02	84	0	02		0	0	9	0	0									
	23	9976	02		512	04	17	82	0	02		0	0	9	0	0				03	25	150		02	505
13	02	9993	04		510	14	05	84	0	02		0	0	9	0	0									
	05	10012	01		513	09	04	84	0	02		0	0	9	0	0									
	08	10026	00		513	13	04	84	5	03		1	0	9	0	6			1						
	11	10039	01		511	14	04	82	8	03		1	0	9	0	7		1	1						
	14	10040	02		509	12	05	82	8	02		2	0	9	0	7			1						
	17	10034	01		512	13	06	82	3	01		1	0	9	0	7			1						
	20	10021	01		513	13	06	82	8	03		1	0	9	0	7			1						
	23	9988	06		507	13	06	82	8	02		2	0	9	0	7			1	09	20	105		07	00
14	02	9956	10		506	08	17	82	8	02		2	0	9	0	7			1						
	05	9902	15		01	08	18	82	8	02		2	0	9	0	7			1						
	08	9859	18		10	07	30	80	7	02		2	7	5	6		1								
	11	9846	18		08	07	30	80	7	02		2	7	5	6		1								
	14	9817	17		09	05	42	66	8	36		2	8	5	6		1								
	17	9830	16		07	04	44	66	8	36		2	8	5	6		1								
	20	9850	16		08	04	36	66	8	02		3	8	5	6		1								
	23	9863	17		09	04	30	66	8	02		2	8	5	6		1			04	69	282		18	07
15	02	9878	18		09	04	33	74	8	02		2	8	5	6		1								
	05	9883	18		09	04	28	74	8	02		2	8	5	6		1								
	08	9875	18		10	05	17	74	7	02		2	7	5	6		1								
	11	9857	16		01	09	07	74	8	02		2	8	5	6		1								
	14	9825	16		06	09	01	24	8	73		2	8	5	6		1								
	17	9725	17		16	15	04	08	9	73		7													
	20	9705	20		15	08	11	16	8	70		7	8	5	6		1								
	23	9669	13		13	05	29	00		39		7								04	51	766		20	12
16	02	9638	12		12	05	51	00		39		3													
	05	9660	09		08	05	50	00		38		3													
	08	9700	11		09	06	38	02		38		3													
	11	9752	10		09	06	39	04		38		3													
	14	9775	10		08	04	30	24	8	38		3	8	5	5		1								
	17	9783	13		10	04	31	58	7	36		3	5	5	5	7	1	1							
	20	9780	15		09	04	29	74	6	01		3	4	5	5	1	1	1	1						
	23	9776	17		07	05	22	74	6	02		1	4	5	5	1	0	1	1	05	70	633		17	09
17	02	9771	17		10	04	14	74	8	70		1	6	7	4			1							
	05	9765	18		15	04	24	66	8	38		7	8	5	5			1							
	08	9756	21		15	04	42	66	7	01		3	7	5	5			1							
	11	9775	20		13	05	35	66	8	02		2	1	5	6	7		1	1						
	14	9791	20		13	05	25	74	8	02		2	1	5	6	2		1	1						
	17	9803	21		15	04	24	74	8	02		2	3	5	5	2		1	1						
	20	9823	20		14	04	20	74	8	02		2	3	5	5	2		1	1						
	23	9829	18		13	04	14	74	8	01		2	3	5	5	1		1	1	05	57	713		21	17
18	02	9836	18		13	04	13	74	8	02		2	8	6	6			1							
	05	9844	16		07	05	16	74	8	02		2	8	5	6			1							
	08	9854	14		05	05	17	74	8	36		2	8	5	6			1							
	11	9869	11		06	04	15	32	8	71		7	8	5	6			1							
	14	9872	10		04	04	15	32	8	71		7	7	7	5	2		1	1						
	17	9872	09		01	03	17	66	8	03		2	2	6	5	2		1	1						
	20	9872	05		561	04	07	74	0	01		2	0	0	9	0	0								
	23	9866	01		506	00	00	80	0	02		0	0	0	9	0	0			05	31	481		18	01

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LOCAL STANDARD TIME			TEMPERATURES			SURFACE WIND						LOW CLOUD					DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST				EXTREME TEMPERATURES	
DAY	HOUR	STATION LEVEL PRESSURE	DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED	VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	AMOUNT	TYPE	BASE	MIDDLE CLOUD	HIGH CLOUD	LOW	MIDDLE	HIGH	DIRECTION	SPEED	ANEMOMETER WIND RUN	PRECIPITATION	MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
19	02	9851	04		504	11	06	80	0	02	0	0	0	9	0	0									
	05	9837	05		503	12	06	80	6	03	0	4	5	6	7	6	1		1						
	08	9828	09		04	14	06	66	8	36	7	2	7	4	2		1	1							
	11	9808	12		10	08	38	00		39	3														
	14	9830	11		10	08	20	63	8	36	3	4	7	5	2		1								
	17	9836	09		07	05	07	58	8	70	3	8	6	5			1								
	20	9844	08		06	06	08	66	8	70	7	8	6	5			1								
	23	9859	07		06	04	07	66	5	01	1	5	5	5			1			09	36	154		12	03
20	02	9876	07		506	05	05	66	5	02	0	5	5	5			1								
	05	9888	07		505	14	06	80	0	02	0	0	0	9	0	0									
	08	9897	09		508	16	10	80	0	02	0	0	0	9	0	0									
	11	9926	08		505	14	24	58	1	38	0	0	0	9	0	9			1						
	14	9939	08		504	13	21	58	1	38	3	0	0	9	0	9			1						
	17	9946	07		503	13	09	82	0	01	1	0	0	9	0	0									
	20	9948	07		502	11	10	82	0	02	0	0	0	9	0	0									
	23	9954	06		502	09	16	82	0	02	0	0	0	9	0	0				13	40	266		09	05
21	02	9945	01		505	14	06	80	0	01	1	0	0	9	0	0									
	05	9931	501		507	14	06	80	0	02	0	0	0	9	0	0									
	08	9905	500		508	16	10	80	0	02	0	0	0	9	0	0									
	11	9871	507		513	14	24	58	1	38	0	0	0	9	0	9	1	1	1						
	14	9842	508		512	13	21	58	1	38	3	0	0	9	0	9			1						
	17	9826	505		510	13	09	82	0	01	1	0	0	9	0	9									
	20	9818	503		509	11	10	82	0	02	0	0	0	9	0	0									
	23	9807	503		509	07	16	82	0	02	0	0	0	9	0	0				13	40	267		505	508
22	02	9799	504		509	11	09	82	0	02	0	0	0	9	0	0									
	05	9783	503		511	12	07	82	0	02	0	0	0	9	0	0									
	08	9755	506		512	13	19	82	0	02	0	0	0	9	0	0									
	11	9738	508		515	10	06	82	7	03	1	6	5	6	7	8	1	1	1						
	14	9732	510		518	14	05	82	3	01	1	3	5	6	0	8	1	1							
	17	9721	510		517	11	04	82	4	01	1	2	5	6	4	8	1	1	1						
	20	9713	510		519	00	00	82	2	01	1	2	0	8	4	0		1							
	23	9699	512		519	14	04	82	1	01	1	1	0	8	4	0		1		10	33	346		502	512
23	02	9686	510		516	00	00	82	2	03	1	2	0	8	4	0		1							
	05	9694	512		519	04	10	82	0	01	1	0	0	9	0	0									
	08	9720	512		519	06	09	82	1	03	1	1	6	5	0	0	1								
	11	9755	510		515	00	00	66	8	03	1	8	6	5			1								
	14	9805	507		511	03	10	66	8	02	2	7	5	5	2		1	1							
	17	9851	512		516	05	11	74	4	01	1	2	6	5	0	0	1								
	20	9907	510		513	04	10	66	4	71	1	1	6	5	1	0	1	1							
	23	9939	513		517	07	08	80	0	01	1	0	0	9	0	0				04	22	165		507	514
24	02	9971	515		520	11	05	82	0	02	0	0	0	9	0	0									
	05	9982	514		520	11	06	82	0	02	0	0	0	9	0	0									
	08	9993	514		521	16	05	82	5	03	1	0	0	9	0	8			1						
	11	10001	511		518	17	06	82	5	02	1	0	0	9	0	8			1						
	14	10001	510		517	20	05	82	8	03	1	0	0	9	0	7			1						
	17	9999	510		516	20	09	82	6	01	1	0	0	9	0	8			1						
	20	9998	510		516	20	03	82	6	01	1	0	0	9	0	8			1						
	23	9994	513		518	20	02	82	0	01	1	0	0	9	0	0				18	13	216		510	515
25	02	9992	513		518	00	00	82	0	01	1	0	0	9	0	0									
	05	9983	510		518	10	05	82	0	02	0	0	0	9	0	0									
	08	9970	509		518	11	08	82	0	02	0	0	0	9	0	0									
	11	9969	508		517	12	06	82	0	02	0	0	0	9	0	0									
	14	9956	507		515	00	00	82	0	03	1	0	0	9	0	5			1						
	17	9945	506		514	13	08	82	0	01	1	0	0	9	0	0									
	20	9928	510		517	00	00	82	1	03	0	0	0	9	0	8									
	23	9910	511		518	00	00	82	1	02	1	0	0	9	0	5			1	14	14	109		506	514
26	02	9890	508		517	11	06	82	1	02	1	0	0	9	0	8			1						
	05	9867	507		516	11	06	82	1	02	1	0	0	9	0	8			1						
	08	9856	508		512	11	08	82	1	02	1	0	0	9	0	8			1						
	11	9854	506		516	13	10	82	1	02	1	0	0	9	0	8			1						
	14	9839	505		514	13	05	82	4	03	1	4	0	9	5	0			1						
	17	9829	503		513	13	08	80	3	01	1	3	0	9	5		1		1						
	20	9826	00		509	11	04	80	8	03	1	8	5	6			1								
	23	9827	05		505	00	00	80	8	02	2	8	6	6			1			13	15	181		06	507
27	02	9830	06		01	07	04	48	8	71	2	8	6	5			1								
	05	9828	07		01	05	10	48	8	71	7	8	6	5			1								
	08	9838	05		01	09	03	08	7	71	7	7	6	5			1								
	11	9844	06		02	07	08	66	8	71	7	1	7	4	2		1	1							
	14	9852	06		01	06	07	66	8	22	7	6	6	5	2		1	1							
	17	9859	07		01	05	08	66	8	02	2	8	6	5			1								
	20	9862	07		00	07	09	66	8	02	2	8	6	5			1			05	24	161		08	05
	23	9867	08		00	07	12	66	8	02	2	8	6	5			1								

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LOCAL STANDARD TIME			TEMPERATURES			SURFACE WIND						LOW CLOUD					DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST				EXTREME TEMPERATURES	
DAY	HOUR	STATION LEVEL PRESSURE	DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED	VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	AMOUNT	TYPE	BASE	MIDDLE CLOUD	HIGH CLOUD	LOW	MIDDLE	HIGH	DIRECTION	SPEED	ANEMOMETER WIND RUN	PRECIPITATION	MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
28	02	9871	07		503	04	15	66	8	02	2	8	6	5			1								
	05	9879	06		505	05	10	66	8	02	2	8	6	5			1								
	08	9896	05		506	08	02	66	8	02	2	8	6	5			1								
	11	9916	04		507	00	00	66	8	01	2	7	5	5	2		1	1							
	14	9933	02		507	00	00	66	8	01	2	8	5	5			1								
	17	9956	501		511	00	00	82	0	01	1	0	0	9	0	0									
	20	9977	504		514	07	03	82	0	02		0	0	9	0	0									
	23	9988	504		513	10	03	82	1	03	1	0	0	9	0	8			1	04	26	214		07	505
29	02	10001	506		514	10	02	82	0	02	0	0	0	9	0	0									
	05	10003	508		515	09	06	82	0	02	0	0	0	9	0	0									
	08	9981	506		516	09	07	82	3	03	0	0	0	9	0	8			5						
	11	9973	505		515	09	09	82	8	03	1	0	0	9	0	7			5						
	14	9956	504		512	08	06	80	8	02	2	0	0	9	0	7			5						
	17	9936	501		509	04	08	80	8	02	2	0	0	9	0	7			5						
	20	9912	04		504	07	04	74	8	02	2	8	0	9	2			8							
	23	9892	06		01	05	06	74	8	02	2	8	0	9	2			8		04	15	110		06	507
30	02	9879	08		01	05	09	74	8	03	2	4	6	5	2		1	1							
	05	9862	12		04	04	20	66	8	36	2	6	6	5	2		1	1							
	08	9863	13		04	04	14	66	8	03	3	8	5	5			1								
	11	9855	16		05	06	30	66	8	16	2	8	5	5			1								
	14	9853	17		07	06	20	66	7	38	3	6	5	5	7		1	1							
	17	9855	18		09	05	17	66	8	02	3	8	5	5			1								
	20	9842	18		06	08	17	66	8	02	2	8	5	5			1								
	23	9845	17		05	10	12	74	7	01	2	4	5	5	7	9	1	1	1	06	44	227	0000	18	06

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LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
01	02	9827	15		03	09	07	74	6	01	2	5	5	6	3		1	1							
	05	9828	15		00	08	14	74	8	03	2	4	5	6	7		1	1							
	08	9827	11		505	09	12	74	4	01	2	1	5	6	7		1	1							
	11	9823	09		505	11	04	74	8	03	1	6	5	6	7		1	1							
	14	9822	09		504	13	05	80	7	02	2	7	5	6			1								
	17	9819	07		507	14	02	80	2	01	2	1	5	6	7		1	1							
	20	9817	09		504	11	16	80	7	03	1	7	5	6			1								
	23	9797	14		501	09	17	74	8	02	2	4	5	6	7		1	1		09	34	391	0000	15	07
02	02	9788	16		00	09	19	74	8	36	2	4	5	6	7		1	1							
	05	9778	17		02	15	10	66	8	38	3	6	6	5	7		1	1							
	08	9765	20		04	10	30	74	8	02	3	5	6	5	7		1	1							
	11	9762	25		08	08	23	74	7	02	2	5	5	5	7		1	1							
	14	9761	23		08	08	16	74	7	02	2	7	5	5			1								
	17	9767	23		07	11	10	74	7	02	2	7	5	5			1								
	20	9748	22		04	09	19	74	8	02	2	8	5	5			1								
	23	9693	24		07	10	28	74	7	02	2	4	5	5	2		1	1		09	45	330	0000	25	14
03	02	9702	29		16	07	30	74	7	02	2	4	5	5	2		1	1							
	05	9724	28		18	07	30	74	7	02	2	5	5	6	7		1	1							
	08	9755	26		17	07	49	66	7	02	2	4	5	6	7	8	1	1	1						
	11	9807	27		16	09	43	74	7	02	2	7	5	5	7		1	1							
	14	9817	25		12	09	43	66	7	02	2	6	5	5			1	1							
	17	9837	25		11	07	30	66	7	02	2	4	5	5	7		1	1							
	20	9842	25		11	09	24	66	3	02	2	2	5	5	7		1	1							
	23	9845	25		13	06	27	66	6	02	2	5	5	5	7		5	5		07	61	540	0000	29	24
04	02	9852	24		11	07	23	66	7	02	2	5	5	5	7		5	5							
	05	9867	23		10	08	07	74	6	02	2	2	5	6	7	8	5	5	5						
	08	9875	22		13	04	17	74	7	03	1	7	0	9	2			2							
	11	9893	23		13	04	10	80	7	01	1	7	0	9	2			2							
	14	9902	21		11	07	04	80	7	02	2	4	5	6	3	8	1	2	5						
	17	9903	20		09	00	00	80	7	02	2	4	5	6	3	8	1	2	5						
	20	9889	17		05	13	09	80	2	01	1	2	5	6	0	0	1								
	23	9882	17		07	11	05	80	6	03	1	3	5	6	1		1	2		04	43	542	0000	25	17
05	02	9882	17		14	05	05	58		76	7														
	05	9913	20		18	05	24	04		76	7														
	08	9931	21		16	05	24	58	7	02	3	7	5	5			5								
	11	9929	21		11	06	14	80	7	02	2	1	5	6	3	8	1	1	8						
	14	9908	22		12	06	19	80	5	01	2	1	5	6	4	8	1	1	8						
	17	9895	20		11	01	10	80	4	02	2	2	5	6	4	8	1	1	1						
	20	9880	19		10	04	16	80	2	01	2	2	5	6	0	0	1								
	23	9870	18		10	02	02	80	2	02	1	2	5	6	0	0	1			04	29	270	0000	22	17
06	02	9854	19		09	09	02	80	8	03	1	3	5	6	1		1	1							
	05	9828	20		14	16	05	82	8	03	2	7	5	6	1		1	1							
	08	9800	25		16	07	14	74	8	02	2	8	5	5			1								
	11	9770	28		17	08	23	74	8	02	2	8	5	5			1								
	14	9746	25		17	09	12	74	8	02	2	8	5	5			1								
	17	9720	27		18	05	27	74	8	02	2	8	5	6			1								
	20	9679	26		20	07	41	58	6	36	2	6	5	6			1								
	23	9666	25		20	06	47	58	3	01	1	1	5	6	0	8	1		1	06	73	236	0000	28	18
07	02	9700	23		16	05	37	58	8	03	1	8	6	5			1								
	05	9766	23		22	04	40	00		39	2														
	08	9815	23		23	05	35	00		39	3														
	11	9828	21		20	05	40	32	6	36	3	0	0	9	0	6			1						
	14	9831	22		20	05	40	32	8	36	3	3	0	9	7	7		1	1						
	17	9844	23		22	05	38	00		39	3														
	20	9882	22		22	05	23	32	8	36	3	4	0	8	7	7		1	1						
	23	9899	23		23	04	23	32	8	38	3	4	0	8	7	7		1	1	04	71	728	0004	24	21
08	02	9910	22		22	04	27	08	8	38	3	4	0	8	7	7		1	1						
	05	9914	22		21	06	24	08	8	38	3	6	5	5	7	8	1	1	1						
	08	9909	20		17	08	16	32	7	36	3	2	5	5	7	8	1	1	1						
	11	9894	20		10	08	27	58	8	38	3	8	5	5			1								
	14	9864	21		09	08	19	66	8	02	3	8	6	5			1								
	17	9846	21		11	09	24	58	8	38	3	8	6	5			1								
	20	9829	22		09	07	26	66	8	02	3	8	6	5			1								
	23	9819	21		07	07	14	74	8	02	2	8	6	5			1			08	45	689	0000	24	20
09	02	9802	19		05	09	19	80	8	02	2	1	5	5	1		1	1							
	05	9791	19		04	10	08	74	8	02	2	2	6	5	1	8	1	1	8						
	08	9758	19		05	00	00	74	7	02	2	6	6	5	1		1	1							
	11	9736	20		05	09	02	74	7	02	2	5	6	5		8	1		8						
	14	9716	19		05	07	03	74	7	02	2	6	6	5	0	8	1		8						
	17	9698	20		06	07	09	74	8	02	2	6	6	5	2		1	1							
	20	9680	21		06	08	16	74	8	02	2	7	6	5	2		1	1							
	23	9665	21		07	06	19	74	8	02	2	8	6	5			1			08	37	464	0000	21	19

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LOCAL STANDARD TIME			TEMPERATURES			SURFACE WIND												DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST				EXTREME TEMPERATURES	
DAY	HOUR	STATION LEVEL PRESSURE	DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED	VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD AMOUNT	LOW CLOUD TYPE	LOW CLOUD BASE	MIDDLE CLOUD	HIGH CLOUD	LOW	MIDDLE	HIGH	DIRECTION	SPEED	ANEMOMETER WIND RUN	PRECIPITATION	MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
10	02	9664	22		08	07	24	74	8	02	2	8	6	5			1								
	05	9666	21		11	05	16	74	8	02	2	8	6	5			1								
	08	9669	20		14	07	31	58	7	36	2	5	5	5	7		1	1							
	11	9711	19		14	05	16	66	7	36	3	6	5	6	7		1	1							
	14	9728	21		11	04	19	74	7	02	3	7	5	6			1								
	17	9745	21		09	06	14	74	7	02	2	7	5	6			1								
	20	9747	19		05	06	19	74	4	01	1	4	5	6	0	0	1								
	23	9755	20		06	07	16	74	6	03	2	5	5	6	1	0	1	1		04	53	336	0000	22	19
11	02	9758	19		05	05	18	74	8	03	2	8	5	5			1								
	05	9763	19		03	08	27	74	8	02	2	8	5	5			1								
	08	9768	17		00	08	24	74	4	01	1	1	5	5	2	9	1	1	8						
	11	9773	17		03	08	16	74	7	03	1	5	5	5	2		3	3							
	14	9773	18		04	07	19	74	8	02	1	6	5	5	2		3	3							
	17	9777	17		02	08	12	74	7	02	2	7	5	5			2								
	20	9780	17		02	09	09	74	8	02	2	8	5	5			2								
	23	9779	18		03	09	05	74	8	02	2	8	5	5			2			08	42	435	0000	20	16
12	02	9780	15		00	09	10	74	2	01	1	2	5	5	0	0	2								
	05	9775	13		501	00	00	74	3	03	1	1	5	5	0	8	1		1						
	08	9771	12		501	14	02	80	4	02	1	0	9		7	8		1	1						
	11	9768	14		501	00	00	80	8	03	2	0	0	9	1	7		1	1						
	14	9768	14		501	07	06	80	8	02	2	0	0	9	1	7		1	1						
	17	9768	14		501	07	11	80	4	01	1	0	0	9	1	8		1	1						
	20	9774	15		05	03	15	80	5	02	2	0	0	9	1	8		1	1						
	23	9784	16		03	04	23	80	6	02	2	0	0	9	1	8		1	1	03	35	272	0000	16	12
13	02	9807	15		01	06	10	80	6	02	2	0	0	9	1	8		1	1						
	05	9824	15		01	06	06	74	8	02	2	4	5	5	7	7	1	1	1						
	08	9836	15		01	06	10	74	7	02	2	7	5	5			1								
	11	9847	16		03	05	11	74	8	03	2	8	0	9	2			1							
	14	9854	17		03	06	11	74	7	03	2	1	5	5	2		1	1							
	17	9858	14		00	08	12	74	7	03	1	5	5	5	2	7	1	1	1						
	20	9859	15		501	08	09	66	8	02	2	8	6	6			1								
	23	9862	15		501	07	14	66	8	02	2	8	6	6			1			03	29	267	0000	17	14
14	02	9862	12		503	09	03	66	3	01	1	3	6	6	0	0	1								
	05	9863	12		505	09	10	74	3	02	2	3	5	5	2	7	8	1	1						
	08	9850	12		504	09	10	74	7	02	2	7	5	5			8								
	11	9841	10		506	09	14	74	7	02	2	7	5	5	2		8	1							
	14	9827	10		505	08	17	82	4	01	2	4	5	6	0	0	1								
	17	9819	10		505	00	00	82	1	01	1	1	5	6	0	0	1								
	20	9801	07		507	04	02	82	0	01	1	0	0	9	0	0									
	23	9783	08		505	00	00	82	0	02	0	0	0	9	0	0				04	31	239	0000	14	07
15	02	9762	08		505	09	04	82	0	02	0	0	0	9	0	0									
	05	9737	06		507	10	05	82	2	02	1	2	6	6	0	0	2								
	08	9723	06		507	09	04	84	6	03	1	2	6	5	4		2	1	1						
	11	9717	09		502	05	03	82	5	02	1	3	5	5	7		1	2	1						
	14	9713	12		00	04	03	80	4	02	1	4	5	5	0	0	1								
	17	9708	13		00	05	07	80	7	03	1	7	5	5	7		1	1							
	20	9720	13		01	04	15	80	8	71	2	8	0	9	2			1							
	23	9736	12		503	07	05	82	8	02	7	8	0	9	2			1		07	28	175	0000	13	06
16	02	9747	12		503	07	17	82	8	02	2	8	0	9	2			1							
	05	9756	13		501	06	15	80	8	02	2	8	0	9	1			1							
	08	9778	13		01	05	07	80	7	03	1	7	5	5			1								
	11	9805	08		502	11	02	80	7	02	2	7	5	5			1								
	14	9824	08		02	06	06	80	6	01	1	3	5	6	1	8	8	1	1						
	17	9839	10		02	04	07	74	7	02	2	2	5	6	1	8	1	1	1						
	20	9866	10		03	09	06	80	3	02	2	2	0	9	0	8			1						
	23	9879	10		04	06	02	80	4	02	2	1	5	5	0	8	1		1	09	15	221	0000	13	07
17	02	9890	09		03	06	03	80	8	03	1	3	5	5	0	7	1		1						
	05	9903	08		01	09	05	80	8	77	7	8	6	5			1								
	08	9914	10		00	08	06	80	7	36	7	7	6	5			1								
	14	9928	11		01	04	09	80	8	36	3	8	6	5			1								
	14	9941	09		00	04	06	80	8	36	3	8	6	4	2		1	1							
	17	9943	08		01	05	05	80	8	38	3	8	6	5			1								
	20	9932	05		505	10	06	80	5	36	3	2	6	5		0	1	1							
	23	9894	05		504	00	00	80	8	02	3	6	6	5	1		1	1		03	70	163	0000	11	05
18	02	9846	07		503	11	08	80	8	03	1	3	5	5	0	7	1		1						
	05	9793	14		07	14	07	08	8	77	7	8	6	5			1								
	08	9730	18		10	13	16	56	7	36	7	7	6	5			1								
	11	9695	20		11	11	22	66	8	36	3	8	6	5			1								
	14	9646	23		14	08	32	58	8	36	3	8	6	4	2		1	1							
	17	9620	20		13	06	40	04	8	38	3	8	6	5			1								
	20	9639	20		10	06	36	58	5	36	3	2	6	5	1	0	1	1							
	23	9672	20		09	07	30	66	8	02	3	6	6	5	1		1	1		07	70	225	0007	23	05

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LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
19	02	9698	20		07	07	28	80	1	02	2	1	0	9	0	8			1						
	05	9729	18		03	07	26	74	5	02	2	5	0	9	0	8			1						
	08	9762	17		02	09	29	74	7	03	1	7	5	5			1								
	11	9799	17		01	10	13	74	7	02	2	7	6	5			1								
	14	9825	16		00	11	10	74	8	02	2	8	6	5			1								
	17	9855	13		08	12	07	08	8	71	7	8	6	5			1								
	20	9867	13		06	11	10	74	2	02	1	2	5	5			8								
	23	9881	12		01	13	09	74	8	03	1	8	5	5			1			09	45	674	0000	20	12
20	02	9890	12		501	12	07	80	5	02	1	5	0	9	1	8		1	1						
	05	9896	11		503	10	10	82	2	02	0	2	0	9	0	8			1						
	08	9905	13		501	09	12	74	7	03	1	7	5	5			1								
	11	9929	13		502	10	10	74	7	02	2	7	5	5			1								
	14	9952	11		501	13	07	74	7	02	2	7	5	5			1								
	17	9971	11		00	13	04	80	7	02	2	7	6	5			1								
	20	9984	11		501	13	05	74	7	02	2	7	6	5			1								
	23	9994	05		507	13	14	74	7	01	1	5	5	5	0	8	1		1	13	20	283	0000	14	02
21	02	9986	500		512	13	15	74	0	01	1	0	0	9	0	0									
	05	9991	501		512	13	08	80	0	02	0	0	0	9	0	0									
	08	9991	00		513	12	09	80	1	03	0	0	0	9	0	8			1						
	11	9991	02		513	12	07	80	1	02	0	0	0	9	0	8			1						
	14	9986	00		513	11	06	80	1	02	0	0	0	9	0	8			8						
	17	9969	501		513	10	08	80	1	02	0	0	0	9	0	8			8						
	20	9953	500		513	08	07	80	0	02	0	0	0	9	0	0									
	23	9937	501		514	04	08	80	0	02	0	0	0	9	0	0				13	17	236	0000	01	503
22	02	9917	500		511	07	08	80	0	02	0	0	0	9	0	0									
	05	9893	500		512	05	08	80	1	02	1	0	0	9	0	8			8						
	08	9877	00		511	05	16	80	2	02	1	0	0	9	0	8			8						
	11	9861	01		509	05	20	08	8	03	1	3	0	9	1	7		1	1						
	14	9850	501		505	04	19	04	3	01	1	0	0	9	0	1			1						
	17	9850	501		504	04	19	00	3	02	0	0	0	9	0	7			8						
	20	9851	501		506	04	15	32	8	02	1	0	0	9	0	7			8						
	23	9852	503		507	04	16	65	3	01	1	0	0	9	0	8			8	12	15	221	0000	01	504
23	02	9854	500		508	04	10	80	8	03	1	0	0	9	0	7			1						
	05	9847	00		512	06	04	80	8	02	2	0	0	9	0	7			1						
	08	9844	01		510	00	00	80	8	02	2	0	0	9	2			1							
	11	9836	00		513	09	03	82	8	36	3	0	0	9	2			1							
	14	9834	501		516	11	04	82	8	36	3	8	6	5			1								
	17	9824	503		520	11	02	82	8	38	3	8	6	5			1								
	20	9808	503		520	09	04	82	8	36	3	8	6	5			1								
	23	9790	503		518	04	09	82	8	03	3	8	5	5			1			05	33	375	0001	504	512
24	02	9781	504		508	04	10	80	3	01	2	3	5	5	0	0	1								
	05	9781	508		512	06	04	80	2	01	1	0	0	9	0	9			8						
	08	9783	505		510	00	00	80	7	03	1	7	5	5			1								
	11	9799	507		513	09	03	82	7	02	2	7	5	6			1								
	14	9816	510		516	11	04	82	6	01	2	6	5	6	0	0	1								
	17	9834	511		520	11	02	82	6	01	1	0	0	9	0	9			1						
	20	9850	512		520	09	04	82	5	01	2	0	0	9	0	8			5						
	23	9860	510		518	04	09	82	7	03	2	2	0	9	1	6		5	5	03	20	375	0001	504	512
25	02	9860	509		518	04	15	80	8	03	2	3	0	9	1	7			1						
	05	9863	508		517	04	19	66	8	36	2	8	0	9	1				1						
	08	9865	510		518	04	24	74	7	03	3	7	5	5	1		1		1						
	11	9865	511		519	04	16	82	6	01	1	2	0	9	1	9			1						
	14	9866	511		520	04	19	80	7	03	1	5	5	5	1	9	1		1						
	17	9856	511		521	05	07	80	5	01	2	0	0	9	0	9			1						
	20	9848	511		520	04	14	80	8	02	2	0	0	9	0	7			1						
	23	9829	513		523	03	04	82	2	01	1	0	0	9	0	9			1	04	32	236	0000	508	513
26	02	9794	512		520	19	02	80	5	03	1	0	0	9	0	9			1						
	05	9766	512		519	17	05	52	3	01	1	0	0	9	0	8			1						
	08	9726	511		517	18	09	80	7	03	1	7	6	5			2								
	11	9675	509		514	19	10	48	8	71	2	8	6	5			2								
	14	9626	508		511	19	06	66	8	70	7	6	6	5	7	8	1	1	1						
	17	9585	505		511	19	14	56	8	70	7	5	6	5	1		1	1							
	20	9563	503		510	20	16	66	8	70	7	8	6	5			1								
	23	9511	502		507	21	22	16	8	36	7	8	6	5			1			21	30	248	0000	502	513
27	02	9493	503		507	21	19	48	8	36	3	8	6	5			1								
	05	9486	501		505	22	12	08	8	70	7	8	6	5			5								
	08	9499	506		509	32	10	16	8	71	7	7	6	5			7								
	11	9526	510		513	36	09	16	7	71	7	5	6	5	0	2	7		8						
	14	9572	512		515	36	15	08	8	73	7	8	0	9	2		8								
	17	9621	510		513	36	08	08	8	73	7	8	0	5	2	5	8								
	20	9661	511		514	04	09	08	8	71	7	4	6	5	8		1	8	8						
	23	9694	517		520	04	08	06	3	01	7	3	0	9	1	0		1		21	31	368	0022	501	519

Results of Surface Observations,
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LOCAL STANDARD TIME			TEMPERATURES			SURFACE WIND						LOW CLOUD					DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST				EXTREME TEMPERATURES	
DAY	HOUR	STATION LEVEL PRESSURE	DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED	VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	AMOUNT	TYPE	BASE	MIDDLE CLOUD	HIGH CLOUD	LOW	MIDDLE	HIGH	DIRECTION	SPEED	ANEMOMETER WIND RUN	PRECIPITATION	MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
28	02	9731	519		523	07	10	82	3	01	1	3	0	9	1	0		1							
	05	9753	520		524	11	06	84	3	01	1	1	5	6	1	0	1	8							
	08	9759	518		522	12	02	84	4	03	1	0	0	9	1	0		8	1						
	11	9755	518		525	13	05	84	2	01	1	0	0	9	1	0		8							
	14	9736	516		523	18	11	84	4	02	1	0	0	9	1	0		8							
	17	9730	518		524	14	08	84	1	02	1	1	0	9	1	0		1							
	20	9727	518		524	18	06	84	0	02	0	0	0	9	1	0									
	23	9726	517		521	18	04	84	0	02	0	0	0	9	0	0				08	15	233	0000	516	520
29	02	9726	514		520	00	00	84	1	03	0	0	0	9	0	8			1						
	05	9714	514		520	00	00	84	8	03	1	0	0	9	0	7			1						
	08	9709	04		512	00	00	84	7	03	1	3	5	6	7	7	1	1	1						
	11	9714	04		504	10	16	84	7	02	2	4	5	6	7	8	1	1	1						
	14	9723	04		506	10	13	82	6	01	2	1	5	6	7		1	1							
	17	9738	502		506	10	13	82	6	02	2	6	0	9	7			1							
	20	9746	503		510	13	10	82	2	01	2	2	0	9	7	0		1							
	23	9755	505		512	12	09	82	0	01	1	0	0	9	0	0				11	24	152	0000	05	517
30	02	9751	504		513	12	06	82	0	02	0	0	0	9	0	0									
	05	9756	504		513	12	09	82	0	02	0	0	0	9	0	0									
	08	9753	506		513	10	08	84	0	02	0	0	0	9	0	0									
	11	9767	507		516	13	04	84	0	02	0	0	0	9	0	0									
	14	9779	509		517	11	06	84	1	03	0	0	0	9	0	8			1						
	17	9791	510		519	10	09	84	0	02	1	0	0	9	0	0									
	20	9801	510		519	10	03	84	0	02	0	0	0	9	0	0									
	23	9815	512		521	11	06	84	0	02	0	0	0	9	0	0				08	17	258	0000	503	512
31	02	9831	511		520	11	07	84	0	02	0	0	0	9	0	0									
	05	9838	510		519	14	07	84	1	03	0	0	0	9	0	8			1						
	08	9860	510		519	14	01	84	1	02	1	0	0	9	0	8			1						
	11	9883	512		521	12	07	84	1	02	1	0	0	9	0	8			1						
	14	9896	510		519	00	00	84	2	02	1	0	0	9	0	8			8						
	17	9897	510		518	00	00	84	4	03	1	0	0	9	0	6			1						
	20	9900	506		514	18	03	84	3	02	1	0	0	9	0	8			1						
	23	9891	501		510	09	01	82	7	03	1	0	0	7	2	8		8	1	21	17	186	0000	00	512

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LOCAL STANDARD TIME			TEMPERATURES			SURFACE WIND						LOW CLOUD					DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST				EXTREME TEMPERATURES	
DAY	HOUR	STATION LEVEL PRESSURE	DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED	VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	AMOUNT	TYPE	BASE	MIDDLE CLOUD	HIGH CLOUD	LOW	MIDDLE	HIGH	DIRECTION	SPEED	ANEMOMETER WIND RUN	PRECIPITATION	MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
01	02	9881	02		502	16	03	32	8	71	7	8	6	5			8								
	05	9860	07		501	13	03	32	8	70	7	8	6	5			8								
	08	9830	15		09	08	17	58	8	15	7	8	6	5			1								
	11	9816	16		08	09	07	66	8	36	2	7	6	5			1								
	14	9775	17		12	09	17	58	8	36	3	8	6	5			1								
	17	9740	19		16	08	30	02		39	3														
	20	9707	20		17	07	34	01		39	3														
	23	9681	23		18	06	36	08	8	38	3	8	6	5			1			07	62	147	0001	23	00
02	02	9867	20		13	06	36	32	8	70	7	8	6	5			1								
	05	9712	21		16	06	36	58	7	02	2	6	6	5	2		1	1							
	08	9720	21		11	06	37	66	8	03	2	7	5	6	2		1	1							
	11	9734	20		12	08	31	80	7	01	2	7	5	6			1								
	14	9730	19		07	08	36	80	7	01	1	4	5	6	7		1	1							
	17	9737	19		08	08	33	80	7	02	2	7	5	6			1								
	20	9740	20		10	07	30	80	8	03	2	8	5	6			1								
	23	9753	19		10	06	36	80	8	02	2	8	5	6			1			07	70	694	0000	24	18
03	02	9776	19		16	05	33	80	8	02	2	8	5	6			1								
	05	9800	16		13	04	26	80	8	02	2	8	5	5			1								
	08	9815	17		16	05	10	63	7	71	2	7	6	5			1								
	11	9820	16		14	04	14	63	8	71	7	8	6	5			1								
	14	9840	13		10	04	30	32	8	38	3	8	6	5			1								
	17	9843	12		10	04	22	08	8	38	3	8	6	5			1								
	20	9865	12		11	04	10	08	8	38	3	8	6	5			1								
	23	9881	10		10	04	17	08	8	38	3	8	6	5			1			05	63	689	0000	19	10
04	02	9905	09		08	04	20	05	8	38	3	8	6	5			1								
	05	9911	06		05	04	30	02		38	3														
	08	9922	05		03	05	24	48	8	36	3	8	6	5			1								
	11	9927	05		03	05	24	66	7	01	3	7	6	5			1								
	14	9939	05		00	04	18	74	7	01	2	2	5	5			1								
	17	9929	05		501	04	16	74	8	02	2	8	5	5			1								
	20	9922	05		01	04	10	74	8	02	2	8	5	5			1								
	23	9904	03		502	04	04	74	5	01	2	5	5	5			1			05	38	595	0001	10	03
05	02	9887	03		502	04	07	74	3	01	1	3	5	5	0	0	1								
	05	9872	01		505	10	02	80	1	01	1	0	0	9	0	8			8						
	08	9863	500		507	06	03	82	1	02	1	0	0	9	0	5			1						
	11	9855	502		508	00	00	84	1	02	1	0	0	9	0	5			1						
	14	9855	502		510	11	09	84	1	02	1	0	0	9	0	5			1						
	17	9860	503		507	09	09	84	1	02	1	0	0	9	0	0			1						
	20	9864	504		514	13	04	84	0	02	1	0	0	9	0	0									
	23	9864	504		515	11	06	84	0	02	0	0	0	9	0	0				09	14	289	0000	03	504
06	02	9866	505		515	11	05	84	0	02	0	0	0	9	0	0									
	05	9872	505		515	09	04	84	0	02	0	0	0	9	0	0									
	08	9886	505		517	07	10	84	1	02	1	0	0	9	0	8			1						
	11	9892	505		517	07	06	84	1	02	1	1	7	5	0	8	1		1						
	14	9887	505		518	07	10	84	1	02	1	1	7	5	0	8	1		1						
	17	9880	507		520	07	12	84	1	03	1	1	5	5	0	0	1								
	20	9875	508		522	06	07	84	0	01	0	0	0	9	0	0									
	23	9852	511		524	09	03	84	0	02	0	0	0	9	0	0				07	33	179	0000	504	511
07	02	9841	510		523	09	02	84	0	02	0	0	0	9	0	0									
	05	9826	512		525	11	03	84	0	02	0	0	0	9	0	0									
	08	9811	512		526	12	04	84	0	02	0	0	0	9	0	0									
	11	9802	512		524	13	05	84	0	02	0	0	0	9	0	0									
	14	9803	514		524	12	03	84	0	02	0	0	0	9	0	0									
	17	9803	514		526	13	08	84	0	02	0	0	0	9	0	0									
	20	9795	517		528	09	04	84	0	02	0	0	0	9	0	0									
	23	9791	518		529	10	04	84	0	02	0	0	0	9	0	0				11	14	184	0000	510	518
08	02	9799	515		526	08	07	84	0	02	0	0	0	9	0	0									
	05	9793	516		527	07	08	84	0	02	0	0	0	9	0	0									
	08	9799	516		527	08	08	84	0	02	0	0	0	9	0	0									
	11	9798	514		526	07	05	84	1	02	0	1	5	6	0	0	1								
	14	9799	514		526	07	04	84	1	02	1	0	0	9	0	8			1						
	17	9803	515		526	00	00	84	0	02	0	0	0	9	0	0									
	20	9776	516		527	14	01	84	1	02	1	0	0	9	0	8			1						
	23	9759	515		525	15	05	84	1	02	1	0	0	9	0	8			1	07	14	165	0000	514	518
09	02	9743	515		525	13	03	84	0	01	0	0	0	9	0	0									
	05	9721	517		527	13	04	84	0	02	0	0	0	9	0	0									
	08	9698	517		528	11	07	84	0	02	0	0	0	9	0	0									
	11	9693	514		525	09	07	84	0	02	0	0	0	9	0	0									
	14	9688	515		526	11	05	84	0	02	0	0	0	9	0	0									
	17	9688	515		526	10	06	84	0	02	0	0	0	9	0	0									
	20	9693	516		526	09	06	84	0	02	0	0	0	9	0	0									
	23	9697	515		526	09	03	84	0	02	0	0	0	9	0	0				09	16	122	0000	513	517

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DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	° × 10	kt	VV	Oktas	ww	w	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	° × 10	kt	St.miles	Points	°F	°F
10	02	9704	510		518	12	05	82	8	70	1	8	7	4			1								
	05	9709	507		513	12	04	80	8	01	7	4	7	4			1								
	08	9712	503		508	10	05	66	8	70	2	8	6	4			1								
	11	9726	501		505	10	03	58	8	71	7	8	6	4			1								
	14	9734	01		502	10	04	58	8	70	7	8	6	4			1								
	17	9743	01		00	27	07	32	8	71	7	8	6	4			1								
	20	9748	501		503	26	10	16	8	73	7	8	6	4			1								
	23	9754	504		506	25	10	16	8	73	7	8	6	4			1			25	14	169	0001	01	515
11	02	9759	506		508	25	10	16	8	71	7	8	6	4			1								
	05	9759	510		512	25	10	32	8	71	7	8	6	4			1								
	08	9767	510		513	25	11	32	8	73	7	8	6	4			1								
	11	9788	509		512	24	11	48	8	73	7	6	6	4	7		1	1							
	14	9808	509		512	25	09	63	7	01	2	4	6	4			1								
	17	9824	508		510	24	03	32	7	03	2	6	5	5	2		1	1							
	20	9838	503		505	27	03	58	8	03	2	6	5	5	1		1	1							
	23	9847	503		507	13	05	66	4	01	1	2	5	5	1		1	1		26	14	274	0007	503	510
12	02	9852	503		507	11	03	66	3	01	1	2	5	5	1		1	1							
	05	9853	501		507	11	06	74	2	01	1	1	5	5	1	0	1	1							
	08	9846	509		514	09	02	84	4	03	1	2	0	8	1	1		1	1						
	11	9839	507		511	07	01	84	6	03	1	2	0	8	1	7		1	1						
	14	9817	510		515	18	04	84	8	03	1	8	0	9	0	8			1						
	17	9819	509		515	00	00	84	6	01	2	0	0	9	0	8			1						
	20	9756	506		511	20	08	84	7	01	1	0	0	9	0	8			1						
	23	9734	501		507	13	02	84	8	01	2	0	0	9	0	8			1	07	10	201	0000	01	512
13	02	9712	06		502	09	05	74	8	03	3	4	5	6	0	8	1		1						
	05	9689	12		04	06	17	16	8	38	3	8	5	6			1								
	08	9680	14		04	08	16	58	8	36	3	8	5	6			1								
	11	9687	15		12	06	22	66	7	36	3	7	5	6			1								
	14	9697	18		12	07	21	63	7	36	3	7	5	6			1								
	17	9705	19		10	07	22	63	8	36	3	8	5	6	2		1	1							
	20	9703	16		14	05	35	63	8	38	3	8	5	6			1								
	23	9756	15		12	05	30	66	8	02	3	8	5	6			1			06	52	214	0000	19	01
14	02	9773	16		11	06	34	65	8	02	2	8	5	6			1								
	05	9784	16		11	06	36	66	7	01	2	7	6	5			1								
	08	9822	17		09	08	21	74	5	01	2	5	6	5			1								
	11	9843	16		01	10	09	74	8	70	1	3	7	5			1								
	14	9837	13		501	12	10	80	7	01	1	2	6	5			1								
	17	9826	11		502	09	09	80	5	01	1	4	5	5	2	7	1	1	1						
	20	9801	04		507	13	11	82	2	01	1	0	0	7	2	8		1	1						
	23	9776	02		509	12	09	82	2	02	1	0	0	9	0	8			1	06	55	697	0000	17	02
15	02	9760	05		507	11	09	82	1	01	1	0	0	9	0	8			1						
	05	9746	04		507	11	06	82	1	02	1	0	0	9	0	8			1						
	08	9732	06		507	14	02	82	3	03	0	0	0	9	0	8			1						
	11	9725	13		503	08	16	82	3	05	1	3	0	9	5	0		1							
	14	9732	13		00	08	10	82	5	03	1	5	0	9	5	0		1							
	17	9749	10		00	10	06	82	5	03	1	5	5	6	5	0	1	1							
	20	9762	13		02	08	15	82	3	01	1	3	5	6	0	0	1								
	23	9771	12		03	07	10	82	3	02	1	3	5	6	0	0	1			08	38	245	0000	14	02
16	02	9786	11		00	08	13	82	2	02	1	1	5	6	5	0	1	1							
	05	9790	09		503	09	09	82	2	02	1	1	5	6	5	0	1	1							
	08	9997	06		507	11	12	82	2	02	1	2	5	6	0	0	1								
	11	9793	05		507	12	10	82	2	02	1	2	5	6	0	0	1								
	14	9787	05		507	11	13	84	1	02	1	1	5	6	0	0	1								
	17	9774	00		511	10	11	84	1	02	1	1	5	6	0	0	1								
	20	9757	502		512	11	05	84	1	02	1	1	0	9	3	0		1							
	23	9733	503		513	13	06	84	1	02	1	1	0	9	3	0		1		07	29	309	0000	12	505
17	02	9712	504		513	13	06	82	1	02	1	1	0	9	3	0		1							
	05	9676	504		513	13	03	80	0	02	0	0	0	9	0	0									
	08	9665	508		516	02	03	84	0	02	0	0	0	9	0	0									
	11	9663	10		511	10	09	84	0	02	0	0	0	9	0	0									
	14	9675	11		511	12	04	84	0	02	0	0	0	9	0	0									
	17	9682	503		511	11	01	84	0	02	0	0	0	9	0	0									
	20	9700	502		513	07	07	84	0	02	0	0	0	9	0	0									
	23	9731	502		510	04	24	84	0	02	0	0	0	9	0	0				03	32	208	0000	01	508
18	02	9767	03		502	09	27	70	8	70	1	8	6	5			1								
	05	9791	03		01	09	32	74	5	01	7	2	6	5			1								
	08	9801	03		02	04	16	16	8	71	7	8	6	5			1								
	11	9810	05		01	04	10	74	8	02	7	8	6	5			1								
	14	9812	05		504	09	03	80	8	02	2	8	6	5			1								
	17	9798	01		505	11	03	74	1	01	2	1	6	5	0	0	1								
	20	9786	503		510	10	06	82	0	02	1	0	0	9	0	0									
	23	9776	505		513	11	07	82	0	02	0	0	0	9	0	0				04	44	364	0000	05	505

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LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°× 10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°× 10	kt	St.miles	Points	°F	°F
19	02	9771	506		514	12	08	82	0	02	0	0	0	99	0	0									
	05	9764	507		516	10	03	82	0	02	0	0	0	99	0	0									
	08	9766	508		516	11	04	82	1	03	1	1	0	99	4	0		1							
	11	9771	504		513	10	04	84	2	03	1	1	0	99	0	5	1		1						
	14	9775	503		511	00	00	84	1	01	1	1	0	99	1	8		1	1						
	17	9783	507		510	00	00	82	2	03	1	1	0	99	0	7			1						
	20	9791	509		511	00	00	80	8	03	1	1	0	99	0	7			1	12	13	181	0000	501	509
	23	9801	508		510	32	03	80	8	02	2	0	0	99	0	7									
20	02	9805	508		510	27	06	80	8	03	2	0	0	99	2	7			1						
	05	9826	510		513	28	10	80	8	03	2	2	0	99			6		1						
	08	9841	509		512	23	10	80	7	02	2	4	0	99			2								
	11	9853	508		512	27	05	84	4	01	2	7	0	99			2								
	14	9860	508		511	00	00	84	2	01	2	4	0	99											
	17	9865	509		512	22	01	84	2	01	1	2	0	99	0	0									
	20	9867	512		515	22	01	84	0	01	1	0	0	99	7	0									
	23	9867	511		514	22	01	82	2	03	0	0	0	99	0	5			1	27	16	117	0000	508	513
21	02	9863	506		509	23	04	82	7	03	1	7	5	66			2								
	05	9858	506		510	20	04	82	8	03	2	8	5	66			5								
	08	9860	505		509	20	04	80	7	02	2	7	5	65			5								
	11	9866	503		509	22	06	80	7	02	2	7	5	65			1								
	14	9866	504		509	00	00	80	8	01	2	1	5	66	0	8	1	1	1						
	17	9870	506		511	21	06	80	4	01	1	1	5	66	2	8	1		1						
	20	9875	506		509	22	07	80	3	01	1	1	5	66	0	8	1		1	21	10	182	0000	503	511
	23	9880	503		507	21	02	80	7	03	1	7	5	66			1								
22	02	9886	503		508	00	00	80	7	02	2	7	5	66			1								
	05	9890	02		504	00	00	80	8	02	2	8	5	65			1								
	08	9892	02		504	18	01	63	8	02	2	8	5	55			1								
	11	9894	02		504	00	00	66	8	02	2	8	5	55			1								
	14	9894	04		501	00	00	74	8	02	2	8	5	55			1								
	17	9900	03		501	23	02	74	8	02	2	8	5	55			1								
	20	9902	02		501	22	04	58	8	71	2	8	5	56			1								
	23	9905	02		00	23	07	16	8	71	7	8	6	56			1			23	10	121	0000	04	503
23	02	9910	04		02	16	03	32	8	71	7	8	6	55			1								
	05	9916	04		02	00	00	48	8	71	7	8	6	55			1								
	08	9927	05		03	13	04	24		71	7	7					1								
	11	9940	08		503	00	00	66	7	01	7	7	5	56	7	8	1	1	1						
	14	9949	04		502	00	00	82	4	01	2	1	0	56	7	8	1	1	1						
	17	9950	01		505	00	00	82	5	03	2	1	5	66	0	8	1		1						
	20	9945	500		507	00	00	80	4	01	2	1	5	66	0	6	1		1	23	08	131	0004	08	506
	23	9927	506		511	00	00	82	7	03	2	1	0	0	9	7			1						
24	02	9909	503		510	00	00	82	8	02	2	0	0	0	9	0			1						
	05	9896	00		508	14	04	80	8	02	2	0	0	0	9	0			1						
	08	9887	501		512	00	00	82	7	01	2	0	0	0	9	0			1						
	11	9889	03		509	14	01	82	8	03	2	0	0	0	9	0			1						
	14	9889	08		506	00	00	82	8	02	2	0	0	0	9	0			1						
	17	9895	03		509	14	04	84	6	01	2	0	0	0	9	0			1						
	20	9894	04		507	11	03	82	6	02	2	0	0	0	9	0			1	11	14	063	0000	08	506
	23	9897	04		504	14	05	82	7	03	2	0	0	0	9	0			1						
25	02	9890	10		05	13	04	66	8	70	2	8	6	55			1								
	05	9897	12		04	15	04	74	8	02	2	8	6	55			1								
	08	9898	12		04	16	04	74	8	02	2	8	6	55	2		1	1							
	11	9905	16		06	16	04	74	8	02	2	8	5	55			1		1						
	14	9910	15		06	16	04	66	8	71	2	8	5	56	1		1								
	17	9923	14		06	00	00	63	8	70	2	8	6	56			1								
	20	9930	13		05	00	00	63	8	02	2	8	6	55			1			05	17	173	0000	17	07
	23	9942	15		08	07	05	48	8	71	2	8	6	55			1								
26	02	9932	17		11	04	06	66	8	02	2	8	6	56			1								
	05	9924	18		11	08	04	66	8	02	2	8	6	55			1								
	08	9889	20		16	07	30	58	8	36	2	8	6	55			1								
	11	9839	23		21	06	63	58	6	36	3	6	5	55			1		1						
	14	9851	23		19	05	44	66	8	02	3	2	7	55			1		1						
	17	9819	21		17	04	38	66	8	02	2	1	5	59	1	7	1		1						
	20	9783	21		17	04	42	66	7	01	2	6	0	59	7	7	9		1	05	69	109	0001	23	16
	23	9764	21		16	04	30	74	7	02	2	7	0	59											
27	02	9734	22		17	04	28	74	6	01	2	5	0	99	9	7			1						
	05	9704	24		18	06	36	66	H	03	2	8	0	99	5	7	2		1						
	08	9671	25		18	07	34	66	H	03	2	7	0	99	5				1						
	11	9624	23		18	06	51	58	H	38	2	1	0	99	5				1						
	14	9616	21		21	04	38	00		39	3		0	99	5				1						
	17	9665	24		24	06	35	00		39	3		0	99	5				1						
	20	9680	23		23	05	44	00		39	3		0	99	5				1						
	23	9691	22		22	04	40	04	H	38	3	8	6	5					1	06	64	654	0000	25	21

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LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°× 10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°× 10	kt	St.miles	Points	°F	°F
28	02	9691	22		22	04	34	00		39	3														
	05	9678	21		21	05	15	32	8	38	3	8	6	5			1								
	08	9657	19		19	06	12	66	8	01	2	1	5	5	2		1	1							
	11	9669	19		19	05	12	48	8	71	7	8	0	9	2		1								
	14	9708	17		17	04	22	08	8	36	7	8	0	9	2		1								
	17	9745	19		18	04	22	00		39	3														
	20	9784	19		19	04	18	04	8	39	3	8	0	9	2		1								
	23	9817	20		19	04	18	32	7	36	3	7	6	4			1					101	0005	22	17
29	02	9835	19		19	03	13	58	8	01	3	8	6	5			1								
	05	9834	20		20	05	05	63	8	01	3	8	6	5			1								
	08	9829	23		22	04	17	48	8	36	2	8	6	5			1								
	11	9841	23		21	04	20	60	7	36	3	7	5	5			1								
	14	9832	22		18	05	26	58	7	36	3	5	5	5	7	2	1	1	1						
	17	9852	19		16	06	27	48	8	36	3	6	5	5	7	8	1	1	1						
	20	9859	19		11	07	23	58	6	36	3	3	5	5	7	2	1	1	1						
	23	9869	17		05	10	12	66	7	02	3	7	5	5			1			06	37	429	0001	23	17
30	02	9867	16		03	10	13	74	8	01	2	8	5	5			1								
	05	9870	17		04	12	09	66	7	01	2	7	5	5			1								
	08	9881	13		01	13	08	74	7	02	2	7	5	6			1								
	11	9895	14		01	00	00	82	5	03	1	2	0	9	7	5		1	1						
	14	9918	13		00	10	02	82	6	03	1	6	0	9	7			1							
	17	9940	08		504	12	08	82	8	03	1	2	0	9	7	8		1	1						
	20	9995	05		506	14	06	82	2	01	1	2	0	9	7	0		1							
	23	1001 2	02		507	14	07	82	0	01	1	0	0	9	0	0				10	17	407	0000	17	02
31	02	10025	501		511	13	08	82	0	02	0	0	0	9	0	0									
	05	10039	500		508	06	02	82	0	02	0	0	0	9	0	0									
	08	10059	05		506	11	08	82	1	03	0	0	0	9	0	5									
	11	10089	11		01	12	06	82	3	03	1	2	5	7	0	5	1		1						
	14	10098	15		05	14	04	82	7	03	1	6	5	6	0	8	1		1						
	17	10102	10		00	12	04	80	8	01	1	1	5	6	0	7	1		1						
	20	10091	04		505	14	19	80	2	01	1	2	5	6	0	0	1								
	23	10084	04		507	12	13	80	2	02	1	2	5	6	0	0	1			13	19	177	0000	15	501

Results of Surface Observations,
DAVIS – Sep., 1961

LOCAL STANDARD TIME			TEMPERATURES			SURFACE WIND						LOW CLOUD					DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST				EXTREME TEMPERATURES	
DAY	HOUR	STATION LEVEL PRESSURE	DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED	VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	AMOUNT	TYPE	BASE	MIDDLE CLOUD	HIGH CLOUD	LOW	MIDDLE	HIGH	DIRECTION	SPEED	ANEMOMETER WIND RUN	PRECIPITATION	MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
01	02	10077	01		508	16	10	82	0	01	1	0	0	9	0	0									
	05	10068	01		509	13	09	82	0	02	0	0	0	9	0	0									
	08	10054	02		508	11	10	82	0	02	0	0	0	9	0	0									
	11	10039	06		504	11	16	82	0	02	0	0	0	9	0	0									
	14	10033	09		502	13	18	82	0	02	0	0	0	9	0	0									
	17	10030	09		501	14	15	82	2	03	0	0	0	9	0	5			1						
	20	10025	05		506	10	15	80	0	01	1	0	0	9	0	0				11	35	263	0000	10	00
	23	10007	04		504	12	27	04	0	36	0	0	0	9	0	0									
02	02	10023	06		505	08	04	80	0	02	3	0	0	9	0	0									
	05	10018	08		502	07	02	82	0	02	3	0	0	9	0	0									
	08	10018	07		504	14	17	80	1	03	3	0	0	9	0	8			1						
	11	10009	11		502	14	13	82	1	02	3	0	0	9	0	8			1						
	14	9985	11		501	13	16	82	6	03	1	0	0	9	0	6			1						
	17	9969	07		505	12	17	82	8	03	1	0	0	9	0	7			1						
	20	9952	07		505	11	10	82	8	02	2	0	0	9	0	7			1	12	28	387	0000	11	05
	23	9947	06		507	09	06	82	5	01	2	0	0	9	0	8			1						
03	02	9923	02		508	15	06	82	5	02	1	0	0	9	0	8			1						
	05	9905	02		510	14	03	82	6	02	1	0	0	9	0	8			1						
	08	9903	501		511	00	00	82	2	03	1	1	1	5	7	0	1	1							
	11	9883	07		505	08	20	82	1	03	1	1	1	5	6	0	1								
	14	9866	08		503	07	06	82	7	03	1	1	7	5	6		1								
	17	9853	10		502	09	09	80	7	02	2	2	7	5	6		1								
	20	9844	13		00	09	13	80	8	03	2	2	8	5	6		1			07	24	275	0000	13	501
	23	9846	09		503	10	16	80	8	02	2	2	7	5	6										
04	02	9844	05		509	12	11	80	5	01	2	2	5	5	6	0	0	1							
	05	9839	01		512	12	10	80	2	01	2	1	2	0	5	0	0	1							
	08	9831	02		509	11	08	82	1	01	1	1	0	0	9	3	0		1						
	11	9832	07		505	12	02	82	1	02	1	1	0	0	9	0	8			1						
	14	9836	12		501	07	05	82	1	02	1	1	0	0	9	0	7			1						
	17	9838	09		503	00	00	82	3	03	1	1	1	0	9	1	1		1						
	20	9835	11		00	09	03	80	8	03	1	1	8	0	9	1	7		1	11	23	310	0000	12	01
	23	9835	12		00	09	07	80	8	02	2	2	2	0	9	-									
05	02	9837	10		501	09	03	80	1	01	2	1	5	5	6	0	0	1							
	05	9843	10		501	13	06	80	4	03	1	1	2	5	5	7	8	2	1	1					
	08	9854	10		501	13	06	80	7	01	1	1	5	5	6	7		1	1						
	11	9854	12		501	13	04	80	8	01	1	1	1	5	6	7	7	2	1						
	14	9860	12		00	14	07	80	8	03	2	2	2	0	9	7			1	1					
	17	9865	09		504	14	05	80	8	02	2	2	3	0	9	7			1	1					
	20	9860	05		507	16	05	80	6	01	2	2	2	0	9	7	8		1	14	13	156	0000	13	04
	23	9858	04		507	14	05	80	6	03	1	1	4	0	9	7	8		1						
06	02	9855	05		507	15	06	80	3	01	2	1	0	0	9	0	8		1						
	05	9858	05		506	15	04	80	2	01	1	1	5	0	6	1	8	1	1						
	08	9854	08		504	13	01	80	8	03	1	1	5	0	6	2	8		1						
	11	9854	12		502	00	00	82	8	01	2	2	0	0	9	0	7		1						
	14	9859	12		502	04	07	82	7	03	2	2	0	0	9	0	7		1						
	17	9865	09		503	08	02	82	8	03	2	2	1	0	9	0	7		1						
	20	9869	10		503	09	03	82	8	02	2	2	0	0	9	0	7		1	04	21	191	0000	13	04
	23	9876	11		501	09	01	82	8	02	2	2	0	0	9	0	7		1						
07	02	9879	10		501	15	02	80	8	03	2	2	4	5	6	6	0	8	1						
	05	9881	10		02	13	03	80	8	03	2	2	8	6	5	5			1						
	08	9878	10		00	09	03	80	7	01	2	2	6	5	6	6			1						
	11	9874	14		02	00	00	82	7	02	2	2	1	5	6	6	0	6	8						
	14	9865	16		00	00	00	82	1	01	2	2	0	0	9	9	0	8	8						
	17	9865	14		501	00	00	82	1	02	1	1	0	0	9	9	0	8	8						
	20	9875	10		502	00	00	82	0	01	1	1	0	0	9	9	0	0							
	23	9886	07		506	13	05	80	0	02	0	0	0	0	9	9	0	0				185	0000	16	07
08	02	9897	08		504	08	06	82	0	02	0	0	0	0	9	9	0	0							
	05	9907	10		501	06	04	82	0	02	0	0	0	0	9	9	0	0							
	08	9923	11		502	09	08	84	0	02	0	0	0	0	9	9	0	0							
	11	9940	16		01	08	04	84	1	03	0	0	1	0	9	5	0	0	8						
	14	9951	17		01	07	06	84	1	02	1	1	0	0	9	5	0	0	8						
	17	9965	13		502	03	02	84	0	01	1	1	0	0	9	9	0	0							
	20	9977	09		505	04	02	84	0	02	0	0	0	0	9	9	0	0				140	0000	17	07
	23	9988	08		505	15	03	84	0	02	0	0	0	0	9	9	0	0							
09	02	9988	07		507	08	02	84	0	02	0	0	0	0	9	9	0	0							
	05	9984	06		509	11	09	84	0	02	0	0	0	0	9	9	0	0							
	08	9965	06		507	10	13	84	0	02	0	0	0	0	9	9	0	0							
	11	9942	12		505	10	08	84	0	02	0	0	0	0	9	9	0	0							
	14	9901	13		504	07	17	82	0	02	0	0	0	0	9	9	0	0							
	17	9887	13		503	05	22	82	0	02	0	0	0	0	9	9	0	0							
	20	9868	14		501	11	16	82	0	02	0	0	0	0	9	9	0	0							
	23	9862	18		04	09	08	82	8	03	1	8	5	9	6			1		06	42	194	0000	18	04

Results of Surface Observations,
DAVIS – Sep., 1961

LOCAL STANDARD TIME			TEMPERATURES			SURFACE WIND												DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST				EXTREME TEMPERATURES	
DAY	HOUR	STATION LEVEL PRESSURE	DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED	VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD AMOUNT	LOW CLOUD TYPE	LOW CLOUD BASE	MIDDLE CLOUD	HIGH CLOUD	LOW	MIDDLE	HIGH	DIRECTION	SPEED	ANEMOMETER WIND RUN	PRECIPITATION	MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
10	02	9861	17		03	00	00	82	8	02	2	8	5	6			1								
	05	9859	20		06	07	09	82	8	02	2	8	5	6			1								
	08	9853	19		07	03	10	80	8	02	2	8	5	6			1								
	11	9846	22		11	00	00	80	8	02	2	8	6	6			1								
	14	9837	23		17	04	14	80	8	71	2	8	6	6			1								
	17	9835	23		18	07	21	32	8	70	7	8	6	4			1								
	20	9836	22		18	05	27	32	8	71	7	8	6	4			1								
	23	9859	21		13	05	19	58	8	02	7	8	6	5			1			06	44	274	0000	23	17
11	02	9876	22		10	06	15	66	8	02	2	8	6	5			1								
	05	9886	21		09	07	20	74	7	01	2	7	5	5			1								
	08	9906	20		08	08	15	74	7	02	1	7	5	5			1								
	11	9926	21		08	07	09	74	7	02	1	7	5	5			1								
	14	9937	20		05	09	12	74	7	02	1	7	5	5			1								
	17	9947	17		02	11	09	74	7	02	2	6	5	5	0	1	1		1						
	20	9952	11		502	14	06	74	5	01	1	2	5	5	0	8	1		1						
	23	9977	08		505	13	06	74	5	01	1	1	5	5	0	8	1		1	06	33	397	0000	22	07
12	02	9968	06		506	12	08	74	4	03	1	2	5	5	0	8	1		1						
	05	9978	05		507	14	04	80	2	01	1	1	5	5	0	9	1		1						
	08	9986	06		506	12	04	80	7	03	1	7	5	5			1								
	11	9991	12		502	00	00	82	7	02	2	7	5	5			1								
	14	9994	14		01	16	04	82	7	02	2	7	5	5			1								
	17	9995	12		03	16	04	80	7	02	2	7	5	5			1								
	20	9998	11		03	17	06	80	5	01	2	5	5	5			1								
	23	10003	09		501	13	09	80	5	02	1	5	5	5			1			13	12	210	0000	14	05
13	02	10006	11		01	12	06	74	7	03	1	7	5	5			1								
	05	10008	13		03	13	06	66	8	01	7	2	6	5			1								
	08	10009	14		04	16	03	80	7	22	7	7	5	6			1								
	11	10009	18		05	00	00	82	1	01	2	1	5	6	0	0	3								
	14	10004	16		05	00	00	82	7	03	1	5	5	6	5		2	1							
	17	10002	18		05	15	03	82	6	01	2	2	5	6	5		3	1							
	20	10002	12		00	14	04	82	5	01	2	2	5	6	3	0	3	1							
	23	10002	15		05	15	04	82	8	03	2	2	5	6	1		3	1		11	09	125	0000	18	09
14	02	10001	15		12	18	03	04	8	77	7	8	6	5			3								
	05	9996	19		12	17	03	58	8	70	7	8	6	5			1								
	08	9997	20		11	00	00	63	8	70	7	6	6	5	7		1	1							
	11	9995	21		12	00	00	66	8	01	2	8	0	9	7		8	1							
	14	9987	25		12	09	11	74	8	02	7	6	5	5	1		1	1							
	17	9978	22		19	00	00	16	.	73	7														
	20	9972	23		15	10	02	58	8	01	7	8	5	5			1								
	23	9971	23		14	08	06	58	8	01	7	3	6	5			1			06	24	055	0001	25	15
15	02	9964	23		13	09	10	58	8	02	2	8	6	5			1								
	05	9961	22		13	00	00	66	8	02	2	8	6	5			1								
	08	9964	23		14	08	07	32	8	73	7	8	6	5			1								
	11	9965	23		15	04	15	32	8	73	7	8	6	5			1								
	14	9959	23		17	18	07	66	8	01	7	3	5	6	7		1	1							
	17	9950	18		15	16	05	80	7	01	2	0	0	9	0	9			1						
	20	9941	15		05	10	05	80	5	01	1	5	0	9	1			1							
	23	9941	14		02	09	08	80	5	02	1	5	0	9	1			1		05	36	200	0001	24	13
16	02	9940	12		502	11	08	82	8	03	1	2	0	9	1	8			1						
	05	9941	10		504	12	03	82	8	02	2	0	0	9	0	7			1						
	08	9943	12		502	13	02	82	4	01	2	0	0	9	0	8			1						
	11	9935	16		01	09	11	82	7	03	1	7	5	6			1								
	14	9930	19		05	09	05	82	7	02	2	7	5	6			1								
	17	9923	17		03	09	07	82	8	02	2	7	5	6	0	8	1		1						
	20	9912	15		01	12	08	80	8	02	2	7	5	6	0	8	1		1						
	23	9908	14		00	13	04	80	8	02	2	8	5	6			1			08	19	162	0000	19	10
17	02	9904	13		501	09	14	80	8	02	2	8	5	6			1								
	05	9900	12		502	07	12	80	8	02	2	8	5	6			8								
	08	9891	11		506	07	09	74	8	02	2	8	5	6			8								
	11	9888	12		505	04	06	74	8	02	2	8	5	6			8								
	14	9877	12		503	20	02	74	8	02	2	8	5	6			8								
	17	9865	11		502	32	05	80	8	02	2	8	5	6			8								
	20	9851	10		01	19	02	80	8	02	2	8	5	6			8								
	23	9823	07		503	12	03	84	3	01	1	1	5	6	0	8	8		8	07	25	200	0000	14	06
18	02	9835	07		504	14	05	84	4	03	1	0	0	9	0	8			1						
	05	9828	07		503	11	04	84	5	03	1	2	5	6	2	8	1	8	1						
	08	9829	11		501	10	03	84	7	03	1	2	5	6	5		1	1							
	11	9829	16		03	09	02	84	8	03	2	7	5	6	2		1	1							
	14	9835	18		15	16	02	32	8	71	2	7	6	4	2		1	1							
	17	9835	19		10	05	09	74	6	01	1	3	5	6	7	8	8	8	8						
	20	9848	16		05	09	07	84	4	01	1	1	5	6	7	8	8	8	8						
	23	9857	16		03	09	11	84	5	03	1	1	5	6	7	8	8	1	1	09	17	124	0000	19	06

Results of Surface Observations,
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LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°× 10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°× 10	kt	St.miles	Points	°F	°F
19	02	9863	13		503	09	05	84	6	03	1	1	5	6	7	8	1	1	1						
	05	9867	12		505	09	06	84	7	02	1	1	5	6	5	6	1	1	1						
	08	9870	12		505	07	05	84	3	01	2	1	5	6	1	2	1	1							
	11	9874	15		503	04	16	84	2	01	1	1	5	6	0	8	1								
	14	9893	14		502	04	24	84	6	03	1	1	5	6	0	6	1	1	1						
	17	9883	11		505	05	19	84	6	02	1	1	0	9	6	5									
	20	9890	06		507	04	10	84	2	01	2	1	5	6	0	8	1		1						
	23	9888	04		511	00	00	84	3	03	1	3	5	6	0	0	1			04	31	220	0000	16	04
20	02	9901	06		507	09	06	82	7	03	1	7	5	6			1								
	05	9910	06		507	16	04	82	7	02	2	7	5	6			1								
	08	9914	06		506	13	02	82	7	02	2	6	5	5	5		1	1							
	11	9922	08		504	00	00	82	7	02	2	1	5	6	2		1	1							
	14	9927	09		503	00	00	69	7	02	2	7	0	9	2		1								
	17	9932	08		01	29	04	74	7	02	2	7	5	6			1								
	20	9937	07		02	00	00	74	7	02	2	7	5	6			1			09	15	158	0000	09	04
	23	9947	07		02	16	02	32	8	71	2	8	0	9	2		1								
21	02	9941	05		504	15	06	64	8	01	7	2	7	5	2		1								
	05	9941	04		505	16	05	64	8	02	2	4	7	5	2		1								
	08	9946	05		504	00	00	66	8	02	2	8	5	6			1								
	11	9942	07		504	22	03	66	8	02	2	8	5	6			1								
	14	9935	08		505	00	00	74	8	02	2	8	5	6			1								
	17	9929	07		503	00	00	74	8	02	2	8	5	6			1								
	20	9927	06		506	14	03	74	8	02	2	8	5	6			1								
	23	9923	05		506	00	00	66	7	02	2	7	5	6			1			15	10	092	0000	08	05
22	02	9920	04		509	14	06	74	7	02	2	7	5	6			1								
	05	9916	03		510	09	04	74	7	02	2	7	5	6			1								
	08	9909	02		509	36	03	80	7	02	2	7	5	6			1								
	11	9901	02		512	04	16	82	1	01	1	1	5	6	0	0	1								
	14	9888	01		511	03	08	84	1	02	1	1	5	6	0	0	1								
	17	9880	00		510	00	00	84	3	03	1	3	5	6	0	0	2								
	20	9867	500		512	00	00	84	7	03	1	7	5	6			2								
	23	9850	00		513	06	10	84	7	02	1	7	5	6			2			04	21	092	0000	05	500
23	02	9837	501		512	08	08	84	3	01	1	3	5	6	0	0	2								
	05	9826	505		516	06	09	84	1	02	1	1	5	6	0	0	1								
	08	9819	502		515	05	19	84	1	02	1	1	5	6	0	0	1								
	11	9823	01		514	04	25	84	6	03	1	4	5	6	3	0	1	1							
	14	9826	01		514	05	27	80	7	03	1	6	5	6	3		1	1							
	17	9836	500		511	04	16	74	7	02	3	6	5	6	3		1	1							
	20	9839	501		514	04	18	74	7	02	2	7	5	6			1								
	23	9850	502		515	05	16	74	8	02	2	8	5	6			1			04	39	213	0000	01	505
24	02	9860	503		515	05	13	74	7	01	2	7	5	6			1								
	05	9868	502		516	05	14	74	7	02	2	7	5	6			1								
	08	9884	502		516	04	10	84	5	01	2	2	5	6	3	0	1	1							
	11	9895	00		514	03	07	84	1	01	1	1	5	6	6	0	1								
	14	9908	01		512	36	03	84	2	02	1	1	5	6	3	0	1	1							
	17	9919	500		511	00	00	84	2	02	1	2	0	9	3	0		1							
	20	9923	503		512	22	04	84	2	02	1	2	0	9	3	0		1							
	23	9932	506		516	20	02	84	2	02	1	2	0	9	3	0		1		04	23	401	0000	01	507
25	02	9940	508		516	00	00	84	1	02	1	1	0	9	3	0		1							
	05	9951	509		517	00	00	84	1	02	1	1	5	6	3	0	1		1						
	08	9956	505		514	00	00	84	1	01	1	1	0	9	3	0		1							
	11	9954	501		510	26	01	84	0	01	1	0	0	9	0	0									
	14	9949	02		509	25	06	84	1	02	0	0	0	9	0	8			6						
	17	9932	01		508	23	02	84	8	03	1	0	0	9	0	9			6						
	20	9931	502		510	14	03	82	8	02	1	0	0	9	0	5			6						
	23	9897	503		513	00	00	82	8	02	2	0	0	9	0	7			6	18	08	106	0000	02	509
26	02	9879	502		514	00	00	82	8	02	2	0	0	9	0	7			6						5
	05	9864	500		512	08	09	82	7	02	2	0	0	9	0	8			7						
	08	9848	02		509	00	00	82	8	03	2	0	0	9	0	7			1						
	11	9837	07		505	04	06	74	8	01	2	0	0	9	0	7			1						
	14	9828	08		503	04	14	74	8	02	2	0	0	9	0	7			1						
	17	9823	06		504	03	08	74	8	02	2	0	0	9	0	7			1						
	20	9824	05		505	00	00	74	8	02	2	0	0	9	0	7			1						
	23	9828	06		505	00	00	74	8	02	2	0	0	9	0	7			1	04	20	092	0000	09	503
27	02	9835	04		510	16	06	74	8	03	2	4	0	9	2	8		1	1						
	05	9845	03		509	00	00	74	8	03	2	8	0	9	2			1							
	08	9853	04		508	00	00	80	8	02	2	8	0	9	1			1							
	11	9865	08		505	26	08	80	8	02	2	8	0	9	1			1							
	14	9874	09		503	20	08	80	8	02	2	8	0	9	1			1							
	17	9882	09		503	00	00	82	8	01	2	2	0	9	1	8		1	1						
	20	9890	06		508	09	09	82	8	02	2	3	0	9	1	7		1	1						
	23	9900	05		509	06	07	82	8	02	2	3	0	9	1	7		1	1	06	14	120	0000	09	04

Results of Surface Observations,
DAVIS – Sep., 1961

LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°× 10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°× 10	kt	St.miles	Points	°F	°F
28	02	9903	05		508	05	10	80	8	02	2	3	0	9	1	7		1	1						
	05	9898	03		510	05	16	80	8	02	2	3	0	9	1	7		1	1						
	08	9875	05		508	04	14	80	8	03	2	4	0	9	7	8		1	1						
	11	9860	09		507	06	17	74	8	03	2	8	0	9	2			1							
	14	9819	11		504	06	23	74	8	02	2	8	0	9	2			1							
	17	9787	15		501	07	22	74	8	03	1	8	5	5			1								
	20	9737	19		503	00	00	74	8	01	2	4	5	5	2		1	1							
	23	9687	16		12	09	49	04	8	38	3	4	5	5	2		1	1		07	71	238	0000	19	03
29	02	9679	19		11	09	38	04	8	38	3	4	5	5	2		1	1							
	05	9660	19		11	09	38	74	8	02	1	8	5	5			1								
	08	9658	22		10	10	39	74	8	02	2	6	5	5	2		1	8							
	11	9665	25		10	11	29	74	8	02	2	5	5	5	2		1	8							
	14	9665	25		09	13	19	74	8	02	2	6	5	5	2		1	8							
	17	9661	26		15	09	34	74	8	02	2	6	6	6	2		1	8							
	20	9695	26		13	10	32	66	8	02	2	5	6	6	2		1	8							
	23	9726	26		11	10	27	74	8	02	2	6	6	6	2		1	8		12	60	677	0000	26	16
30	02	9750	25		12	12	33	74	8	01	2	4	6	6	7		1	1							
	05	9792	25		11	12	24	80	8	01	2	3	5	6	7		1	1							
	08	9837	24		09	12	24	74	8	01	1	4	5	5	7	8	8	1	8						
	11	9854	26		08	12	18	74	8	02	2	6	6	5	7	8	8	1	8						
	14	9891	29		10	13	08	74	8	02	2	7	6	6	2		1	1							
	17	9922	25		09	18	07	74	8	02	2	8	6	6			1	1							
	20	9945	20		05	16	09	80	7	02	2	7	5	5			8								
	23	9952	16		01	16	07	84	4	01	1	2	5	5	2	8	8	8	8	11	48	617	0000	29	14

Results of Surface Observations,
DAVIS – Oct., 1961

LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
01	02	9963	12		502	16	09	84	2	01	1	1	5	5	2	0	8	8							
	05	9962	10		503	17	09	84	1	01	1	0	0	9	0	8			8						
	08	9959	17		00	14	04	84	0	01	1	0	0	9	0	0									
	11	9950	19		03	23	04	84	0	02	0	0	0	9	0	0									
	14	9942	20		10	24	08	84	0	02	0	0	0	9	0	0									
	17	9932	19		10	27	04	84	2	03	0	0	0	9	0	5			8						
	20	9920	16		07	00	00	84	2	02	0	0	0	9	0	5			8						
	23	9910	11		501	00	00	84	0	01	0	0	0	9	0	0				22	19	217	0000	21	10
02	02	9893	12		504	12	10	84	0	02	0	0	0	9	0	0									
	05	9880	10		505	14	06	84	2	03	0	0	0	9	0	5			2						
	08	9859	18		501	09	09	84	4	03	1	0	0	9	0	6			1						
	11	9833	20		01	04	10	84	6	03	1	0	0	9	0	6			1						
	14	9805	22		05	03	10	84	7	01	2	0	0	9	0	8			8						
	17	9773	18		05	00	00	84	7	03	1	2	5	6	2	8	8	8							
	20	9752	15		02	12	04	84	8	03	2	0	0	9	0	7			8	04	19	154	0000	23	10
	23	9754	17		00	07	08	82	8	02	2	0	0	9	0	7									
03	02	9751	16		502	05	32	80	5	01	2	0	0	9	0	8									
	05	9761	15		503	05	29	82	6	03	2	0	0	9	0	6			1						
	08	9783	17		504	06	29	84	8	03	1	0	0	9	0	6			1						
	11	9786	16		506	05	22	84	7	02	2	0	0	9	0	6			1						
	14	9787	15		502	02	05	84	7	02	2	0	0	9	0	8		8	8						
	17	9795	13		502	00	00	84	7	02	2	0	0	9	0	8		8	8						
	20	9798	09		504	04	05	84	3	01	1	0	0	9	0	0				06	48	442	0000	18	05
	23	9810	06		509	07	07	84	0	01	1	0	0	9	0	0									
04	02	9824	05		502	05	02	84	0	02	0	0	0	9	0	0									
	05	9830	01		512	05	03	84	4	03	0	0	0	9	0	6			2						
	08	9839	05		511	00	00	84	6	03	1	0	0	9	0	6			2						
	11	9840	07		508	36	09	84	6	02	2	0	0	9	0	6			2						
	14	9840	08		507	32	02	84	6	02	2	0	0	9	0	6			2						
	17	9837	09		505	23	10	84	5	01	1	0	0	9	0	6			2						
	20	9841	05		506	22	06	84	1	01	1	0	0	9	0	0				22	13	142	0000	09	01
	23	9845	02		509	04	01	84	0	01	1	0	0	9	0	0									
05	02	9857	501		511	13	05	84	0	01	1	0	0	9	0	1			8						
	05	9858	02		514	13	05	84	1	01	1	0	0	9	0	1			8						
	08	9864	01		513	12	05	84	1	01	1	0	0	9	0	1			8						
	11	9858	07		509	00	00	84	1	01	1	0	0	9	0	1									
	14	9864	09		507	23	11	84	0	02	0	0	0	9	0	0									
	17	9865	08		506	22	10	84	0	02	0	0	0	9	0	0									
	20	9869	03		510	16	07	84	0	02	0	0	0	9	0	0				21	15	147	0000	09	502
	23	9870	01		513	13	06	84	0	02	0	0	0	9	0	0									
06	02	9889	500		515	12	09	84	1	03	0	0	0	9	0	5			2						
	05	9896	00		516	12	05	84	3	03	1	0	5	9	0	5			3						
	08	9897	08		512	09	06	84	8	03	1	2	8	9	0	8		1	1						
	11	9885	08		508	01	02	84	8	03	2	2	8	9	0	2		1							
	14	9875	11		506	01	09	80	8	03	2	2	8	6	6		8								
	17	9867	10		505	00	00	80	8	03	2	2	6	6	6		8								
	20	9858	08		508	05	09	80	5	01	2	5	0	6	9	0	1			12	14	203	0000	11	501
	23	9864	04		512	14	06	80	0	01	1	0	0	9	0	0									
07	02	9882	01		517	14	06	80	0	02	0	0	0	9	0	0									
	05	9884	00		518	14	06	80	0	02	0	0	0	9	0	0									
	08	9891	06		514	14	05	84	0	02	0	0	0	9	0	0									
	11	9893	08		511	03	09	84	0	02	0	0	0	9	0	0									
	14	9890	09		508	32	03	84	0	02	0	0	0	9	0	0									
	17	9887	10		506	22	08	84	0	02	0	0	0	9	0	0									
	20	9886	05		509	00	00	84	0	02	0	0	0	9	0	0				14	15	144	0000	10	501
	23	9889	01		510	14	02	84	0	02	0	0	0	9	0	0									
08	02	9894	00		512	04	04	84	0	02	0	0	0	9	0	0									
	05	9902	502		516	05	03	84	3	03	1	0	0	9	0	1			7						
	08	9907	02		514	04	14	84	5	03	1	0	0	9	0	6			6						
	11	9911	04		512	03	15	84	6	03	1	2	0	9	0	6			7						
	14	9917	03		509	02	14	84	7	03	2	0	0	9	0	6			7						
	17	9916	01		509	04	09	84	7	02	2	0	0	9	0	6			7						
	20	9911	502		513	05	08	84	1	01	2	0	0	9	0	0				02	20	165	0000	04	502
	23	9906	504		515	07	06	82	0	01	1	0	0	9	0	0									
09	02	9903	506		517	09	04	82	0	02	0	0	0	9	0	0									
	05	9898	507		518	10	02	84	0	02	0	0	0	9	0	0									
	08	9893	502		514	23	06	84	0	02	0	0	0	9	0	0									
	11	9889	03		511	23	07	84	0	02	0	0	0	9	0	0			1						
	14	9885	05		509	22	09	84	3	03	0	1	7	9	0	3									
	17	9885	06		508	20	10	74	7	03	1	7	8	6	6			1							
	20	9886	06		505	20	10	82	7	02	2	8	5	6	6			1		19	14	201	0000	07	507
	23	9889	07		503	00	00	80	8	03	2	8	6	6	6			1							

Results of Surface Observations,
DAVIS – Oct., 1961

LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°× 10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°× 10	kt	St.miles	Points	°F	°F
10	02	9885	07		00	00	00	80	8	02	2	8	6	6			1								
	05	9885	08		02	00	00	80	8	02	2	8	6	6			1								
	08	9890	11		02	10	05	74	8	02	2	7	5	6	2		1	8							
	11	9888	11		502	04	12	74	8	02	2	7	5	6	2		1	8							
	14	9890	13		06	33	08	74	8	02	2	7	6	6	2		1	8							
	17	9888	11		06	31	10	74	8	02	7	8	5	5			1								
	20	9891	08		05	27	10	74	7	02	2	7	5	5			1								
	23	9895	05		01	27	10	74	7	02	2	7	5	5			1			28	15	153	0000	13	02
11	02	9904	501		505	27	06	74	7	70	2	7	5	5			1								
	05	9918	503		507	28	10	74	7	70	7	7	6	6			1								
	08	9925	503		507	27	09	74	7	70	7	7	6	6			1								
	11	9928	501		510	26	15	74	7	02	7	7	5	6			1								
	14	9931	500		508	25	15	74	7	02	2	7	5	6			1								
	17	9928	00		508	23	10	80	6	01	2	6	5	6			1								
	20	9922	501		508	25	09	80	4	01	1	4	5	6			1								
	23	9911	503		511	17	01	80	4	02	1	4	5	6			1			25	22	263	0000	02	503
12	02	9909	504		511	00	00	80	2	02	1	2	5	6	0	0	1								
	05	9906	506		512	19	03	80	2	01	1	2	5	6	0	0	4								
	08	9898	502		504	24	12	84	2	02	1	2	5	6	0	0	4								
	11	9895	00		504	27	06	84	4	03	1	4	5	6	0	0	5								
	14	9889	01		504	27	04	84	1	01	1	1	5	6	0	0	5								
	17	9881	02		506	29	03	84	3	02	1	1	5	6	0	8	5		8						
	20	9876	00		503	00	00	84	1	01	1	1	5	6	0	0	5								
	23	9869	501		503	00	00	84	0	01	1	0	0	9	0	0				25	17	234	0000	02	506
13	02	9866	503		505	00	00	84	0	02	1	0	0	9	0	0									
	05	9860	503		504	00	00	84	1	02	0	1	5	6	0	0	2								
	08	9860	01		504	00	00	84	7	02	0	2	0	6	0	8	4		8						
	11	9859	07		504	03	09	84	8	03	1	0	0	9	0	7			8						
	14	9858	09		506	03	12	84	8	02	2	0	0	9	0	8			8						
	17	9858	09		505	04	10	84	5	01	2	0	0	9	0	8			8						
	20	9861	07		506	07	08	84	4	02	1	0	0	9	0	9			8						
	23	9865	05		505	09	05	84	2	02	1	0	0	9	0	9			8	03	19	094	0000	09	503
14	02	9870	05		504	10	05	84	1	01	1	0	0	9	0	8			8						
	05	9872	05		503	10	04	84	2	03	1	1	0	9	1	5		2	2						
	08	9873	12		02	00	00	82	7	03	1	7	5	6			1								
	11	9873	16		05	01	02	82	7	02	2	7	5	6			1								
	14	9871	17		08	00	00	82	7	02	2	7	5	6			1								
	17	9873	12		11	25	10	82	8	03	2	8	5	6			1								
	20	9867	07		05	26	11	82	8	02	2	8	5	6			1								
	23	9859	05		05	27	09	82	7	01	2	7	5	6			1			25	16	167	0000	17	503
15	02	9857	05		05	27	09	82	7	02	2	7	5	6			7								
	05	9852	03		02	27	08	80	8	03	2	8	5	6			7								
	08	9843	01		00	28	11	80	8	02	2	8	5	6			7								
	11	9829	03		501	28	08	74	8	01	2	6	5	6	1		7	7							
	14	9823	03		501	27	07	74	7	01	2	4	7	5			7								
	17	9814	03		00	28	11	80	7	02	2	4	7	5			7								
	20	9816	502		505	27	06	80	1	01	1	1	5	6	0	0	1								
	23	9815	503		505	28	05	80	1	02	1	1	5	6	0	0	7			27	14	243	0000	04	504
16	02	9826	504		506	30	08	80	6	03	1	6	5	6			7								
	05	9836	505		508	00	00	82	1	01	1	1	5	6	0	0	1								
	08	9843	503		507	00	00	84	2	02	0	1	5	6	0	8	1								
	11	9867	501		504	27	03	84	2	02	1	1	5	6	0	2	7		8						
	14	9872	03		501	27	04	84	4	03	1	1	5	6	0	4	7		8						
	17	9879	03		00	29	05	80	8	03	1	1	5	6	0	7	1		1						
	20	9892	02		501	28	03	80	7	03	1	1	5	6	1		1	7							
	23	9892	01		501	31	03	80	4	01	1	1	5	6	0	8	1		1	30	12	197	0000	03	505
17	02	9894	00		501	00	00	80	8	03	1	8	5	6			1								
	05	9891	01		01	00	00	80	8	03	1	8	6	5			7								
	08	9879	03		01	00	00	74	8	03	2	8	0	9	2			1							
	11	9872	07		01	36	02	66	8	01	2	8	0	9	2			1							
	14	9864	09		02	36	01	80	6	01	2	6	0	9	7			1							
	17	9853	09		01	35	01	82	6	02	2	6	0	9	7	8		1							
	20	9842	09		04	00	00	82	7	03	2	7	0	9	7				1						
	23	9828	09		03	18	05	80	7	01	2	7	5	5			1			01	09	126	0000	09	00
18	02	9809	08		03	00	00	80	7	02	2	7	5	5			1								
	05	9782	11		03	00	00	80	7	02	2	7	5	5			1								
	08	9763	17		05	12	04	82	8	01	2	2	5	9	7	7		1	1						
	11	9748	20		04	16	07	80	8	02	2	2	0	9	0	7			1						
	14	9730	22		08	00	00	74	8	02	2	2	0	9	0	7			1						
	17	9720	25		08	00	00	80	8	03	2	2	1	6	5	7			1						
	20	9727	24		02	06	02	80	7	03	2	2	7	6	5		1	1							
	23	9733	22		06	00	00	80	8	03	2	8	5	6			1			09	29	110	0000	26	08

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LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°× 10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°× 10	kt	St. miles	Points	°F	°F
19	02	9742	23		05	07	07	80	8	03	2	8	5	6			1								
	05	9756	22		08	00	00	80	7	70	7	7	5	5	2		8								
	08	9762	22		03	07	20	80	8	70	7	5	5	5			2	1							
	11	9769	24		08	07	15	80	7	02	7	7	5	5	2		2								
	14	9769	25		08	06	22	80	8	15	2	7	5	5			2	1							
	17	9778	23		12	05	17	80	8	02	2	7	5	5	2		2	1							
	20	9778	21		13	05	25	80	8	02	2	4	7	5			2								
	23	9783	20		15	04	39	80	8	02	2	4	7	5			2			04	57	182	0000	25	20
20	02	9801	20		13	04	39	80	5	01	1	5	5	6			2								
	05	9837	21		08	05	26	80	7	01	2	4	5	6	7	9	1	1	1						
	08	9836	21		02	05	29	80	8	02	2	6	6	6	7		1	1							
	11	9836	22		04	04	29	80	8	02	2	6	6	6	7		1	1							
	14	9837	21		07	03	16	10	8	02	2	4	5	6	7		1	1							
	17	9834	23		07	04	17	80	7	01	2	1	5	6	4	8	1	1	1						
	20	9837	20		03	04	24	82	6	01	1	1	5	6	4	8	1	1	1						
	23	9834	19		503	06	27	82	7	02	1	0	0	9	0	8			1	04	52	580	0000	22	18
21	02	9832	16		505	06	29	82	1	01	1	0	0	9	0	8			1						
	05	9823	15		505	06	30	84	2	02	1	1	5	6	0	8	1		1						
	08	9812	18		502	06	30	84	2	03	1	1	5	6	0	8	1		1						
	11	9799	21		02	05	32	82	7	03	1	6	7	6			1								
	14	9781	23		03	05	30	80	7	03	2	2	5	6	3		1	1							
	17	9778	22		04	06	14	80	7	01	2	6	5	6	3	9	1	1	1						
	20	9775	20		01	06	24	80	7	01	2	4	5	6			1			06	51	561	0000	23	14
	23	9781	20		02	06	24	80	7	03	2	7	5	6			1								
22	02	9787	19		03	06	20	80	7	03	2	7	5	6			1	1							
	05	9793	18		01	06	17	80	7	03	2	7	5	6			1								
	08	9798	19		02	06	23	80	7	02	2	7	6	6			1								
	11	9803	22		03	04	20	80	7	01	1	2	6	6	2	8	1	8	8						
	14	9799	22		04	03	18	80	5	01	1	3	5	6	2	8	1	8	8						
	17	9796	22		04	05	08	80	8	03	1	4	5	6	7	8	1	1	8						
	20	9788	19		01	04	04	80	6	01	1	4	5	6	0	8	1		8						
	23	9786	15		504	08	03	80	5	01	1	0	0	9	0	9			8	06	41	510	0000	23	15
23	02	9774	12		508	05	06	80	2	01	1	1	5	6	0	8	1		8						
	05	9772	11		507	11	04	82	8	03	1	1	5	6	3	7	1	1	1						
	08	9767	16		503	02	04	84	6	01	2	3	5	6	3	8		1	1						
	11	9759	18		505	01	18	84	2	01	1	2	5	6	0	8			1						
	14	9756	19		02	01	16	84	2	02	1	2	5	6	3	8			1						
	17	9753	19		03	13	06	84	2	02	1	1	5	6	0	8	1	1							
	20	9758	15		501	06	04	84	2	01	1	0	5	6	0	8			8						
	23	9763	13		501	07	03	82	7	03	1	7	5	6			1			02	27	241	0000	19	10
24	02	9757	15		04	04	13	82	7	02	2	7	5	6			1								
	05	9752	13		13	03	17	84	8	03	1	8	6	5			1								
	08	9744	14		14	03	18	02	8	73	7	8	7	5			1								
	11	9738	15		15	03	25	01	8	73	7	8	7	5			1								
	14	9740	16		16	03	18	04	8	38	7	8	7	5			1								
	17	9738	15		15	03	28	04	8	38	3	8	7	5			1								
	20	9753	03		01	30	07	32	7	71	3	7	7	5			1								
	23	9757	03		00	31	01	58	7	71	7	7	7	5			1			02	36	325	0002	15	03
25	02	9755	03		01	31	03	63	8	70	7	8	6	5			1								
	05	9754	04		02	00	00	74	7	70	7	7	6	5			1								
	08	9756	06		03	00	00	74	8	02	7	7	6	5			1								
	11	9746	10		07	18	05	74	8	70	7	7	6	5			1								
	14	9745	13		08	06	07	74	7	01	7	7	6	5	2		1	8							
	17	9751	14		07	16	05	80	1	01	1	1	5	6	0	0	1								
	20	9770	08		03	00	00	84	0	01	0	0	0	9	0	0									
	23	9778	04		503	00	00	84	0	02	0	0	0	9	0	0				07	12	324	0003	14	02
26	02	9801	01		505	04	10	84	0	02	0	0	0	9	0	0									
	05	9815	00		506	08	07	84	3	03	1	0	0	9	0	8			8						
	08	9833	05		505	05	09	84	1	01	1	0	0	9	0	8			8						
	11	9845	07		00	04	13	84	4	01	2	1	0	5	0	7		1	2						
	14	9854	09		00	03	11	84	8	03	1	2	6	5	0	1	6								
	17	9862	09		03	02	08	80	1	03	2	2	7	5	1		6	1							
	20	9870	09		501	04	06	80	8	01	2	2	2	6	1		1								
	23	9878	08		502	04	06	80	8	03	2	8	6	6			1			05	19	153	0000	10	500
27	02	9885	07		503	05	05	74	8	03	2	8	6	6			1	1							
	05	9889	09		01	04	06	32	8	71	7	8	0	9	2		1	1							
	08	9887	10		05	04	10	58	7	71	7	4	6	5	3	9	1	1	1						
	11	9890	12		06	00	00	66	8	03	7	4	6	5			1	1							
	14	9896	12		09	31	03	58	8	71	7	4	7	5			1	1							
	17	9897	13		07	25	08	66	8	01	7	1	6	5			1	1							
	20	9897	12		06	24	07	66	8	70	7	2	7	5			1	1							
	23	9903	09		04	30	11	58	8	70	7	8	6	5			1			03	22	239	0000	13	06

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LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		inHg × 10⁻¹	°F	°F	°F	°× 10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°× 10	kt	St.miles	Points	°F	°F
28	02	9907	02		504	31	12	74	8	01	7	8	5	5			1								
	05	9911	500		505	31	08	82	7	01	2	7	5	6			1								
	08	9924	503		507	29	05	82	3	01	2	3	5	6	0	0	1								
	11	9931	02		505	29	01	84	2	01	1	2	5	6	0	0	2								
	14	9931	05		505	00	00	84	1	01	1	1	5	6	0	0	2								
	17	9930	06		506	00	00	84	1	02	1	1	5	6	0	0	2								
	20	9915	04		508	00	00	84	1	02	1	1	5	6	0	0	8								
	23	9914	501		508	07	03	84	1	02	0	1	5	6	0	0	8			30	17	246	0001	06	503
29	02	9903	501		510	09	05	84	1	02	0	1	5	6	0	0	8								
	05	9892	03		507	00	00	82	7	03	1	7	5	6			2								
	08	9878	09		501	05	05	82	3	01	2	3	5	6	0	0	1								
	11	9874	10		01	04	14	82	7	03	1	7	5	6			1								
	14	9859	10		00	00	00	66	8	70	2	8	7	5			1								
	17	9843	10		04	15	02	48	8	71	7	8	7	5			1								
	20	9825	10		07	14	03	66	8	71	7	8	7	5			1								
	23	9813	11		07	15	03	66	8	71	7	8	7	5			1			04	19	091	0000	12	502
30	02	9802	14		05	05	10	66	8	71	7	8	7	5			1								
	05	9767	16		09	05	03	56	8	71	7	2	7	4			1								
	08	9766	13		11	00	00	16	8	71	7	8	7	4			1								
	11	9743	23		21	20	03	16	8	71	7	8	7	4			1								
	14	9731	27		17	05	13	56	8	70	7	8	7	4			1								
	17	9721	25		18	03	08	63	8	70	7	8	7	5			1								
	20	9714	24		21	03	09	56	8	71	7	8	7	5			1								
	23	9725	25		23	05	21	58	8	36	7	8	7	5			1			06	41	148	0001	27	12
31	02	9739	25		22	05	27	16	8	38	3	8	7	5			1								
	05	9758	27		18	06	25	74	8	36	3	7	5	6	7		1	1							
	08	9768	30		29	06	24	74	4	36	3	4	0	9	7	9	1	1	1						
	11	9775	32		17	06	22	74	7	01	3	2	5	6	7	9	1	1	1						
	14	9784	31		19	05	18	74	7	14	2	4	5	6	2		1	1							
	17	9793	31		06	05	22	74	7	14	2	6	5	6	2		1	1							
	20	9807	29		10	06	19	74	7	14	2	6	5	6	7		1	1							
	23	9825	25		05	07	16	80	5	01	1	3	5	6	3		1	1		06	46	387	0000	32	25

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LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
01	02	9837	23		01	07	13	80	3	02	1	2	5	6	3		1	1							
	05	9845	20		01	09	04	82	2	01	1	1	0	9	3	0	1	1	1						
	08	9847	24		02	04	13	84	1	02	1	0	0	9	0	8			1						
	11	9843	24		07	01	05	84	1	02	0	0	0	9	0	8			8						
	14	9828	24		11	27	09	84	0	02	0	0	0	9	0	0									
	17	9816	26		15	00	00	84	0	02	0	0	0	9	0	0									
	20	9817	22		02	11	11	84	3	03	1	0	0	9	0	6			3						
	23	9816	15		502	12	13	84	1	01	1	0	0	9	0	8			6	06	31	409	0000	28	14
02	02	9813	12		505	12	10	84	0	01	0	0	0	9	0	0									
	05	9805	12		506	12	11	84	0	02	0	0	0	9	0	0									
	08	9794	18		504	03	08	84	0	02	0	0	0	9	0	0									
	11	9780	20		501	02	02	84	0	02	0	0	0	9	0	0									
	14	9771	23		01	04	07	84	0	02	0	0	0	9	0	0									
	17	9774	21		01	08	13	84	0	02	0	0	0	9	0	0									
	20	9773	15		00	04	09	84	0	02	0	0	0	9	0	0									
	23	9786	14		00	05	08	84	0	02	0	0	0	9	0	0				04	25	236	0000	23	12
03	02	9809	13		00	05	12	84	0	02	0	0	0	9	0	0									
	05	9829	14		01	05	13	82	3	03	0	0	0	9	0	9									
	08	9847	18		02	04	27	82	5	03	1	1	5	6	2	0	8	1	1						
	11	9856	20		05	03	17	82	6	03	1	0	0	9	0	9			1						
	14	9861	19		07	03	17	82	7	03	1	0	0	9	0	9			1						
	17	9872	18		06	04	19	82	7	03	2	1	6	5	7		1	1							
	20	9873	17		03	04	13	82	8	03	1	2	5	5	7	9	1	1	1						
	23	9875	17		04	04	14	82	8	03	1	5	5	5	7	9	1	1	1	04	35	322	0000	20	13
04	02	9875	17		08	04	14	82	8	03	1	6	5	5	7		1	1							
	05	9874	18		08	03	11	82	7	02	2	7	5	5			1								
	08	9867	21		09	13	10	82	7	02	2	7	5	5			1								
	11	9863	23		15	05	15	80	8	03	2	2	5	5			1								
	14	9856	23		12	04	29	80	7	01	2	7	5	5			1								
	17	9863	22		16	04	25	80	7	02	2	2	5	5			1								
	20	9869	22		18	04	17	80	8	01	2	2	5	5	2		1	1							
	23	9881	20		17	07	09	80	5	01	2	2	3	5	5	2	1	1		04	41	471	0000	24	17
05	02	9887	17		11	05	06	82	3	01	1	2	5	5	1		1	1							
	05	9890	18		09	08	06	84	3	02	1	3	0	9	7	0		1							
	08	9887	22		09	04	11	84	3	02	1	3	0	9	7	0		1							
	11	9889	23		11	03	17	84	1	01	1	1	5	6	0	0	1								
	14	9888	25		12	03	14	84	4	03	1	0	0	5	0	6			7						
	17	9883	23		15	03	17	84	8	03	1	1	5	6	0	7	1		8						
	20	9890	22		14	05	08	84	8	03	2	2	5	6	0	7	1		8						
	23	9901	19		07	08	03	84	8	03	2	2	4	5	6	0	1		1	04	29	255	0000	25	17
06	02	9905	19		10	00	00	84	8	03	2	6	5	6	0	8	1		1						
	05	9900	19		13	00	00	82	8	03	2	2	7	5	6	0	1		1						
	08	9900	19		08	04	18	82	7	01	2	2	3	5	6	1	8	1	1						
	11	9898	20		07	03	17	82	7	02	2	2	3	6	6	7		1	1						
	14	9893	20		10	04	15	74	8	03	2	2	8	5	6			1							
	17	9876	21		12	04	10	74	8	02	2	2	8	5	6			1							
	20	9841	21		12	04	04	74	8	02	2	2	8	5	6			1							
	23	9805	20		14	00	00	74	8	02	2	2	8	5	6			1		04	32	273	0000	21	18
07	02	9769	20		06	00	00	80	8	02	2	3	5	6	1		1	1							
	05	9754	18		14	00	00	32	8	73	7	8	0	9	2		1								
	08	9744	20		17	00	00	63	8	71	7	4	6	6	5		1								
	11	9757	23		20	27	04	63	8	70	7	8	6	5	5		1								
	14	9783	21		16	28	05	74	3	01	1	1	5	5	5	3	5	1	1						
	17	9817	21		18	32	05	82	6	03	1	3	5	5	5	7	9	1	1						
	20	9853	14		11	28	10	82	5	02	1	5	5	5	6	0	0	1							
	23	9884	10		07	00	00	82	1	01	1	1	5	6	6	0	0	1		30	17	189	0005	23	10
08	02	9907	10		07	00	00	82	1	02	1	1	5	6	6	0	0	1							
	05	9909	13		08	12	01	82	2	03	1	1	5	0	6	9	0	8	6						
	08	9913	15		10	01	03	84	5	03	1	1	0	0	9	0	1	1							
	11	9906	21		05	02	09	84	8	03	1	1	0	0	9	9	1	1	1						
	14	9874	21		06	01	05	84	8	03	2	2	8	0	9	9	1	1	1						
	17	9844	21		09	27	04	82	8	02	2	2	6	0	9	9	8	1	1						
	20	9809	25		08	04	17	82	8	03	2	2	7	0	9	5	8	1	1						
	23	9778	23		08	05	21	66	8	36	2	5	6	5	2	2		1	1	05	35	189	0000	25	09
09	02	9749	22		10	05	19	66	8	36	3	6	6	5	5			1							
	05	9695	25		11	07	37	74	8	02	2	8	5	6	5			1							
	08	9666	26		14	07	39	74	8	02	2	8	6	5	4			1							
	11	9647	25		14	07	37	74	8	02	2	4	7	4	4	2		1	1						
	14	9635	25		14	05	39	74	8	02	2	3	7	4	4	2		1	1						
	17	9630	24		14	05	39	74	8	02	2	3	7	4	4	2		1	1						
	20	9647	22		12	05	32	74	8	02	2	5	7	5	6	2	8	1	1	1					
	23	9661	24		10	05	20	74	8	02	2	7	5					1	1	05	65	397	0000	26	21

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LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		lnb × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
10	02	9656	24		11	06	22	74	8	02	2	4	5	6	2		1	1							
	05	9654	23		19	05	37	58	8	15	2	8	6	5			1								
	08	9682	27		17	05	36	66	8	01	2	2	7	5	1		1	1							
	11	9712	29		18	04	37	66	8	02	2	2	7	5	0	7	1		1						
	14	9745	29		17	04	36	74	7	01	2	1	7	5	0	8	1		1						
	17	9776	29		18	04	20	74	8	02	2	6	5	4	7	9	1	1	1						
	20	9804	26		14	04	10	82	6	01	1	2	7	4	0	5	1		1						
	23	9834	22		09	05	09	82	6	01	2	1	7	4	0	9	1		1	05	64	751	0000	30	22
11	02	9876	20		07	07	06	82	3	01	2	1	5	5	0	8	1		1						
	05	9879	21		05	08	09	82	2	01	1	1	5	6	0	8	1		1						
	08	9894	25		05	04	15	82	6	03	1	1	5	6	0	8	1		1						
	11	9909	25		08	03	18	80	7	03	1	0	0	9	0	8			1						
	14	9924	27		11	02	14	82	6	01	1	0	0	9	0	8			1						
	17	9930	26		11	01	06	82	4	01	1	1	5	6	0	8	1		1						
	20	9937	25		10	00	00	82	4	03	1	2	5	6	0	8	1		1						
	23	9951	22		07	00	00	82	3	03	1	3	5	6	0	0	1			03	24	439	0000	27	19
12	02	9956	19		04	09	01	82	8	01	1	0	0	9	0	7			1						
	05	9951	20		05	00	00	82	8	03	1	3	5	6	3	8	1	1	1						
	08	9958	23		04	02	04	82	7	03	1	2	5	6	3	8	1	1	1						
	11	9965	23		07	01	05	82	5	01	1	1	5	6	3	8	1	1	1						
	14	9970	24		11	31	04	80	8	03	1	1	5	6	3	8	1	1	1						
	17	9972	25		11	27	03	82	8	03	1	1	0	9	3	7		1	1						
	20	9971	25		14	27	04	84	8	03	1	3	0	9	3	8		1	1						
	23	9968	22		13	00	00	84	8	03	1	3	0	9	3	8		1	1	01	10	198	0000	24	07
13	02	9964	19		07	07	02	84	8	03	1	1	5	6	3	8	1	1	1						
	05	9943	20		06	07	05	84	7	03	1	1	5	5	2	8	1	8	1						
	08	9919	22		09	03	14	74	8	03	1	4	6	5	2		1	8							
	11	9891	27		11	03	13	74	8	03	2	8	5	6			1								
	14	9857	25		11	04	24	74	8	03	2	8	7	5			1								
	17	9842	24		16	04	24	74	8	02	2	8	6	5			1								
	20	9826	24		16	05	24	74	8	02	2	3	7	5			1								
	23	9788	25		14	05	38	74	8	01	2	4	5	6	1		1	1		05	57	177	0000	26	20
14	02	9773	25		17	06	36	74	8	01	2	2	5	6	1		1	1							
	05	9800	27		18	06	34	74	8	01	2	1	5	6	1	9	1	1	1						
	08	9816	28		18	06	31	74	8	03	1	8	7	5			1								
	11	9811	30		17	06	23	74	8	02	2	2	7	5	1		1	1							
	14	9812	30		19	04	13	74	8	01	2	1	7	5			1								
	17	9818	30		20	04	11	74	8	03	1	8	7	5			1								
	20	9827	29		17	06	12	74	8	03	2	8	6	5			1								
	23	9831	27		13	06	14	74	8	02	2	8	5	5			1			06	57	569	0000	31	25
15	02	9842	25		08	07	20	74	8	03	1	8	7	5			1								
	05	9855	24		08	07	14	74	8	03	1	8	6	5			1								
	08	9856	25		08	07	17	74	8	01	2	5	6	5			1								
	11	9862	25		10	04	28	74	8	01	2	1	7	5			1								
	14	9870	26		14	03	19	74	8	02	2	8	6	5			1								
	17	9885	26		13	04	17	74	8	70	7	8	6	5			1								
	20	9890	23		15	03	09	74	8	70	7	6	6	5			1								
	23	9907	23		12	00	00	74	8	70	7	6	6	5			1			03	42	378	0000	26	23
16	02	9931	22		08	09	06	74	6	01	7	6	6	5			1								
	05	9930	22		05	07	11	80	5	01	1	2	6	6	0	8	1		1						
	08	9941	24		05	05	14	84	7	02	1	2	0	9	2	8		1	1						
	11	9951	24		09	36	10	84	6	02	1	1	5	6	2	8	1	1	1						
	14	9953	23		09	28	04	84	6	01	1	3	7	6	0	8	1		1						
	17	9955	24		13	27	09	84	2	01	1	1	1	6	0	0	1		1						
	20	9955	23		12	26	04	84	6	03	1	2	7	5	0	0	1		1						
	23	9946	21		17	27	08	84	6	02	2	6	5	5			1			05	22	311	0000	24	21
17	02	9938	20		08	18	09	84	7	03	1	7	5	5			1								
	05	9932	19		07	00	00	84	4	01	1	2	5	6	1	8	1	8	1						
	08	9920	19		08	35	10	84	3	02	1	1	5	6	0	8	1		1						
	11	9905	22		15	36	07	84	8	03	1	1	1	6	0	2	1		1						
	14	9891	19		18	29	07	84	8	03	2	1	1	5	0	0	1								
	17	9880	19		16	26	07	84	6	01	1	1	5	5	0	0	1								
	20	9875	18		17	26	12	84	0	01	1	0	0	9	0	0	1	1							
	23	9870	17		10	32	08	84	0	02	0	0	0	9	0	0				27	13	192	0000	21	17
18	02	9877	14		13	14	07	84	2	02	0	0	0	9	0	8			8						
	05	9881	17		501	04	12	84	4	01	0	0	0	9	0	8			8						
	08	9876	19		501	03	09	84	8	03	1	0	0	9	0	7			8						
	11	9866	22		04	03	16	80	8	03	2	0	0	9	0	7			8						
	14	9847	22		05	03	14	80	8	03	2	2	0	6	0		1								
	17	9829	20		06	03	13	80	8	03	2	2	0	9	1			1							
	20	9809	19		08	04	12	58	8	70	7	8	0	6			1								
	23	9790	17		16	07	03	32	8	70	7	8	6	6			1			03	22	237	0000	22	14

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LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
19	02	9779	17		15	00	00	32	8	70	7	8	6	6			1								
	05	9764	18		15	07	03	32	8	70	7	8	6	6			1								
	08	9767	20		14	07	05	58	8	70	7	7	6	6			1								
	11	9771	21		13	00	00	58	7	01	1	7	5	5	1		1	8							
	14	9784	23		16	26	09	84	4	01	1	4	7	5			1	1							
	17	9798	23		15	26	09	84	0	01	1	0	0	9	0	0									
	20	9815	19		16	26	10	84	0	02	0	0	0	9	0	0									
	23	9829	13		06	26	07	84	0	02	0	0	0	9	0	0				25	14	225	0003	24	12
20	02	9860	14		11	27	06	84	0	02	0	0	0	9	0	0									
	05	9876	14		10	00	00	84	0	02	0	0	0	9	0	0									
	08	9892	15		14	35	03	84	1	02	0	0	0	9	0	8			8						
	11	9907	19		15	00	00	84	8	03	1	0	0	9	0	7			5						
	14	9921	19		17	27	08	84	8	02	1	0	0	9	0	7			5						
	17	9925	19		18	27	08	84	8	03	1	0	0	9	0	7			5						
	20	9933	17		16	27	03	84	8	03	1	0	0	9	0	7			5						
	23	9938	14		13	27	03	84	8	03	1	7	0	9	2			5		31	09	188	0000	20	12
21	02	9948	17		16	27	04	84	8	03	1	7	0	9	2			5							
	05	9951	17		17	00	00	74	7	03	1	1	0	9	2			6							
	08	9958	20		17	00	00	74	8	01	2	7	0	9	2				1						
	11	9962	23		18	34	06	80	8	01	1	0	0	9	0	7			1						
	14	9964	22		17	23	07	84	0	01	1	0	0	9	0	0									
	17	9959	21		15	24	08	84	0	02	0	0	0	9	0	0									
	20	9954	20		17	22	05	84	0	02	0	0	0	9	0	0									
	23	9952	15		14	22	04	84	0	02	0	0	0	9	0	0				23	10	132	0000	23	15
22	02	9945	17		13	00	00	84	0	02	0	0	0	9	0	0									
	05	9941	20		06	07	13	84	1	02	0	0	0	9	0	8			8						
	08	9928	22		04	02	10	84	6	03	1	0	0	9	0	8			8						
	11	9919	25		05	01	06	84	8	07	1	0	0	9	0	8			8						
	14	9902	26		09	36	09	84	6	03	1	0	0	9	0	8			8						
	17	9886	25		15	35	08	84	6	03	1	0	0	9	0	8			1						
	20	9873	25		15	36	01	84	7	03	1	0	0	9	0	8			1						
	23	9863	23		11	05	07	84	7	03	1	0	0	9	0	6			1	04	16	174	0000	26	14
23	02	9851	23		19	04	03	80	7	03	1	1	5	6	2		8	1							
	05	9844	25		07	04	23	74	8	03	1	7	7	5	2		1	1							
	08	9840	28		06	06	24	74	8	01	1	6	5	6	5		1	1							
	11	9834	31		08	05	26	74	8	03	1	8	5	6			1								
	14	9831	29		10	03	24	74	8	02	2	8	5	6			1								
	17	9826	28		17	06	08	74	7	01	2	7	5	5			1								
	20	9806	28		22	04	26	74	8	03	2	8	5	5			1								
	23	9793	29		19	05	42	74	8	03	2	8	5	5			1			04	63	276	0000	31	21
24	02	9810	28		18	05	45	74	7	01	2	7	5	5	5		1	8							
	05	9815	29		18	05	42	74	7	02	2	7	5	5	5		1	8							
	08	9842	29		19	04	27	74	8	02	2	3	6	5	1		1	8							
	11	9846	31		16	04	22	74	7	02	2	2	6	6	1		1	8							
	14	9854	33		18	05	18	74	7	02	2	4	6	5	1		1	8							
	17	9861	34		17	15	20	74	7	02	2	6	6	5	1		1	8							
	20	9873	32		15	08	12	74	7	02	2	6	6	5			1								
	23	9886	30		13	06	05	74	7	02	2	6	5	5	2		1	8		05	67	650	0000	34	28
25	02	9891	29		12	07	08	74	7	02	2	7	5	5			1								
	05	9896	28		11	07	15	74	7	02	2	7	6	5			1								
	08	9900	30		11	08	14	74	7	02	2	7	6	5			1								
	11	9888	35		14	06	17	80	6	02	1	6	5	6			1								
	14	9883	30		19	22	10	80	6	02	2	6	5	6			1								
	17	9868	30		23	22	14	82	4	01	2	4	5	6	0	0	1								
	20	9851	32		15	08	12	84	3	01	1	2	5	6	0	1	1		1						
	23	9840	28		14	06	10	84	3	01	1	1	5	6	0	5	1		1	05	30	366	0000	35	18
26	02	9835	25		18	03	04	84	8	03	1	1	5	6	0	5	1		1						
	05	9829	30		16	06	16	82	8	03	1	6	5	6	0	8	1		1						
	08	9824	32		14	04	21	82	7	01	1	6	5	6	0	8	1		1						
	11	9817	34		17	04	18	82	5	01	1	1	6	6	0	8	1		1						
	14	9816	33		18	01	15	82	8	03	1	2	6	6	0	8	1		1						
	17	9819	34		20	36	07	82	7	03	1	1	5	6	0	8	1		1						
	20	9828	31		24	04	12	63	7	70	1	5	7	5	0	8	1		1						
	23	9844	30		30	04	10	08	8	70	7	8	7	5			1			03	32	339	0000	35	25
27	02	9862	32		22	05	19	74	8	01	7	4	6	5	7		1	1							
	05	9876	33		17	06	22	80	8	01	2	4	5	6	7		1	1							
	08	9905	35		17	05	21	80	7	01	2	7	5	6			1								
	11	9895	36		17	04	26	80	7	01	1	1	5	6	3	4	1	1	1						
	14	9905	36		21	02	13	82	6	01	1	0	0	9	0	2			1						
	17	9910	34		19	00	00	84	5	03	1	0	0	9	0	8			8						
	20	9913	34		24	21	06	84	4	01	1	0	0	9	0	1			8						
	23	9915	32		18	00	00	84	0	01	1	0	0	9	0	0				05	42	403	0000	38	30

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LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°× 10	kt	VV	Oktas	ww	W	Oktas.	C_L	h	C_M	C_H	D_L	D_M	D_H	°× 10	kt	St. miles	Points	°F	°F
28	02	9934	27		13	09	02	84	0	01	0	0	0	9	0	0									
	05	9914	29		13	00	00	84	0	02	0	0	0	9	0	0									
	08	9910	29		19	00	00	84	1	03	0	1	5	6	0	0	1								
	11	9896	32		16	36	10	84	2	03	1	1	5	6	0	8	1		1						
	14	9887	33		21	36	07	84	2	02	1	1	5	6	0	2	1		1						
	17	9878	31		25	34	06	84	6	03	1	0	0	9	0	8			1						
	20	9862	28		26	00	00	84	2	01	1	1	5	6	0	5	1		1						
	23	9853	25		25	25	02	04	8	47	4	8	6	0			6			02	11	218	0000	33	25
29	02	9845	25		24	00	00	01	9	43	4	9		0											
	05	9841	26		08	04	09	84	0	01	4	0	0	9	0	0									
	08	9840	27		06	02	13	84	0	02	0	0	0	9	0	0									
	11	9836	28		10	01	14	84	1	03	1	0	0	9	0	2			7						
	14	9835	29		14	36	11	84	1	03	1	0	0	9	0	2			7						
	17	9833	29		16	36	08	84	1	02	1	1	5	6	0	0	1								
	20	9830	27		15	00	00	84	1	02	0	1	5	6	0	0	1								
	23	9827	27		13	05	06	84	1	02	0	1	5	6	0	0	1			03	24	192	0000	30	23
30	02	9826	24		10	07	04	84	1	02	1	1	5	6	0	0	1								
	05	9824	25		11	03	06	84	1	02	1	1	5	6	0	0	1								
	08	9812	28		09	04	20	84	1	02	1	1	5	6	0	0	1								
	11	9806	29		10	01	28	84	3	03	1	2	5	6	0	2	5		7						
	14	9807	30		13	02	16	84	2	02	1	2	5	6	0	0	2								
	17	9808	29		16	01	12	84	2	02	1	2	5	5	6	0	1								
	20	9811	27		16	03	09	82	7	03	1	7	5	6			1								
	23	9822	26		16	04	11	82	7	02	2	5	5	6	7		1	1		02	39	279	0000	30	23

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LOCAL STANDARD TIME			TEMPERATURES			SURFACE WIND											DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST				EXTREME TEMPERATURES	
DAY	HOUR	STATION LEVEL PRESSURE	DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED	VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD AMOUNT	LOW CLOUD TYPE	LOW CLOUD BASE	MIDDLE CLOUD	HIGH CLOUD	LOW	MIDDLE	HIGH	DIRECTION	SPEED	ANEMOMETER WIND RUN	PRECIPITATION	MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	w	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
01	02	9830	25		15	04	10	82	7	02	2	7	5	6			1								
	05	9839	26		17	02	07	80	7	02	2	7	5	6			1								
	08	9846	28		17	02	10	80	7	02	2	7	5	6			1								
	11	9857	28		19	02	14	80	8	02	2	8	5	6			1								
	14	9870	29		21	36	10	80	8	02	2	8	5	6			1								
	17	9878	28		22	36	08	80	8	02	2	8	5	6			1								
	20	9888	27		23	36	04	80	8	02	2	8	5	6	7		1								
	23	9898	27		24	02	03	80	8	02	2	8	5	5			1			02	18	279	0000	29	25
02	02	9905	27		24	02	06	74	8	70	7	8	6	5			1								
	05	9908	25		25	04	06	74	7	70	7	7	5	5			1								
	08	9909	27		23	36	06	80	6	01	7	7	5	5	8		1	1							
	11	9907	30		20	36	07	80	6	01	2	2	5	5			8	8							
	14	9903	30		20	36	02	80	7	03	2	2	5	5	8	1	8	8	8						
	17	9898	28		22	00	00	74	7	02	2	2	5	5	8		8	8							
	20	9895	29		21	21	04	74	7	03	2	2	5	5			8			04	10	150	0000	31	25
	23	9892	28		21	19	08	80	8	03	2	8	5	6			8								
03	02	9895	25		15	15	05	80	8	02	2	8	5	6			8								
	05	9897	26		19	22	01	80	7	02	2	7	5	6			8								
	08	9906	27		17	01	10	82	6	01	2	6	5	6			1								
	11	9913	29		15	01	09	84	1	01	1	1	5	5			1								
	14	9923	29		17	36	05	84	1	02	1	1	5	6			1								
	17	9925	30		21	36	04	84	3	03	1	1	5	6			1		1						
	20	9924	27		20	36	02	84	3	03	1	2	5	6		8	1		1						
	23	9923	27		19	03	01	82	5	03	1	1	5	6		6	1	8	8	36	15	254	0000	30	25
04	02	9911	25		21	22	01	80	6	03	2	0			7			8	8						
	05	9903	27		22	09	04	12	84	5	03	2	2	0	1	6	6	7	7						
	08	9896	29		13	01	07	80	7	03	2	2	0		5			7	1						
	11	9880	32		11	02	14	80	7	01	2	2	0		7			1	1						
	14	9869	30		16	36	12	80	7	02	2	2	0		1			7	7						
	17	9868	30		19	22	04	80	7	02	2	2	6	5	5			7		02	25	192	0000	34	25
	20	9870	29		17	18	07	80	7	02	2	2	6	5	5										
	23	9877	27		12	07	13	82	6	01	2	1	5	5	5										
05	02	9890	25		08	04	12	82	5	01	2	0			3		6		1	8					
	05	9898	25		06	04	17	82	6	02	2	0			9		6		1	8					
	08	9900	28		06	03	21	82	8	02	2	0			1		7		1	8					
	11	9901	30		08	02	24	82	8	02	2	0					9			8					
	14	9901	30		13	02	25	82	8	02	2	1	7	5	1		5	1	1	8					
	17	9906	30		11	04	22	82	2	01	2	0			7		2		1	1					
	20	9905	27		11	03	18	82	7	03	1	7	5	5			5								
	23	9897	26		11	04	30	82	7	02	2	7	5	5			5			04	39	347	0000	32	26
06	02	9888	27		09	05	21	74	7	02	2	7	5	5			5								
	05	9875	27		11	06	17	66	8	03	2	8	6	5			1								
	08	9865	27		15	04	17	74	8	03	2	8	6	5			1								
	11	9852	30		15	05	30	74	8	02	2	8	6	5			1								
	14	9845	30		16	04	33	74	7	02	2	7	6	5			1								
	17	9852	31		19	04	26	66	7	02	2	7	6	4	7		1	1							
	20	9854	30		18	04	24	66	7	02	2	7	6	4	7		1	1							
	23	9858	29		24	03	16	48	8	71	7	8	6	4						05	50	531	0000	35	26
07	02	9860	29		25	04	22	32	8	70	7	8	6	4			1								
	05	9865	28		23	04	19	74	8	71	7	8	6	5			1								
	08	9861	30		22	03	17	74	8	02	7	8	6	5			1								
	11	9842	32		20	02	12	66	7	01	2	8	5	6			1								
	14	9807	33		17	36	09	82	5	01	2	2	7	6	7	8	1	1	1						
	17	9775	31		16	28	05	84	8	03	2	2	0			6			1						
	20	9733	32		12	07	05	84	7	03	2	2	0			8			1						
	23	9700	30		10	05	10	82	7	03	2	2	0	5	6	8				03	34	576	0000	35	27
08	02	9666	24		24	25	12	08	9	73	7	9													
	05	9644	25		24	00	00	63	7	22	7	7	7	4			1								
	08	9630	29		14	08	06	58	7	16	7	7	7	4			1								
	11	9627	29		19	36	19	58	7	16	7	7	7	4			1								
	14	9646	29		24	01	16	58	8	71	7	7	8	4			1								
	17	9658	29		26	36	02	58	7	16	7	7	6	4			1	1							
	20	9680	28		25	00	00	66	8	70	7	7	7	4			1	1							
	23	9686	27		26	01	05	58	7	71	7	7	7	4			1			02	36	460	0007	31	24
09	02	9752	25		20	35	09	80	6	01	7	4	1	5	7	2	1	1	1						
	05	9802	26		19	02	09	80	6	03	2	6	5	5			5								
	08	9842	29		22	04	23	74	7	03	2	7	6	4			1								
	11	9866	32		23	03	22	74	7	02	2	7	6	4			1								
	14	9877	32		17	04	16	80	6	01	2	6	8	4			1								
	17	9872	33		19	05	08	80	6	01	2	6	8	4		5	1		1						
	20	9863	31		20	00	00	74	8	70	2	2			2										
	23	9834	32		15	07	17	80	7	02	2	1	5	5	2		1	1		02	37	116	0000	34	24

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LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
10	02	9834	32		15	07	17	80	6	03	2	6	5	5			5								
	05	9825	31		14	07	17	80	7	02	2	4	5	6	7		1	1							
	08	9783	37		19	07	22	80	7	03	2	7	5	5			1								
	11	9754	36		22	04	18	74	7	02	2	1	5	5	7	2	1	1	1						
	14	9741	34		22	04	24	74	7	02	2	1	5	5	7		1	1							
	17	9742	34		22	04	25	74	7	02	2	2	5	5	7		1	1							
	20	9749	31		25	04	24	74	7	02	2	6	5	5	7		1	1							
	23	9802	34		17	07	17	80	7	02	2	4	5	6	7		1	1		04	49	366	0000	37	30
11	02	9748	30		28	04	24	74	7	02	2	7	6	5			1								
	05	9817	29		27	04	17	65	8	15	7	8	6	5			1								
	08	9807	31		22	03	14	80	8	16	7	8	6	5			1								
	11	9806	31		22	36	06	80	8	02	7	7	5	5	7		1	2							
	14	9815	31		23	36	04	80	7	01	2	7	5	5			1								
	17	9814	32		25	36	05	80	7	01	6	6	5	5	3		1	1							
	20	9813	32		25	00	00	82	4	01	2	4	5	5	3	8	1	1	1						
	23	9816	29		24	00	00	84	4	02	1	3	5	5	3	8	1	1	1	05	42	523	0000	33	29
12	02	9825	29		27	00	00	80	7	03	1	2	5	5	7		1	8							
	05	9831	28		24	03	12	74	7	71	7	2	5	6	1		1	1							
	08	9838	32		17	03	15	80	7	01	7	1	5	6	1	2	1	1	1						
	11	9843	33		20	36	12	82	7	02	2	4	5	6		2	1		1						
	14	9849	34		22	36	11	82	7	02	2	3	5	6		2	1		1						
	17	9855	31		23	36	09	80	7	71	2	4	5	6	3	2	1	1	1						
	20	9865	30		23	00	00	80	7	02	7	7	5	6			1								
	23	9871	29		22	00	00	80	7	02	2	4	5	6		6	1		1	03	28	186	0000	34	27
13	02	9882	28		23	35	01	80	8	71	7	4	5	6	3	6	1	1	1						
	05	9886	28		25	00	00	58	8	70	7	8	6	4			5								
	08	9881	29		20	00	00	80	7	01	7	3	5	2	0		1	1							
	11	9882	31		21	36	06	80	6	01	2	1	5	5	3	1	1	1	1						
	14	9874	31		23	30	03	82	5	01	2	1	5	5	3		1	1							
	17	9861	32		18	27	01	82	6	03	1	4	5	5	3	1	1	1	1						
	20	9844	29		25	24	06	82	6	03	2	5	5	5	3	1	1								
	23	9835	26		18	03	12	82	5	01	2	5	5	5			1			02	19	154	0000	32	26
14	02	9827	25		21	04	11	80	6	03	1	6	5	5			1								
	05	9817	26		11	05	16	80	7	02	7	5	5				1								
	08	9804	28		14	02	16	80	8	15	7	6	4	3			1	1							
	11	9804	29		12	03	27	80	8	02	7	8	5	5			1								
	14	9809	35		17	01	20	80	6	01	2	5	5	5	3		1	1							
	17	9825	30		17	36	11	80	3	01	2	2	5	5		2	1		1						
	20	9837	29		20	25	05	82	5	03	1	4	8	5		2	1		1						
	23	9852	27		19	21	01	82	3	01	1	2	8	5		2	1		8	03	34	250	0000	35	25
15	02	9864	24		08	06	08	82	1	01	1	1	5	5			1								
	05	9873	26		09	35	07	84	2	02	1	1	5	6		1	8		8						
	08	9876	27		12	02	09	84	7	03	1	7	5	6			8								
	11	9875	27		13	36	15	80	7	02	2	7	5	6			1								
	14	9876	28		13	34	05	80	7	02	2	4	5	6	3		1								
	17	9869	27		12	00	00	82	7	03	2	7	5	7											
	20	9864	27		13	16	01	82	8	03	2	8	5	6			1								
	23	9846	26		19	23	03	82	7	01	2	7	5	6			1			01	18	288	0000	28	23
16	02	9839	26		17	22	05	82	7	02	2	7	8	5			7								
	05	9835	26		17	20	01	82	7	02	2	7	8	5			1								
	08	9825	27		12	00	00	82	6	01	2	4	8	5			1	1							
	11	9829	29		19	30	03	84	2	01	2	2	8	5		1	1		1						
	14	9827	29		19	00	00	82	6	03	1	6	8	5			1								
	17	9823	27		23	02	08	56	7	70	2	5	7	4	2		1	1							
	20	9828	27		23	01	14	82	7	03	7	5	5	5	2		1	1							
	23	9832	26		22	04	10	74	7	02	2	6	8	4	2	1	1	1	1	03	20	165	0000	31	25
17	02	9837	25		25	05	13	08	8	71	7	8	6	4			1								
	05	9837	28		23	04	18	56	8	02	7	8	6	4			1								
	08	9841	29		19	04	31	56	8	02	2	8	6	4			1								
	11	9841	31		19	04	39	56	8	15	2	8	6	4			1								
	14	9843	32		21	04	34	58	8	02	2	8	7	4			8								
	17	9841	30		20	04	33	66	8	02	2	2	6	4	2		8	1							
	20	9842	30		15	04	28	66	8	02	2	8	6	4			8								
	23	9843	30		17	04	24	66	8	02	2	6	6	4	2		1	1		04	54	340	0000	32	25
18	02	9842	30		20	04	18	65	8	15	2	8	6	4			1								
	05	9834	29		20	06	14	32	8	71	7	8	6	4			1								
	08	9827	28		22	04	17	48	8	71	7	3	6	4	1		1	1							
	11	9819	33		17	03	12	74	8	01	7	2	5	5	1		1	1							
	14	9811	33		18	36	10	80	8	01	2	1	5	5		2	1		1						
	17	9809	32		19	01	04	80	7	01	2	2	5	6	7	8	1	1	1						
	20	9797	30		15	36	04	80	7	02	2	6	8	5	3		1	1							
	23	9795	28		19	01	06	80	8	02	2	9			2		1	1		04	37	606	0000	34	27

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LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°× 10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°× 10	kt	St.miles	Points	°F	°F
19	02	9797	27		24	00	00	58	8	71	7	0	6	5	2		8	1							
	05	9797	27		25	02	08	58	8	71	7	8	5	5			1	1							
	08	9797	29		23	03	11	74	7	01	7	6	5	5	7		1	1							
	11	9804	30		22	02	14	74	7	01	2	6	5	5	7		1	1							
	14	9801	30		24	01	09	66	8	70	2	7	6	6	7		1	1							
	17	9807	29		26	36	02	58	8	71	7	8	6	5			1	1							
	20	9806	28		25	00	00	74	7	01	7	5	8	5	7		1	1							
	23	9806	28		24	03	10	80	7	02	7	7	5	6			1	1		02	17	234	0000	31	26
20	02	9799	27		21	03	04	80	7	70	7	7	5	6			1	1							
	05	9784	29		23	04	21	80	7	02	2	5	5	6	3	2	1	1	8						
	08	9772	28		26	03	19	58	8	71	7	8	5	5			1	1							
	11	9767	29		23	01	13	66	8	02	7	7	5	5	3		1	1							
	14	9761	30		23	01	09	74	7	01	2	5	5	5	3		1	1	8						
	17	9765	30		22	02	09	74	7	15	2	4	8	5	7	2	1	1	1						
	20	9773	29		25	19	02	74	7	16	2	6	8	5	7	8	1								
	23	9784	28		26	16	03	58	8	71	7	8	8	5			1			04	30	290	0000	31	26
21	02	9794	26		22	00	00	58	8	71	7	8	6	5			1								
	05	9800	27		25	17	02	58	8	71	7	8	6	6			1								
	08	9805	28		27	04	10	32	8	71	7	8	6	5			1								
	11	9815	30		25	02	12	63	8	70	7	3	5	5	2		1	1							
	14	9814	30		26	02	12	48	8	70	7	4	6	5	1		1	1							
	17	9818	28		27	01	09	63	8	70	7	7	8	4	1		1	1							
	20	9823	28		28	02	06	58	8	70	7	8	6	5			1								
	23	9824	28		23	03	16	66	8	01	7	2	6	5	1	4	1	1	7	03	25	227	0001	31	25
22	02	9826	27		20	04	10	80	8	02	2	2	5	6	9		1	7							
	05	9826	28		17	06	11	74	8	70	2	4	6	5	2	8	1	1	7						
	08	9819	29		20	04	24	63	8	70	7	7	6	5	2		1	1							
	11	9823	31		18	05	26	74	8	02	7	7	6	5	2		1	1							
	14	9828	31		16	03	16	74	8	02	2	7	6	5	2		1	1							
	17	9830	31		18	01	11	74	8	02	2	3	6	5	2		1	1							
	20	9835	30		19	02	07	82	8	03	2	7	5	6	7		1	1							
	23	9842	29		15	06	02	82	8	01	2	3	5	6	7	8	1	1	1	04	39	351	0001	33	27
23	02	9847	29		13	00	00	82	8	01	2	1	5	6	7	8	1	1	1						
	05	9852	29		15	03	07	82	7	02	2	4	6	6	7	8	1	1	1						
	08	9856	30		17	36	03	82	6	01	2	2	5	6	7	2	1	1							
	11	9850	30		19	27	03	82	4	01	2	3	5	6		2	1								
	14	9844	30		22	25	13	84	2	01	1	0				8									
	17	9841	31		23	26	13	84	2	01	1	0				8									
	20	9833	33		22	23	07	84	1	01	1	0				8									
	23	9831	32		15	03	03	84	6	03	1	0				2				04	19	268	0000	34	29
24	02	9839	30		14	09	05	84	6	02	2	0				9									
	05	9845	31		11	04	08	84	4	01	2	0				7									
	08	9846	35		12	04	16	84	8	03	1	0				7									
	11	9851	33		18	36	10	84	8	03	2	0				9									
	14	9852	34		19	36	02	84	6	01	2	0				2									
	17	9880	35		18	36	02	84	2	01	2	0				2									
	20	9887	37		19	04	06	84	1	01	1	0				2									
	23	9902	34		17	04	04	84	1	01	1	0				2				03	29	226	0000	37	28
25	02	9914	31		13	04	18	84	1	02	1	0				2			1						
	05	9914	32		14	07	06	84	2	02	1	0			3										
	08	9913	35		14	04	17	84	1	01	1	0						1							
	11	9909	35		17	02	18	84	4	03	1	4	5	7	3		8								
	14	9901	35		20	36	10	84	1	01	1	0						1							
	17	9896	33		19	24	02	84	1	03	1	0	5	6			8								
	20	9887	33		18	20	07	84	0	01	1	0													
	23	9877	30		19	03	05	84	0	01	1	0								04	30	269	0000	35	29
26	02	9873	27		14	04	12	84	1	03	0	1	5	6			1								
	05	9869	27		16	03	14	84	1	03	1	1	5	6		1	1								
	08	9863	30		18	03	13	82	7	03	1	6	5	6			1	1							
	11	9866	30		17	02	16	80	7	02	2	7	5	6			1								
	14	9869	30		19	02	10	80	8	03	2	8	5	6			1								
	17	9870	30		21	02	07	80	7	02	2	7	5	5			1								
	20	9870	27		23	02	13	66	7	15	2	7	8	5			1								
	23	9873	28		21	02	09	74	7	02	7	7	8	5			1			03	24		0000	31	26
27	02	9873	29		26	04	10	66	7	70	2	7	6	5			1								
	05	9863	30		20	04	16	74	7	01	2	7	8	5			1								
	08	9862	31		19	04	17	74	7	02	2	7	8	5			1								
	11	9854	33		15	02	05	74	6	01	2	6	8	5			1	1							
	14	9846	34		17	04	14	74	7	03	2	7	5	5	3		1								
	17	9842	30		25	00	00	74	7	02	2	7	5	6			1								
	20	9827	34		16	06	03	74	7	70	2	7	6	5		7	1		1						
	23	9829	31		23	00	00	74	8	15	7	8	6	5			1			04	19	613	0000	35	28

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LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°× 10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°× 10	kt	St.miles	Points	°F	°F
28	02	9820	31		15	08	06	66	8	70	7	8	6	5			1								
	05	9799	31		16	07	18	74	8	02	7	8	6	5			1								
	08	9778	32		19	05	21	74	8	02	2	4	6	5	2		1	1							
	11	9758	34		21	04	34	74	8	02	2	2	6	5	2		1	1							
	14	9756	34		25	04	32	66	8	02	2	6	5	5	2		1								
	17	9753	31		25	04	34	58	8	70	2	8	6	4			1								
	20	9758	30		26	03	29	32	8	71	7	6	7	4	2		1								
	23	9765	29		25	04	30	63	8	71	7	8	6	5			1			04	53	274	0000	35	29
29	02	9770	28		24	03	30	66	8	15	7	8	6	5			1								
	05	9763	30		22	04	26	74	7	02	7	5	5	5	2		1	1							
	08	9772	32		21	04	25	74	7	15	2	6	5	5	2		1	1							
	11	9749	32		23	03	23	74	7	02	2	5	5	6	2		1	1							
	14	9755	33		24	03	16	74	7	01	2	2	5	6	2		1	1							
	17	9754	33		25	02	14	74	7	01	2	2	5	6	7		1	1							
	20	9751	31		23	00	00	74	7	14	2	2	5	6	7	1	1	1	1						
	23	9750	30		27	00	00	74	2	01	2	1	5	6	7	8	1	1	1	04	48	726	0000	35	28
30	02	9744	29		14	09	03	80	1	02	1	1	5	6	3	8	1	1	1						
	05	9742	29		08	08	09	84	2	02	1	1	5	6	3	8	1	1	1						
	08	9735	31		09	02	10	84	1	01	1	1	0			2			1						
	11	9729	31		12	01	14	84	3	03	1	1	0			5			7						
	14	9729	30		13	36	08	84	1	01	1	1	0			2			7						
	17	9729	32		15	36	05	84	2	03	1	1	0			9			7						
	20	9726	30		16	00	00	84	6	03	1	1	0			6			6						
	23	9730	27		15	03	10	84	6	03	2	1	5	6		8	7		7	02	24	303	0000	32	26
31	02	9734	25		13	03	09	84	8	03	2	2	5	6		7	7		7						
	05	9736	26		10	02	14	82	7	02	2	1	5	6		8	7		7						
	08	9734	26		10	03	18	82	7	02	2	1	5	6		8	1		1						
	11	9734	29		15	03	23	80	7	03	2	2	5	6	5	8	1	1	1						
	14	9739	27		15	03	18	80	8	03	2	6	5	6	7		1	1	1						
	17	9740	28		18	02	14	80	8	02	2	6	6	6	7		1	1							
	20	9734	28		18	03	16	80	8	02	2	6	5	6	7		1	1							
	23	9732	28		17	03	16	74	8	70	2	4	5	6	7		1	1		04	31	303	0000	29	25

Results of Surface Observations,
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LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	w	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
01	00	10107	40	39	37	29	24	58	7	03	2	7	5	5			6								
	03	10107	39	39	38	29	19	66	7	21	6	7	5	5			6								
	06	10110	40	39	38	29	24	74	7	21	6	7	5	5			6								
	09	10104	44	43	42	29	16	74	7	02	2	7	8	4			6								
	12	10101	43	43	43	32	13	66	8	03	2	7	8	3			6								
	15	10094	45	45	44	30	12	74	8	02	2	8	5	3			6								
	18	10088	43	43	43	29	13	58	7	03	2	8	5	2		1	6			30	32	480	0003	47	37
	21	10095	43	42	42	22	05	74	7	01	2	7	6	3			5								
02	00	10101	40	40	40	26	05	74	6	02	2	6	4	4			6								
	03	10107	41	41	41	28	09	80	6	02	2	6	5	4			6								
	06	10118	41	41	40	25	04	74	8	02	2	8	5	3			6								
	09	10128	42	41	40	33	04	74	8	02	2	8	5	4											
	12	10130	43	41	39	02	04	74	8	02	2	8	5	4											
	15	10125	44	41	38	36	04	80	7	02	2	7	5	4											
	18	10126	43	41	38	02	09	80	7	02	2	6	5	5		5	8			02	23	175	0000	45	39
	21	10123	44	43	42	02	14	80	7	02	2	7	5	5			8								
03	00	10111	43	42	40	01	11	80	8	02	2	8	5	4			8								
	03	10090	44	43	42	02	17	80	8	02	2	8	5	5			8								
	06	10072	44	43	41	02	17	80	8	20	2	8	5	5			8								
	09	10041	45	43	40	02	22	80	8	20	2	8	5	4			8								
	12	10005	45	44	43	36	23	74	8	15	2	8	5	4			8								
	15	9956	45	45	44	36	25	48	8	53	2	8	5	2			8								
	18	9901	45	45	45	36	21	32	8	53	2	8	6	2			8			01	43	286	0000	46	42
	21	9856	45	45	45	02	10	48	8	61	6	8	6	2			7								
04	00	9816	44	44	44	32	07	32	8	61	6	8	6	2			7								
	03	9811	44	44	44	34	10	32	8	20	6	8	6	1			7								
	06	9819	43	43	42	32	13	08	8	47	6	8	6	1			7								
	09	9832	43	43	43	33	11	66	8	02	6	8	6	3			8								
	12	9837	45	45	44	36	11	80	8	01	2	8	6	2			8								
	15	9814	46	45	45	01	24	56	8	61	6	7	6	3	7	6	8	8	8						
	18	9805	45	45	45	35	19	66	7	21	6	1	6	5	2	8	8	8	7	02	52	355	0047	48	40
	21	9804	45	43	41	35	21	74	3	01	1	1	6	5	7		8	8							
05	00	9786	44	43	41	02	15	66	6	03	2	4	5	4	7		8								
	03	9755	44	43	42	02	18	58	8	62	2	7	7	4	1		8								
	06	9753	43	43	42	34	17	60	7	60	6	5	7	4	2		7								
	09	9788	42	41	41	29	30	66	8	25	8	8	8	4			7								
	12	9840	42	41	40	28	36	70	8	02	8	8	8	4			6								
	15	9902	40	39	39	29	35	66	8	80	8	8	8	4			6								
	18	9964	40	39	36	28	34	80	8	15	8	8	8	4			6			29	59	462	0008	45	39
	21	10008	41	38	34	28	27	66	8	03	8	8	8	4			6								
06	00	10038	40	39	38	28	20	63	4	80	8	4	8	4			6								
	03	10041	41	39	36	30	13	74	7	03	2	6	8	5	7		6		6						
	06	10029	41	41	41	32	16	74	8	80	2	8	8	4	2		7								
	09	9992	44	44	44	31	23	60	8	61	6	7	7	3			6								
	12	9993	44	44	44	29	20	74	8	50	5	8	7	4			6								
	15	10000	43	42	41	29	26	74	7	03	5	7	8	4			6								
	18	10014	42	41	40	28	32	66	8	03	5	8	8	5			6			29	57	535	0007	46	38
	21	10055	42	41	40	28	18	66	8	80	2	8	8	4			6								
07	00	10097	41	39	37	22	08	63	8	80	2	8	8	4			5								
	03	10123	39	39	38	28	19	66	8	81	2	8	8	4			5								
	06	10143	40	39	38	28	14	80	7	25	8	8	8	4			5								
	09	10150	41	40	39	29	17	80	8	02	5	7	8	5			6								
	12	10151	44	43	42	31	16	80	7	01	2	6	8	3			7								
	15	10135	44	44	43	32	12	63	8	03	2	8	8	4			7								
	18	10110	45	45	45	33	21	58	8	21	2	8	6	3	2	8	7	6	6	31	30	404	0003	45	38
	21	10103	45	45	45	31	23	60	8	60	6	7	7	3			7								
08	00	10097	45	45	45	31	26	16	8	21	6	8	6	1			7								
	03	10085	45	44	44	31	21	48	8	51	6	8	6	2			7								
	06	10081	44	44	44	31	22	56	8	50	6	8	6	2			7								
	09	10063	45	44	44	32	19	48	8	51	5	8	6	2			7								
	12	10053	45	45	45	32	22	63	8	51	5	8	6	3			7								
	15	10048	44	44	44	32	14	08	8	47	5	8	6	3			7								
	18	10041	43	43	43	32	09	08	8	45	4	8	6	3			7			31	27	469	0006	45	42
	21	10030	43	43	43	34	05	32	8	51	5	8	6	3			7								
09	00	10001	43	43	43	33	03	08	8	51	5	8	6	0			7								
	03	9991	41	41	41	18	10	63	8	51	5	8	6	1			7								
	06	10003	41	40	40	15	17	66	7	03	6	7	6	2			7								
	09	10048	40	39	38	18	24	66	8	01	6	8	7	2			7								
	12	10078	42	40	37	17	14	80	7	03	6	8	8	4			7								
	15	10110	44	41	37	17	08	80	5	03	6	8	8	5			7								
	18	10115	42	40	37	17	04	80	7	03	6	8	8	5			7								
	21	10110	41	40	38	35	10	80	7	03	2	1	5	5	7	1	6	6	6	18	30	239	0033	46	37

Results of Surface Observations,
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LOCAL STANDARD TIME			TEMPERATURES			SURFACE WIND												DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST				EXTREME TEMPERATURES	
DAY	HOUR	STATION LEVEL PRESSURE	DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED	VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD AMOUNT	LOW CLOUD TYPE	LOW CLOUD BASE	MIDDLE CLOUD	HIGH CLOUD	LOW	MIDDLE	HIGH	DIRECTION	SPEED	ANEMOMETER WIND RUN	PRECIPITATION	MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
10	00	10094	42	41	40	36	14	74	8	03	2	8	5	5			7								
	03	10059	42	42	42	36	14	66	8	02	2	7	5	5	1		8								
	06	10021	43	42	42	36	14	74	8	02	2	2	5	4	7		7	7							
	09	9967	43	43	42	01	12	74	8	02	2	7	5	4	2		7								
	12	9906	43	42	42	35	10	63	8	63	2	8	5	4			8								
	15	9879	37	37	37	25	21	61	8	68	6	5	7	4	2		5								
	18	9894	41	39	36	28	24	82	7	15	6	7	7	4			5								
	21	9918	39	37	35	29	28	80	6	15	8	6	8	5			6			29	57	264	0000	44	36
11	00	9927	39	38	36	29	35	80	5	02	1	5	8	5			5								
	03	9946	41	39	36	29	39	63	8	03	6	8	8	5			5								
	06	9991	39	37	33	28	28	66	8	02	2	8	5	5			6								
	09	10038	40	38	35	28	28	66	8	03	2	8	5	5			6								
	12	10062	43	40	35	28	22	80	7	02	2	4	1	5	3		6	6							
	15	10082	43	40	36	28	17	80	8	02	2	2	1	5	3		6								
	18	10082	42	41	40	30	16	80	8	02	2	6	8	5	3		6								
	21	10069	43	43	43	32	24	63	8	61	2	8	7	3			7			30	74	533	0031	45	38
12	00	10070	43	43	43	31	19	48	8	21	6	8	8	3			7								
	03	10079	43	43	42	28	17	74	7	25	8	6	8	4	4		6	5							
	06	10095	43	43	43	29	11	74	8	15	2	7	8	3	4		6								
	09	10102	44	44	44	31	11	66	8	50	5	8	6	2			7								
	12	10103	45	45	45	31	15	66	8	50	5	8	6	2	4		7								
	15	10106	45	45	45	31	16	80	7	02	2	1	5	3			7	6							
	18	10110	45	45	44	32	14	80	7	02	1	1	5	3	3		7	6							
	21	10117	44	44	44	32	10	74	7	03	2	1	5	3	7		6	6		30	29	386	0003	48	42
13	00	10119	44	43	43	32	10	66	8	03	2	5	5	6	7		7	6							
	03	10108	43	43	43	34	10	74	8	03	2	5	5	6	2		7	6							
	06	10101	44	43	43	34	10	80	8	03	2	5	5	6	2		7	6							
	09	10089	45	45	45	34	08	80	8	03	2	7	5	5	3		7	7							
	12	10058	46	45	45	02	17	80	8	03	2	3	5	6	3		8								
	15	10023	46	46	46	02	20	63	8	50	5	8	6	2	2		8								
	18	10001	46	46	46	35	12	08	8	45	5	8	6	2	2		8								
	21	9997	46	46	46	34	14	04	8	45	4	8	6	0			8			02	38	316	0000	49	42
14	00	9991	45	45	45	31	07	04	8	45	6	8	6	0			7								
	03	9986	45	45	45	30	06	04	8	45	5	8	6	0			7								
	06	9979	46	46	46	31	06	02	8	47	4	8	6	0			8								
	09	9957	48	47	47	02	17	02	8	45	5	8	6	0			8								
	12	9927	47	47	47	01	17	06	8	43	4	8	6	0			8								
	15	9895	47	47	47	01	18	06	8	45	4	8	6	0			8								
	18	9878	48	47	46	02	29	32	8	03	4	8	6	1			8								
	21	9882	46	45	44	34	26	50	7	50	5	7	5	3			7			02	43	264	0007	49	43
15	00	9884	44	43	41	33	29	80	4	01	2	4	5	5			7								
	03	9890	43	42	42	33	29	74	8	80	2	8	5	5			7								
	06	9909	43	42	41	32	25	80	8	61	6	3	4	5	7		7	6							
	09	9942	42	41	40	32	28	74	8	61	6	8	4	4			7								
	12	9985	43	42	40	29	22	74	8	15	6	8	4	4			7								
	15	10016	44	41	37	29	19	74	6	01	2	8	5	5	4		6	5							
	18	10037	43	42	40	32	17	74	7	03	2	8	5	5	4		6	5							
	21	10044	43	42	41	33	22	74	8	03	2	3	5	6	1	6	7		5	34	43	682	0006	45	40
16	00	10033	45	44	43	34	26	66	8	50	2	8	5	5			7								
	03	10025	45	45	45	34	29	40	8	50	5	8	6	2			7								
	06	10044	45	45	45	33	19	58	8	03	5	8	6	3			7								
	09	10078	45	45	45	31	17	32	8	28	4	8	6	2			7								
	12	10103	45	45	45	31	15	56	8	50	2	8	6	2			7								
	15	10127	45	45	45	31	14	63	8	02	2	8	6	2			7								
	18	10145	45	45	45	30	16	32	8	50	5	7	6	2	2		7								
	21	10157	44	44	44	32	05	04	8	47	4	8	6	0			7			34	38	542	0003	47	43
17	00	10151	44	44	44	33	12	16	8	02	4	8	6	3			7								
	03	10144	44	44	44	33	14	04	8	45	4	8	6	0			7								
	06	10136	45	45	45	34	20	56	8	02	4	8	6	3			7								
	09	10132	47	46	45	32	22	48	8	02	2	8	6	2			7								
	12	10154	47	45	41	29	22	80	2	01	1	2	6	4			7								
	15	10167	46	44	41	29	22	80	5	03	1	5	1	4			6								
	18	10179	44	43	41	28	19	80	3	02	1	1	4	4			6		7						
	21	10170	43	43	42	32	10	74	6	03	2	1	4	4	5	5	7	6	6	29	35	339	0000	49	43
18	00	10145	44	43	43	34	14	66	7	03	2	4	5	4	5		8	8							
	03	10114	45	45	44	34	22	60	8	51	2	8	6	2			8								
	06	10085	46	46	46	33	25	48	8	51	5	8	6	1			8								
	09	10072	46	46	46	32	23	48	8	51	5	8	6	2			7								
	12	10077	48	45	41	31	21	82	1	01	5	1	6	4			7								
	15	10074	48	45	41	31	20	82	1	02	0	1	1	4			7								
	18	10064	45	43	40	31	22	82	1	03	2	6	8	4			7								
	21	10059	45	43	41	31	23	74	6	03	2	6	8	4			7			31	37	446	0000	49	42

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LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
19	00	10048	44	42	39	31	24	74	5	03	1	5	8	4			6								
	03	10028	44	41	38	31	30	80	3	03	1	3	8	4			6								
	06	10010	44	42	40	32	30	74	8	15	2	8	8	4			7								
	09	10007	43	43	43	30	27	74	8	80	2	8	8	5			6								
	12	10018	44	43	42	29	23	74	7	15	8	8	8	5			6								
	15	10054	43	41	39	28	24	74	7	02	8	8	8	5			6								
	18	10098	40	40	39	27	14	66	8	80	8	8	8	4	1		6	6							
	21	10144	40	38	35	25	12	80	6	02	2	6	1	6			5			31	37	589	0001	46	37
20	00	10166	40	38	35	27	17	80	2	01	8	2	1	5			5								
	03	10182	41	40	39	27	17	82	7	02	2	7	6	5			6								
	06	10187	42	41	41	27	18	80	8	80	2	8	8	5			6								
	09	10196	42	42	41	28	19	80	8	02	8	8	8	5			6								
	12	10192	45	44	41	27	21	80	6	02	1	2	5	6	7		5	5	5						
	15	10193	45	44	43	29	17	80	8	15	2	5	1	5	2		6	6							
	18	10173	43	43	43	32	17	66	8	61	6	4	7	4	2		7	7							
	21	10139	44	44	44	34	23	66	8	21	6	4	5	5	7		7			29	49	428	0004	46	39
21	00	10093	45	45	45	33	30	66	8	02	2	8	5	4			7								
	03	10069	45	45	45	33	25	32	8	51	5	7	7	2	2		7								
	06	10055	46	46	46	33	25	24	8	55	5	7	7	2	2		7								
	09	10034	45	45	45	32	23	48	8	55	5	6	7	2			7								
	12	9995	46	46	46	33	27	48	8	63	6	8	7	2			7								
	15	9949	46	46	46	33	28	32	8	63	6	8	7	1			7								
	18	9939	45	45	45	32	16	32	8	21	6	8	6	2			7								
	21	9947	40	39	39	27	21	58	8	63	6	8	7	2			6			27	40	545	0011	47	37
22	00	9973	41	38	34	27	18	66	6	01	6	6	5	5			6								
	03	9976	41	39	36	30	17	80	3	15	1	3	8	5			6								
	06	9972	41	40	40	30	10	80	7	15	8	7	8	5	1		6								
	09	9995	42	40	38	19	09	80	5	01	6	4	8	5	3		5	6							
	12	10027	44	42	39	22	08	80	5	03	1	5	2	5			4	5							
	15	10056	43	41	38	28	13	82	5	02	2	5	1	5			5								
	18	10071	41	39	38	28	15	82	7	15	8	7	8	5			5								
	21	10092	40	39	37	25	09	80	7	02	8	7	8	5			5			27	41	481	0036	47	37
23	00	10108	39	38	37	25	06	74	8	02	2	8	8	5			5								
	03	10127	39	37	33	27	05	80	8	02	2	8	8	5			5								
	06	10145	40	38	35	25	04	82	7	02	2	7	8	5			6								
	09	10147	43	41	39	27	09	82	7	03	2	7	4	5			6								
	12	10144	43	42	39	29	13	82	7	02	2	7	8	5			7								
	15	10134	43	42	41	32	15	80	8	02	2	8	8	5			7								
	18	10110	43	42	41	31	16	80	8	02	2	8	8	5			7			31	31	239	0001	45	38
	21	10096	44	44	44	33	20	66	8	61	2	8	7	4			7								
24	00	10059	45	45	45	33	24	66	8	03	6	8	6	4			7								
	03	10037	45	45	45	34	24	48	8	61	6	8	6	2			7								
	06	10039	45	45	45	32	17	58	8	61	6	8	6	2			7								
	09	10042	46	46	45	31	11	80	6	01	2	2	8	5	7		6	6							
	12	10026	46	45	44	31	15	82	6	02	2	0	0	9	3	6		6	6						
	15	10007	45	45	45	31	22	74	8	61	6	1	1	4	7		7	6							
	18	9980	45	45	45	32	23	66	8	21	6	8	5	4			7								
	21	9975	45	45	45	29	24	58	8	21	6	8	7	2			7			31	34	490	0005	48	43
25	00	9968	45	45	45	30	18	48	8	21	6	8	6	2			6								
	03	9967	45	45	45	29	16	58	8	61	6	8	6	2			6								
	06	9978	45	45	45	28	17	60	8	51	5	8	7	2			6								
	09	9961	45	45	45	30	20	32	8	51	5	8	6	2			7								
	12	9963	46	45	44	29	23	74	8	02	2	8	5	4			6								
	15	9967	45	44	43	28	22	66	8	02	2	8	5	4			6								
	18	9970	44	43	41	27	22	66	8	02	2	8	5	4			6								
	21	9974	44	42	40	27	21	80	7	02	2	7	5	4			6			26	36	492	0014	47	42
26	00	9965	44	43	42	29	22	66	8	25	8	8	8	4			6								
	03	9981	42	40	37	27	31	66	8	18	8	8	8	4			6								
	06	9986	42	40	37	28	26	74	8	25	8	8	8	4			6								
	09	9994	42	40	38	27	23	74	8	80	2	8	8	4			6								
	12	9984	43	41	38	27	23	74	7	02	8	8	8	5			6								
	15	9978	43	41	39	27	24	74	8	15	8	8	8	4			6								
	18	9997	42	40	37	27	26	74	7	25	8	8	8	4			6								
	21	10032	41	39	36	25	13	80	8	80	8	8	8	4			5			27	54	508	0001	45	39
27	00	10061	40	37	32	23	10	80	7	02	8	8	8	5			5								
	03	10092	40	38	34	23	12	82	6	02	8	8	6	6			5								
	06	10110	41	38	33	28	10	82	6	01	2	2	7	5			5								
	09	10121	42	39	34	28	10	82	7	01	2	2	6	5			5								
	12	10125	44	41	37	28	14	82	8	03	2	2	7	5			5								
	15	10118	43	41	38	27	17	80	8	03	2	2	4	5			5								
	18	10118	42	41	39	27	16	80	8	03	2	2	6	5			5								
	21	10118	39	38	37	27	10	66	8	61	6	5	7	4	1	6	7	5	5	27	35	421	0001	45	37
															2			5	5						
															2			5							

Results of Surface Observations,
MACQUARIE – JAN., 1961

LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10^{-1}	°F	°F	°F	°× 10	kt	VV	Oktas	ww	w	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°× 10	kt	St.miles	Points	°F	°F
28	00	10113	40	40	39	27	10	74	8	02	6	8	5	5			6								
	03	10106	41	39	38	27	06	80	7	02	2	7	8	5			5								
	06	10105	42	41	40	00	00	82	6	01	2	5	8	5		1	5								
	09	10102	43	41	37	28	04	82	6	02	2	5	8	5		8	6		5						
	12	10084	44	42	39	15	02	82	6	03	2	1	5	5	7	6	5	5	5						
	15	10070	42	40	38	11	02	80	8	61	6	2	5	5	7		8	6	6						
	18	10043	41	39	37	12	11	80	8	61	6	3	5	6	2		2	6	6	14	23	280	0006	48	39
	21	10053	41	39	35	13	09	80	8	61	6	6	5	6	2		3								
29	00	10034	41	39	37	13	19	80	8	61	6	2	5	6	2		2	7							
	03	10037	40	39	37	14	17	74	7	21	6	5	5	5	2		2								
	06	10048	40	39	37	14	12	80	8	02	2	8	5	5			2								
	09	10054	41	40	39	14	12	80	8	02	2	8	5	4			3								
	12	10059	43	40	35	12	08	80	8	02	2	7	5	5			2								
	15	10049	43	40	35	07	06	82	7	02	2	6	5	6			1								
	18	10038	43	41	38	09	05	82	6	02	2	5	5	6			8								
	21	10023	44	42	39	09	05	80	5	01	2	5	5	6			1			02	25	218	0023	45	39
30	00	10003	45	42	40	02	10	74	8	03	2	8	7	4			1								
	03	9961	45	43	41	36	12	74	8	03	2	8	7	3			8								
	06	9933	45	45	45	02	14	48	8	53	2	5	6	2			8								
	09	9898	45	45	45	35	13	48	8	61	2	6	6	2			8								
	12	9901	47	45	43	28	20	80	7	02	2	7	5	5	2		5								
	15	9915	47	45	43	29	17	80	3	01	1	1	5	6			6	6	7						
	18	9914	46	45	44	33	16	80	3	02	1	2	0	9	4	2	3	6	6						
	21	9900	47	46	45	34	24	66	8	03	2	8	8	3	3	1	8			36	32	299	0025	49	43
31	00	9890	47	46	45	33	22	66	8	03	2	8	7	2			8								
	03	9866	46	46	46	34	18	16	8	63	6	8	7	0			8								
	06	9819	47	47	47	34	34	58	8	61	6	8	7	2			8								
	09	9814	47	47	47	33	27	58	8	02	5	8	7	3	1		7								
	12	9823	47	47	46	32	27	66	7	05	2	7	5	4	1		6								
	15	9844	47	46	45	31	17	74	7	02	2	6	5	4				6							
	18	9849	45	45	44	32	04	66	7	05	2	7	0	9	7			7							
	21	9846	44	43	42	34	03	74	8	60	6	5	5	5	7		7	7		34	45	578	0010	49	43

Results of Surface Observations,
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LOCAL STANDARD TIME			TEMPERATURES			SURFACE WIND												DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST				EXTREME TEMPERATURES	
DAY	HOUR	STATION LEVEL PRESSURE	DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED	VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD AMOUNT	LOW CLOUD TYPE	LOW CLOUD BASE	MIDDLE CLOUD	HIGH CLOUD		LOW	MIDDLE	HIGH	DIRECTION	SPEED	ANEMOMETER WIND RUN	PRECIPITATION	MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H		D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
01	00	9850	43	43	43	32	09	82	1	01	6	1	5	5				7								
	03	9849	44	43	42	33	14	82	2	02	0					2				7						
	06	9845	44	43	42	34	17	82	8	03	2	1	1	5	3	6		7								
	09	9837	45	44	43	34	15	74	8	60	2	8	8	5	4			7								
	12	9823	46	45	44	34	14	80	7	02	2	4	5	5	6			7								
	15	9820	45	44	43	32	02	80	7	01	2	2	5	5	3			7								
	18	9825	45	44	43	31	03	80	7	60	2	3	5	5	2		5	7								
	21	9838	43	42	41	24	04	82	7	02	2	3	5	5	3			6			36	27	431	0012	47	42
02	00	9866	43	42	41	20	08	82	6	25	8	4	8	4	3			5	5							
	03	9915	42	41	41	22	10	82	6	02	8	6	8	4				5								
	06	9957	43	42	41	20	13	74	8	80	8	8	8	4				5								
	09	10014	43	42	41	21	14	74	8	80	8	8	8	4				5								
	12	10051	43	41	38	20	10	80	8	02	8	8	8	4				5								
	15	10067	43	41	38	29	11	80	6	15	2	4	8	5	4			5	5							
	18	10074	43	42	41	29	10	74	8	03	2	8	8	5				5			25	31	264	0002	46	41
	21	10067	43	42	42	30	18	74	8	61	2	8	8	5				5								
03	00	10046	43	43	43	30	19	66	8	51	5	8	6	2				6								
	03	10045	44	44	44	28	17	58	8	50	5	8	6	2				6								
	06	10059	43	43	42	28	13	74	8	02	5	8	5	4				6								
	09	10069	43	43	42	28	12	80	8	02	2	8	5	4				6								
	12	10074	46	44	42	28	12	82	6	03	2	4	8	5	4			6	6							
	15	10084	45	43	40	28	10	82	6	02	2	5	1	5		8		6		6						
	18	10086	43	41	38	23	02	82	6	03	2	4	8	5	5	8		5	5	5						
	21	10091	42	40	35	00	00	80	7	02	2	7	5	5				6			34	33	377	0003	47	40
04	00	10079	41	40	40	32	02	74	8	61	2	8	5	5	6			6								
	03	10067	40	40	39	00	00	80	4	21	6	4	5	5				6								
	06	10060	41	40	39	00	00	80	8	02	2	8	5	5	5			6								
	09	10052	42	42	42	00	00	32	8	53	6	8	8	6				8								
	12	10030	45	45	45	35	07	04	8	45	4	8	8	6	1			9								
	15	10020	46	46	46	33	06	04	8	45	4	8	8	6	0			9								
	18	10015	45	45	45	32	06	02	8	45	4	8	8	6	0			9								
	21	10007	45	45	45	33	07	04	8	45	4	8	8	6	0						02	17	143	0010	47	39
05	00	9990	45	45	45	33	10	16	8	61	6	8	7	1				7								
	03	9962	46	46	46	34	17	16	8	61	6	8	7	1				7								
	06	9946	46	46	46	34	17	32	8	61	6	8	7	1				7								
	09	9955	46	46	46	31	17	60	8	02	2	8	6	2				7								
	12	9969	47	45	42	29	16	80	7	02	2	6	8	5	3			6	7							
	15	9988	46	43	39	28	16	84	1	01	0	1	1	5				6								
	18	10012	43	40	35	29	10	84	7	02	2	7	5	5				6								
	21	10030	43	42	41	31	17	74	5	02	2	5	4	6				6			29	24	312	0013	48	42
06	00	10037	43	43	41	31	15	74	1	02	1	1	5	6				6								
	03	10041	44	43	42	32	14	74	4	03	0	1	5	6			5	6								
	06	10042	45	44	44	33	14	80	7	03	2				5	8			6							
	09	10041	46	44	41	34	18	82	7	02	2					6				6						
	12	10030	47	45	43	33	20	82	8	03	2				3	7			7	7						
	15	10017	47	46	43	34	19	82	6	02	2	6	5	4	7			7	6							
	18	10003	46	45	44	34	20	58	8	51	6	8	7	4	2			7								
	21	10008	46	46	46	32	18	56	8	02	5	8	7	2				7			34	27	397	0000	48	42
07	00	10013	45	45	45	32	12	32	8	02	2	8	6	1				7								
	03	10018	45	45	45	32	12	56	8	02	2	8	6	2				7								
	06	10027	45	45	45	31	07	66	8	01	2	8	6	2				7								
	09	10028	45	45	45	34	09	66	8	60	2	8	6	2				7								
	12	10022	46	46	46	34	05	32	8	02	6	8	6	1				7								
	15	10018	46	46	46	32	08	02	8	45	4	8	6	0												
	18	10012	45	45	45	33	05	02	8	60	4	8	6	0												
	21	10012	45	45	45	30	01	02	8	61	6	8	6	0							34	17	482	0001	47	44
08	00	10005	45	45	45	31	01	04	8	61	6	8	6	2				7								
	03	9993	45	45	45	00	00	02	8	47	6	8	6	0												
	06	9979	45	45	45	32	02	66	8	21	6	4	6	2	2			7	7							
	09	9956	46	46	46	07	02	48	8	02	6	8	6	2				9								
	12	9921	47	47	47	36	09	02	8	45	5	8	6	0												
	15	9886	46	46	46	34	09	02	8	51	4	8	6	0												
	18	9864	45	45	45	35	06	04	8	51	5	8	6	0												
	21	9854	46	46	46	32	02	04	8	45	5	8	6	0							36	29	176	0011	48	43
09	00	9791	47	47	47	36	13	16	8	60	6	8	6	2				8								
	03	9750	45	42	38	34	23	80	5	01	2	5	5	5				7								
	06	9699	43	41	38	34	37	74	7	80	8	7	8	5				7								
	09	9686	42	40	38	31	44	32	8	80	8	8	7	4				7								
	12	9718	42	40	37	31	47	32	7	02	2	7	2	4				6								
	15	9752	40	39	39	30	53	32	8	80	8	8	7	4		2		6	6							
	18	9805	40	39	38	29	43	48	7	80	8	7	7	4		4		6								
	21	9856	41	40	39	29	37	56	7	80	8	7	7	4				6			32	76	491	0006	49	39

Results of Surface Observations,
MACQUARIE – Feb., 1961

LOCAL STANDARD TIME			TEMPERATURES			SURFACE WIND						LOW CLOUD					DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST				EXTREME TEMPERATURES	
DAY	HOUR	STATION LEVEL PRESSURE	DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED	VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	AMOUNT	TYPE	BASE	MIDDLE CLOUD	HIGH CLOUD	LOW	MIDDLE	HIGH	DIRECTION	SPEED	ANEMOMETER WIND RUN	PRECIPITATION	MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°× 10	kt	VV	Oktas	ww	w	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°× 10	kt	St.miles	Points	°F	°F
10	00	9894	41	40	39	29	37	58	7	80	8	7	7	4			6								
	03	9919	41	38	36	29	31	74	8	02	2	8	8	4			6								
	06	9945	40	38	35	29	28	82	7	02	2	7	8	4			6								
	09	9959	42	36	25	29	24	84	7	02	2	7	8	5			6								
	12	9966	44	38	28	30	24	84	5	02	2	3	8	5	3		6								
	15	9969	43	37	28	27	19	84	5	02	2	5	8	5			6								
	18	9970	41	36	29	27	20	84	7	03	2	7	8	5			6								
	21	9972	40	37	32	27	21	74	7	25	2	7	8	5			6			25	55	903	0004	45	39
11	00	9967	38	37	34	26	12	66	7	89	8	7	8	5			5								
	03	9960	38	36	33	26	14	74	7	27	8	6	8	5	4		5	5							
	06	9970	38	37	35	29	11	74	8	83	8	8	8	5			6								
	09	9974	40	38	35	27	12	80	7	77	8	7	8	4			6								
	12	9980	40	38	36	29	18	82	7	83	8	7	3	5			5								
	15	9984	40	38	35	27	15	82	7	26	8	7	8	5			5								
	18	9993	39	37	34	28	09	82	6	15	2	6	8	5			5								
	21	10005	38	36	33	25	10	80	6	25	8	6	8	5			5			29	37	384	0010	42	34
12	00	10009	38	37	34	23	05	74	5	25	8	5	8	5			5								
	03	10014	37	36	34	26	10	74	6	25	8	6	8	5			5								
	06	10030	39	38	37	23	10	80	7	80	8	7	8	5			4								
	09	10049	42	41	38	24	04	82	6	80	8	6	1	5			4								
	12	10057	41	40	38	29	07	82	7	02	2	7	8	4			5								
	15	10058	43	40	37	32	05	82	7	02	2	6	8	4		8	6		5						
	18	10054	41	38	33	32	10	82	8	02	8	6	8	4	3		6	6							
	21	10044	41	38	33	33	13	82	8	03	2	6	5	6	3		7	6		34	31	168	0010	47	36
13	00	9999	43	41	39	34	23	74	8	60	6	6	5	5	7		7	6							
	03	9949	45	44	44	34	24	48	8	51	6	7	7	2			7								
	06	9936	45	44	44	32	18	66	8	50	5	8	7	2			7								
	09	9931	45	45	45	32	19	58	8	51	5	8	7	2			7								
	12	9921	44	44	43	32	17	74	6	02	6	8	7	4			7								
	15	9911	44	43	42	30	17	74	8	03	2	8	8	5			7								
	18	9907	41	41	41	28	18	74	8	80	2	8	8	4			6								
	21	9927	40	39	38	26	17	60	7	58	6	7	8	4			6			27	39	463	0010	46	39
14	00	9952	39	38	36	22	13	74	5	80	8	8	8	4			5								
	03	9983	38	36	33	24	14	80	6	80	8	6	8	4			5								
	06	9998	37	35	32	25	08	82	8	25	8	8	8	4			5								
	09	10016	39	36	31	25	04	82	8	02	8	8	8	4			5								
	12	10021	42	38	31	20	05	82	6	01	2	4	8	5	3		4	4							
	15	10039	41	38	33	20	06	80	7	15	2	7	8	5			4								
	18	10059	40	37	31	22	07	80	5	15	2	5	8	5			5								
	21	10083	40	36	30	20	05	82	6	02	2	6	8	5			5			22	36	391	0015	44	36
15	00	10078	40	38	32	27	12	82	3	01	1	3	5	6			5								
	03	10053	41	39	36	29	24	80	8	03	2	8	7	4			6								
	06	10008	42	42	42	30	28	66	8	63	6	8	7	4			6								
	09	10003	44	44	44	28	23	66	8	58	6	7	7	3	2		6								
	12	9975	44	44	44	29	25	60	8	51	6	8	6	2			6								
	15	9953	44	44	44	29	24	48	8	53	5	8	7	2			6								
	18	9949	43	41	41	28	30	74	8	50	5	8	4	4			5								
	21	9962	42	39	35	28	27	80	3	01	5	3	5	4			5			29	53	317	0013	45	39
16	00	9972	41	38	33	28	15	80	6	02	8	6	5	5			5								
	03	9982	41	37	33	27	12	80	3	02	8	2	5	5	3		5	5							
	06	9988	40	38	35	27	14	82	7	15	2	6	8	5	3		5	5							
	09	9991	41	39	37	28	20	82	7	02	2	6	8	5		1	5		5						
	12	9986	42	40	37	27	17	82	8	25	8	3	8	5	7	6	6	6	6						
	15	9968	41	39	36	27	16	82	8	15	8	8	8	5			6								
	18	9949	38	37	35	28	13	74	8	61	6	5	5	4	2		5								
	21	9938	39	38	36	28	14	74	8	25	8	8	5	5			5			27	43	472	0006	44	37
17	00	9934	38	36	33	28	15	74	6	25	8	6	8	5			5								
	03	9932	40	37	32	28	24	74	5	25	8	5	8	5			5								
	06	9936	40	38	35	28	22	80	5	15	8	4	2	5	3		5								
	09	9941	39	38	37	27	22	80	7	83	8	7	2	4			6								
	12	9941	40	39	39	28	26	80	5	26	8	5	9	4			6								
	15	9939	35	35	35	25	09	58	8	83	8	8	9	4			6								
	18	9935	36	35	33	29	11	80	7	26	8	7	2	4			6								
	21	9942	35	35	35	23	10	74	5	26	8	5	2	4			5			27	47	413	0017	42	33
18	00	9971	37	35	32	22	11	74	4	27	8	4	2	4			5								
	03	10006	38	37	34	22	10	80	4	27	8	4	2	4			5								
	06	10043	39	36	32	20	10	82	5	15	8	5	2	5			5								
	09	10062	40	34	22	24	07	82	8	02	2	8	2	5			5								
	12	10072	42	37	28	28	16	84	5	02	2	6	8	5	3	8	5	5	5						
	15	10069	40	39	37	29	19	82	8	60	6	8	8	4			6								
	18	10055	42	40	37	29	17	80	8	02	0	8	8	4			6								
	21	10047	41	40	38	29	18	80	8	80	2	8	8	4			6			29	31	321	0017	43	35

Results of Surface Observations,
MACQUARIE – Feb., 1961

LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10^{-1}	°F	°F	°F	° × 10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	° × 10	kt	St.miles	Points	°F	°F
19	00	10028	42	41	40	29	22	66	8	58	6	5	5	4	2		6								
	03	10004	42	42	42	30	21	60	8	61	6	7	7	3	2		6								
	06	9976	43	43	43	31	24	63	8	61	6	7	7	3			6								
	09	9954	44	44	44	32	26	63	8	61	6	8	7	3			6								
	12	9919	44	44	44	32	26	58	8	61	6	8	7	3			6								
	15	9874	45	45	45	32	22	56	8	63	6	8	7	3			6								
	18	9858	44	44	44	29	18	53	8	02	5	8	6	2			6								
	21	9862	44	43	42	28	20	66	7	20	5	7	7	3			5			32	37	516	0022	46	35
20	00	9867	40	37	32	27	23	74	8	02	2	8	8	4			6								
	03	9861	39	38	36	27	25	80	8	02	2	8	8	4			6								
	06	9851	40	38	35	28	19	82	7	25	2	8	8	4			6								
	09	9845	40	37	33	28	17	82	8	02	2	8	8	4			6								
	12	9832	32	32	32	27	10	02	8	85	8	8	2	1			6								
	15	9840	37	36	33	28	17	82	6	15	8	6	2	5			5								
	18	9871	39	36	31	20	16	82	7	25	8	7	2	5			4								
	21	9936	37	36	34	21	14	82	8	85	8	5	2	5			5			27	52	510	0060	42	31
21	00	9979	39	36	31	20	13	82	4	02	2	4	2	5			5								
	03	10010	38	36	33	20	12	82	3	02	2	3	2	5			5								
	06	10030	39	36	31	26	10	82	7	03	2	7	8	5			6								
	09	10034	42	38	32	27	20	82	7	02	2	7	8	5			6								
	12	10025	40	38	35	27	26	82	7	02	2	7	8	5			6								
	15	10016	40	39	37	28	23	82	7	02	2	5	8	5	3		6								
	18	10000	40	37	30	28	23	82	6	02	2	6	8	4			6			29	43	411	0002	43	39
	21	9986	40	35	25	28	27	82	6	03	2	6	8	4			6								
22	00	9960	40	36	30	29	25	80	8	03	2	8	8	4			6								
	03	9946	39	35	29	28	28	80	8	02	2	8	8	4			6								
	06	9946	38	36	33	28	23	66	8	77	8	8	8	4			5								
	09	9969	38	33	21	25	07	74	8	02	8	8	8	5			5								
	12	9978	39	34	23	25	05	80	7	02	2	7	8	5			5								
	15	9992	39	35	29	22	04	80	7	02	2	7	8	5			4								
	18	10002	38	35	30	20	04	82	8	02	2	8	8	5			5			27	47	545	0001	41	35
	21	10012	39	34	24	27	06	80	8	02	5	8	8	5											
23	00	10012	38	33	23	29	06	74	8	02	2	8	8	5			6								
	03	10008	36	35	31	32	01	74	8	02	8	8	8	5			6								
	06	10000	38	35	29	29	11	82	8	02	2	8	8	5			6								
	09	9995	39	34	24	29	12	82	8	02	2	8	5	6			6								
	12	9980	41	37	31	29	15	80	8	03	8	8	8	5			6								
	15	9985	40	36	29	27	16	82	8	02	8	8	8	5			6								
	18	9998	40	37	32	28	13	82	7	02	8	7	8	5			6			27	30	230	0000	42	34
	21	10023	40	36	29	25	04	80	8	02	2	8	8	5			6								
24	00	10032	40	36	29	27	04	80	8	02	2	8	5	5			6								
	03	10042	39	36	31	28	01	80	8	02	2	8	5	5			6								
	06	10051	39	36	31	00	00	82	8	02	2	8	5	6			7								
	09	10058	41	38	33	30	01	82	8	02	2	8	5	6			7								
	12	10055	43	39	34	31	04	82	8	02	2	8	8	6			7								
	15	10053	42	39	32	30	02	82	8	02	2	8	8	0			6								
	18	10056	41	37	31	28	03	82	8	02	2	8	5	7			6			27	10	219	0000	44	38
	21	10060	40	37	32	00	00	82	8	02	2	8	5	6			6								
25	00	10063	40	37	33	00	00	82	8	02	2	8	5	7			6								
	03	10065	39	37	33	00	00	82	7	02	2	7	5	7			6								
	06	10073	39	37	34	00	00	82	7	02	2	7	5	7			6								
	09	10086	42	40	37	00	00	82	8	02	2	8	5	5			6								
	12	10088	42	40	37	29	02	82	8	02	2	8	5	5			6								
	15	10086	42	41	39	29	03	82	8	03	2	8	5	4			5								
	18	10089	41	39	36	20	05	84	8	02	2	8	5	5			5			29	09	081	0000	44	38
	21	10100	40	40	39	20	02	82	8	20	2	7	5	4			5								
26	00	10113	40	39	37	18	02	82	8	02	2	8	5	4			5								
	03	10120	40	38	36	18	03	82	8	02	2	8	5	5			5								
	06	10142	40	38	35	20	01	82	8	02	2	8	5	6			5								
	09	10155	42	39	34	17	06	84	8	02	2	8	5	5			4								
	12	10165	41	39	36	16	02	84	8	02	2	8	5	5			4								
	15	10165	41	39	37	13	02	84	8	02	2	8	5	5			4								
	18	10168	40	38	35	00	00	84	8	02	2	8	5	5			0			27	08	106	0000	42	39
	21	10175	39	39	38	00	00	84	8	02	2	8	5	5			0								
27	00	10166	39	38	36	00	00	84	8	02	2	8	5	4			0								
	03	10157	40	38	36	33	04	84	8	02	2	8	5	5			7								
	06	10154	41	40	39	33	10	82	8	02	2	8	5	5			7								
	09	10149	43	42	42	31	15	82	7	03	1	7	5	5			7								
	12	10149	43	43	43	29	14	66	8	50	2	8	6	2			7								
	15	10157	43	42	40	29	09	82	7	03	2	7	5	5			6								
	18	10181	42	40	37	27	07	82	8	02	2	8	5	5			6								
	21	10212	41	39	36	25	04	82	3	02	2	3	5	5			5			27	27	150	0000	46	38

Results of Surface Observations,
MACQUARIE – Feb., 1961

LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	° × 10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	° × 10	kt	St. miles	Points	°F	°F
28	00	10226	41	39	36	20	03	82	6	02	2	6	5	5			5								
	03	10242	41	40	38	27	06	82	6	01	1	5	5	5	3		6	6							
	06	10257	42	40	39	29	09	84	7	03	2	7	5	5			6								
	09	10277	41	39	36	29	10	84	7	02	2	7	5	5			6								
	12	10283	43	42	41	32	10	84	8	02	2	8	5	5			6								
	15	10279	44	43	42	32	11	84	7	02	2	7	5	6			6								
	18	10275	43	42	41	32	16	84	8	02	2	8	5	6			6								
	21	10278	44	43	43	32	14	80	8	02	2	8	5	6			6			32	22	258	0000	45	40

Results of Surface Observations,
MACQUARIE – Mar., 1961

LOCAL STANDARD TIME			TEMPERATURES			SURFACE WIND						LOW CLOUD					DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST				EXTREME TEMPERATURES	
DAY	HOUR	STATION LEVEL PRESSURE	DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED	VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	AMOUNT	TYPE	BASE	MIDDLE CLOUD	HIGH CLOUD	LOW	MIDDLE	HIGH	DIRECTION	SPEED	ANEMOMETER WIND RUN	PRECIPITATION	MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
01	00	10273	45	44	43	33	15	80	8	02	2	8	5	6			6								
	03	10261	45	44	44	33	17	80	8	02	2	8	5	5			6								
	06	10254	44	44	44	34	14	80	8	03	2	8	8	4			6								
	09	10243	45	45	44	34	17	82	8	02	2	8	8	4			7								
	12	10231	45	44	43	34	16	80	8	02	2	8	5	4			7								
	15	10204	45	44	43	34	14	82	8	02	2	8	5	5			7								
	18	10172	44	44	43	34	14	82	8	02	2	8	5	5			7								
	21	10147	44	44	44	36	12	80	8	02	2	8	5	5			7			36	23	417	0000	47	43
02	00	10098	45	44	43	36	14	80	8	02	2	8	5	5			8								
	03	10060	46	45	43	35	18	74	8	03	2	8	7	4			8								
	06	10030	45	45	45	35	19	66	8	61	6	8	7	3			8								
	09	10033	45	45	45	34	11	60	8	51	5	8	6	2			7								
	12	10034	43	42	41	22	06	74	8	02	2	8	6	4	2		5	6							
	15	10036	43	41	38	22	02	80	8	02	2	5	5	5	1		6	7							
	18	10037	42	40	36	00	00	80	8	02	2	2	5	5	1		6	7							
	21	10032	40	39	36	00	00	80	8	02	2	8	5	6			6			34	27	480	0009	47	39
03	00	10017	39	39	38	00	00	66	8	60	6	4	5	5	1		6								
	03	10000	40	39	37	27	03	74	8	60	6	3	5	5	2		5								
	06	9999	40	38	36	25	08	80	7	01	2	4	8	5	1		5								
	09	10000	42	37	28	28	11	84	5	02	8	5	8	5			6								
	12	10013	43	38	31	28	08	84	5	15	8	5	2	5			5								
	15	10030	41	38	33	24	14	84	5	80	8	5	2	5			5								
	18	10060	37	36	33	23	10	82	6	83	8	6	3	5			5								
	21	10074	40	38	32	27	15	82	3	01	8	3	8	5			5			34	43	122	0004	44	36
04	00	10079	41	38	33	27	14	80	8	02	2	8	8	5			6								
	03	10071	42	39	34	32	18	82	2	01	1	2	5	5			6								
	06	10051	43	40	36	32	19	82	8	02	2	6	5	5			6								
	09	10027	44	43	41	34	22	80	8	60	2	3	5	4	1		7	7							
	12	9986	44	44	44	34	20	66	8	61	6	7	7	3	2		7								
	15	9924	45	44	43	34	26	66	8	21	6	8	7	4			7								
	18	9863	45	45	45	34	33	56	8	63	6	8	7	2			7								
	21	9859	44	43	43	32	23	66	7	02	6	4	5	4	7		7	7		34	43	333	0002	46	39
05	00	9847	44	43	41	32	23	74	7	25	8	7	8	5			7								
	03	9837	43	41	38	31	26	80	4	01	8	4	8	5			6								
	06	9835	42	40	37	31	29	80	5	25	8	5	8	5			6								
	09	9827	42	40	37	31	26	66	8	80	8	8	2	5			6								
	12	9820	42	41	38	31	27	80	7	15	8	6	8	5	5		6	6							
	15	9813	42	40	38	31	28	80	7	25	8	4	8	5	5		6	6							
	18	9812	41	40	40	30	26	74	8	80	8	8	8	4			6								
	21	9821	41	40	38	29	24	80	7	27	8	5	8	5	3		6	6		29	48	660	0018	45	38
06	00	9826	40	39	37	28	24	80	7	02	8	7	8	5			6								
	03	9837	39	38	37	28	21	80	8	25	8	8	8	5			6								
	06	9841	41	39	37	29	17	82	7	01	8	3	8	5			6								
	09	9845	41	40	39	30	15	80	8	80	8	8	8	5		8	7		6						
	12	9840	44	43	41	33	14	82	7	02	8	7	8	5			7								
	15	9833	44	44	44	02	09	82	7	80	8	7	8	4			7								
	18	9828	44	44	44	34	08	82	8	02	2	8	5	5			7								
	21	9827	44	43	43	32	09	66	8	51	2	8	6	4			7			29	34	548	0005	45	36
07	00	9824	42	41	40	29	15	66	8	03	5	8	8	4			7								
	03	9807	42	42	41	32	21	74	8	03	2	8	7	4			7								
	06	9780	43	43	42	34	18	66	8	61	6	8	7	4			7								
	09	9722	45	44	43	34	28	32	8	55	5	8	6	2			7								
	12	9713	45	42	39	32	28	74	7	02	8	7	2	5			7								
	15	9738	43	39	33	29	26	74	5	25	8	5	2	4			7								
	18	9775	41	38	33	29	24	80	5	27	8	5	2	5			6								
	21	9803	41	38	33	29	24	80	3	27	8	3	2	5			6			29	44	373	0010	47	38
08	00	9817	42	40	37	31	23	74	4	25	8	4	2	5			6								
	03	9826	37	37	37	29	19	66	5	80	8	5	2	4			6								
	06	9843	38	37	37	29	17	80	4	27	8	4	9	4			6								
	09	9858	41	39	37	29	22	80	5	15	8	5	9	4			6								
	12	9875	41	39	36	29	26	80	6	25	8	2	2	5			6								
	15	9890	40	39	38	29	21	80	6	25	8	6	2	5			6								
	18	9896	40	39	38	30	15	80	6	26	8	6	3	5			6								
	21	9896	40	39	38	30	17	80	3	02	8	3	2	5			6			27	43	591	0009	43	35
09	00	9893	40	39	38	30	18	82	2	25	8	2	2	5			6								
	03	9892	39	38	38	29	12	82	1	02	8	1	1	4			6								
	06	9892	38	37	35	29	09	80	6	25	8	6	3	5			6								
	09	9898	39	38	37	29	10	82	6	15	8	6	3	5			6								
	12	9900	41	39	36	29	12	82	5	15	2	5	2	5			6								
	15	9903	42	39	34	30	13	82	6	03	2	6	2	5			6								
	18	9911	39	38	36	31	13	80	6	80	8	6	2	4			6								
	21	9918	40	38	36	32	10	80	5	25	8	5	8	5			6			32	35	438	0013	43	35

Results of Surface Observations,
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LOCAL STANDARD TIME			TEMPERATURES			SURFACE WIND										DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST				EXTREME TEMPERATURES	
DAY	HOUR	STATION LEVEL PRESSURE	DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED	VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD AMOUNT	LOW CLOUD TYPE	LOW CLOUD BASE	MIDDLE CLOUD	HIGH CLOUD	LOW	MIDDLE	HIGH	DIRECTION	SPEED	ANEMOMETER WIND RUN	PRECIPITATION	MAXIMUM	MINIMUM
		inHg × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
10	00	9914	39	38	36	32	10	82	1	01	9	1	5	5			7								
	03	9901	41	40	39	34	13	82	2	02	1	2	5	5			7								
	06	9887	43	41	40	02	14	82	7	03	2	7	5	5			7								
	09	9860	44	42	39	36	13	82	8	02	2	5	5	5	1		7	7							
	12	9818	39	39	39	31	17	63	8	61	6	6	5	4	2		7								
	15	9817	41	41	40	34	09	80	8	21	6	7	5	4	1		7								
	18	9810	41	40	40	33	10	80	6	03	2	5	5	5	2		7	7							
	21	9800	40	39	38	02	03	82	7	25	8	6	8	5	3		7			36	37	328	0001	45	37
11	00	9795	40	39	38	31	05	74	7	80	2	7	8	5			7								
	03	9808	40	39	39	20	07	74	8	03	8	8	8	5			5								
	06	9832	39	38	37	20	06	82	6	02	8	6	8	5			5								
	09	9881	42	41	40	18	18	82	7	02	2	7	8	5			4								
	12	9932	42	42	41	18	24	82	8	25	2	8	8	5			4								
	15	9979	42	42	41	18	25	74	7	02	8	7	8	5			4								
	18	10028	40	39	38	18	25	80	7	02	2	7	4	4			4								
	21	10082	40	39	38	18	14	80	7	03	2	7	4	3			4			18	38	214	0024	44	35
12	00	10107	41	40	39	18	10	80	8	02	2	8	4	4			4								
	03	10127	40	39	39	20	07	80	8	02	2	8	4	4			4								
	06	10149	40	38	35	20	04	84	7	02	2	7	4	4			4								
	09	10159	42	39	33	27	11	82	6	02	1	6	5	4			5								
	12	10153	43	42	42	29	14	66	8	03	2	8	6	2			6								
	15	10149	43	43	43	28	14	61	8	51	2	8	6	2			6								
	18	10156	43	42	39	28	13	62	3	01	2	3	4	6			6								
	21	10153	43	42	40	29	20	74	7	03	1	7	5	5			6			29	35	376	0006	44	38
13	00	10157	42	40	37	28	21	66	7	03	2	7	5	5			6								
	03	10146	41	40	39	28	23	66	7	61	6	7	7	4			6								
	06	10140	42	40	39	29	22	82	6	01	6	4	8	5		4	6		6						
	09	10149	42	41	40	29	26	80	7	15	2	6	8	4		8	6		6						
	12	10145	45	43	40	30	24	82	7	02	2	7	8	5			6								
	15	10141	45	43	40	30	24	82	7	03	2	7	8	5			6								
	18	10147	44	43	42	30	22	80	6	02	2	6	8	4			6								
	21	10157	44	44	44	30	20	80	7	02	2	7	8	4			6			29	39	435	0002	46	39
14	00	10171	45	44	44	30	16	74	8	02	2	8	8	4			6								
	03	10175	44	43	42	29	13	80	6	02	2	6	8	4			6								
	06	10185	43	43	43	32	10	82	7	02	2	7	8	4			7								
	09	10183	45	44	41	33	14	82	5	02	2	5	8	4			7								
	12	10168	46	44	42	33	17	84	2	02	1	2	8	5			7								
	15	10147	45	44	43	34	12	82	8	03	2	8	5	5			7								
	18	10126	45	45	45	36	15	80	8	02	2	8	5	5			7								
	21	10113	46	45	45	36	16	80	8	02	2	8	5	5			7			29	26	470	0000	46	42
15	00	10088	45	45	45	35	13	48	8	51	5	8	6	2			8								
	03	10052	46	46	46	36	13	48	8	51	5	8	6	2			8								
	06	10017	46	46	46	02	21	61	8	51	5	8	6	2			8								
	09	9974	46	46	46	02	24	32	8	63	6	7	7	2			8								
	12	9954	46	46	45	32	18	66	1	01	6	1	5	3			7								
	15	9957	45	43	40	31	24	74	7	25	8	7	4	4			7								
	18	9980	43	42	41	31	28	74	7	15	8	7	8	4			7								
	21	10013	41	41	40	29	24	66	7	80	2	7	2	4			6			32	43	480	0014	47	40
16	00	10035	42	41	40	30	23	80	5	80	8	5	2	4			7								
	03	10047	43	42	41	31	21	82	4	01	8	1	1	5		1	7		6						
	06	10039	44	43	42	33	19	80	8	03	1	2	5	6		7	7		6						
	09	9983	45	45	45	34	28	61	8	63	6	8	7	4			7								
	12	9908	46	46	46	34	37	58	8	63	6	8	7	2			7								
	15	9860	46	46	45	33	31	66	8	21	6	3	7	4	2		7	7							
	18	9831	46	45	43	33	31	66	8	03	2	4	7	4	2		7	7							
	21	9810	45	43	40	32	32	66	3	01	2	3	4	4			7			32	61	634	0020	47	36
17	00	9792	43	42	40	31	37	58	8	60	6	6	5	5	2		7	7							
	03	9786	42	41	39	31	36	60	8	60	6	5	7	4	2		7	7							
	06	9791	42	42	41	29	37	48	8	61	6	7	7	4	2		6								
	09	9854	41	40	39	28	40	48	8	60	6	8	7	4			6								
	12	9908	39	39	39	28	40	66	6	21	6	6	7	4			6								
	15	9946	38	38	38	28	36	66	7	80	8	7	2	4			6								
	18	9991	39	39	39	28	30	66	8	27	8	8	2	4			6								
	21	10035	40	35	25	27	34	66	3	18	8	3	2	4			6			27	70	878	0034	44	36
18	00	10069	36	34	30	27	30	58	6	85	8	6	3	4			5								
	03	10091	40	36	29	27	29	80	4	26	8	4	2	4			5								
	06	10096	41	38	33	27	26	80	7	15	8	7	2	5			5								
	09	10111	42	38	30	27	27	80	6	02	8	6	2	5			5								
	12	10124	43	38	30	28	27	80	7	03	2	7	2	5			5								
	15	10134	42	37	28	28	21	80	6	03	2	5	1	5		4	5								
	18	10129	41	37	31	28	14	80	8	03	2	4	1	5	2		5	5							
	21	10122	42	39	35	28	09	80	7	02	2	2	1	5	2		6	5		27	65	727	0005	43	32

Results of Surface Observations,
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LOCAL STANDARD TIME			TEMPERATURES			SURFACE WIND											DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST				EXTREME TEMPERATURES	
DAY	HOUR	STATION LEVEL PRESSURE	DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED	VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD AMOUNT	LOW CLOUD TYPE	LOW CLOUD BASE	MIDDLE CLOUD	HIGH CLOUD	LOW	MIDDLE	HIGH	DIRECTION	SPEED	ANEMOMETER WIND RUN	PRECIPITATION	MAXIMUM	MINIMUM
		ub × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	w	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
19	00	10093	43	42	41	34	10	61	8	03	2	8	7	5			7								
	03	10033	38	38	38	36	18	58	8	63	6	8	7	4			7								
	06	9956	43	43	43	02	22	48	8	63	6	8	7	2			8								
	09	9885	46	46	46	34	21	16	8	51	5	8	6	2			8								
	12	9829	47	47	47	33	30	48	8	60	6	8	6	2			7								
	15	9857	46	44	41	32	23	80	1	02	1	1	1	4			7								
	18	9868	46	45	42	32	27	74	7	03	2	7	5	4	5	5	7	7	7						
	21	9870	46	44	41	32	33	66	7	03	2	7	7	4			7			32	46	457	0033	48	37
20	00	9888	45	44	43	32	24	66	7	03	1	7	7	4			7								
	03	9899	45	44	42	32	24	74	7	03	2	7	7	4			7								
	06	9902	45	45	45	32	20	66	8	51	2	8	6	3			7								
	09	9892	45	45	45	33	29	32	8	50	5	8	6	2			7								
	12	9876	46	46	46	33	30	48	8	50	5	8	6	2			7								
	15	9853	46	46	46	33	27	32	8	50	5	8	6	2			7								
	18	9810	46	46	46	33	30	48	8	50	6	8	6	2			7								
	21	9803	46	46	46	32	27	48	8	51	5	8	6	2			7			29	47	714	0009	47	44
21	00	9844	45	42	39	31	30	61	6	20	5	6	7	4			6								
	03	9899	43	41	38	29	26	66	6	03	8	6	8	4			6								
	06	9958	42	41	40	28	25	80	6	25	2	6	8	4			6								
	09	9997	44	42	39	29	19	80	7	02	2	7	8	5			6								
	12	10009	45	43	39	32	20	82	3	01	1	2	8	5	3		6	6							
	15	10008	46	44	41	33	19	82	2	02	1	1	2	5	3		6	6							
	18	9994	46	44	42	33	23	80	8	03	2	8	5	4			7								
	21	9982	46	45	45	33	23	66	8	51	2	8	7	4			7			29	47	707	0014	47	41
22	00	9978	46	45	45	32	23	48	8	51	5	8	6	3			7								
	03	9992	45	45	45	32	20	48	8	51	5	8	6	2			6								
	06	10005	45	45	45	32	13	80	7	01	5	7	6	4			6								
	09	10014	45	45	45	32	09	02	8	47	5	8	6	0											
	12	9996	45	45	45	33	12	66	8	50	4	8	6	2			7								
	15	9973	45	45	45	33	12	06	8	45	4	8	6	0											
	18	9955	45	45	45	33	20	32	8	50	4	8	6	2			7								
	21	9980	43	43	42	20	04	66	8	20	5	8	6	4			5			32	29	539	0001	46	42
23	00	9990	42	42	42	27	02	61	8	51	5	8	6	4											
	03	9980	42	42	42	00	00	58	8	63	5	8	0	4			4								
	06	9943	42	42	42	14	20	61	8	63	6	8	7	2			3								
	09	9929	38	38	38	17	26	66	8	63	6	8	7	4			4								
	12	9942	38	38	38	18	23	80	7	21	6	7	5	4			4								
	15	9980	42	39	34	19	06	84	1	01	1	1	1	4			5								
	18	9997	41	39	34	29	07	82	4	03	1	4	5	5			7								
	21	10000	41	41	40	33	15	80	5	25	1	5	8	4			7			18	34	281	0049	43	36
24	00	10001	42	40	39	31	14	80	6	02	2	6	8	5			7								
	03	9999	40	39	38	30	10	80	3	02	8	3	5	5			6								
	06	9994	41	40	38	32	16	82	3	15	1	3	8	5			7								
	09	9975	43	42	41	32	15	82	7	03	2	6	8	5		5	7		6						
	12	9919	43	43	43	34	23	61	8	61	6	8	7	4			7								
	15	9879	42	42	42	32	23	66	8	61	6	8	7	4			7								
	18	9862	42	41	40	29	15	66	8	21	6	8	7	4			7								
	21	9897	41	39	35	28	30	80	5	80	8	5	8	5			6			27	62	366	0017	45	36
25	00	9932	41	40	36	24	16	80	7	80	8	7	8	5			5								
	03	10001	39	38	35	24	16	80	4	80	8	8	8	5			5								
	06	10062	39	37	33	20	17	80	7	80	8	7	8	4			5								
	09	10104	40	39	38	23	08	80	7	80	2	7	8	4			5								
	12	10127	43	40	36	25	05	82	6	01	8	6	8	5			6								
	15	10130	41	40	38	28	14	82	8	03	2	8	8	5			7								
	18	10108	43	42	41	32	22	74	8	03	2	8	8	4			7								
	21	10077	44	44	44	32	25	74	8	50	5	8	6	2			7			22	50	519	0023	44	38
26	00	10053	44	44	44	32	23	66	8	50	5	8	6	3			7								
	03	10042	41	41	41	28	23	80	8	20	5	8	5	5			6								
	06	10051	41	39	35	28	31	80	7	02	2	7	5	5			6								
	09	10059	42	38	32	28	30	80	7	03	2	7	5	5			6								
	12	10073	41	38	33	29	26	80	7	03	2	7	8	4			6								
	15	10093	40	37	32	25	21	80	7	15	8	7	8	4			5								
	18	10122	40	37	31	25	18	74	8	03	2	8	2	4			5								
	21	10147	40	37	32	25	15	80	7	02	2	7	8	4			5			29	69	511	0005	45	36
27	00	10158	39	36	31	25	12	80	7	02	2	7	8	5			5								
	03	10164	39	37	35	26	15	80	2	01	1	2	5	5			5								
	06	10168	39	37	33	28	17	80	8	02	2	8	5	5			5								
	09	10171	40	38	35	28	13	80	8	02	2	8	8	5			6								
	12	10149	43	42	39	28	18	80	7	03	2	4	8	5			7								
	15	10103	43	43	43	32	14	48	8	51	6	8	6	1			7								
	18	10063	45	45	45	30	19	13	8	51	5	8	6	0			7								
	21	10019	45	45	44	31	24	56	8	50	5	8	6	3			7			32	39	444	0000	46	37

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LOCAL STANDARD TIME			TEMPERATURES			SURFACE WIND							LOW CLOUD						DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST				EXTREME TEMPERATURES	
DAY	HOUR	STATION LEVEL PRESSURE	DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED	VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	AMOUNT	TYPE	BASE	MIDDLE CLOUD	HIGH CLOUD	LOW	MIDDLE	HIGH	DIRECTION	SPEED	ANEMOMETER WIND RUN	PRECIPITATION	MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
28	00	9975	45	45	45	30	29	32	8	61	6	7	7	2	2		6								
	03	9980	42	40	38	28	26	74	8	02	6	8	8	4			6								
	06	9985	40	39	37	28	28	82	6	02	8	6	8	4			5								
	09	9993	38	38	38	28	33	80	7	25	8	7	2	4			6								
	12	10004	42	40	36	28	25	80	6	15	8	6	8	4			6								
	15	10028	39	36	31	25	13	80	7	02	2	7	8	5			5								
	18	10048	37	36	34	27	17	80	7	85	2	7	8	5			5								
	21	10061	38	36	33	27	14	80	7	02	2	7	8	5			5			29	59	558	0006	45	36
29	00	10055	38	36	34	27	20	80	7	25	8	7	8	5			5								
	03	10058	37	36	34	27	19	80	7	83	8	7	8	5			5								
	06	10044	39	37	33	28	22	80	7	80	8	7	8	5			6								
	09	10031	40	40	39	28	17	80	8	80	2	7	8	5	1		6	6							
	12	10008	42	41	41	29	14	80	8	02	8	8	5	4			6								
	15	10003	41	40	39	29	15	80	7	50	5	7	8	5			5								
	18	10026	40	38	35	28	15	80	7	15	2	7	8	5			5								
	21	10046	39	39	39	27	15	74	6	25	8	6	2	5			6			27	45	461	0001	43	35
30	00	10042	40	39	39	28	20	74	7	80	8	7	8	5			6								
	03	10035	39	39	39	28	17	74	6	80	8	5	8	5		1	6								
	06	10029	39	39	39	28	21	80	7	25	8	5	8	4		5	6								
	09	10021	41	40	39	29	16	80	7	02	2	7	8	5			6								
	12	9999	41	41	40	31	17	80	8	50	2	8	5	4			6								
	15	9964	43	43	43	32	11	12	8	50	2	8	6	1			7								
	18	9915	44	44	44	33	18	56	8	61	6	8	6	2			7								
	21	9843	45	45	45	34	20	16	8	63	6	8	7	2			7			34	31	419	0003	46	37
31	00	9753	46	46	46	33	22	32	8	61	6	8	7	3			7								
	03	9712	44	44	44	32	05	32	8	61	6	8	7	2			7								
	06	9680	43	43	43	15	05	58	8	63	6	8	0	3	2			3							
	09	9645	38	37	36	19	12	58	8	63	6	8	5	4			4								
	12	9627	37	35	32	22	11	66	8	60	6	6	5	4	2		4								
	15	9632	37	34	29	29	15	80	7	02	2	7	8	4			5								
	18	9637	35	33	29	26	03	82	4	02	2	4	1	5			6								
	21	9626	34	34	33	29	05	80	6	85	2	6	8	5			7			27	28	423	0093	46	33

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LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	w	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
01	00	9624	34	33	32	27	10	80	6	26	8	6	8	5			7								
	03	9649	33	33	33	18	23	74	8	86	8	8	8	4			4								
	06	9694	35	34	31	19	18	66	7	85	8	7	8	4			4								
	09	9745	36	33	27	20	14	82	7	02	8	7	8	4			4								
	12	9776	35	32	25	20	13	82	5	26	8	4	3	4		4	4		4						
	15	9810	32	32	32	20	17	80	6	85	8	6	3	4			4								
	18	9841	31	30	28	22	18	48	7	86	8	7	3	4			4								
	21	9859	32	32	32	25	19	58	7	86	8	7	3	4			4			24	49	326	0044	38	30
02	00	9910	37	35	33	20	19	74	5	84	8	5	2	4			4								
	03	9965	37	34	29	20	12	80	8	84	8	8	8	4			5								
	06	9990	36	34	28	25	10	80	8	02	8	8	8	4			5								
	09	10013	37	33	27	29	17	80	7	02	2	4	1	4	3	8	6	5	5						
	12	10030	39	36	31	28	23	80	7	02	2	4	1	4	3		6	5							
	15	10045	39	36	30	28	25	80	8	80	2	8	8	4			6								
	18	10058	39	37	33	28	23	80	7	03	8	6	8	4	3		6	5							
	21	10081	39	37	34	29	18	80	7	80	8	5	8	4	3		6	5		28	40	399	0042	41	34
03	00	10088	39	37	34	27	18	80	7	03	2	6	8	4	3		6	5							
	03	10093	40	40	40	29	17	74	8	03	2	8	6	3			6								
	06	10099	41	40	39	29	16	80	7	01	2	5	5	4	3		6	6							
	09	10101	42	41	40	29	20	80	8	03	2	8	8	4			6								
	12	10093	42	42	41	29	17	80	8	02	2	8	8	4			6								
	15	10088	43	43	43	32	18	74	8	50	2	8	6	3			6								
	18	10086	44	44	44	32	18	74	8	50	2	8	6	3			6								
	21	10101	44	44	44	30	15	58	8	02	2	8	6	2			6			30	27	436	0001	44	38
04	00	10105	44	44	44	31	14	32	8	20	5	8	6	1			7								
	03	10107	44	44	44	31	17	16	8	20	5	8	6	1			7								
	06	10117	44	44	44	31	15	06	8	45	4	8	6	0			7								
	09	10115	44	44	44	33	19	61	8	02	4	8	6	3			7								
	12	10083	46	45	44	34	20	74	8	02	2	8	5	4			7								
	15	10047	46	46	46	34	22	16	8	02	2	8	6	2			7								
	18	10012	46	46	46	34	24	16	8	50	5	8	6	2			7								
	21	9979	47	47	47	34	33	48	8	20	5	8	6	2			7			34	43	430	0001	48	42
05	00	9990	47	47	47	32	20	16	5	51	5	8	6	1			7								
	03	9990	46	46	46	32	19	16	5	51	5	8	6	1			7								
	06	10014	45	45	45	33	18	58	5	51	5	8	6	1			7								
	09	10058	45	44	43	28	17	74	2	02	2	8	5	4			6								
	12	10107	41	40	38	28	15	80	2	02	2	7	5	4			6								
	15	10143	43	40	38	28	17	82	2	02	2	5	5	5			6								
	18	10160	42	41	40	30	17	82	1	02	1	1	5	5			6								
	21	10182	43	42	41	32	18	80	2	03	0	1	5	5		4	6		6	31	30	603	0005	47	39
06	00	10187	44	42	39	31	21	74	8	03	1	8	5	5			6								
	03	10188	44	43	42	32	17	74	8	02	2	8	5	5			6								
	06	10188	44	43	42	33	18	80	8	02	2	8	5	5			6								
	09	10192	45	44	43	32	21	80	8	02	2	8	5	5			6								
	12	10184	45	44	43	33	26	74	8	02	2	8	5	5			7								
	15	10168	45	44	44	33	20	80	7	01	2	1	5	5	3	1	7	7	7						
	18	10158	44	44	43	33	21	80	7	03	2	3	5	7	3	6	7	7							
	21	10147	45	44	43	33	28	80	6	03	2	6	5	6			7			34	35	403	0000	45	43
07	00	10132	45	44	43	34	26	80	8	02	2	8	5	5			7								
	03	10112	45	45	44	34	24	80	8	02	2	8	5	4			7								
	06	10091	45	45	45	34	23	66	8	03	5	8	6	3			7								
	09	10073	45	45	45	34	23	32	8	58	5	8	6	2			8								
	12	10066	45	45	45	32	14	08	8	53	5	8	6	0			7								
	15	10076	43	43	43	28	12	66	6	01	5	8	6	2			7								
	18	10112	41	41	41	19	07	58	8	51	2	8	6	4			4								
	21	10146	38	37	35	22	04	66	8	02	5	8	6	4			5			34	33	565	0001	46	37
08	00	10168	39	37	34	22	04	80	5	02	2	5	8	5			5								
	03	10184	39	38	37	29	08	80	6	02	2	6	8	5			6								
	06	10203	39	36	32	27	07	82	1	02	1	1	5	5			6								
	09	10210	41	39	36	31	12	84	1	02	1	1	5	5			6								
	12	10209	43	41	39	31	20	84	7	03	2	7	5	5			7								
	15	10202	43	42	41	31	21	84	6	03	1	3	5	5		4	6		5						
	18	10194	43	43	43	32	23	80	7	03	2	7	5	5			6								
	21	10192	43	43	43	31	23	82	1	01	2	1	5	4			7			29	37	185	0005	44	37
09	00	10188	44	43	42	30	20	82	7	03	1	7	5	6			6								
	03	10198	44	43	43	29	20	80	8	02	2	8	5	5			6								
	06	10205	44	43	43	28	23	74	8	02	2	7	5	4	1		6								
	09	10220	44	44	44	29	15	66	8	02	2	8	6	3			6								
	12	10230	46	46	46	29	17	82	6	03	2	3	8	4	4	1	6		5						
	15	10235	46	45	44	29	18	82	6	03	2	1	1	4	4		6								
	18	10248	43	43	43	30	12	80	2	01	1	2	8	4			6								
	21	10258	43	43	43	30	12	80	1	02	0	1	1	4			6			29	29	439	0000	47	42

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LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
10	00	10255	43	43	43	32	11	80	7	03	2	7	5	6			6								
	03	10247	43	43	43	33	16	74	8	20	5	8	5	5			6								
	06	10238	44	43	42	31	21	80	8	02	2	8	5	5			7								
	09	10232	43	42	41	33	19	80	8	02	5	8	5	5			7								
	12	10215	44	43	42	33	19	80	8	03	2	8	8	4			7								
	15	10195	44	43	42	33	24	80	8	60	2	8	8	4			7								
	18	10183	44	43	42	33	23	80	8	03	2	8	8	4			7								
	21	10171	44	43	42	33	22	66	8	50	5	8	5	5			7			33	30	355	0001	45	41
11	00	10156	44	43	42	33	21	74	8	02	2	7	5	5	1		7								
	03	10138	44	43	42	33	21	80	8	02	2	8	5	5			7								
	06	10118	44	43	43	34	21	80	8	02	2	8	5	5			7								
	09	10100	45	44	43	34	21	80	7	01	2	0	0	9	7			7							
	12	10071	45	45	45	34	22	74	8	03	2	8	6	4			8								
	15	10041	45	45	45	34	23	60	8	10	2	8	6	3			8								
	18	10007	45	45	45	35	19	63	8	02	2	8	6	3			8								
	21	9976	45	45	45	35	21	32	8	51	5	8	6	2			8			34	31	503	0001	46	43
12	00	9931	45	45	45	35	20	48	8	50	5	8	6	2			8								
	03	9890	46	46	46	35	20	32	8	51	6	8	6	1			8								
	06	9860	46	46	46	33	23	32	8	20	5	8	6	1			8								
	09	9856	45	45	45	33	20	32	8	50	5	8	6	2			7								
	12	9841	45	45	45	33	25	32	8	50	5	8	6	2			7								
	15	9854	43	40	36	32	35	74	7	25	8	7	6	4			7								
	18	9873	42	40	38	32	37	66	7	25	8	7	8	4			7								
	21	9891	42	39	35	32	36	61	7	25	8	7	8	4			7			32	59	537	0009	47	39
13	00	9904	41	39	36	32	37	66	5	25	8	5	8	4			7								
	03	9921	40	38	35	32	38	66	5	27	8	5	8	4			7								
	06	9958	39	37	32	29	30	80	6	03	2	6	2	5			6								
	09	10002	40	38	35	28	24	80	7	87	2	5	3	4		1	6		6						
	12	10026	39	37	34	28	18	82	5	15	2	5	2	4			6								
	15	10054	37	35	32	23	07	82	8	25	8	8	8	5			5								
	18	10086	37	34	30	23	05	80	8	02	2	8	8	5			5								
	21	10124	37	34	30	23	03	80	8	02	2	8	5	6			5			31	50	762	0001	41	35
14	00	10127	36	33	28	20	05	80	7	02	2	7	5	5			4								
	03	10148	35	32	27	20	05	80	8	02	2	8	5	5			4								
	06	10161	36	33	27	14	07	80	8	02	2	8	5	5			3								
	09	10167	37	34	29	14	14	82	8	02	2	8	5	6			3								
	12	10167	38	35	31	14	15	82	6	02	2	6	5	6			3								
	15	10166	37	35	32	13	19	82	7	02	2	7	5	6			3								
	18	10159	36	35	31	13	23	82	5	02	2	5	5	6			3								
	21	10165	36	35	33	11	19	82	7	02	2	7	5	6			2			14	29	156	0000	38	34
15	00	10145	38	37	35	12	21	80	8	02	2	8	5	5			2								
	03	10116	40	39	38	13	23	80	8	02	2	8	5	5			2								
	06	10088	41	40	39	13	21	80	8	02	2	8	5	5			2								
	09	10075	39	39	39	12	19	66	8	61	6	5	5	4			2								
	12	10050	39	39	39	14	22	66	8	61	6	8	5	4	2		3								
	15	10032	41	41	40	14	23	80	8	02	6	8	5	5			3								
	18	10033	42	41	40	14	23	80	7	02	2	8	5	4			3								
	21	10034	41	41	40	15	28	80	8	02	2	8	5	4			3			16	36	358	0018	42	37
16	00	10030	41	40	39	16	29	80	6	01	2	6	5	5			3								
	03	10031	40	39	38	16	26	80	8	02	2	8	5	4			3								
	06	10033	38	38	37	16	24	80	8	02	2	8	5	4			3								
	09	10033	37	36	34	16	25	82	8	02	2	8	5	4			3								
	12	10049	37	36	34	15	19	82	8	02	2	8	5	4			3								
	15	10044	37	36	34	17	19	82	7	02	2	7	5	5			4								
	18	10057	37	35	34	17	12	80	8	02	2	8	5	4			4								
	21	10057	36	35	33	20	05	82	5	02	2	5	5	5			4			16	34	414	0003	41	34
17	00	10060	35	34	32	22	02	82	7	03	2	7	5	4			4								
	03	10051	37	36	34	29	12	80	8	02	2	7	5	4			6								
	06	10029	40	39	38	28	17	80	8	02	2	7	5	4			6								
	09	10024	41	39	38	29	25	80	7	02	2	7	5	4		8	6		6						
	12	10026	41	38	33	27	14	82	6	25	8	7	5	4			6								
	15	10035	39	35	27	28	23	80	7	25	8	7	5	4		8	6		6						
	18	10048	38	36	33	28	23	80	2	01	8	2	4	4			5								
	21	10063	37	35	32	25	19	80	3	26	8	3	2	4			6			29	46	252	0000	42	34
18	00	10083	37	35	32	26	16	80	4	26	8	4	2	5			6								
	03	10092	37	35	32	28	21	74	7	80	8	7	8	4			6								
	06	10095	39	38	37	27	17	63	8	50	8	8	4	4			6								
	09	10094	41	39	36	27	19	80	8	15	8	5	8	4	1		6	6	6						
	12	10091	41	39	37	27	22	80	7	15	5	8	5	4	7		6	6							
	15	10091	40	39	37	28	23	80	7	02	8	2	5	4	3		6								
	18	10101	41	41	40	28	18	80	8	03	2	2	5	4			5								
	21	10099	42	41	39	28	17	80	8	02	2	8	5	4			6			28	43	376	0002	43	36

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LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°× 10	kt	VV	Oktas	ww	w	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°× 10	kt	St.miles	Points	°F	°F
19	00	10097	43	43	43	28	28	66	8	20	5	8	7	4			6								
	03	10093	43	43	43	29	27	58	8	51	5	8	7	4			6								
	06	10093	43	43	43	28	26	61	8	20	5	8	7	3			6								
	09	10102	43	43	43	28	26	48	8	02	5	8	6	3			6								
	12	10104	43	43	43	29	25	48	8	50	5	8	6	3			6								
	15	10103	44	43	42	28	23	74	7	01	6	8	8	4		8	6								
	18	10106	45	43	42	28	23	74	7	02	2	7	8	5			6								
	21	10114	44	44	43	28	23	74	8	20	2	8	8	4			6			28	40	487	0002	45	42
20	00	10116	44	43	43	29	19	74	7	02	2	7	8	4			6								
	03	10111	43	43	43	29	22	74	8	02	2	8	8	5			6								
	06	10111	44	43	43	29	23	80	8	03	2	8	8	4			6								
	09	10112	44	44	44	29	23	66	8	02	2	8	8	4			6								
	12	10102	44	44	44	29	23	74	8	02	2	8	8	4			6								
	15	10090	45	44	44	30	23	66	8	02	2	8	8	3			6								
	18	10082	45	44	44	30	23	74	7	03	2	7	7	3			6								
	21	10073	45	45	44	30	26	58	6	02	2	8	7	2			6			29	36	508	0001	45	43
21	00	10056	45	45	45	30	23	48	8	50	5	8	6	2			6								
	03	10034	45	45	45	30	23	48	8	02	2	8	6	2			6								
	06	10014	45	45	45	30	23	58	8	02	2	8	6	2			6								
	09	9997	45	45	45	30	25	48	8	02	2	8	6	2			7								
	12	9983	44	44	44	31	23	32	8	50	5	8	6	2			7								
	15	9987	42	42	42	27	20	63	8	58	5	8	5	3			6								
	18	10026	39	38	36	26	05	66	7	01	2	8	5	4	3		5	5							
	21	10047	39	37	34	24	14	80	3	02	1	3	5	5			6			27	37	591	0000	45	37
22	00	10068	38	35	31	27	19	80	1	02	1	1	5	5			6								
	03	10081	39	36	32	27	19	80	5	85	1	5	2	4			5								
	06	10107	38	35	30	25	07	80	6	03	1	6	8	5			5								
	09	10124	39	35	26	27	09	84	7	02	2	4	5	5		1	6		5						
	12	10124	40	36	29	30	09	84	7	03	2	2	5	5	5	1	6	6	6						
	15	10107	40	37	32	34	10	84	7	03	2	1	5	5	2		7	6	7						
	18	10087	41	39	34	34	16	66	8	03	2	0	5	4	2		8			27	38	467	0002	43	37
	21	10052	40	39	38	01	10	58	8	61	2	7	7	4											
23	00	10004	43	42	42	13	03	48	8	58	6	8	6	1			4								
	03	9988	43	43	43	29	09	48	8	61	6	8	7	1			6								
	06	9987	44	43	43	31	09	32	8	02	6	8	6	1			6								
	09	9995	44	44	44	29	02	06	8	45	4	8	6	0											
	12	9977	45	45	45	33	17	06	8	51	4	8	6	0			7								
	15	9972	44	44	44	32	19	48	8	51	4	8	6	2			6								
	18	9982	43	43	43	30	22	66	8	50	5	8	6	2			7								
	21	9981	42	42	42	32	16	16	8	50	5	8	6	2			7			29	30	237	0050	45	41
24	00	9964	42	42	42	32	09	03	8	47	4	8	6	0			7								
	03	9954	43	43	43	32	14	04	8	45	4	8	6	0			7								
	06	9931	43	43	43	33	14	03	8	47	4	8	6	0			7								
	09	9918	44	44	44	34	13	06	8	45	4	8	6	0			7								
	12	9895	44	44	44	34	15	06	8	45	4	8	6	0			7								
	15	9878	44	44	44	34	14	04	8	47	4	8	6	0			7								
	18	9869	44	44	44	33	15	32	8	51	6	8	6	3			7								
	21	9856	44	44	44	34	10	08	8	47	6	8	6	0			7			34	21	384	0001	45	41
25	00	9831	42	42	42	29	12	16	8	51	6	8	6	1			7								
	03	9825	40	39	38	29	10	66	5	01	2	5	5	5			6								
	06	9814	36	36	36	19	09	63	8	68	2	8	6	4			4								
	09	9848	36	35	33	22	18	63	8	68	2	8	7	4		2	5								
	12	9896	40	36	30	27	24	82	3	01	6	3	2	5			5								
	15	9917	40	38	35	29	16	84	2	15	1	3	2	5			6								
	18	9941	39	38	37	29	18	82	4	88	8	4	3	5			6								
	21	9958	40	38	35	29	17	80	4	03	8	4	2	5			6			27	41	273	0046	43	33
26	00	9958	41	39	37	30	23	80	4	25	1	4	3	5			6								
	03	9967	39	39	39	32	16	80	4	03	1	4	2	5			6								
	06	9969	39	39	38	32	19	80	6	25	1	6	8	5			6								
	09	9969	41	39	36	30	17	80	7	02	2	3	2	5			7								
	12	9946	41	41	39	32	23	80	7	25	2	7	8	5		6	7		6						
	15	9916	42	42	42	32	17	66	8	03	2	8	8	4			7								
	18	9882	42	42	42	33	11	74	8	01	2	8	8	4			7								
	21	9835	40	40	40	02	02	63	8	61	6	8	7	3			8			31	37	431	0007	43	37
27	00	9781	39	39	39	20	23	60	8	61	6	8	7	3			5								
	03	9827	39	38	36	23	10	80	8	01	6	8	8	5			5								
	06	9873	37	35	33	23	14	80	5	25	8	8	8	4			5								
	09	9910	35	33	30	25	17	32	7	85	8	5	3	4			6								
	12	9925	38	35	30	28	18	80	7	01	8	7	5	4			5								
	15	9917	39	39	38	29	24	80	8	80	8	1	8	4	7		6								
	18	9907	41	41	40	28	30	66	8	80	8	7	8	4	0		6								
	21	9933	40	39	39	27	25	80	7	80	8	7	8	5			6			27	48	358	0050	41	31

Results of Surface Observations,
MACQUARIE – Apr., 1961

LOCAL STANDARD TIME			TEMPERATURES			SURFACE WIND																		EXTREME TEMPERATURES	
DAY	HOUR	STATION LEVEL PRESSURE	DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED	VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD AMOUNT	LOW CLOUD TYPE	LOW CLOUD BASE	MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT LOW	DIRECTION OF CLOUD MOVEMENT MIDDLE	DIRECTION OF CLOUD MOVEMENT HIGH	MAXIMUM WIND GUST DIRECTION	MAXIMUM WIND GUST SPEED	ANEMOMETER WIND RUN	PRECIPITATION	MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
28	00	9965	39	38	36	27	19	80	6	80	8	6	8	5			6								
	03	9995	39	38	37	27	16	80	4	80	8	4	2	5			5								
	06	10019	39	38	36	23	09	80	7	25	8	7	8	5			5								
	09	10048	39	39	38	27	17	82	6	02	2	5	2	5	3		6	5							
	12	10052	41	41	40	28	18	58	8	50	5	8	4	4			6								
	15	10052	43	43	43	29	15	58	8	51	5	8	6	2			6								
	18	10052	43	42	42	30	17	66	8	02	5	8	5	4			6								
	21	10045	43	42	42	31	23	60	8	02	2	8	6	2			7			27	40	399	0011	44	37
29	00	10024	43	43	43	31	22	63	8	02	2	8	6	2			7								
	03	10013	44	44	44	32	22	63	8	02	2	8	6	2			7								
	06	9998	44	44	44	32	23	66	8	02	2	8	6	3			7								
	09	9995	44	44	44	32	23	85	8	58	5	8	7	2			7								
	12	10006	43	43	43	27	09	66	8	02	5	8	6	2			6								
	15	10036	40	38	35	23	08	80	7	02	2	5	5	5	3	6	5	6	6						
	18	10064	39	37	33	27	13	80	8	02	2	8	5	5			6								
	21	10085	39	37	33	28	10	80	8	02	2	8	5	6			6			31	34	531	0003	45	38
30	00	10091	40	37	32	28	13	80	8	02	2	8	5	5			6								
	03	10103	39	36	31	28	12	80	8	02	2	8	5	5			6								
	06	10103	40	38	35	30	14	80	8	25	8	8	8	5			6								
	09	10110	42	41	40	32	14	80	7	03	2	7	8	5			6								
	12	10098	44	43	43	32	15	84	6	03	2	3	8	5	4	4	6	6	6						
	15	10085	43	43	42	33	14	84	1	02	1	0	0	9	4		7	7							
	18	10067	42	42	42	34	21	66	8	51	2	8	6	3			7								
	21	10041	42	42	42	35	17	66	8	03	2	8	6	4			8			35	26	282	0001	45	38

Results of Surface Observations,
MACQUARIE – May, 1961

LOCAL STANDARD TIME			TEMPERATURES			SURFACE WIND											DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST				EXTREME TEMPERATURES	
DAY	HOUR	STATION LEVEL PRESSURE	DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED	VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD AMOUNT	LOW CLOUD TYPE	LOW CLOUD BASE	MIDDLE CLOUD	HIGH CLOUD	LOW	MIDDLE	HIGH	DIRECTION	SPEED	ANEMOMETER WIND RUN	PRECIPITATION	MAXIMUM	MINIMUM
		iib × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
01	00	10004	42	42	42	36	10	15	8	03	2	8	6	4			8								
	03	9952	43	43	43	35	09	15	8	51	5	8	6	0			7								
	06	9959	38	38	38	28	22	48	8	63	6	8	7	3			6								
	09	9985	40	37	32	28	23	82	5	02	8	5	1	5			6								
	12	10003	41	38	33	29	18	82	5	02	8	5	1	5			6								
	15	10003	42	39	34	30	23	82	5	02	8	5	1	5			6								
	18	9985	43	41	38	33	23	80	6	01	1	5	0	9	3	6	7	7	7	28	42	417	0019	45	38
	21	9936	43	43	43	34	30	48	8	63	5	8	0	2			7								
02	00	9928	45	44	44	32	24	66	8	03	6	8	8	4			7								
	03	9934	44	44	44	32	19	74	4	01	2	4	8	4			7								
	06	9924	44	44	44	34	16	74	8	03	1	8	5	4			7								
	09	9905	45	44	43	33	23	66	8	02	2	5	5	3	1		7	7							
	12	9890	45	44	43	33	24	63	8	02	2	5	7	4	1		7								
	15	9884	44	42	39	31	28	74	4	01	2	2	5	4		5	7		7						
	18	9893	44	42	39	32	27	74	3	02	1	3	8	4			7			31	43	544	0007	45	40
	21	9915	42	41	40	32	25	80	7	25	2	7	8	4											
03	00	9936	42	41	40	32	24	80	6	02	8	6	2	5			7								
	03	9949	39	39	38	31	16	80	4	25	8	4	8	5			6								
	06	9968	39	38	36	29	12	80	7	03	8	7	5	5			6								
	09	9982	40	38	34	29	15	82	5	02	2	5	8	5			6								
	12	9997	36	36	35	27	14	80	5	15	8	5	8	4			6	6							
	15	10014	37	34	29	27	14	80	5	25	8	4	3	4	4		6								
	18	10023	37	35	32	29	15	80	5	01	2	5	4	5			6			31	37	559	0004	43	34
	21	10029	39	37	34	31	21	80	2	02	1	2	2	5			6								
04	00	10014	40	38	35	31	27	80	2	02	1	1	2	5		1	6								
	03	10002	41	39	37	32	26	80	5	80	8	5	5	5			6								
	06	9997	42	41	40	32	22	80	7	03	2	7	1	5			6								
	09	9994	42	41	41	32	19	80	7	03	2	1	1	5	7	6	7								
	12	9988	43	42	42	32	19	80	7	03	2	2	7	4			7								
	15	9988	43	43	42	32	12	80	8	03	2	5	8	4			7								
	18	10012	38	38	38	18	10	74	8	03	2	8	8	4			4			32	41	508	0002	43	35
	21	10027	37	36	34	27	03	82	0	02	0	0	0	4	0	0									
05	00	10047	39	36	31	28	08	82	5	02	2	5	5	6			5								
	03	10068	39	38	37	27	12	80	7	25	8	7	8	4			6								
	06	10091	37	36	34	23	06	80	7	02	8	7	8	5			5								
	09	10119	38	36	33	25	07	82	8	02	2	8	8	4			5								
	12	10136	38	37	37	25	06	82	7	25	2	7	8	5			5								
	15	10146	38	37	36	27	09	82	7	02	2	7	8	5			5								
	18	10159	38	36	34	27	07	80	5	02	2	5	5	6			5			27	23	256	0002	40	36
	21	10165	37	37	37	30	07	74	7	80	8	7	8	4			6								
06	00	10157	38	37	36	31	13	74	7	02	2	6	8	4	3		7	7							
	03	10145	39	38	37	31	17	74	8	02	2	8	5	5			7								
	06	10130	39	39	38	31	16	80	7	02	2	7	5	5			7	7							
	09	10128	41	40	39	32	18	82	8	03	2	3	8	4	2		7								
	12	10113	42	42	42	32	14	56	8	51	2	2	8	3			7								
	15	10132	40	39	39	20	09	74	8	60	2	5	7	4			5								
	18	10161	39	38	35	20	09	80	7	01	5	6	7	5			4			32	26	272	0000	43	35
	21	10183	39	38	36	20	09	80	7	03	1	7	8	5											
07	00	10193	38	36	33	20	02	80	7	02	2	7	8	5			4								
	03	10199	36	35	33	19	02	80	6	02	1	6	5	6			4								
	06	10204	37	35	33	17	02	80	8	03	2	8	5	5			4								
	09	10205	38	35	31	00	00	80	7	02	2	7	5	6			0								
	12	10194	38	33	25	31	02	80	8	02	2	8	5	6			0								
	15	10178	37	33	25	35	04	82	7	02	2	7	5	6			8								
	18	10168	37	33	27	36	07	80	7	02	2	7	5	5			8			34	22	169	0003	40	35
	21	10148	38	35	30	35	16	80	8	02	2	8	5	5			8								
08	00	10122	40	37	32	34	14	74	8	02	2	8	5	5			8								
	03	10098	41	39	36	34	13	80	8	02	2	8	5	5			8								
	06	10081	41	40	38	34	11	80	8	03	2	8	5	5			8								
	09	10064	42	41	40	34	14	80	7	02	2	6	8	4		6	7								
	12	10043	43	42	42	35	17	58	8	50	2	8	5	2			8								
	15	10024	43	43	42	35	17	32	8	50	5	8	6	2			8								
	18	10011	43	43	43	35	18	32	8	50	5	8	6	2			8			35	31	265	0000	44	38
	21	9989	43	43	43	35	20	32	8	50	5	8	6	2			8								
09	00	9996	38	38	37	27	13	60	8	61	6	8	7	3			6								
	03	10002	37	36	34	28	09	60	8	61	6	8	7	3			6								
	06	10008	37	36	34	28	12	66	8	61	6	8	7	4			6								
	09	10012	39	35	29	27	08	80	8	02	6	4	1	5	1		6								
	12	10011	40	37	30	28	13	82	5	15	6	3	2	5	1		5	7	7						
	15	10016	37	36	32	28	12	82	5	15	2	5	3	4		8	5								
	18	10047	36	35	33	24	11	80	3	01	8	3	2	5			5			26	23	397	0037	40	34
	21	10080	35	34	32	19	10	80	3	26	1	3	2	5			4								

Results of Surface Observations,
MACQUARIE — May, 1961

LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	° × 10	kt	VV	Oktas	ww	w	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	° × 10	kt	St.miles	Points	°F	°F
10	00	10109	35	33	28	19	05	80	7	03	1	7	8	5			4								
	03	10121	35	33	28	19	03	80	8	02	2	8	5	5			5								
	06	10141	35	32	26	22	02	80	7	02	2	7	5	5			5								
	09	10157	36	33	27	27	09	82	7	02	2	7	5	6			5								
	12	10146	38	35	30	32	12	82	7	03	1	7	5	6			5								
	15	10134	40	38	35	30	19	80	7	03	2	7	5	5			5								
	18	10143	40	40	40	32	17	74	8	03	5	8	6	4			5								
	21	10138	41	41	41	30	16	32	8	50	5	8	6	2			7			30	28	184	0000	41	34
11	00	10138	40	40	40	31	09	16	8	50	5	8	6	1											
	03	10134	40	40	40	30	10	48	8	20	5	8	7	2			7								
	06	10137	40	40	40	29	11	66	7	02	2	7	5	4			6								
	09	10140	42	41	40	30	17	80	7	03	2	7	5	5			7								
	12	10120	42	42	41	31	17	60	8	03	2	7	6	5			6								
	15	10103	42	41	40	31	18	80	7	02	2	6	5	5			7								
	18	10095	43	42	41	32	23	74	8	02	2	8	5	4	0	6									
	21	10095	42	42	42	30	23	32	8	51	5	8	7	3			7			31	31	353	0001	43	39
12	00	10102	41	41	40	28	20	63	8	02	5	8	5	4											
	03	10124	40	38	35	28	17	66	8	02	2	8	5	4			6								
	06	10141	39	38	36	27	14	74	8	02	2	8	5	4			6								
	09	10160	40	38	36	27	10	80	7	02	2	7	5	5			6								
	12	10157	40	39	38	28	12	80	5	02	2	3	5	5			6								
	15	10156	41	41	41	32	10	08	8	47	2	8	6	0	7	6		6	6						
	18	10158	42	42	42	30	16	16	8	50	4	8	6	2			6								
	21	10167	42	42	42	30	16	15	8	50	5	8	6	0			6			27	31	458	0000	43	39
13	00	10174	43	43	43	29	12	15	8	50	5	8	6	0											
	03	10180	43	43	43	28	15	16	8	50	5	8	6	1			6								
	06	10193	41	41	41	28	12	32	8	51	5	8	6	2			6								
	09	10203	40	40	40	28	11	16	6	01	2	4	6	2			6								
	12	10199	41	41	41	27	08	48	7	02	2	6	6	2	0	1	5								
	15	10201	41	41	41	31	03	60	7	02	2	7	6	2		1	5								
	18	10207	41	41	41	29	07	58	8	02	2	8	6	2			6								
	21	10207	41	41	41	29	06	58	6	20	5	6	6	3			6			28	25	322	0001	44	39
14	00	10204	40	40	40	29	07	58	6	50	5	6	6	3											
	03	10196	41	41	41	30	07	58	7	20	5	7	6	4			6								
	06	10190	40	40	40	29	02	66	7	20	5	7	6	5			6								
	09	10187	41	41	41	29	08	80	7	01	2	7	6	5			6								
	12	10181	39	39	39	31	05	06	8	47	4	8	6	0			7								
	15	10173	40	40	40	33	08	74	8	28	4	8	6	3			7								
	18	10160	41	41	41	31	10	58	8	03	2	8	6	2			7								
	21	10148	42	42	41	32	12	58	8	02	2	8	6	3			7			32	18	161	0001	42	39
15	00	10134	41	41	41	33	12	58	8	50	5	8	6	2											
	03	10120	41	41	40	32	12	80	3	01	2	3	5	4			7								
	06	10103	40	40	39	33	14	74	6	02	5	6	5	4			7								
	09	10077	41	41	41	33	15	66	7	02	2	7	5	3			7								
	12	10050	42	41	40	34	18	66	7	20	5	7	7	4			7								
	15	10019	42	42	42	34	17	66	8	20	5	6	5	3			8								
	18	9988	43	43	43	34	19	32	8	51	5	7	6	2			8								
	21	9964	43	42	42	34	20	74	7	02	5	8	6	3			8			34	30	303	0001	44	39
16	00	9937	44	43	41	34	22	74	6	02	2	6	5	4											
	03	9914	44	43	42	36	13	74	7	02	2	7	5	5			8								
	06	9893	44	43	42	01	14	80	7	02	2	7	5	5			8								
	09	9873	43	43	43	01	13	48	8	61	6	7	7	3			8								
	12	9855	38	38	38	23	13	58	8	61	6	6	7	3	2		5								
	15	9874	38	37	35	19	10	74	7	01	6	6	6	5	2		4								
	18	9879	39	38	37	28	10	66	7	02	2	6	5	5	2		6								
	21	9872	40	37	32	32	12	82	0	02	0	0	6	9	0	0				34	30	496	0013	44	35
17	00	9833	41	41	40	36	16	60	8	61	6	7	7	4	2		8								
	03	9758	43	42	42	36	21	32	8	61	6	8	7	2			8								
	06	9738	44	43	43	31	21	66	8	60	6	5	5	5	7		7								
	09	9765	43	41	38	30	25	80	6	15	2	3	5	7		0	6								
	12	9801	39	39	39	28	26	80	5	27	8	5	5	3			5	7							
	15	9831	42	40	37	30	25	80	3	25	8	8	5	3			6								
	18	9846	40	39	38	30	19	80	8	03	2	2	5	4			6								
	21	9843	43	42	41	31	14	56	8	68	7	8	4	2			7	7		29	44	419	0037	45	35
18	00	9827	40	39	38	31	14	80	1	01	8	1	1	4			7								
	03	9826	39	37	34	29	13	80	0	01	1	0	2	9	0	0									
	06	9830	38	36	33	31	14	82	2	15	0	2	5	5			6								
	09	9847	41	38	34	29	19	80	7	15	8	3	5	5	4	0	6	6							
	12	9852	39	37	35	30	19	80	6	25	8	2	5	5			6		6						
	15	9853	41	38	32	31	20	80	7	03	8	8	5	5			6								
	18	9824	36	36	36	32	22	63	8	61	2	6	5	9	2	6									
	21	9826	37	36	34	27	17	66	6	01	4	6	5	5	2		6			27	44	480	0015	42	34

Results of Surface Observations,
MACQUARIE — May, 1961

LOCAL STANDARD TIME			TEMPERATURES			SURFACE WIND						LOW CLOUD					DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST				EXTREME TEMPERATURES	
DAY	HOUR	STATION LEVEL PRESSURE	DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED	VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	AMOUNT	TYPE	BASE	MIDDLE CLOUD	HIGH CLOUD	LOW	MIDDLE	HIGH	DIRECTION	SPEED	ANEMOMETER WIND RUN	PRECIPITATION	MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
19	00	9855	36	35	33	28	18	74	2	27	8	2	3	5			6								
	03	9876	35	35	34	27	24	74	3	27	8	3	3	4			6								
	06	9896	34	34	34	27	24	74	4	27	8	4	3	4			6								
	09	9901	40	37	33	30	20	74	8	26	8	6	8	5	2		6								
	12	9866	43	42	41	32	15	56	8	61	6	7	5	3	2		7								
	15	9797	43	43	43	32	22	32	8	61	6	7	7	2	2		7								
	18	9744	43	43	43	33	18	32	8	61	6	7	7	2	2		7								
	21	9743	43	43	43	28	19	32	8	61	6	6	7	3	2		6			27	45	511	0016	44	33
20	00	9796	38	37	34	20	10	74	4	21	6	3	5	4	2		5								
	03	9855	38	37	34	27	10	74	6	03	1	6	8	5			6								
	06	9885	38	37	35	27	08	80	7	03	6	7	5	4			6								
	09	9894	40	40	40	29	16	74	7	15	8	7	8	4			6								
	12	9919	40	39	37	28	16	74	7	87	8	7	2	4			6								
	15	9935	39	37	34	27	12	80	6	02	2	3	4	5	3		6	6							
	18	9928	38	37	35	29	02	80	3	02	1	3	0	9	3		6	6							
	21	9908	39	38	36	36	07	80	8	03	1	8	5	5			7			29	30	404	0036	41	36
21	00	9861	39	39	39	36	10	58	8	61	6	8	7	4			8								
	03	9853	40	38	35	28	23	80	5	80	8	5	8	5			6								
	06	9855	40	38	35	28	30	80	8	25	2	8	8	5			6								
	09	9891	40	36	29	27	31	80	7	03	2	7	8	5			6								
	12	9934	38	37	35	27	25	60	7	83	8	7	3	4			5								
	15	9986	38	35	30	23	10	80	4	26	8	4	8	5			5								
	18	10031	39	36	31	28	19	80	1	01	8	1	2	5			5								
	21	10062	39	37	34	28	20	80	4	02	2	4	8	5			5			27	63	420	0015	42	35
22	00	10093	39	37	33	28	13	80	4	02	2	4	8	5			5								
	03	10110	39	38	36	27	09	80	0	01	1	0	0	9	0	0									
	06	10109	41	40	39	31	09	80	1	02	0	1	5	5			6								
	09	10098	41	41	41	35	12	82	5	03	0	3	5	6	1	5	7	7	7						
	12	10065	42	41	40	34	16	80	7	02	2	7	5	5			7								
	15	10018	43	41	38	36	14	74	8	03	2	8	5	5			8								
	18	9972	43	43	43	02	22	48	8	61	6	8	7	4			8			28	37	401	0001	44	38
	21	9940	43	43	43	34	17	60	8	61	6	8	7	3			7								
23	00	9968	41	41	40	28	20	74	8	50	5	8	5	4			6								
	03	10013	39	38	37	27	20	80	3	20	5	3	5	4			6								
	06	10054	39	36	32	27	13	80	7	02	2	7	5	5			6								
	09	10074	39	36	32	28	09	82	7	02	2	7	5	5			6								
	12	10071	40	38	35	31	11	80	4	02	2	4	5	6			7								
	15	10057	40	39	38	32	17	80	7	02	2	7	5	6			7								
	18	10027	42	41	40	33	23	80	8	02	2	8	5	5			7			28	43	362	0015	43	37
	21	9991	42	41	41	35	21	74	8	03	2	6	5	5	1		7								
24	00	9944	43	42	42	35	26	63	8	02	2	8	5	4			8								
	03	9892	43	43	43	35	26	32	8	61	6	7	5	2	2		8								
	06	9906	43	42	41	31	19	74	4	21	6	4	5	5			7								
	09	9918	43	41	40	33	17	82	3	03	0	3	5	4			7								
	12	9912	43	41	37	33	17	80	5	02	2	4	2	5	3		7								
	15	9896	41	39	36	33	20	82	2	01	1	2	8	5			7								
	18	9868	37	36	35	32	25	66	8	89	2	8	3	4			7			32	52	521	0008	45	35
	21	9865	39	38	36	31	23	74	1	26	8	1	5	4			7								
25	00	9859	40	38	35	32	18	66	8	25	8	8	5	5			7								
	03	9861	40	38	35	31	17	74	2	01	8	2	5	5			7								
	06	9867	40	38	35	31	18	74	3	02	0	3	5	5			7								
	09	9881	35	35	33	30	16	74	4	26	8	4	3	5			7								
	12	9884	39	36	31	29	23	82	4	02	8	4	3	5			7								
	15	9894	37	36	34	29	23	66	3	85	1	3	3	5			7								
	18	9913	38	36	33	29	18	82	3	85	8	3	2	5			7								
	21	9936	38	35	31	29	17	80	1	02	8	1	2	5			6			30	40	538	0012	42	32
26	00	9953	35	34	32	28	15	80	1	26	8	1	1	4			6								
	03	9972	36	35	33	27	14	80	5	03	8	5	2	5			6								
	06	9988	37	35	32	28	16	82	2	26	1	2	1	5			6								
	09	9991	38	36	32	31	17	82	7	03	2	4	5	5			6								
	12	9968	40	39	38	34	17	80	7	03	2	4	5	6			7								
	15	9905	41	41	41	01	21	32	8	61	6	7	7	3	7		8								
	18	9863	43	43	43	33	24	32	8	21	6	7	7	2	2		7								
	21	9846	44	43	43	32	27	66	8	50	5	8	7	4	2		7			32	41	434	0001	45	33
27	00	9840	44	43	43	32	26	66	8	20	5	8	6	3			7								
	03	9796	44	44	44	33	24	56	8	61	6	8	7	4			7								
	06	9759	43	41	39	32	26	74	6	20	6	6	5	5			7								
	09	9738	40	39	37	33	30	74	7	80	6	7	5	4			7								
	12	9704	39	38	38	30	26	60	7	80	8	7	2	4			6								
	15	9811	33	33	33	27	45	24	8	71	7	6	7	4	2		5								
	18	9868	32	32	32	28	37	32	8	78	8	8	3	5			5			27	74	631	0030	45	31
	21	9922	35	33	31	27	30	80	4	26	8	4	3	5			5								

Results of Surface Observations,
MACQUARIE — May, 1961

LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		iiib × 10-1	°F	°F	°F	°×10	kt	VV	Oktas	ww	w	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
28	00	9946	32	32	31	27	26	32	7	85	8	7	3	4			5								
	03	9968	33	32	30	27	26	80	3	85	8	3	3	5			5								
	06	9998	30	30	29	27	26	16	8	85	8	8	3	4			5								
	09	10022	35	31	23	28	23	80	6	15	8	6	3	4			6								
	12	10026	36	33	27	27	17	80	6	15	2	6	2	5			6								
	15	10028	36	32	24	29	14	80	7	02	2	6	1	5	3		6								
	18	10010	35	34	32	31	11	56	8	68	6	8	0	9	2			7							
	21	9963	37	37	35	01	14	58	8	61	7	5	6	3	2		8			27	63	653	0008	42	30
29	00	9885	42	42	42	35	27	32	8	61	6	7	7	2	2		8								
	03	9849	42	42	42	34	16	32	8	21	6	8	6	2			7								
	06	9825	42	42	42	32	14	32	8	61	6	7	7	2	2		7								
	09	9820	42	42	42	32	15	58	8	61	6	7	7	3	2		7								
	12	9815	41	40	40	28	13	80	7	02	6	7	5	4	3		6								
	15	9827	40	39	38	27	13	80	8	02	2	7	5	3	2		6								
	18	9860	36	36	35	17	29	63	8	50	2	8	7	4			4								
	21	9950	34	32	27	19	19	74	7	26	7	7	4	5			4			17	44	423	0027	43	31
30	00	10001	31	30	28	19	12	32	7	71	7	7	8	4			4								
	03	10037	32	29	23	20	12	80	5	02	8	5	2	4			4								
	06	10068	31	29	25	20	10	80	5	02	2	5	8	4			5								
	09	10091	33	29	22	24	06	82	7	02	8	7	5	6			5								
	12	10094	33	31	28	28	12	82	7	80	2	7	8	5			5								
	15	10076	36	33	28	31	17	82	7	02	2	7	5	6			6								
	18	10047	39	37	34	33	19	80	8	02	8	8	5	5		5	7								
	21	9995	40	40	40	34	23	48	8	61	6	7	7	4	2		7			34	33	317	0003	43	28
31	00	9951	42	42	42	32	17	24	8	51	6	8	6	3			7								
	03	9945	40	39	38	27	17	56	8	02	5	8	5	5			6								
	06	9949	41	38	34	28	15	61	7	02	2	7	5	5			6								
	09	9971	40	38	31	27	19	82	4	02	8	4	8	5			6								
	12	9975	40	37	33	29	18	80	5	02	8	5	8	5			6								
	15	9969	38	37	35	28	16	74	6	15	8	6	8	4			6								
	18	9962	36	35	33	29	17	74	6	26	8	3	2	4		5	6		6						
	21	9955	37	37	35	29	23	74	7	80	8	7	8	4			6			29	43	410	0008	43	34

Results of Surface Observations,
MACQUARIE — Jun., 1961

LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	w	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
01	00	9960	37	36	34	27	30	58	7	80	8	7	8	4			6								
	03	9975	39	36	31	27	33	66	6	25	8	6	8	4			6								
	06	10000	39	35	28	27	29	74	8	03	2	8	8	4			6								
	09	10019	38	35	29	27	22	80	6	02	2	6	8	5			6								
	12	10032	38	35	31	28	19	74	6	15	8	6	8	4			6								
	15	10032	38	36	33	28	16	74	7	15	8	7	8	4			6								
	18	10023	38	37	34	29	11	74	7	02	2	7	8	5			6								
	21	10008	40	38	36	34	05	74	8	03	2	8	8	4			7			27	48	494	0010	41	36
02	00	9956	41	41	40	02	14	66	8	61	6	8	7	3			8								
	03	9901	43	43	43	33	17	58	8	51	6	8	6	2			7								
	06	9896	42	42	41	29	12	66	8	60	6	7	7	4	2		6	6							
	09	9902	41	40	39	30	11	80	7	01	2	1	1	4	3	8	7	6	6						
	12	9892	42	41	40	33	09	84	7	03	2	3	2	4	3	6	7	6	6						
	15	9868	41	41	41	33	09	74	7	50	2	7	5	3			7								
	18	9830	41	40	39	32	14	58	8	21	6	8	5	4			7								
	21	9828	40	39	38	29	16	74	7	21	6	7	8	5			6			27	42	367	0021	44	36
03	00	9872	38	37	34	24	15	80	3	01	8	3	1	5			5								
	03	9938	36	35	31	20	12	80	5	25	8	5	8	5			5								
	06	10009	35	33	27	20	11	80	7	25	8	7	8	5			5								
	09	10071	34	30	22	23	10	80	7	02	2	7	1	5			5								
	12	10112	35	30	21	20	05	82	6	02	2	6	1	5			4								
	15	10146	33	29	21	20	02	82	4	01	2	4	1	5			5								
	18	10164	34	30	22	27	05	80	2	01	1	2	4	5			6								
	21	10167	36	33	27	29	10	80	6	03	2	6	4	5			6			22	40	329	0014	39	31
04	00	10156	38	36	33	31	22	74	5	01	2	2	4	4	3	8	7	6	6						
	03	10152	37	36	34	29	19	74	8	60	6	6	5	5	7		7	6							
	06	10144	39	37	35	30	22	74	6	25	8	6	8	4			6								
	09	10131	40	38	35	30	26	74	7	80	2	7	8	4			6								
	12	10122	40	39	38	30	23	66	8	50	6	8	5	4			6								
	15	10128	38	35	32	27	21	80	6	02	6	6	8	4			6								
	18	10142	36	33	27	27	22	74	6	27	8	6	8	4			6								
	21	10162	35	33	29	23	21	74	6	01	2	6	8	4			5			27	47	366	0000	41	34
05	00	10179	35	32	26	23	14	74	8	03	2	8	8	4			5								
	03	10192	35	32	26	24	12	74	7	02	2	7	8	5			5								
	06	10211	35	32	26	20	13	80	8	02	2	8	8	5			5								
	09	10224	36	33	29	24	10	80	7	15	2	6	8	5		8	5		5						
	12	10214	35	35	34	27	19	80	6	80	2	4	2	4		8	6		5						
	15	10214	35	34	32	25	12	74	6	26	8	5	2	4		2	5		5						
	18	10210	36	34	30	27	12	74	5	26	8	5	2	4			5								
	21	10210	35	34	32	25	14	66	6	83	8	6	2	4			5			27	42	310	0003	38	34
06	00	10195	35	33	30	24	13	74	5	85	8	5	8	4			5								
	03	10190	35	34	31	23	12	58	7	85	8	7	8	4			5								
	06	10185	34	33	30	24	13	80	3	85	8	3	2	4			5								
	09	10186	34	32	29	24	09	32	7	85	8	7	2	4			5								
	12	10174	35	33	29	24	11	80	6	85	8	6	3	4			5								
	15	10166	33	32	31	23	10	58	7	85	8	7	3	4			5								
	18	10164	34	31	26	19	10	74	4	26	8	4	2	4			4								
	21	10162	33	31	27	20	05	80	3	02	1	3	2	5			4			22	28	285	0005	36	33
07	00	10154	33	30	24	19	06	74	4	02	1	4	8	5			4								
	03	10143	33	30	25	23	06	74	5	03	1	5	8	5			5								
	06	10132	33	30	25	25	10	66	6	03	2	6	8	5			5								
	09	10121	33	31	25	26	07	80	6	02	2	6	4	5			6								
	12	10101	35	31	25	28	17	80	5	02	2	5	1	5			6								
	15	10076	35	32	26	27	12	80	6	02	2	5	4	5	3	8	5	5	5						
	18	10068	34	31	25	25	12	80	3	01	1	3	4	5			5								
	21	10065	34	32	27	26	11	80	3	02	1	3	4	5			5			27	46	213	0002	36	31
08	00	10059	34	31	26	26	09	74	3	02	1	3	4	5			5								
	03	10057	33	31	26	25	05	74	4	02	1	4	4	5			5								
	06	10056	33	31	27	23	02	74	4	02	1	4	4	5			5								
	09	10051	33	31	27	26	04	82	1	02	0	1	5	5			5								
	12	10034	36	34	30	29	10	82	3	02	0	0	0	9	3	0		6							
	15	10018	37	35	32	30	04	80	7	03	2	2	5	8	4		6								
	18	10009	38	37	36	31	07	63	8	50	2	5	6	2			7								
	21	10004	40	39	40	32	09	61	8	20	5	8	6	4			7			29	22	179	0000	40	31
09	00	10003	37	37	37	29	15	56	8	51	5	8	6	3			6								
	03	10008	38	38	37	29	15	61	7	20	5	7	6	4			6								
	06	10012	37	36	35	28	23	61	7	20	5	7	6	4			6								
	09	10014	38	37	35	29	24	74	8	20	5	7	4	4		1	6		6						
	12	10025	39	38	36	29	17	66	8	02	5	8	5	4			6								
	15	10038	40	40	40	30	19	24	8	40	4	8	6	2			7								
	18	10057	40	40	40	29	14	32	8	02	2	8	6	2			7								
	21	10079	40	40	40	29	11	16	8	51	5	8	6	2			6			29	34	241	0001	41	36

Results of Surface Observations,
MACQUARIE – Jun., 1961

LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°× 10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°× 10	kt	St.miles	Points	°F	°F
10	00	10083	40	40	40	32	17	61	8	20	5	8	5	4			7								
	03	10082	40	40	40	32	21	61	8	02	2	8	7	4			7								
	06	10081	40	40	40	32	24	56	8	50	2	8	6	3			7								
	09	10087	41	40	39	32	20	80	7	02	5	8	5	6			7								
	12	10082	42	41	40	32	16	74	7	02	8	7	6	6	3		6	6							
	15	10076	42	41	41	33	17	32	8	03	2	6	8	2			7								
	18	10063	43	43	42	33	19	56	8	20	5	8	5	3			7								
	21	10058	43	42	42	33	21	16	8	61	6	5	7	1	2		7			29	36	396	0001	43	39
11	00	10040	42	42	42	33	21	32	8	51	6	8	6	2			7								
	03	10037	42	42	42	31	19	16	8	51	6	8	6	2			7								
	06	10046	41	41	41	31	17	58	8	02	5	8	6	3			7								
	09	10042	40	40	40	31	17	24	8	40	4	8	6	1			7								
	12	10013	43	42	42	33	19	61	8	02	4	8	6	4			7								
	15	10014	43	43	42	32	24	58	8	03	2	8	6	3			7								
	18	10023	43	42	42	32	21	56	8	02	2	8	7	3			7								
	21	10013	43	43	43	32	30	32	8	50	2	8	7	2	2		7			32	45	439	0014	44	39
12	00	10007	44	44	44	32	29	16	8	50	5	8	7	2			7								
	03	10010	44	43	43	32	28	16	8	50	5	8	7	2			7								
	06	10019	43	43	43	32	26	32	8	20	5	8	7	3			7								
	09	10020	44	43	43	32	30	48	8	02	5	8	6	2			7								
	12	10015	44	44	44	32	30	48	8	50	5	8	6	2			7								
	15	10024	44	44	44	32	30	48	8	50	5	8	6	2			7								
	18	10027	43	43	43	32	24	32	8	51	5	8	6	2			7								
	21	10025	43	43	43	32	23	16	8	51	5	8	6	2			7			32	45	668	0000	45	42
13	00	10014	44	43	43	32	26	32	8	50	5	8	6	2			7								
	03	10007	44	44	44	32	23	32	8	50	5	8	6	3			7								
	06	10014	43	43	43	32	16	32	8	61	5	8	7	3			7								
	09	9992	41	41	41	33	09	32	8	61	6	8	6	2			7								
	12	9970	41	41	41	27	10	66	8	21	6	6	5	5	7	7	8	6	6						
	15	9995	40	40	40	31	13	74	6	01	6	6	5	5			6								
	18	10024	40	40	39	29	17	74	3	02	2	6	5	5			6								
	21	10063	39	38	35	27	21	74	2	02	1	2	5	5			6			32	36	542	0032	45	38
14	00	10073	40	38	35	29	17	80	5	02	1	5	5	5			6								
	03	10060	39	39	38	32	12	74	8	03	2	8	5	4			7								
	06	10021	40	39	38	36	08	74	8	02	2	8	5	4			8								
	09	9927	39	38	37	01	16	48	8	61	2	6	5	4	2		8								
	12	9813	43	43	43	33	30	48	8	63	6	6	7	3			7								
	15	9766	44	44	44	33	36	32	8	61	6	8	7	2			7								
	18	9736	42	40	37	31	49	24	8	21	6	8	7	2			7								
	21	9827	41	39	37	27	34	74	2	01	2	2	5	5			6			29	73	394	0049	46	38
15	00	9901	40	38	35	27	25	74	7	02	2	7	5	5			6								
	03	9924	39	39	38	29	12	60	8	51	2	8	6	3			6								
	06	9922	40	39	39	31	14	66	7	50	5	7	6	4			6								
	09	9882	41	41	41	34	24	24	8	55	6	8	6	2			7								
	12	9878	42	41	39	32	18	74	8	03	6	1	2	4	4	6	7	7	7						
	15	9864	41	40	39	33	18	74	3	01	2	1	5	4			7	7							
	18	9852	41	41	40	33	20	66	2	02	1	2	5	5			7								
	21	9847	41	39	36	31	22	66	4	03	0	4	8	5			7			32	43	662	0026	43	37
16	00	9858	38	37	35	29	20	61	7	03	2	7	5	4			7								
	03	9881	37	36	34	27	18	61	5	25	8	5	8	5			6								
	06	9915	35	34	32	27	13	66	4	27	8	4	2	5			6								
	09	9937	35	34	33	29	11	80	5	85	8	5	2	4			6								
	12	9947	35	33	30	28	12	80	7	15	2	7	8	5			6								
	15	9944	33	31	26	26	03	82	4	02	1	1	5	5	3		6								
	18	9935	34	31	26	00	00	80	4	02	1	4	5	5			6								
	21	9898	36	34	30	11	11	74	8	03	2	8	5	5			1			11	35	441	0003	39	31
17	00	9808	35	35	35	11	25	24	8	69	2	8	7	2			2								
	03	9730	44	44	44	36	12	32	8	61	6	8	6	2			8								
	06	9684	45	45	45	36	17	32	8	61	6	8	7	2			8								
	09	9656	44	44	44	01	22	08	8	45	6	8	6	0			8								
	12	9631	45	44	44	01	20	48	7	02	4	7	7	2			8								
	15	9606	44	44	44	02	17	56	7	50	5	7	7	2			8								
	18	9605	41	41	41	34	10	74	2	01	5	5	7	2			7								
	21	9609	41	39	37	34	12	80	0	02	0	0	5	9	0	0	9			36	46	322	0045	46	34
18	00	9621	40	39	38	34	09	80	2	02	1	2	6	6	0		8								
	03	9631	41	39	37	02	10	74	0	02	0	0	0	9	0	0	9								
	06	9634	40	39	38	02	04	80	0	02	0	0	0	9	1	0	2								
	09	9648	40	38	35	05	02	74	7	03	2	0	0	8	2	6	2								
	12	9654	40	39	38	13	02	74	7	03	2	0	0	8	2		2								
	15	9667	40	39	37	00	00	74	5	10	2	0	0	8	2		2								
	18	9686	38	36	33	00	00	66	5	03	2	0	0	8	2	6	2								
	21	9698	38	37	34	32	01	66	8	02	2	0	0	8	2	6	2			02	20	340	0001	42	37

Results of Surface Observations,
MACQUARIE — Jun., 1961

LOCAL STANDARD TIME			TEMPERATURES			SURFACE WIND						LOW CLOUD					DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST				EXTREME TEMPERATURES	
DAY	HOUR	STATION LEVEL PRESSURE	DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED	VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	AMOUNT	TYPE	BASE	MIDDLE CLOUD	HIGH CLOUD	LOW	MIDDLE	HIGH	DIRECTION	SPEED	ANEMOMETER WIND RUN	PRECIPITATION	MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
19	00	9717	38	37	35	26	04	74	8	02	2	7	5	7	2		9								
	03	9737	38	36	33	22	04	74	8	02	2	0	0	9	2			3							
	06	9763	37	35	33	25	04	66	8	03	2	8	5	4			6								
	09	9798	37	36	35	28	10	16	8	58	6	8	6	2			6								
	12	9828	37	37	36	18	11	56	8	51	6	8	6	3			4								
	15	9869	37	37	37	18	13	58	8	51	5	8	6	4			4								
	18	9913	37	35	34	18	13	61	8	02	5	8	5	4			4								
	21	9944	36	33	28	16	12	74	6	02	2	6	5	5			4			16	22	071	0003	39	35
20	00	9972	35	33	27	16	12	74	7	02	2	7	5	4			4								
	03	9986	35	32	27	16	13	74	7	02	2	7	5	5			4								
	06	10007	34	32	27	15	11	74	8	02	2	8	5	5			4								
	09	10019	34	32	27	15	10	80	7	02	2	7	5	5			4								
	12	10016	34	31	25	14	04	80	7	02	2	7	5	5			4								
	15	10018	34	31	25	11	04	80	8	02	2	8	5	5			2								
	18	10012	34	31	26	14	04	80	8	02	2	8	5	5			9								
	21	10003	35	32	27	14	04	74	8	02	2	8	5	5			2			16	22	198	0006	36	33
21	00	9985	34	31	25	19	03	74	8	02	2	8	5	5			3								
	03	9979	32	30	26	22	04	74	8	02	2	8	5	6			4								
	06	9971	31	29	25	19	05	80	0	01	0	0	0	9	0	0	9								
	09	9976	33	32	29	25	06	80	7	03	2	7	5	5			4								
	12	9975	36	35	32	18	09	66	8	68	2	7	5	4			4								
	15	9994	35	32	25	18	12	80	3	01	7	2	5	5			5								
	18	10019	34	31	23	18	07	80	2	02	8	1	5	5			5								
	21	10037	34	31	25	19	08	74	4	26	8	4	2	5			4			18	23	072	0000	37	29
22	00	10061	33	31	25	21	08	61	5	85	8	5	2	4			5								
	03	10081	33	30	24	25	10	61	5	26	8	5	2	5			5								
	06	10106	30	29	26	22	06	66	4	26	8	4	2	5			5								
	09	10121	33	30	25	24	07	80	2	26	8	2	3	5			5								
	12	10121	33	31	28	27	10	80	5	26	6	4	3	4	3		5	5							
	15	10112	37	34	29	29	14	74	8	03	2	8	8	5			6								
	18	10089	39	37	35	30	23	74	8	02	2	8	8	5			6								
	21	10077	40	38	37	32	24	58	8	61	2	8	7	4			6			32	37	171	0005	41	28
23	00	10048	41	40	41	31	27	48	8	61	6	8	7	3			7								
	03	10061	37	35	32	29	13	61	8	02	6	8	8	5			6								
	06	10068	37	35	32	27	12	58	8	80	8	8	8	5			6								
	09	10060	39	37	37	28	17	66	8	61	6	7	5	3	2		6	5							
	12	10053	39	39	38	29	22	24	8	55	5	8	7	2			6								
	15	10044	39	39	38	28	20	24	8	50	5	8	7	2			6								
	18	10054	39	39	39	28	18	24	8	50	5	8	7	2			6								
	21	10051	39	39	39	27	16	32	8	50	5	8	6	3			6			28	37	418	0011	41	36
24	00	10043	40	40	40	28	13	58	8	21	5	8	6	3			6								
	03	10025	40	40	40	30	14	32	8	61	5	8	7	2			6								
	06	10011	40	40	40	30	13	32	8	51	5	8	6	2			6								
	09	9995	40	40	39	30	16	13	8	40	5	8	6	2			7								
	12	9967	40	40	40	32	13	09	8	47	4	8	6	0			7								
	15	9924	41	40	40	32	17	48	8	20	4	8	6	2			7								
	18	9875	40	40	40	34	17	32	8	51	5	8	6	2			8								
	21	9821	41	41	41	34	16	48	8	51	5	8	6	2			8			36	33	381	0012	43	39
25	00	9749	42	42	42	36	22	60	7	51	5	7	6	4			8								
	03	9735	40	40	40	31	10	16	8	50	5	8	6	2			7								
	06	9713	39	39	39	27	06	08	8	45	5	8	6	0			6								
	09	9723	36	35	32	24	09	74	8	68	7	8	8	4			6								
	12	9721	38	35	32	27	13	74	8	03	6	5	4	5	1		6	6							
	15	9709	38	37	34	30	14	74	6	26	8	5	2	4		1	6								
	18	9699	37	36	34	29	19	74	5	25	8	5	2	5			6								
	21	9706	37	36	35	28	22	66	6	25	8	5	2	5	3		6	6		27	50	402	0019	43	34
26	00	9748	35	34	31	27	21	74	6	02	8	6	8	4			6								
	03	9764	32	32	32	27	18	63	7	85	8	7	8	4			6								
	06	9764	34	32	28	28	11	74	8	85	8	8	8	4			6								
	09	9759	33	31	26	26	04	80	7	03	8	4	8	5	4		6	6							
	12	9753	33	31	26	18	03	82	6	02	2	2	8	5	3	1	5								
	15	9764	33	31	25	19	03	82	7	02	8	2	4	5	7		5	6							
	18	9788	33	30	25	22	02	82	2	02	1	2	8	5			5								
	21	9803	33	30	24	27	07	82	5	26	8	4	2	4		1	6			27	43	347	0008	37	30
27	00	9816	33	30	23	27	07	82	1	02	0	1	1	5			6								
	03	9820	30	29	27	26	12	58	7	85	8	7	3	4			6								
	06	9822	33	30	24	28	06	80	4	03	8	4	2	5			6								
	09	9831	34	31	25	28	06	80	3	03	8	3	2	5			6								
	12	9827	35	31	23	30	05	82	4	02	1	4	8	5			6								
	15	9834	32	31	28	00	00	82	2	02	8	2	3	4			5								
	18	9842	32	31	28	22	02	82	2	02	1	2	2	5			5								
	21	9852	32	31	29	25	06	80	5	26	2	5	8	5			6			27	23	093	0003	37	27

Results of Surface Observations,
MACQUARIE – Jun., 1961

LOCAL STANDARD TIME			TEMPERATURES			SURFACE WIND						LOW CLOUD					DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST					
DAY	HOUR	STATION LEVEL PRESSURE	DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED	VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	AMOUNT	TYPE	BASE	MIDDLE CLOUD	HIGH CLOUD	LOW	MIDDLE	HIGH	DIRECTION	SPEED	ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES MAXIMUM	EXTREME TEMPERATURES MINIMUM
		mb × 10⁻¹	°F	°F	°F	° × 10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	° × 10	kt	St.miles	Points	°F	°F
28	00	9879	31	28	23	19	10	74	6	26	2	6	2	5			5								
	03	9900	30	26	17	21	10	74	6	03	2	6	2	5			4								
	06	9920	31	28	22	22	04	74	5	02	2	5	2	5			5								
	09	9925	29	28	25	21	06	82	3	85	2	3	3	4			5								
	12	9919	32	30	25	23	07	80	5	15	8	5	8	4			5								
	15	9919	31	28	22	23	07	74	7	26	8	4	2	4	3	8	5	5	5						
	18	9914	31	29	26	24	08	80	7	03	8	2	8	5	3		5	5							
	21	9907	31	29	26	18	08	24	8	71	7	8	0	4	2		4	5		27	30	131	0003	34	27
29	00	9918	31	29	26	20	04	66	7	03	7	6	8	4	2		4								
	03	9933	31	27	18	20	11	80	4	02	2	4	2	5			4								
	06	9940	31	28	22	20	11	80	4	02	2	4	2	5			4								
	09	9945	31	28	23	20	11	80	7	85	8	7	8	5			5								
	12	9955	30	27	19	20	17	80	7	15	8	7	2	5			5								
	15	9969	29	26	18	20	13	80	7	02	8	7	2	5			5								
	18	9980	29	25	18	22	12	80	4	85	8	4	2	5			5								
	21	9996	29	25	15	19	12	80	6	02	8	6	2	5			5			20	34	167	0006	33	26
30	00	10007	29	26	18	20	14	80	7	02	2	7	2	5			5								
	03	10024	30	27	21	19	17	74	7	85	8	7	2	5			4								
	06	10041	31	28	22	19	20	74	7	85	8	7	2	5			4								
	09	10075	31	27	20	20	22	74	8	02	8	8	4	5			4								
	12	10097	31	27	20	20	16	74	7	02	2	7	5	5			4								
	15	10115	31	29	25	20	14	74	8	02	2	8	5	5			4								
	18	10133	32	30	26	19	10	66	8	02	2	8	5	5			4								
	21	10137	34	32	28	20	08	66	8	02	2	8	5	5			5			20	34	341	0000	35	26

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LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	w	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
01	00	10141	34	32	28	25	12	74	7	85	8	2	2	5	3		5	4							
	03	10141	35	34	31	25	14	80	6	02	8	6	5	5			5								
	06	10149	36	35	33	27	15	74	5	02	2	5	5	4			6								
	09	10174	36	35	33	22	12	66	8	02	2	8	5	4			5								
	12	10180	37	36	34	28	12	61	8	50	2	8	5	4			6								
	15	10191	36	36	35	29	13	48	8	51	5	8	6	3			6								
	18	10201	35	35	34	28	15	32	8	51	5	8	6	3			6								
	21	10202	36	34	30	27	20	74	5	01	5	4	5	4		1	6		5	27	40	302	0000	38	33
02	00	10213	36	34	30	27	21	66	7	03	2	7	5	4			6								
	03	10225	36	34	30	28	17	74	7	02	2	7	5	4			6								
	06	10231	36	35	31	28	16	74	7	02	2	7	5	4			6								
	09	10239	36	34	30	28	16	74	7	02	2	7	5	4			6								
	12	10238	36	35	33	27	14	74	7	02	2	7	5	4			6								
	15	10229	35	34	31	28	17	66	7	50	2	7	5	4			6								
	18	10226	36	35	33	27	15	63	6	50	5	6	5	4			6								
	21	10215	36	36	36	28	16	58	5	50	5	5	5	4			6			27	37	366	0003	38	34
03	00	10197	37	36	34	28	18	74	2	01	5	2	5	4			6								
	03	10181	38	37	35	29	16	66	7	20	5	7	5	4			6								
	06	10152	38	37	35	29	16	74	5	25	8	5	8	5			6								
	09	10139	39	38	37	29	15	74	7	25	2	7	8	4			6								
	12	10114	40	38	37	29	16	74	7	02	2	7	8	5	1		6								
	15	10089	40	39	38	28	25	74	6	20	5	4	8	4	3		6								
	18	10077	40	39	37	28	21	74	8	02	2	8	5	5			6								
	21	10072	39	39	39	28	21	32	8	51	5	8	6	3			6			29	36	408	0004	41	36
04	00	10068	37	37	37	23	04	32	8	51	6	8	6	3			5								
	03	10066	35	35	35	25	06	48	8	51	5	8	6	4			5								
	06	10055	34	32	28	25	08	61	6	02	5	6	5	4			5								
	09	10045	34	32	27	29	10	82	6	02	2	6	5	5			5								
	12	10025	35	32	27	27	17	80	4	02	0	4	5	5			6								
	15	10013	34	32	28	26	15	80	5	02	2	5	5	5			6		5						
	18	10004	34	32	28	27	16	80	1	02	0	1	5	5		8	6								
	21	9998	34	31	26	24	12	80	2	02	0	2	5	5			6			27	35	325	0004	38	32
05	00	9991	32	29	24	20	10	74	4	02	0	4	5	5			5								
	03	9989	31	28	22	19	14	74	4	03	1	4	5	5			4								
	06	9981	31	28	22	19	12	74	6	02	2	6	5	5			4								
	09	9982	29	26	19	19	09	80	7	02	2	7	5	5			4								
	12	9968	29	26	19	20	08	80	7	02	2	7	5	6			5								
	15	9961	29	26	21	20	08	80	8	02	2	8	5	6			5								
	18	9945	29	27	23	21	05	80	8	02	2	8	5	6			5								
	21	9924	31	28	21	27	14	80	8	02	2	8	5	6			5			27	33	210	0000	33	28
06	00	9909	30	28	24	23	12	66	8	57	5	8	5	5			5								
	03	9902	28	25	17	19	12	80	4	22	2	4	5	5			5								
	06	9908	27	24	19	16	18	80	2	02	8	2	8	5			4								
	09	9920	25	23	22	21	17	80	7	26	8	7	8	5			4								
	12	9923	26	23	16	18	10	82	5	16	2	5	3	4			4								
	15	9925	25	22	15	19	11	80	5	26	8	5	3	5			4								
	18	9919	27	25	23	18	10	66	7	85	8	7	2	4			4								
	21	9924	27	24	18	18	10	74	7	26	8	7	8	5			5			16	30	164	0001	32	21
07	00	9912	26	24	19	19	08	80	1	02	8	1	2	5			5								
	03	9891	27	24	15	22	09	80	2	02	8	2	2	5			5								
	06	9873	27	25	22	23	16	66	5	26	8	5	2	5			5								
	09	9858	29	26	19	24	11	66	7	85	8	7	8	5	3		5	5							
	12	9849	30	28	23	18	12	74	8	26	8	8	8	5			4								
	15	9845	30	29	27	23	10	65	6	85	2	6	2	4			5								
	18	9844	30	29	27	20	08	61	6	26	8	6	2	5			4								
	21	9847	31	28	23	20	09	66	8	03	8	8	8	5			4			25	28	178	0003	32	23
08	00	9849	30	28	24	21	07	74	8	02	2	8	8	5			4								
	03	9847	31	29	24	20	06	74	8	02	2	8	5	6			4								
	06	9846	32	30	26	26	04	74	7	02	2	7	8	5			5								
	09	9852	33	31	27	25	05	80	8	02	2	8	8	5			5								
	12	9839	33	32	29	28	13	48	7	85	8	7	8	5			5								
	15	9834	30	29	27	20	09	16	7	85	8	7	8	4			5								
	18	9843	29	27	23	19	12	80	2	01	8	2	2	5			4								
	21	9860	30	28	24	18	18	80	1	26	8	1	3	5			4			18	30	100	0001	35	27
09	00	9881	30	28	24	17	22	74	3	26	8	3	2	5			4								
	03	9907	29	27	21	20	10	80	1	26	8	1	2	5			4								
	06	9925	28	26	22	21	07	80	4	02	8	4	2	5			4								
	09	9950	29	26	19	19	09	80	6	26	8	6	2	5			4								
	12	9947	28	27	23	21	04	82	2	26	8	1	9	4			5								
	15	9949	30	28	25	27	07	80	7	14	8	7	8	4			6								
	18	9948	32	31	29	27	06	80	7	02	8	7	8	5			6								
	21	9955	32	31	29	23	09	61	7	26	8	7	8	5			5			27	30	197	0004	34	26

Results of Surface Observations,
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LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	° × 10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	° × 10	kt	St. miles	Points	°F	°F
10	00	9959	34	32	28	27	09	58	8	50	8	8	8	5			6								
	03	9958	33	31	27	27	17	74	3	01	5	3	8	5			6								
	06	9957	35	32	26	28	17	74	5	26	8	5	8	5			6								
	09	9949	36	34	32	29	15	74	8	02	2	6	8	4	1		6	6							
	12	9938	37	35	32	29	13	74	7	03	2	5	5	4	1	1	6	6							
	15	9932	37	36	34	29	09	66	8	02	2	8	5	4			6								
	18	9925	37	37	37	31	06	56	8	61	6	7	5	3	2		7								
	21	9926	38	37	37	27	21	66	8	20	6	8	5	4			7			27	37	185	0004	39	32
11	00	9948	37	35	33	28	12	66	7	25	8	7	8	5			6								
	03	9970	38	36	33	29	18	66	6	80	8	6	8	5			6								
	06	9984	35	34	32	27	17	66	6	80	8	6	8	5			6								
	09	9993	35	35	32	27	17	80	4	83	2	4	8	4	3		6	6							
	12	9991	36	35	34	27	14	74	7	25	8	7	8	4			6								
	15	9982	36	35	33	28	11	74	7	02	8	7	8	4			6								
	18	9970	36	36	36	31	06	74	5	01	8	5	5	5			6								
	21	9958	38	38	38	33	05	16	8	51	2	8	6	1			7			29	38	258	0013	39	34
12	00	9946	38	38	38	35	02	08	8	44	5	8	6	0											
	03	9949	37	37	37	36	02	32	7	02	5	7	6	3			7								
	06	9961	38	37	37	26	03	74	2	01	5	2	5	4			6								
	09	9980	38	38	38	29	06	08	8	46	4	7	6	1			7								
	12	9995	39	39	39	29	07	24	8	51	4	8	6	0			6								
	15	10013	37	37	37	25	10	32	8	51	5	8	6	0			6								
	18	10041	35	35	35	23	08	58	5	20	5	5	6	4			5								
	21	10058	34	34	34	24	10	74	2	02	1	2	6	4			5			25	20	121	0004	40	33
13	00	10063	34	33	33	29	04	66	3	02	1	3	6	3											
	03	10062	33	33	33	29	09	60	4	50	5	4	6	3			6								
	06	10051	33	33	33	32	14	66	7	50	5	7	6	3			7								
	09	10033	35	34	33	33	16	66	8	02	2	8	5	4			7								
	12	9992	38	37	35	34	21	74	8	02	2	8	5	4			7								
	15	9950	40	39	38	35	26	61	8	61	2	4	7	4	2		8	8							
	18	9918	41	41	41	35	26	32	8	61	6	8	7	3			8								
	21	9907	41	41	41	34	20	24	8	20	5	8	7	2			8			34	33	132	0002	42	32
14	00	9897	40	40	40	32	09	04	8	47	4	8	6	0			7								
	03	9883	39	39	39	33	09	08	8	44	4	8	6	3			8								
	06	9869	40	40	40	34	09	32	8	28	4	8	6	3			8								
	09	9854	40	40	40	36	11	66	8	20	2	8	5	4			8								
	12	9836	41	41	41	36	17	60	8	50	5	8	7	3			8								
	15	9860	39	38	37	30	10	80	7	02	6	7	5	4			6								
	18	9879	37	37	37	29	08	66	4	50	2	4	6	3			6								
	21	9905	36	35	33	29	09	74	7	03	2	7	5	4			6			34	40	402	0006	43	35
15	00	9917	37	37	36	31	07	74	7	25	8	7	8	4			7								
	03	9957	34	34	32	21	10	66	7	03	8	7	8	4			5								
	06	10003	31	31	29	21	11	80	5	26	8	5	8	4			5								
	09	10059	31	27	19	19	11	80	7	26	8	7	8	5			4								
	12	10087	29	27	21	19	15	80	7	26	8	7	8	5			4								
	15	10132	29	25	15	20	12	80	6	02	2	6	5	6			5								
	18	10162	31	28	22	19	06	80	2	01	2	2	5	6			5								
	21	10192	30	30	30	20	02	61	4	85	8	4	2	5			5			18	25	212	0009	38	27
16	00	10199	33	31	29	32	09	74	7	26	8	7	8	5			7								
	03	10194	35	33	28	32	16	74	7	03	2	7	8	5			7								
	06	10183	37	35	32	32	23	74	8	02	2	8	8	5			7								
	09	10172	38	37	33	32	22	74	8	02	2	7	5	6	7		6	6							
	12	10159	39	38	37	31	22	66	8	60	2	2	5	5	7		7	6							
	15	10142	39	39	39	31	20	60	8	03	2	7	6	3	2		7	6							
	18	10129	39	39	39	31	14	58	8	21	6	8	7	3			7								
	21	10123	39	39	39	30	14	32	8	61	6	8	7	3			7			31	33	236	0002	40	32
17	00	10147	35	33	28	19	10	74	7	02	6	7	5	5			4								
	03	10159	35	32	25	19	06	74	8	02	2	8	5	5			4								
	06	10176	35	31	23	18	07	74	8	02	2	8	5	5			4								
	09	10196	35	31	23	19	07	82	7	02	2	7	5	6			4								
	12	10204	36	32	24	19	05	80	7	02	2	7	5	6			4								
	15	10214	34	31	25	19	02	82	3	02	2	3	4	6			4								
	18	10218	33	31	25	00	00	82	0	02	0	0	0	9	0	0									
	21	10219	35	32	26	32	06	82	0	02	0	0	0	9	0	0				18	19	322	0005	37	31
18	00	10214	36	33	27	32	13	82	2	02	0	2	5	6			7								
	03	10208	36	33	27	31	15	82	1	02	0	1	5	5			7								
	06	10205	37	34	29	31	14	82	1	02	0	1	5	6			7								
	09	10207	37	35	32	31	11	82	2	02	0	2	5	6			7								
	12	10205	38	36	33	31	12	82	7	03	2	5	5	6	2		7	7							
	15	10202	38	37	37	32	17	74	8	03	2	8	5	4			7								
	18	10209	38	38	38	31	10	61	8	20	5	8	6	4			7								
	21	10208	39	39	39	31	10	48	8	51	5	8	6	2			7			31	20	163	0000	40	35

Results of Surface Observations,
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LOCAL STANDARD TIME			TEMPERATURES			SURFACE WIND												DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST				EXTREME TEMPERATURES	
DAY	HOUR	STATION LEVEL PRESSURE	DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED	VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD AMOUNT	LOW CLOUD TYPE	LOW CLOUD BASE	MIDDLE CLOUD	HIGH CLOUD	LOW	MIDDLE	HIGH	DIRECTION	SPEED	ANEMOMETER WIND RUN	PRECIPITATION	MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	° × 10	kt	VV	Oktas	ww	w	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	° × 10	kt	St. miles	Points	°F	°F
19	00	10206	38	38	38	32	07	08	8	47	5	8	6	0			7								
	03	10203	38	38	38	31	10	60	5	01	4	5	6	3			7								
	06	10194	38	38	38	31	15	63	3	02	1	3	6	2			7								
	09	10194	38	38	38	30	11	08	0	44	4	0	0	9	0	0									
	12	10185	38	38	37	29	16	74	7	02	4	7	6	4			6								
	15	10173	40	39	38	31	14	74	8	03	2	8	5	4			6								
	18	10170	40	39	39	28	12	66	8	02	5	8	5	4			6								
	21	10173	39	39	39	29	10	48	8	20	5	8	6	2			6			29	21	293	0001	40	35
20	00	10176	35	35	35	18	07	58	7	50	5	7	5	4			4								
	03	10180	33	32	30	26	04	66	4	85	8	4	2	4			5								
	06	10168	34	33	31	28	11	80	8	02	8	8	8	4			6								
	09	10152	35	33	28	29	19	80	7	02	2	7	5	5			6								
	12	10123	36	34	29	29	21	80	7	02	2	7	5	5			6								
	15	10091	38	36	33	29	23	80	7	02	2	7	5	5		6	6								
	18	10068	38	36	34	29	26	74	7	02	2	7	5	5			6								
	21	10054	38	37	35	29	23	74	8	02	2	8	5	4			6			29	39	215	0001	39	32
21	00	10040	38	38	38	30	21	58	8	03	8	8	5	4			7								
	03	10027	39	38	37	29	20	58	8	60	6	7	5	4	2		6								
	06	10007	39	39	38	30	24	66	7	60	6	7	8	4			6								
	09	10002	40	39	38	30	23	66	8	20	6	8	8	4			6								
	12	9980	40	40	40	30	23	56	8	50	5	8	5	3			6								
	15	9957	40	40	40	31	26	60	8	50	5	8	5	4			7								
	18	9932	41	39	38	31	30	63	8	02	5	8	5	4			7								
	21	9924	38	38	38	30	26	61	8	21	6	6	8	5	2		6			31	43	496	0001	41	36
22	00	9918	40	39	38	31	24	66	8	25	2	8	8	5			6								
	03	9952	37	34	29	28	24	74	7	25	8	7	8	5			6								
	06	10001	34	32	27	28	20	74	5	26	8	5	2	5			6								
	09	10059	33	30	23	21	04	82	3	02	1	3	8	5			5								
	12	10087	35	32	27	27	13	82	1	01	1	1	2	5			5								
	15	10115	33	32	30	27	16	82	2	26	8	2	2	5			5								
	18	10143	35	34	32	27	10	82	1	01	8	1	1	5			6								
	21	10170	37	35	32	28	13	80	5	03	2	5	8	5			6			27	43	552	0009	41	30
23	00	10181	38	35	30	30	19	74	7	03	2	7	8	5			6								
	03	10186	38	37	34	30	23	74	5	27	2	5	8	5			6								
	06	10186	39	38	36	30	26	80	5	02	2	5	8	5			6								
	09	10194	41	38	34	32	25	80	7	02	2	6	5	6	7		6	5							
	12	10187	41	39	36	31	30	58	7	02	2	7	5	4			7								
	15	10203	41	40	39	31	25	74	7	02	5	7	8	4			6								
	18	10227	41	40	39	31	18	74	7	02	2	7	5	5			6								
	21	10245	41	40	38	32	17	80	7	02	2	7	5	6			6			31	41	398	0000	42	36
24	00	10260	42	40	38	32	17	74	8	02	2	8	5	5			6								
	03	10269	41	39	37	32	17	74	7	02	2	7	5	5			6								
	06	10268	40	39	39	32	17	80	2	01	8	2	5	5			6								
	09	10269	40	39	38	32	12	80	7	02	2	7	5	5			7								
	12	10262	41	40	40	32	17	80	7	03	2	7	5	4			7								
	15	10262	40	39	39	32	18	80	7	03	5	7	5	5			7								
	18	10262	40	39	38	32	11	82	1	01	1	1	5	5			7								
	21	10261	40	39	37	32	15	80	7	03	1	7	5	5			7			32	28	494	0000	42	39
25	00	10251	39	39	38	31	16	74	6	80	8	6	8	5			7								
	03	10236	40	39	39	32	12	80	4	02	8	4	5	5			7								
	06	10228	40	40	40	33	09	66	5	20	5	5	6	3			7								
	09	10211	40	40	40	33	12	74	8	02	2	1	5	4	1	6	7	7	6						
	12	10197	40	40	40	32	18	66	8	02	2	7	5	4		8	7		6						
	15	10188	40	40	40	32	15	66	8	03	2	8	6	4			7								
	18	10189	41	41	40	32	14	66	8	02	2	6	5	5	3		7	6							
	21	10188	41	41	41	31	17	48	8	50	5	5	6	2	1		7	6		32	25	409	0008	41	38
26	00	10199	39	39	39	28	06	66	7	01	5	2	5	4	1		6	6							
	03	10213	36	35	31	19	01	74	7	02	2	2	5	4	1		5	6							
	06	10224	36	34	30	19	02	80	4	01	1	3	5	5	3		5	6							
	09	10240	35	33	30	00	00	80	8	03	2	3	5	5	3	6	7	7	7						
	12	10220	37	35	31	03	02	80	7	03	2	0	0	9	7	6		6	6						
	15	10203	37	36	35	00	00	24	8	51	2	8	6	2			7								
	18	10187	37	37	37	00	00	16	8	50	5	8	6	1											
	21	10183	39	39	39	27	02	16	8	02	5	8	6	0			6			28	15	298	0001	40	33
27	00	10174	38	38	38	00	00	66	7	02	4	7	6	3			6								
	03	10169	36	36	36	00	00	48	8	40	4	8	6	2			6								
	06	10177	35	34	32	30	04	80	2	02	0	2	5	4			6								
	09	10191	35	34	32	00	00	82	2	02	0	2	5	5			0								
	12	10179	39	37	35	00	00	82	1	02	0	1	5	6			0								
	15	10168	37	36	34	00	00	80	2	02	0	1	5	5		1	0								
	18	10153	34	33	31	00	00	80	2	02	0	1	5	5		6	0		6						
	21	10137	35	35	35	32	07	74	8	03	2	8	5	5			7			25	14	023	0001	41	34

Results of Surface Observations,
MACQUARIE – Jul., 1961

LOCAL STANDARD TIME			TEMPERATURES			SURFACE WIND						LOW CLOUD					DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST				EXTREME TEMPERATURES	
DAY	HOUR	STATION LEVEL PRESSURE	DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED	VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	AMOUNT	TYPE	BASE	MIDDLE CLOUD	HIGH CLOUD	LOW	MIDDLE	HIGH	DIRECTION	SPEED	ANEMOMETER WIND RUN	PRECIPITATION	MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	° × 10	kt	VV	Oktas	ww	w	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	° × 10	kt	St.miles	Points	°F	°F
28	00	10110	34	34	34	32	06	74	5	41	2	5	5	5			7								
	03	10083	36	36	36	29	06	74	2	40	4	2	5	5			7								
	06	10062	36	35	33	00	00	80	4	40	4	1	5	5		5			6						
	09	10043	37	36	34	00	00	80	3	02	1	0	0	9	0	6									
	12	10018	38	37	36	16	10	82	7	03	2	1	5	4		6	4		6						
	15	9993	36	35	36	16	12	32	8	41	4	0	0	9	3	5		1							
	18	9975	37	37	36	15	14	48	8	41	4	8	6	3			3								
	21	9949	37	37	37	15	16	56	8	61	5	7	7	3	2		3			15	20	105	0000	39	33
29	00	9909	38	38	38	15	14	56	8	61	6	7	7	3	2		3								
	03	9870	38	38	38	15	12	16	8	51	6	8	6	1			3								
	06	9841	38	38	38	17	16	16	8	53	5	8	6	1			4								
	09	9823	37	37	37	17	17	32	8	61	6	8	7	2			4								
	12	9811	36	36	36	17	17	08	8	53	6	8	6	2			4								
	15	9797	36	35	34	16	23	48	8	20	5	8	7	3			4								
	18	9799	34	34	33	16	26	58	8	02	2	6	7	4	2		4								
	21	9816	34	33	31	16	23	66	8	02	2	8	5	5			4			16	30	257	0039	39	32
30	00	9828	33	32	30	16	20	74	7	26	2	7	2	5			4								
	03	9848	33	32	30	16	13	74	7	26	8	7	8	5			4								
	06	9858	33	30	25	16	10	66	7	85	8	7	2	4			4								
	09	9870	34	32	28	00	00	74	7	16	2	6	1	4		8	5								
	12	9861	34	32	29	34	06	74	8	02	2	8	8	5			7								
	15	9844	37	35	32	33	12	74	7	25	8	4	8	5	7	8	7	7							
	18	9809	39	39	38	34	17	48	8	61	2	8	7	4			7								
	21	9790	41	40	38	32	14	74	8	02	6	8	5	5			7			30	33	363	0012	42	32
31	00	9790	39	37	36	30	20	80	7	25	2	6	8	4	3		7								
	03	9801	37	35	33	27	24	66	8	83	8	8	8	4			6								
	06	9826	36	33	28	27	26	80	7	80	8	7	2	5			6								
	09	9853	33	33	33	28	22	66	7	86	8	7	2	5			6								
	12	9875	36	33	27	28	23	66	7	26	8	7	2	5			6								
	15	9896	36	31	21	27	27	74	6	02	8	6	2	5			6								
	18	9911	36	31	22	27	17	74	5	02	2	5	2	5			6								
	21	9914	37	33	25	30	19	80	7	02	2	7	8	5			6			28	41	430	0012	40	31

Results of Surface Observations,
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LOCAL STANDARD TIME			TEMPERATURES			SURFACE WIND							LOW CLOUD					DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST				EXTREME TEMPERATURES	
DAY	HOUR	STATION LEVEL PRESSURE	DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED	VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	AMOUNT	TYPE	BASE	MIDDLE CLOUD	HIGH CLOUD	LOW	MIDDLE	HIGH	DIRECTION	SPEED	ANEMOMETER WIND RUN	PRECIPITATION	MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
01	00	9902	37	35	29	31	18	82	2	25	8	2	8	5	0	0	6								
	03	9874	39	38	37	34	20	80	8	03	2	1	5	5	1		8	7							
	06	9823	40	39	38	34	28	32	8	61	6	2	7	3	2		8	7							
	09	9842	39	36	31	28	17	74	8	02	6	4	8	5		8	6		7						
	12	9840	39	36	31	31	12	80	7	02	2	2	1	5	7	8	7	7	7						
	15	9833	39	36	30	32	09	80	4	01	2	1	5	5	7	1	7	7							
	18	9823	38	37	34	36	07	80	1	02	1	1	5	5	0	0	8								
	21	9801	39	38	37	02	17	66	7	50	5	7	5	4			8			29	37	493	0007	42	36
02	00	9759	40	39	38	02	12	56	8	61	6	6	7	3	2		8								
	03	9708	40	39	39	34	28	48	8	60	6	6	7	4	2		8								
	06	9714	38	35	30	28	14	80	8	02	2	3	5	4	1	7	6								
	09	9718	38	35	30	28	04	80	8	03	2	6	8	5	2		6	7							
	12	9725	33	33	32	02	07	48	8	71	6	7	7	4	2		8	7							
	15	9738	31	31	30	22	11	74	7	26	8	6	8	4	7		5	6							
	18	9787	35	34	31	30	17	80	4	02	8	4	8	5	0	0	6								
	21	9816	35	34	31	29	17	74	4	02	2	4	8	5	0	0	6			29	39	414	0015	42	31
03	00	9856	32	31	29	24	04	74	4	26	2	4	2	5	0	0	6								
	03	9899	31	30	28	23	07	74	6	26	2	6	8	5	0	0	5								
	06	9941	32	30	25	20	11	74	7	26	2	7	8	5			5								
	09	9988	33	28	17	23	09	80	7	02	2	7	5	6			5								
	12	10009	33	29	23	28	13	80	8	16	2	8	8	6			5								
	15	10024	34	31	25	28	16	82	7	16	2	4	2	5	0	8	6		5						
	18	10025	35	32	26	29	17	80	6	25	8	7	8	5		8	6		5						
	21	10013	38	35	30	30	25	74	7	03	2	7	8	5			6			30	41	216	0006	39	30
04	00	9992	38	37	37	31	30	58	8	61	6	8	7	4			7								
	03	9975	40	39	39	32	25	66	8	21	6	4	8	5	2		7								
	06	9964	41	40	39	31	25	74	8	03	2	8	8	5			7								
	09	9955	41	40	39	30	21	74	8	02	2	8	5	4			6								
	12	9956	39	38	37	28	27	66	8	02	6	8	4	4			6								
	15	9974	36	35	33	26	20	58	8	83	8	7	8	4	4		6								
	18	10016	36	35	33	23	10	80	3	26	8	3	8	4	0	0	5								
	21	10066	35	32	26	24	11	80	4	26	8	4	8	5	0	0	5			27	41	490	0004	41	32
05	00	10108	33	32	29	19	15	80	2	01	8	2	5	5	0	0	4								
	03	10157	32	30	25	19	08	80	2	02	5	5	8	5	0	0	4								
	06	10178	32	31	28	20	05	80	6	02	1	6	5	5	0	0	4								
	09	10199	33	31	26	28	04	80	7	02	2	7	5	4			6								
	12	10203	34	33	33	32	12	80	7	03	2	4	5	4	0	4	7		4						
	15	10196	38	36	33	32	18	80	7	02	2	7	5	5			6								
	18	10193	39	39	39	32	15	74	8	02	2	8	5	5			6								
	21	10192	41	41	41	32	16	63	8	51	5	8	6	2			7			32	24	283	0004	42	31
06	00	10193	41	41	41	32	14	66	4	01	5	4	6	4	0	0	7								
	03	10194	42	41	40	31	13	74	8	02	5	8	5	4			7								
	06	10197	42	42	42	32	11	60	8	50	2	8	6	3			7								
	09	10204	42	42	42	30	12	05	8	47	4	8	6	0			7								
	12	10197	41	41	41	32	14	05	8	45	4	8	6	0			7								
	15	10196	41	41	41	31	11	08	8	45	4	8	6	0			7								
	18	10205	41	41	41	31	07	04	8	51	5	8	6	0			7								
	21	10208	41	41	41	30	09	08	8	51	4	8	6	0			7			31	22	330	0001	43	39
07	00	10198	41	40	40	31	16	56	7	01	5	7	6	4			7								
	03	10181	41	41	41	33	14	66	7	21	6	7	5	7			7								
	06	10170	41	41	41	33	14	66	8	02	2	3	5	7	1		7								
	09	10154	42	42	42	34	12	66	8	03	2	8	5	4			7								
	12	10123	42	42	42	34	12	66	8	20	2	8	6	4			7								
	15	10101	43	43	43	34	18	66	8	20	5	8	6	3			7								
	18	10111	41	41	41	32	17	48	8	20	5	8	6	2			7								
	21	10113	41	41	41	31	17	48	7	50	5	7	7	3			7			30	30	326	0002	43	40
08	00	10111	41	41	41	31	17	61	7	02	5	7	7	2			7								
	03	10093	41	41	41	32	18	58	8	02	5	8	6	3			7								
	06	10079	41	41	41	33	22	66	8	02	2	8	5	4			7								
	09	10086	42	42	42	33	19	74	7	03	2	7	5	4			7								
	12	10075	43	43	43	33	19	74	8	20	2	8	5	4			7								
	15	10078	43	43	42	32	17	80	7	02	5	2	5	4	4	8	7	6	6						
	18	10084	43	42	41	32	21	74	8	03	2	8	5	4			7								
	21	10088	43	43	42	32	19	66	8	03	2	8	5	4			7			32	30	495	0004	44	40
09	00	10089	43	43	43	32	19	66	8	20	5	8	5	4			7								
	03	10079	43	43	43	33	22	66	8	02	2	8	5	4			7								
	06	10070	43	43	43	34	23	66	8	02	5	8	5	4			7								
	09	10059	43	43	43	34	26	66	7	21	6	0	0	9	7			7							
	12	10047	43	43	41	34	23	74	7	02	2	0	0	9	3			7							
	15	10033	43	43	42	34	24	74	7	02	6	4	5	4	7		7	7							
	18	10018	43	43	42	34	24	74	2	02	1	2	5	3	0	0	7								
	21	10010	43	43	42	34	26	74	2	02	1	2	5	4	0	0	7			34	37	504	0001	44	41

Results of Surface Observations,
MACQUARIE – Aug., 1961

LOCAL STANDARD TIME			TEMPERATURES			SURFACE WIND						LOW CLOUD					DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST				EXTREME TEMPERATURES	
DAY	HOUR	STATION LEVEL PRESSURE	DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED	VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	AMOUNT	TYPE	BASE	MIDDLE CLOUD	HIGH CLOUD	LOW	MIDDLE	HIGH	DIRECTION	SPEED	ANEMOMETER WIND RUN	PRECIPITATION	MAXIMUM	MINIMUM
		mb × 10^{-1}	°F	°F	°F	°×10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
10	00	9994	44	44	44	34	27	66	8	03	2	8	5	5			7								
	03	9978	43	43	43	34	27	56	8	61	6	8	7	3			7								
	06	10025	35	35	34	28	10	66	8	25	6	8	8	4			6								
	09	10054	37	33	25	27	14	82	3	02	0	3	1	5	0	8	6		7						
	12	10071	39	34	24	27	09	82	1	02	0	1	5	7	0	0	6								
	15	10083	39	35	28	30	10	82	4	02	2	4	8	5	0	0	6								
	18	10090	39	34	25	32	10	82	5	03	1	5	5	6	0	0	6								
	21	10095	39	35	28	33	11	74	8	03	2	8	5	6			7			34	37	561	0009	45	35
11	00	10081	38	36	33	34	14	74	7	03	2	7	8	5			7								
	03	10066	38	36	33	33	14	74	7	25	8	7	8	5			7								
	06	10055	40	37	33	34	11	74	7	02	2	7	5	6			7								
	09	10046	40	40	40	35	12	63	8	50	6	6	5	4	2		8								
	12	10044	40	40	40	30	17	63	8	50	6	8	5	4			6								
	15	10064	39	38	37	29	17	58	7	80	5	7	8	4			6								
	18	10088	39	38	37	27	20	60	7	50	5	7	5	3			6								
	21	10109	40	40	40	29	17	61	8	50	5	8	5	4			6			28	33	284	0002	42	37
12	00	10130	41	39	37	27	25	66	8	20	5	8	5	4			6								
	03	10141	41	40	39	28	19	66	7	03	2	7	8	4			6								
	06	10154	41	41	40	28	19	74	7	02	2	6	8	4	0	1	6		6						
	09	10172	41	40	39	29	17	74	8	02	2	6	8	4	3	8	6	6	6						
	12	10172	41	41	41	29	17	60	8	50	5	8	5	3			6								
	15	10174	41	41	41	30	17	32	8	51	5	8	5	3			6								
	18	10184	41	41	41	30	18	48	8	51	5	8	5	3			6								
	21	10186	41	41	41	30	19	48	7	50	5	7	7	2			6			27	38	411	0003	42	39
13	00	10185	41	41	41	30	18	56	8	02	2	8	6	2			6								
	03	10187	41	41	41	30	17	58	8	02	2	8	6	4			6								
	06	10183	41	41	41	30	20	32	8	50	5	8	6	3			6								
	09	10177	42	42	42	33	18	61	8	50	5	8	6	3			6								
	12	10164	43	42	42	32	23	60	8	50	5	8	6	3			6								
	15	10171	43	42	42	28	24	48	8	51	5	7	6	2	7		6	6							
	18	10192	39	37	34	27	23	80	3	02	1	3	5	6	0	0	6								
	21	10205	39	36	32	27	25	80	1	02	0	1	1	5	0	0	6			27	40	449	0001	43	38
14	00	10206	38	36	33	28	21	80	0	02	0	0	0	9	0	0									
	03	10209	39	36	33	28	23	80	0	02	0	0	0	9	0	0									
	06	10217	38	36	32	27	16	82	0	02	0	0	0	9	0	0									
	09	10227	39	37	35	28	14	82	0	02	0	0	0	9	0	0									
	12	10204	40	39	36	30	15	82	0	02	0	0	0	9	0	0									
	15	10183	40	39	38	31	19	82	3	03	0	3	1	5	0	0	6								
	18	10158	41	41	41	32	15	08	8	47	4	8	6	0			7								
	21	10135	42	42	42	31	20	08	8	50	5	8	6	0						27	34	479	0001	42	37
15	00	10101	42	42	42	31	23	32	8	50	5	8	6	2			7								
	03	10075	42	42	42	31	25	48	8	02	5	8	6	3			7								
	06	10051	42	42	42	32	24	60	8	51	2	8	6	3			7								
	09	10049	42	42	42	30	17	32	8	60	5	7	6	2	2		6								
	12	10049	42	42	42	30	14	56	8	60	6	7	7	2	2		6								
	15	10056	40	39	38	28	15	74	7	21	6	6	5	4	3		6								
	18	10078	37	36	34	27	10	74	7	02	2	7	5	4			6								
	21	10094	36	35	32	27	10	74	7	02	2	7	5	4			6			32	35	491	0004	43	34
16	00	10105	35	33	30	27	07	80	2	02	1	2	5	5	0	0	6								
	03	10094	36	35	32	28	09	80	8	03	1	7	5	6	7		6								
	06	10080	37	37	37	30	13	74	8	50	2	8	5	4			6								
	09	10059	40	39	39	32	10	32	8	61	6	6	5	2	2		7								
	12	10003	41	41	41	31	25	32	8	63	6	7	7	2	2		7								
	15	10016	38	37	35	28	30	80	7	80	6	7	2	4			5								
	18	10064	36	35	33	25	17	80	2	25	8	2	8	5	0	0	5								
	21	10112	36	34	31	20	16	74	5	25	8	5	8	4	0	0	5			27	50	260	0010	42	34
17	00	10152	35	33	29	25	11	80	3	02	0	3	1	5	0	0	5								
	03	10169	36	35	32	27	24	80	2	02	0	2	4	4	0	0	6								
	06	10180	37	36	34	28	19	80	2	03	2	5	4	4	0	0	6								
	09	10201	39	37	35	28	17	80	5	02	2	5	5	4	0	0	6								
	12	10206	38	37	35	27	21	80	4	02	1	4	5	5	0	0	6								
	15	10216	38	37	35	27	18	80	7	02	2	7	5	4			6								
	18	10218	37	37	35	27	17	74	7	02	2	7	5	3			6								
	21	10223	37	36	35	28	18	66	8	02	2	8	5	3			6			27	37	432	0044	40	34
18	00	10213	39	39	39	29	12	66	8	02	2	8	7	3			6								
	03	10212	41	40	40	31	16	66	8	02	2	8	6	3			7								
	06	10204	41	41	41	31	19	66	8	02	2	8	5	3			7								
	09	10201	42	42	42	32	20	66	8	02	2	8	6	2			7								
	12	10196	43	43	43	32	19	60	8	02	2	8	5	3			7								
	15	10193	42	42	41	32	17	74	8	02	2	8	5	4			7								
	18	10187	41	41	41	33	19	58	8	50	2	8	6	2			7								
	21	10173	41	40	40	32	21	74	8	02	5	8	5	5			7			32	32	445	0000	43	39

Results of Surface Observations,
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LOCAL STANDARD TIME			TEMPERATURES			SURFACE WIND						LOW CLOUD					DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST				EXTREME TEMPERATURES	
DAY	HOUR	STATION LEVEL PRESSURE	DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED	VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	AMOUNT	TYPE	BASE	MIDDLE CLOUD	HIGH CLOUD	LOW	MIDDLE	HIGH	DIRECTION	SPEED	ANEMOMETER WIND RUN	PRECIPITATION	MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°× 10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°× 10	kt	St.miles	Points	°F	°F
19	00	10154	41	41	39	32	23	74	8	02	2	8	5	6			7								
	03	10138	42	42	42	33	23	48	8	51	5	8	6	2			7								
	06	10141	42	42	42	32	17	16	8	51	5	8	6	2			7								
	09	10139	42	42	42	32	17	16	8	20	5	8	6	2			7								
	12	10122	42	42	42	33	23	05	8	47	4	8	6	0			7								
	15	10107	42	42	42	33	23	48	8	02	4	8	6	2			7								
	18	10104	42	42	42	33	23	56	8	02	2	8	5	5			7								
	21	10100	42	42	42	33	23	66	8	50	5	8	5	5			7			32	32	515	0001	43	41
20	00	10092	42	42	42	33	24	74	8	02	5	8	5	5			7								
	03	10080	43	42	41	33	26	74	8	02	2	8	5	6			7								
	06	10074	42	42	42	33	24	63	8	03	2	8	5	4			7								
	09	10082	43	43	43	33	21	61	8	02	2	8	6	3			7								
	12	10107	39	39	39	17	13	48	8	50	6	8	6	2			4								
	15	10128	37	37	37	14	10	32	8	50	5	8	6	2			3								
	18	10134	37	37	37	14	12	32	8	51	5	8	6	2			3								
	21	10127	40	40	40	16	03	08	8	58	6	8	6	2			3			33	33	569	0000	44	36
21	00	10107	44	44	44	01	14	48	8	21	6	8	7	2			8								
	03	10092	43	43	43	36	16	56	8	02	2	8	7	3			8								
	06	10078	44	44	44	35	18	32	8	61	6	8	7	3	2		8								
	09	10081	44	44	44	34	21	56	8	21	6	8	6	3			8								
	12	10076	44	44	44	34	21	60	8	02	5	7	7	3	2		8								
	15	10068	44	44	44	35	18	56	8	02	2	8	7	3			8								
	18	10059	44	44	44	36	14	48	8	50	2	8	6	2			8								
	21	10040	44	44	44	01	20	32	8	61	6	7	7	2	2		8			01	37	330	0021	45	43
22	00	9995	44	44	44	36	10	16	8	51	6	8	6	1			8								
	03	9972	44	44	44	35	17	16	8	61	6	8	6	1			8								
	06	9961	44	44	44	35	20	16	8	02	6	8	7	2			8								
	09	9963	43	43	43	35	12	08	8	47	2	8	6	0			8								
	12	9936	45	45	45	02	16	32	8	61	4	8	6	2			7								
	15	9932	43	43	43	32	16	04	8	47	6	8	6	0			7								
	18	9978	41	41	41	31	23	60	8	50	4	8	6	2			7								
	21	9999	42	41	40	32	26	66	8	03	5	8	5	4			7			36	37	480	0019	45	38
23	00	10046	39	37	34	28	23	80	6	01	2	3	5	5		5	6		7						
	03	10073	37	35	32	28	15	74	7	03	2	5	5	5		8	6		7						
	06	10084	39	36	32	28	11	80	6	03	2	6	5	5			6								
	09	10096	40	37	32	30	12	82	1	01	2	1	5	6	0	0	6								
	12	10097	40	39	38	29	12	80	6	15	2	6	2	5			6								
	15	10102	39	37	34	28	09	80	4	02	1	4	1	5	0	0	6								
	18	10101	37	36	33	29	10	80	3	01	1	1	1	5	0	8	6								
	21	10091	38	36	32	31	14	80	8	03	2	8	5	6			7			28	32	424	0009	43	35
24	00	10064	37	37	37	34	22	66	8	60	7	7	5	5	2		7								
	03	10039	38	38	37	28	23	74	5	01	8	5	2	4			6								
	06	10046	36	36	36	27	22	74	7	26	8	7	2	5			6								
	09	10092	38	37	35	20	19	74	7	02	8	7	5	5			4								
	12	10149	36	35	33	19	19	74	8	02	2	8	5	5			4								
	15	10186	35	32	27	20	14	80	7	02	2	7	5	5			4								
	18	10214	35	32	27	21	10	80	7	02	2	7	5	6			5								
	21	10232	34	32	27	25	03	80	7	02	2	7	5	6			5			27	39	349	0008	40	33
25	00	10244	36	34	30	27	11	80	6	02	2	6	5	6	0	0	5								
	03	10244	38	36	34	28	17	80	7	02	2	7	5	5			6								
	06	10245	39	38	38	28	23	80	8	02	8	8	5	5			6								
	09	10256	39	39	39	28	23	74	8	20	2	8	5	4			6								
	12	10251	40	40	40	28	24	74	8	50	2	8	5	3			6								
	15	10264	41	41	41	28	17	61	8	20	5	8	5	3			6								
	18	10263	41	41	41	30	12	48	8	50	5	8	6	2			6								
	21	10265	40	40	40	28	12	16	8	51	5	8	6	2			6			29	31	316	0000	42	35
26	00	10266	40	39	39	28	13	80	7	51	5	7	5	4			6								
	03	10257	39	39	39	29	17	66	8	50	5	8	6	3			6								
	06	10243	41	41	41	29	18	55	8	50	5	8	6	3			6								
	09	10241	41	41	41	30	19	66	8	02	5	8	5	4			6								
	12	10219	42	42	42	30	24	58	8	50	5	8	6	3			6								
	15	10210	42	42	42	29	18	58	8	50	5	8	6	3			6								
	18	10208	41	41	41	29	16	32	8	50	5	8	6	3			6								
	21	10198	41	41	41	31	19	58	7	50	5	7	5	5			7			31	33	367	0000	43	38
27	00	10174	41	41	41	31	21	58	8	50	5	8	6	3			7								
	03	10150	41	41	41	31	26	63	8	02	5	8	5	4			7								
	06	10125	41	41	41	30	28	60	8	02	5	8	5	4			7								
	09	10110	42	42	41	31	28	66	8	02	2	8	5	5			6								
	12	10085	43	43	43	31	28	74	8	20	2	8	5	5			6								
	15	10063	42	42	42	31	25	74	8	20	2	6	5	5	1		6	6							
	18	10046	42	42	42	31	26	61	8	50	5	8	5	5			6								
	21	10028	42	41	41	31	26	66	4	01	2	4	8	4	0	0	7			31	43	548	0001	43	40

Results of Surface Observations,
MACQUARIE – Aug., 1961

LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°× 10	kt	VV	Oktas	ww	w	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°× 10	kt	St.miles	Points	°F	°F
28	00	9999	42	42	41	32	25	66	6	02	2	6	5	5	0	0	7								
	03	9968	42	42	42	32	28	66	8	02	2	8	5	5			7								
	06	9948	42	42	42	32	29	48	8	61	6	5	5	4	2		7	7							
	09	9979	36	36	35	28	22	80	7	80	6	7	8	4			6								
	12	9984	37	35	30	27	26	80	8	03	8	8	4	6			6								
	15	9984	37	35	32	29	24	80	8	02	2	8	5	6			6								
	18	9984	35	35	35	30	24	66	7	85	2	7	8	5			6								
	21	9979	37	35	32	30	23	66	8	02	2	8	8	5			6			32	41	685	0008	43	34
29	00	9959	36	35	33	29	22	74	8	26	8	8	8	5			6								
	03	9945	35	35	35	30	23	63	8	85	8	8	8	5			6								
	06	9932	35	34	32	29	17	80	7	26	8	4	2	5	3	8	6	6	6						
	09	9938	37	33	27	29	24	82	5	27	8	5	3	5	0	0	6								
	12	9952	35	32	26	29	16	80	6	27	8	6	3	4	0	0	6								
	15	9988	31	28	23	23	12	80	8	27	8	8	4	5			5								
	18	10022	29	26	17	21	09	80	8	02	8	8	4	6			5								
	21	10059	29	25	16	21	08	74	6	27	8	6	2	5	0	0	5			29	43	525	0003	39	28
30	00	10079	29	26	19	21	06	74	8	02	8	8	4	5			5								
	03	10090	30	28	24	27	12	74	8	03	8	8	8	5			5								
	06	10101	31	29	25	28	13	80	8	02	2	8	4	5			6								
	09	10104	33	30	24	28	17	80	7	02	2	7	5	6			6								
	12	10104	34	32	27	29	17	80	7	02	2	7	5	6			6								
	15	10104	36	34	30	28	17	80	8	02	2	8	5	5			6								
	18	10113	36	35	31	27	16	80	5	25	8	5	2	5	0	0	5								
	21	10129	35	32	26	28	13	80	5	25	8	5	2	5	0	0	5			28	34	257	0000	37	28
31	00	10141	35	33	28	27	10	80	5	02	8	5	8	5			6								
	03	10141	34	33	31	28	17	80	6	03	2	6	8	5			6								
	06	10146	34	33	31	28	17	80	6	03	2	6	4	5			6								
	09	10155	35	33	30	28	12	80	7	25	8	7	5	6			6								
	12	10154	36	34	30	28	13	80	8	02	2	8	5	5			6								
	15	10161	36	35	31	28	15	80	8	20	2	8	5	5			6								
	18	10163	36	34	31	28	14	80	8	02	2	8	5	5			6								
	21	10165	35	34	31	28	15	80	7	02	2	7	5	4			6			28	29	362	0002	37	33

Results of Surface Observations,
MACQUARIE – Sep., 1961

LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	w	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
01	00	10173	35	33	30	27	12	80	6	02	2	6	5	4			6								
	03	10167	35	34	32	28	17	80	5	01	1	5	5	4			6								
	06	10170	35	34	32	27	11	74	7	02	2	7	5	4			6								
	09	10177	36	35	34	28	17	74	7	02	2	7	5	4			6								
	12	10173	37	36	34	28	13	80	8	02	2	8	5	4			6								
	15	10174	36	35	33	28	10	80	8	02	2	8	5	4			6								
	18	10179	35	35	33	28	08	74	8	02	2	8	5	4			6								
	21	10183	35	35	33	29	09	66	8	02	2	8	5	3			6			27	29	326	0000	37	34
02	00	10181	35	35	33	29	07	63	8	02	5	8	5	4			6								
	03	10178	35	34	31	29	10	74	8	02	2	8	5	4			6								
	06	10185	35	35	35	28	09	58	7	50	2	7	5	3			6								
	09	10192	36	36	34	29	10	80	7	50	2	7	5	4			6								
	12	10189	37	37	36	30	13	80	8	02	2	8	5	4			6								
	15	10195	38	37	34	30	10	80	8	02	2	8	5	4			6								
	18	10203	38	36	33	30	10	80	8	02	2	8	5	4			6								
	21	10217	37	35	32	30	10	66	8	02	2	8	5	4			6			29	19	237	0000	39	34
03	00	10218	37	35	32	32	09	66	8	02	2	8	5	4			7								
	03	10218	37	36	35	32	15	61	7	50	1	7	5	4			7								
	06	10223	36	35	33	32	10	80	8	02	5	8	5	4			7								
	09	10227	37	36	34	33	12	80	6	02	2	6	8	4			7								
	12	10223	37	36	33	31	11	80	5	02	2	5	1	4			7								
	15	10213	38	36	33	33	14	80	8	02	2	8	5	5			7								
	18	10211	36	36	35	32	09	74	4	01	5	4	5	4			7								
	21	10216	38	36	33	34	12	74	8	03	2	8	5	4			7			34	20	261	0000	40	35
04	00	10209	38	37	35	32	12	58	8	50	2	8	5	4			7								
	03	10191	39	37	35	34	07	66	7	02	2	7	5	5			7								
	06	10180	41	41	41	01	11	66	7	50	2	7	6	3			8								
	09	10165	42	41	40	01	13	74	8	02	2	4	5	5	1		8	7							
	12	10140	43	41	40	36	16	74	8	03	2	6	5	6	2		8	7							
	15	10119	43	43	41	02	16	74	8	02	2	4	5	5	2		8	8							
	18	10112	43	43	43	02	14	61	8	50	5	6	7	3	2		8								
	21	10089	43	43	43	02	06	48	8	61	6	8	7	2			1			36	44	295	0000	45	37
05	00	10046	45	45	45	36	26	32	8	61	6	8	7	2			8								
	03	10023	44	44	44	02	17	48	8	61	6	8	7	2			8								
	06	10012	43	43	43	01	13	24	8	61	6	8	7	2			8								
	09	10014	42	42	42	35	12	04	8	45	6	8	6	0			8								
	12	10009	42	42	42	32	02	06	8	45	4	8	6	0			7								
	15	10000	44	44	44	01	09	08	8	45	4	8	6	0			8								
	18	9999	41	41	41	34	13	04	8	45	4	8	6	0			8								
	21	10016	40	40	40	32	12	04	8	45	4	8	6	0			7			36	39	416	0044	45	39
06	00	10019	40	40	40	33	15	24	8	51	4	8	6	2			7								
	03	10001	42	42	42	36	08	24	8	20	5	8	6	1			8								
	06	9985	43	43	43	35	22	08	8	47	4	8	6	0			8								
	09	9994	43	43	43	35	17	05	8	45	4	8	6	0			8								
	12	9987	43	43	43	35	21	05	8	45	5	0	6	0			8								
	15	9979	44	43	43	35	20	56	8	50	4	7	7	2	2		8	7							
	18	9973	44	44	44	36	19	32	8	60	5	7	7	2	2		8	7							
	21	9969	44	44	44	35	20	32	8	20	6	8	7	2			8			36	31	319	0002	45	39
07	00	9972	43	43	43	34	20	16	8	63	6	7	7	1	2		8								
	03	10004	41	40	39	28	13	58	8	02	6	8	5	5			6								
	06	10030	41	39	36	28	10	74	8	02	2	2	5	5	7		7								
	09	10060	41	41	41	32	07	82	3	02	8	2	9	4	3		7	6							
	12	10092	41	40	39	28	11	82	7	15	8	3	8	4	4		6	6							
	15	10129	41	39	37	28	15	82	3	25	2	3	8	5			6								
	18	10173	41	39	37	28	16	82	2	02	1	2	5	5			6								
	21	10215	41	40	40	29	12	80	2	02	0	2	5	5			6			32	25	454	0012	44	39
08	00	10239	40	40	40	31	14	80	1	02	0	1	4	5			6								
	03	10252	41	41	41	32	18	80	2	02	0	2	5	5			6								
	06	10263	42	42	42	32	17	80	5	03	1	3	5	5	3		6	6							
	09	10271	42	42	42	32	16	74	4	02	1	3	5	6		1	7		5						
	12	10264	43	43	43	33	17	60	8	03	2	8	5	3			7								
	15	10253	42	42	42	33	17	56	8	02	5	8	6	2			7								
	18	10240	42	42	42	33	19	61	8	02	2	8	6	4			7								
	21	10225	42	42	42	33	21	60	8	50	2	8	6	4			7			33	33	378	0001	44	39
09	00	10196	42	42	42	33	23	56	8	60	5	8	7	3			7								
	03	10184	41	41	41	28	19	61	8	61	6	7	5	5	2		6	7							
	06	10208	39	37	34	28	19	74	8	02	6	8	5	5			6								
	09	10227	40	38	35	28	22	80	7	16	2	7	8	5			6								
	12	10235	39	37	34	28	20	80	7	25	8	7	8	5			6								
	15	10246	38	35	31	28	23	80	8	02	2	8	8	5			6								
	18	10259	35	35	35	24	15	66	7	80	8	7	8	5			5								
	21	10268	37	36	33	28	17	74	7	02	2	7	8	5			6			27	47	493	0007	43	34

Results of Surface Observations,
MACQUARIE – Sep., 1961

LOCAL STANDARD TIME			TEMPERATURES			SURFACE WIND						LOW CLOUD					DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST				EXTREME TEMPERATURES	
DAY	HOUR	STATION LEVEL PRESSURE	DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED	VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	AMOUNT	TYPE	BASE	MIDDLE CLOUD	HIGH CLOUD	LOW	MIDDLE	HIGH	DIRECTION	SPEED	ANEMOMETER WIND RUN	PRECIPITATION	MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	° × 10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	° × 10	kt	St. miles	Points	°F	°F
10	00	10269	35	35	35	27	22	60	7	87	8	7	2	4			6								
	03	10267	36	36	35	27	23	80	1	25	0	1	2	5			6								
	06	10260	38	37	36	27	22	74	8	02	2	8	5	5			6								
	09	10257	40	38	35	28	21	74	1	02	0	1	1	4			6								
	12	10241	42	40	37	28	26	74	6	02	1	6	1	4			6								
	15	10230	42	40	37	28	23	74	7	03	2	5	1	4			6		5						
	18	10231	41	39	36	28	26	66	8	03	2	8	4	4		8	6								
	21	10230	40	39	37	27	26	66	8	50	2	8	5	5			6			27	42	486	0002	43	35
11	00	10207	41	40	39	28	32	74	2	01	2	2	5	5			6								
	03	10198	42	41	40	27	32	74	3	02	1	3	5	5			6								
	06	10218	42	41	40	28	22	61	8	50	2	8	5	3			6								
	09	10214	42	41	40	28	22	66	8	02	2	8	5	3			6								
	12	10218	41	40	39	28	19	66	8	02	2	8	5	3			6								
	15	10205	42	41	40	29	16	74	8	02	2	8	5	4			6								
	18	10200	42	41	40	31	17	66	8	02	2	8	5	4			6								
	21	10185	42	41	40	31	17	58	8	50	5	8	6	3			6			27	43	595	0000	43	39
12	00	10167	42	41	39	31	17	66	8	02	5	8	5	4			6								
	03	10139	42	41	40	32	17	63	8	02	2	8	5	4			7								
	06	10109	43	42	41	32	24	66	8	03	2	8	5	4			7								
	09	10096	44	43	40	32	28	66	8	03	2	8	5	4			7								
	12	10078	44	42	41	32	26	63	8	02	2	8	5	3			7								
	15	10068	43	43	43	32	22	32	8	51	5	8	6	2			7								
	18	10073	41	40	39	31	14	66	8	50	6	5	5	5	2		7	6							
	21	10067	41	39	37	30	15	66	8	20	5	5	5	5	2		6	6		32	38	519	0000	45	37
13	00	10057	39	37	34	29	14	74	7	25	8	7	8	5			6								
	03	10045	38	36	33	28	13	80	2	01	0	2	1	5			6								
	06	10024	39	37	34	31	15	80	8	02	2	8	8	5			6								
	09	10011	39	37	34	29	23	80	6	25	8	6	3	4			6								
	12	10013	37	36	33	28	23	82	4	15	8	4	3	4			6								
	15	10014	37	35	32	29	18	82	6	15	8	6	2	5			6								
	18	10015	33	32	28	27	21	80	5	26	8	5	8	4			6								
	21	10003	37	33	25	28	23	74	4	03	8	4	2	5			6			27	50	476	0009	42	32
14	00	9982	36	34	30	27	22	48	7	89	8	7	3	4			6								
	03	9946	35	33	29	28	23	66	5	26	8	5	8	5			6								
	06	9941	32	29	21	28	30	65	7	26	8	7	3	4			6								
	09	9950	29	27	22	27	25	74	4	85	8	4	3	5			6								
	12	9954	28	25	17	23	19	66	7	85	8	7	3	4			6								
	15	9955	29	25	16	23	18	74	7	85	8	7	2	4			5								
	18	9970	26	25	23	23	17	48	7	85	8	7	3	4			5								
	21	9976	27	25	21	25	17	48	7	85	8	7	3	4			5			27	66	557	0002	37	23
15	00	9972	26	25	23	24	12	58	6	85	8	6	3	4			5								
	03	9970	29	26	21	27	14	61	5	26	8	5	3	5			6								
	06	9973	28	25	17	22	08	74	5	26	8	5	3	5			5								
	09	9980	28	24	14	20	13	82	3	02	8	3	2	5			5								
	12	9988	31	27	19	20	09	82	6	15	1	6	2	5	3		5		5						
	15	10001	29	25	15	21	09	82	7	26	8	7	3	5			5								
	18	10019	26	25	23	24	08	32	7	86	8	7	3	5			5								
	21	10039	29	25	15	20	09	82	2	02	1	2	8	5			5			27	32	377	0000	32	24
16	00	10054	27	24	18	19	10	80	2	26	1	2	5	6			5								
	03	10070	28	25	17	23	10	80	4	02	8	4	8	5			5								
	06	10086	28	25	19	20	05	82	5	02	1	5	8	5			5								
	09	10097	30	26	17	24	03	66	7	85	8	7	8	5			5								
	12	10102	31	27	20	27	09	74	7	03	2	7	8	5			5								
	15	10100	32	29	22	27	08	74	8	02	2	8	4	5			6								
	18	10096	35	32	27	29	12	74	8	02	2	8	8	5			6								
	21	10088	35	34	33	33	13	66	8	03	2	8	5	4			7			33	24	209	0005	40	25
17	00	10072	39	39	37	31	16	74	8	60	6	8	5	4			7								
	03	10059	40	39	39	31	15	63	8	50	5	8	6	2			7								
	06	10054	40	39	39	30	14	66	8	20	5	8	5	3			6								
	09	10060	40	39	38	28	24	48	8	50	5	8	5	3			6								
	12	10062	39	37	34	28	21	74	8	02	5	8	5	5			6								
	15	10061	39	36	32	28	23	80	7	02	2	7	5	5			6								
	18	10064	38	35	30	28	25	74	7	02	2	7	5	5			6								
	21	10067	37	35	32	27	22	80	5	02	2	5	5	3			6			27	41	285	0003	41	36
18	00	10072	37	34	29	28	22	80	4	01	8	4	5	4			6								
	03	10079	37	34	29	28	18	80	3	02	0	3	5	4			6								
	06	10091	38	37	34	29	16	58	8	50	2	8	5	3			6								
	09	10101	41	41	41	29	15	32	8	20	5	8	6	2			6								
	12	10097	41	41	40	27	18	66	8	20	5	8	5	4			6								
	15	10082	42	42	42	31	19	66	8	50	5	8	6	3			7								
	18	10072	42	42	42	31	17	16	8	51	5	8	6	2			7								
	21	10060	42	42	42	30	19	32	8	50	5	8	6	2			7			28	37	440	0002	43	36

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MACQUARIE – Sep., 1961

LOCAL STANDARD TIME			TEMPERATURES			SURFACE WIND						LOW CLOUD					DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST				EXTREME TEMPERATURES	
DAY	HOUR	STATION LEVEL PRESSURE	DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED	VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	AMOUNT	TYPE	BASE	MIDDLE CLOUD	HIGH CLOUD	LOW	MIDDLE	HIGH	DIRECTION	SPEED	ANEMOMETER WIND RUN	PRECIPITATION	MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	w	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
19	00	10034	42	42	42	31	23	58	8	02	6	8	7	2			7								
	03	9999	42	41	41	31	30	48	8	60	6	8	7	2			7								
	06	9975	43	42	41	30	30	61	8	02	6	8	5	3			6								
	09	9973	43	42	40	30	26	74	7	03	2	6	5	4	3		6	6							
	12	9954	43	43	43	32	23	74	7	20	5	5	5	4	3		7	6							
	15	9915	43	43	42	32	30	58	8	61	5	7	7	3	2		7	6							
	18	9901	42	40	35	29	24	80	3	01	6	3	8	5			6								
	21	9913	41	37	33	28	26	74	6	03	2	6	8	5			6			29	43	519	0001	44	39
20	00	9904	41	39	36	29	21	66	7	03	2	5	8	5	3		6								
	03	9871	41	40	39	32	17	66	7	03	2	7	5	5			6								
	06	9814	39	39	39	01	16	56	8	61	6	7	7	2	2		8								
	09	9754	43	43	43	33	32	48	8	50	6	7	7	3	2		7								
	12	9725	43	42	42	32	24	56	8	02	6	7	7	3	2		7								
	15	9708	42	39	35	31	29	66	6	15	8	6	8	4			6								
	18	9697	39	38	36	31	29	66	2	26	8	2	8	4			6								
	21	9685	40	37	32	31	36	66	6	03	1	6	2	5			6			32	65	566	0020	44	33
21	00	9678	40	37	33	31	33	66	6	03	1	6	2	5			6								
	03	9661	37	37	37	31	26	58	8	61	2	7	7	4	2		7								
	06	9651	37	36	34	29	22	74	6	15	6	5	8	5	1		6								
	09	9651	37	33	27	29	23	80	3	01	8	2	5	5		5	6								
	12	9656	34	33	31	29	17	74	7	85	8	7	8	4			6								
	15	9673	34	32	28	21	10	80	4	85	8	4	2	4			5								
	18	9704	32	29	21	19	10	80	7	26	8	7	2	4			5								
	21	9733	31	27	20	20	10	80	7	26	8	7	8	5			5			32	43	716	0004	41	28
22	00	9754	30	27	20	19	10	80	7	15	8	7	8	4			5								
	03	9781	29	27	21	19	07	66	7	85	8	7	2	4			5								
	06	9803	29	27	22	18	11	74	7	15	2	7	8	5			5								
	09	9831	30	28	24	18	10	80	7	26	8	7	8	4			5								
	12	9848	30	28	25	19	10	80	7	85	8	7	9	4			4								
	15	9868	30	28	24	19	09	80	7	26	8	7	8	4			4								
	18	9887	30	27	22	19	08	80	6	01	8	6	4	5			4								
	21	9894	29	27	23	16	02	80	7	03	1	7	5	6			5			20	23	264	0002	32	27
23	00	9896	32	27	16	36	09	82	2	01	2	2	5	7			6								
	03	9885	34	30	22	34	17	82	2	02	0	2	8	5			7								
	06	9882	36	31	22	34	18	82	5	03	1	5	5	6		1	7		6						
	09	9881	37	35	33	35	17	74	7	03	2	5	5	4	3	6	8	7	6						
	12	9880	35	34	31	28	15	74	7	26	8	3	8	5		6	6		6						
	15	9890	36	34	30	29	14	74	7	26	2	6	9	4		8	6		6						
	18	9928	30	29	27	25	12	74	6	26	8	6	3	5			6								
	21	9977	32	28	18	20	11	82	4	01	8	4	1	5			5			34	43	263	0001	39	28
24	00	10006	34	30	23	27	11	82	3	02	8	3	1	5			5								
	03	10021	31	30	28	28	15	82	2	26	8	2	3	5			5								
	06	10040	33	31	26	24	07	82	2	26	8	2	3	5			5								
	09	10060	34	31	23	20	07	80	6	02	2	6	5	7			5								
	12	10045	35	32	26	35	02	80	8	03	2	3	5	7	2		5								
	15	10010	37	35	32	01	12	80	8	21	2	5	8	5	2		7	7							
	18	9955	37	37	35	36	23	58	8	61	6	7	7	4	2		7	7							
	21	9887	38	37	35	36	29	16	8	63	6	7	7	3	2		8			36	46	276	0015	43	29
25	00	9836	42	42	42	34	23	16	8	61	6	8	7	3			7								
	03	9821	42	42	42	34	22	48	8	21	6	6	6	2			8								
	06	9812	42	42	42	34	17	08	8	47	4	8	6	0			8								
	09	9796	43	42	43	34	17	48	8	50	4	8	6	1			8								
	12	9752	43	43	43	36	14	16	8	50	5	8	6	2			8								
	15	9727	43	43	43	35	14	56	8	20	5	8	6	2			8								
	18	9715	42	42	41	34	16	66	8	02	5	7	5	3	7		7	7							
	21	9700	41	40	38	32	24	61	8	03	2	8	5	4			7			27	43	466	0026	44	37
26	00	9726	39	37	34	28	21	74	6	02	8	6	2	5			6								
	03	9759	39	37	34	27	16	80	5	25	8	5	8	5			6								
	06	9791	39	37	33	28	11	82	4	15	2	4	8	5			6								
	09	9821	38	37	36	30	07	82	7	02	8	4	2	4	7		6	5							
	12	9842	39	38	36	30	15	80	4	26	8	1	1	4	3	8	6	6	6						
	15	9871	36	35	34	23	09	56	8	80	8	8	8	4			5								
	18	9912	34	31	26	25	09	74	8	02	8	8	8	5			5								
	21	9949	33	29	21	25	10	74	8	02	2	8	8	5			6			27	33	395	0007	42	31
27	00	9963	34	30	22	27	12	74	8	02	2	8	8	5			6								
	03	9963	35	31	24	30	17	74	8	02	2	8	8	5			6								
	06	9954	39	37	33	33	23	74	8	60	2	4	5	5	2		7								
	09	9942	41	40	40	33	24	56	8	50	5	8	6	2			7								
	12	9935	42	41	40	32	23	56	8	21	6	7	6	3	2		7								
	15	9930	42	41	41	32	17	66	7	01	2	5	6	3	3		7								
	18	9938	41	41	41	32	17	16	8	03	2	8	6	2			7								
	21	9928	42	41	41	32	23	16	8	50	5	8	6	2			7			33	35	343	0005	43	32

Results of Surface Observations,
MACQUARIE – Sep., 1961

LOCAL STANDARD TIME			TEMPERATURES			SURFACE WIND						LOW CLOUD					DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST				EXTREME TEMPERATURES	
DAY	HOUR	STATION LEVEL PRESSURE	DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED	VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	AMOUNT	TYPE	BASE	MIDDLE CLOUD	HIGH CLOUD	LOW	MIDDLE	HIGH	DIRECTION	SPEED	ANEMOMETER WIND RUN	PRECIPITATION	MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
28	00	9914	42	42	42	32	20	56	8	60	5	8	6	2			7								
	03	9891	42	42	41	33	25	56	8	50	5	8	6	2			7								
	06	9865	42	42	42	33	27	16	8	51	5	8	6	2			7								
	09	9839	42	42	42	33	29	56	8	61	6	8	7	2			7								
	12	9868	37	36	33	19	09	74	8	02	6	8	5	4			4								
	15	9902	35	34	31	23	03	61	8	68	7	6	5	4	2		5	6							
	18	9938	34	31	25	24	10	74	4	27	6	4	3	5			5								
	21	9964	30	29	27	27	07	74	3	26	1	3	8	5			5			33	35	578	0011	43	29
29	00	9997	33	29	22	22	07	82	0	01	1	0	0	9	0	0	9								
	03	10020	35	31	24	25	08	82	2	26	8	2	2	5			5								
	06	10041	37	33	23	27	23	82	4	16	1	4	2	4			6								
	09	10069	35	31	25	28	17	80	5	26	8	3	1	5	3		6								
	12	10080	37	34	27	27	23	80	5	15	2	5	3	5			6								
	15	10102	38	33	25	27	21	80	5	02	8	5	8	5			6								
	18	10116	37	33	26	28	17	80	7	02	2	7	8	5			6								
	21	10117	37	35	31	29	20	80	8	02	8	8	8	5			6			27	43	288	0005	39	30
30	00	10097	38	36	33	31	19	80	7	02	8	7	8	5			6								
	03	10073	38	36	33	31	23	80	8	27	8	8	8	5			7								
	06	10051	40	38	35	32	23	80	8	02	2	8	8	4			7								
	09	10027	42	40	37	33	24	80	8	03	2	5	8	4	7	8	7	5	5						
	12	9999	42	41	39	33	27	66	8	03	2	7	5	4	2		7								
	15	9964	41	41	39	33	26	58	8	61	5	7	7	3	2		7								
	18	9891	42	41	40	34	26	56	8	60	6	8	7	3			7								
	21	9791	42	42	42	34	36	08	8	63	6	7	7	2	2		8			34	52	498	0001	44	34

Results of Surface Observations,
MACQUARIE – Oct., 1961

LOCAL STANDARD TIME			TEMPERATURES			SURFACE WIND								LOW CLOUD					DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST				EXTREME TEMPERATURES	
DAY	HOUR	STATION LEVEL PRESSURE	DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED	VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	AMOUNT	TYPE	BASE	MIDDLE CLOUD	HIGH CLOUD	LOW	MIDDLE	HIGH	DIRECTION	SPEED	ANEMOMETER WIND RUN	PRECIPITATION	MAXIMUM	MINIMUM
		inHg × 10⁻¹	°F	°F	°F	° × 10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	° × 10	kt	St.miles	Points	°F	°F
01	00	9740	43	43	43	32	30	16	8	61	6	7	7	3	2		7								
	03	9731	42	42	42	31	27	32	8	60	6	6	5	3	2		7								
	06	9789	42	40	37	28	26	74	8	02	2	8	8	4			6								
	09	9877	41	38	34	28	26	74	8	50	2	8	8	4			6								
	12	9907	41	40	38	28	19	74	4	25	5	3	2	5	7	0	6	6							
	15	9912	42	39	36	31	19	74	8	02	2	8	5	5			6								
	18	9907	41	39	36	32	21	74	1	01	2	1	5	5	0	0	6								
	21	9890	41	40	36	33	26	74	8	03	1	8	5	5			7	7		27	43	693	0038	44	39
02	00	9857	42	40	37	33	24	66	8	02	2	8	5	5			7								
	03	9828	42	41	40	33	22	66	8	02	2	8	5	5			7	7							
	06	9807	41	41	40	33	21	80	8	20	5	8	5	4			7								
	09	9800	42	41	40	33	25	32	8	50	2	8	6	2			7								
	12	9815	42	40	37	29	11	80	3	01	2	1	0	4	3	0	6	6							
	15	9858	43	39	33	31	16	82	0	02	0	0	0	9	0	0									
	18	9863	40	40	38	33	20	80	3	02	1	1	5	5	3	8	7	7	6						
	21	9867	42	41	40	33	28	74	7	03	1	5	5	5	3		7	8		31	38	564	0002	44	38
03	00	9867	43	41	39	32	24	74	5	02	2	4	5	5	3	0	7	7							
	03	9865	41	41	40	33	19	74	4	02	1	2	5	5	3	8	7								
	06	9870	42	39	36	31	27	74	4	01	6	3	5	8	7	8	7	7							
	09	9892	42	40	37	32	15	80	3	25	1	0	0	0	0	1			7						
	12	9886	44	41	37	33	22	74	7	05	2	0	0	0	1	6			7						
	15	9850	43	41	39	34	27	63	8	03	2	6	5	5	1		7								
	18	9809	43	41	38	34	28	63	8	02	2	6	4	5	1	0	7			31	52	498	0005	44	36
	21	9820	40	39	37	32	19	74	4	02	6	4	8	4	0		7								
04	00	9858	39	37	33	31	26	80	0	02	8	0	0	9	0	0									
	03	9882	39	37	34	31	26	74	1	25	8	1	1	5	0	0	7								
	06	9917	41	38	33	32	24	74	1	02	0	1	2	5	0	0	7								
	09	9945	42	38	32	31	30	74	5	03	8	5	8	5	0	0	7								
	12	9958	42	40	37	33	26	74	5	03	8	3	8	5	1	4	7	7	7						
	15	9964	42	40	37	32	23	74	4	02	1	4	8	5	0	0	7								
	18	9961	42	40	37	33	30	74	1	02	0	1	4	5	0	0	7								
	21	9952	42	40	38	33	30	74	0	02	0	0	0	9	0	0				31	50	690	0008	43	33
05	00	9918	42	41	39	33	31	74	0	02	0	0	0	9	0	0									
	03	9876	43	41	38	33	33	66	6	02	2	6	5	5	0	0	7								
	06	9831	42	41	39	34	35	60	8	03	2	5	5	5	2		7	7							
	09	9782	42	42	41	34	36	32	8	61	6	7	7	3	2		7	7							
	12	9798	42	41	38	31	23	74	6	03	6	8	7	5	2	8	7								
	15	9814	41	38	33	31	26	80	4	02	8	3	4	5	2	1	7								
	18	9863	39	35	28	28	24	74	6	03	8	6	2	5	0	0	6								
	21	9902	34	33	31	29	26	32	7	86	8	7	8	5			6			31	53	759	0004	44	33
06	00	9931	33	32	29	27	29	48	6	85	8	6	8	5	0	0	6								
	03	9949	37	33	24	31	21	82	1	02	0	1	5	3	0	0	6								
	06	9997	31	30	29	29	35	80	7	26	8	5	3	4	3		6	6							
	09	10085	37	32	22	28	23	74	6	15	2	6	3	4	0	0	6								
	12	10122	38	37	34	28	21	80	1	26	8	1	2	5	0	0	6								
	15	10155	41	37	30	29	17	80	1	02	0	1	1	5	0	0	6								
	18	10162	41	39	36	32	20	80	7	03	0	0	0	9	7			6							
	21	10149	41	39	37	32	27	80	3	02	1	3	5	6	0	0	6			28	72	579	0007	43	29
07	00	10130	42	40	37	32	29	66	8	03	2	8	5	5	4		7								
	03	10114	43	41	39	32	30	66	8	02	2	8	5	5	4		7								
	06	10098	43	41	39	32	31	56	8	03	2	7	7	3	2		7	7							
	09	10088	42	42	42	32	30	56	8	61	6	7	7	3	2		7								
	12	10078	43	42	41	32	29	56	8	50	6	7	7	3	2		7								
	15	10069	42	42	42	32	26	56	8	50	6	7	7	3	2		7								
	18	10086	37	37	37	19	14	48	8	61	6	7	6	2	2		4								
	21	10102	35	35	34	14	11	32	8	51	6	8	6	3			3			32	43	626	0002	44	34
08	00	10093	36	35	35	09	04	16	8	61	6	8	6	2			2								
	03	10066	42	42	42	33	24	32	8	60	5	8	6	2			7								
	06	10058	42	42	42	32	23	48	8	50	5	8	6	2			7								
	09	10098	41	38	33	28	30	74	8	02	5	8	5	5			7								
	12	10126	41	38	33	28	24	80	3	25	8	3	1	5	0	0	6								
	15	10152	41	38	32	28	17	80	3	02	0	3	1	5	0	0	6								
	18	10163	39	36	31	29	16	82	3	02	0	1	5	5	0	1	6								
	21	10163	39	37	35	32	10	80	0	02	0	0	0	9	0	0				29	39	439	0016	43	35
09	00	10122	39	38	37	35	16	74	7	02	2	0	0	9	4	1			7						
	03	10066	41	40	39	36	21	56	7	61	6	7	7	6	2	2		8	7						
	06	10009	42	42	42	34	23	32	8	51	6	8	6	2	2			7							
	09	9959	42	41	40	34	23	58	8	20	6	8	6	2	2			7							
	12	9927	42	42	42	32	24	14	8	50	6	8	6	2	2			7							
	15	9931	40	38	35	29	22	74	7	25	8	7	8	2	5		5	6	6						
	18	9936	39	36	31	28	21	82	6	02	2	4	8	5	5	0	5	6							
	21	9972	35	31	25	27	25	74	5	26	8	5	8	5	5	0	6			27	46	451	0017	43	30

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LOCAL STANDARD TIME			TEMPERATURES			SURFACE WIND						LOW CLOUD					DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST				EXTREME TEMPERATURES	
DAY	HOUR	STATION LEVEL PRESSURE	DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED	VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	AMOUNT	TYPE	BASE	MIDDLE CLOUD	HIGH CLOUD	LOW	MIDDLE	HIGH	DIRECTION	SPEED	ANEMOMETER WIND RUN	PRECIPITATION	MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
10	00	9995	34	29	18	27	26	74	7	26	2	7	8	5			6								
	03	10017	34	29	15	27	24	80	6	26	8	6	8	5	0	0	6								
	06	10026	33	31	28	27	27	74	7	15	8	7	8	5			6								
	09	10028	35	32	25	28	29	80	7	26	8	7	8	5			6								
	12	10030	37	33	25	29	35	74	8	25	8	8	8	5			6								
	15	10041	38	34	26	28	30	80	8	01	8	8	8	5			6								
	18	10067	38	35	30	28	29	80	8	02	8	8	8	5			6								
	21	10095	38	36	32	27	22	80	8	02	2	8	8	5			6			29	49	535	0007	39	30
11	00	10084	38	37	35	28	19	74	8	60	8	8	8	4			6								
	03	10086	39	38	37	29	23	74	8	80	8	8	8	4			6								
	06	10090	39	38	37	28	24	80	7	15	8	7	8	4			6								
	09	10097	41	37	32	28	23	80	8	20	5	7	5	4	1		6	6							
	12	10096	41	38	33	29	22	80	6	01	2	2	8	4	1	6	6	6	6						
	15	10096	40	38	35	29	17	80	8	02	2	8	5	5			6								
	18	10104	40	39	37	31	10	74	8	02	2	8	5	5			5								
	21	10110	40	39	38	33	10	74	8	02	2	8	5	5			6			29	38	554	0000	42	37
12	00	10102	40	39	38	34	10	66	8	21	6	8	5	6			7								
	03	10070	41	41	40	36	09	16	8	51	6	8	6	1			8								
	06	10046	42	42	42	33	17	08	8	43	4	8	6	0			7								
	09	10030	43	43	43	34	23	08	8	45	4	8	6	0			7								
	12	10023	43	43	43	33	19	05	8	45	5	8	6	0			7								
	15	10027	44	43	43	32	17	48	8	02	4	8	6	2			7								
	18	10036	42	42	42	32	14	09	8	47	2	8	6	0			7								
	21	10044	42	42	41	33	10	04	8	51	5	8	6	0			7			34	30	338	0012	44	39
13	00	10035	42	42	42	33	11	06	8	45	4	8	6	0			7								
	03	10028	41	41	41	31	06	16	8	02	4	8	6	1			7								
	06	10034	41	41	41	31	07	02	8	47	4	8	6	0			7								
	09	10028	42	42	42	32	06	06	8	45	4	8	6	0			7								
	12	9995	43	43	43	32	02	02	8	47	4	8	6	0			7								
	15	9961	45	45	45	05	09	09	8	43	4	8	6	0			1								
	18	9927	43	43	43	30	02	03	6	50	4	8	6	0			7								
	21	9907	42	42	42	31	07	02	8	51	5	8	6	0			7			29	17	327	0002	46	40
14	00	9894	41	41	41	31	12	05	8	45	5	8	6	0			7								
	03	9894	41	41	41	32	14	48	8	02	4	8	6	2			7								
	06	9887	42	41	41	33	17	60	8	02	5	8	6	2			7								
	09	9867	43	43	43	35	23	56	8	61	6	7	7	2	2		7	7							
	12	9849	44	43	41	31	22	82	2	01	6	1	5	4	0	8	7		7						
	15	9853	43	42	41	33	20	60	8	50	1	8	5	4			7								
	18	9862	43	41	39	31	23	80	8	02	2	8	5	5			7								
	21	9874	42	40	39	32	17	80	0	02	0	0	0	9	0	0				34	37	254	0009	45	40
15	00	9860	41	41	40	34	18	80	1	02	0	1	5	5	0	0	7								
	03	9823	42	41	40	33	26	80	4	01	6	2	5	4	1	0	7	7							
	06	9813	40	39	38	32	23	58	8	61	6	4	5	4	7		7	7							
	09	9819	41	39	36	30	23	74	7	80	5	7	8	4			6								
	12	9824	41	39	36	31	25	74	7	25	8	7	2	5			6								
	15	9839	40	39	37	29	23	82	4	25	1	2	3	4	7	0	6								
	18	9870	40	37	33	28	21	80	8	03	2	8	5	5			6								
	21	9867	40	38	35	31	22	80	2	01	1	0	0	9	1	0		6		31	50	548	0008	44	37
16	00	9839	39	39	38	33	20	58	8	61	6	6	6	4	2		7								
	03	9800	41	41	40	30	21	66	7	03	6	7	5	5			7								
	06	9826	38	37	35	26	09	63	8	80	8	8	8	4			6								
	09	9854	40	35	25	28	19	80	6	02	5	6	5	5	0	0	6								
	12	9876	40	36	28	27	21	80	8	02	2	8	8	5			6								
	15	9902	39	35	28	27	26	80	7	02	8	7	8	5			6								
	18	9923	39	35	29	27	20	82	7	02	2	7	5	6			6								
	21	9941	39	35	29	28	17	80	3	01	1	3	8	5	0	0	6			27	34	527	0008	43	37
17	00	9953	40	38	35	30	17	74	7	03	1	7	5	5			6								
	03	9931	41	41	41	34	18	16	8	51	5	8	6	0			7								
	06	9931	42	42	42	32	23	56	8	51	5	8	6	1			7								
	09	9934	43	43	43	32	27	56	8	50	5	8	6	2			7								
	12	9929	44	43	42	32	24	56	8	02	2	8	6	3			7								
	15	9909	43	43	43	32	32	48	8	02	2	8	7	3			7								
	18	9927	43	41	37	29	32	66	4	15	2	2	1	4	3	0	6	6							
	21	10002	40	37	33	27	30	74	6	02	2	6	2	4	0	0	6			29	50	477	0002	45	38
18	00	10047	39	36	31	27	16	74	6	02	2	6	8	5	0	0	6								
	03	10060	39	37	36	29	09	74	6	03	2	6	5	5	0	0	6								
	06	10062	41	40	39	33	11	80	7	02	2	2	5	6	7		6	6							
	09	10055	42	40	37	32	15	80	8	02	2	8	8	4			7								
	12	10043	40	39	38	36	04	56	8	61	6	6	8	3	2		8								
	15	10034	40	39	38	13	03	56	8	50	6	6	6	3			7								
	18	10045	40	39	38	29	07	80	7	02	2	5	5	3	5		5	6							
	21	10066	40	39	38	29	10	82	1	02	1	1	5	4	0	0	6			27	22	535	0000	43	37

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LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		lib × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
19	00	10078	39	39	38	32	09	82	4	03	1	4	5	5	0	0	6								
	03	10076	41	39	38	33	13	80	5	02	2	5	5	5	0	0	7								
	06	10069	41	39	38	33	14	80	7	02	2	6	5	6	1		7	7							
	09	10039	42	40	37	31	14	80	8	02	2	1	5	5	1		7	6							
	12	10016	43	42	41	31	11	82	7	02	2	2	5	5	7	8	7	6							
	15	9998	42	41	40	30	10	80	8	03	2	2	5	5			6								
	18	10007	40	38	35	28	12	80	7	02	5	7	5	5											
	21	10025	39	35	29	26	14	82	0	01	1	0	0	9	0	0				27	26	240	0003	45	37
20	00	10034	39	35	29	27	15	82	2	02	1	2	1	5	0	0	6								
	03	10043	38	34	27	27	16	80	4	02	1	4	5	5	0	0	6								
	06	10056	40	37	33	27	15	80	7	03	1	4	5	5	7		6	6							
	09	10072	39	35	25	27	18	80	7	03	0	5	5	6	3	8	6	6							
	12	10078	40	36	29	28	14	80	7	02	2	3	5	6	3	8	6	6							
	15	10080	40	37	30	28	10	82	5	02	2	3	5	6	3	0	6	6							
	18	10089	39	35	29	27	09	80	8	02	2	3	5	5			6								
	21	10095	37	34	27	25	06	80	7	02	2	0	0	9	3		6	6		27	29	340	0001	42	36
21	00	10089	37	34	32	26	05	80	5	02	0	5	5	6	0	0	6								
	03	10079	35	33	29	00	00	84	3	02	0	5	5	6	3	0	6	6							
	06	10069	38	35	30	16	02	87	3	02	0	0	5	9	3	8		6							
	09	10030	38	36	33	13	14	80	8	03	2	0	5	6	7		3	8							
	12	9971	37	37	36	12	21	66	8	50	6	8	7	4			3								
	15	9911	39	39	39	11	13	56	8	51	6	8	6	2			2								
	18	9867	42	42	42	34	13	63	8	50	5	8	5	4			7								
	21	9849	40	39	38	33	13	60	8	05	5	6	6	2	1		7			11	31	179	0000	44	34
22	00	9848	39	39	39	18	11	16	8	51	5	8	6	2			4								
	03	9910	39	39	39	24	13	32	8	50	5	8	6	2			5								
	06	9961	37	37	36	26	11	80	4	01	5	3	5	3	0	8	5		6						
	09	9990	39	38	37	28	11	80	7	02	2	4	5	4	3	8	6	6	6						
	12	9981	42	40	37	33	14	80	8	60	2	4	5	5	2		7								
	15	9964	43	43	41	32	18	74	8	02	6	8	5	5			7								
	18	9978	42	42	42	32	17	66	8	50	2	8	5	5			7								
	21	9995	42	41	41	32	16	66	8	03	2	8	5	4			7			27	32	324	0016	45	37
23	00	10001	42	41	40	32	17	80	6	03	1	5	2	5	3	0	7								
	03	10010	42	41	40	32	17	80	4	02	1	4	2	5	0	0	7								
	06	10015	42	41	40	33	18	80	7	03	2	7	4	5			7								
	09	10014	44	42	39	34	17	74	1	03	1	1	6	3	0	0	7								
	12	10012	45	43	40	33	17	80	1	02	0	1	6	3	0	0	7								
	15	9995	45	43	40	34	18	80	1	02	0	1	6	3	0	0	7								
	18	9991	43	42	41	34	16	74	7	03	1	6	5	3	0	1	7		6						
	21	9981	43	42	42	34	15	74	7	03	2	7	5	4			7			34	24	412	0004	46	41
24	00	9965	42	42	42	33	17	16	8	50	2	8	6	0			7								
	03	9948	43	42	41	34	18	66	8	02	2	8	5	4			7								
	06	9928	43	43	42	34	16	74	8	03	2	7	6	4	4	3	7								
	09	9917	45	43	42	35	17	74	8	02	2	2	5	4	4	7	7	7							
	12	9892	45	43	41	35	19	66	8	02	2	6	5	4	3	1	8								
	15	9861	44	43	42	35	16	58	8	60	6	7	5	3	1	2	8								
	18	9825	44	43	42	36	21	32	8	61	6	7	7	2	2	7	8								
	21	9848	40	39	37	27	10	80	7	60	6	5	5	5	7		7			36	31	472	0000	45	39
25	00	9884	41	40	39	31	10	82	1	01	6	0	0	9	7	0		7							
	03	9905	42	40	37	32	10	82	3	02	1	2	5	5	0	8	7	7	7						
	06	9921	41	40	39	34	09	80	7	02	2	0	0	9	7	1		7	7						
	09	9932	43	41	37	34	10	80	8	02	2	0	0	9	0	7			7						
	12	9931	43	42	40	32	11	80	7	02	2	1	1	5	7	8	7	7							
	15	9943	45	43	39	28	12	82	5	01	2	2	1	5	4	8	6								
	18	9968	41	37	32	28	10	82	5	02	1	4	1	5	0	8	6								
	21	10000	39	35	28	26	11	82	1	01	1	0	0	9	3	0				29	23	381	0011	46	36
26	00	10019	39	35	28	27	15	82	3	02	8	0	0	9	3	0		7							
	03	10039	38	34	25	27	14	82	1	02	1	1	5	5	0	0	6								
	06	10057	39	35	28	29	14	82	6	02	1	5	5	6	3	0	6								
	09	10056	42	37	29	31	19	80	7	02	2	7	5	5			7								
	12	10049	43	38	30	32	24	80	6	02	2	8	5	5	0	0	7								
	15	10037	42	40	37	32	23	74	8	02	2	8	5	4	2		7								
	18	10038	42	42	42	32	23	58	8	51	2	8	6	2	5		7								
	21	10059	41	38	33	27	19	80	3	01	5	3	1	5	0	0	6			32	37	276	0000	44	36
27	00	10069	39	36	30	27	19	82	0	02	0	0	0	9	0	0									
	03	10078	39	35	27	28	17	82	6	03	1	6	5	1	0	0	6								
	06	10091	39	35	27	28	11	82	6	02	2	6	5	4	0	0	6								
	09	10101	41	37	27	27	09	82	6	02	2	6	5	4	0	0	6								
	12	10097	42	36	25	28	06	82	6	02	2	6	5	5	0	0	6								
	15	10084	41	37	29	32	08	82	7	03	2	2	5	5	0	6	7	7	7						
	18	10063	40	37	31	36	10	74	8	03	2	5	7	5	2		7								
	21	10029	39	37	34	01	19	58	8	61	6	7	7	4	2		8			01	35	455	0001	43	38

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LOCAL STANDARD TIME			TEMPERATURES			SURFACE WIND							LOW CLOUD					DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST				EXTREME TEMPERATURES	
DAY	HOUR	STATION LEVEL PRESSURE	DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED	VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	AMOUNT	TYPE	BASE	MIDDLE CLOUD	HIGH CLOUD	LOW	MIDDLE	HIGH	DIRECTION	SPEED	ANEMOMETER WIND RUN	PRECIPITATION	MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	° × 10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	° × 10	kt	St.miles	Points	°F	°F
28	00	9976	40	39	38	01	17	58	8	61	6	6	7	3	2		8								
	03	9916	41	40	40	36	17	32	8	61	6	7	7	3	2		8								
	06	9876	42	42	42	34	21	32	8	51	6	8	6	3			8								
	09	9860	43	41	41	32	16	61	8	51	5	4	5	4	2		7								
	12	9872	39	37	33	27	22	82	6	01	6	6	2	5	0	0	6								
	15	9870	39	35	28	27	17	82	2	02	1	2	4	5	0	0	6								
	18	9855	39	35	27	31	21	82	6	02	2	3	4	5	7	0	7	7							
	21	9850	37	33	24	28	26	80	4	27	8	4	2	5	0	0	6			29	39	361	0030	43	33
29	00	9844	37	34	28	30	27	80	3	27	1	3	2	5	0	0	6								
	03	9829	33	33	33	31	27	80	6	27	8	6	3	4	0	0	6								
	06	9828	35	35	33	30	28	80	6	27	8	6	9	4	0	0	6								
	09	9831	35	33	31	31	22	82	5	16	8	5	3	4	0	1	7		7						
	12	9834	34	33	32	29	22	16	8	73	8	8	0	5	2		6								
	15	9830	37	34	29	28	20	82	5	26	7	4	1	4	0	8	6		6						
	18	9830	33	33	32	29	22	80	6	85	8	6	3	4	0	0	6								
	21	9841	32	31	28	27	19	80	3	26	8	3	2	5	0	0	6			29	45	537	0014	41	31
30	00	9831	33	32	30	31	15	80	2	26	8	2	2	5	0	0	6								
	03	9844	32	31	27	28	20	80	5	26	8	5	3	5	0	0	6								
	06	9853	35	32	26	28	26	80	7	03	8	7	8	5			6								
	09	9843	36	35	33	32	20	66	8	85	8	8	8	4			7								
	12	9825	40	36	30	29	23	80	7	15	8	3	1	4	3	8	6	6	7						
	15	9805	40	37	32	31	23	74	8	03	8	7	5	4	7		7								
	18	9800	35	35	34	27	21	80	8	83	8	7	8	4			6								
	21	9821	33	29	23	27	30	80	2	26	8	2	2	4	0	0	6			27	56	465	0006	42	28
31	00	9860	32	28	19	27	17	80	1	26	8	1	2	4	0	0	6								
	03	9893	33	29	21	27	30	80	4	15	8	4	3	4	0	0	6								
	06	9920	34	31	24	27	26	80	3	02	8	3	8	5	0	0	6								
	09	9950	36	32	23	27	28	74	7	85	8	7	8	4			6								
	12	9977	33	31	28	26	20	74	6	85	8	6	8	4	0	0	6								
	15	10009	35	33	28	27	26	74	7	26	8	7	8	5			6								
	18	10043	36	32	24	27	24	80	7	03	8	7	4	5			6								
	21	10069	37	34	29	27	10	80	7	02	2	7	4	5			6			27	56	586	0009	38	29

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LOCAL STANDARD TIME			TEMPERATURES			SURFACE WIND						LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR	STATION LEVEL PRESSURE	DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED	VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	° × 10	kt	VV	Oktas	ww	w	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	° × 10	kt	St. miles	Points	°F	°F
01	00	10072	38	37	36	29	11	66	8	60	2	8	5	4			6								
	03	10076	41	41	40	30	18	66	8	02	2	6	5	4	2		6	6							
	06	10090	42	41	40	29	19	74	8	02	2	7	1	4	7		6	6							
	09	10107	43	41	37	30	22	74	8	02	2	1	1	5	5		6	6	6						
	12	10115	43	41	37	30	21	74	8	21	2	3	4	5	1		6	6							
	15	10115	43	41	39	31	20	74	8	21	2	4	5	5	2		6								
	18	10121	42	41	40	30	18	74	8	03	2	5	5	4	7		6								
	21	10128	42	41	40	32	19	58	8	51	5	8	7	2			7			30	31	454	0001	45	37
02	00	10123	42	41	40	32	20	60	8	50	5	8	6	3			7								
	03	10116	43	42	41	32	18	66	8	02	2	1	6	4	7		7	7							
	06	10114	43	42	41	32	20	74	8	21	6	0			7		7	7							
	09	10096	44	43	42	32	22	74	8	03	2	2	5	5	7		7	7							
	12	10076	43	43	43	33	23	48	8	50	0	8	6	2			7								
	15	10049	43	43	43	33	20	16	8	51	5	8	6	1			7								
	18	10031	43	43	43	32	16	08	8	51	5	8	6	0			7								
	21	10040	43	43	42	30	16	32	8	51	5	8	6	2			7			32	31	529	0002	45	41
03	00	10036	43	42	42	29	16	48	8	02	5	8	6	2			7								
	03	10049	42	42	42	28	16	48	8	02	2	8	6	2			6								
	06	10062	42	41	41	27	14	66	8	01	2	6	6	3		1	6		6						
	09	10070	42	41	41	27	15	66	8	20	2	8	6	2			6								
	12	10069	44	43	41	29	17	80	7	02	2	2	4	5	3	8	6	6	6						
	15	10070	42	42	41	27	15	48	8	50	2	8	6	2			6								
	18	10076	41	40	39	27	11	80	8	02	2	8	5	5			6								
	21	10069	41	41	41	32	08	66	8	02	2	8	5	4			6			27	29	426	0001	46	40
04	00	10044	42	42	42	32	13	58	8	20	5	8	6	2			7								
	03	10014	42	42	42	34	14	61	8	51	5	8	6	2			7								
	06	9988	43	43	43	33	14	08	8	45	5	8	6	0			7								
	09	9975	43	43	43	33	16	48	8	28	4	8	6	2			7								
	12	9956	44	43	42	29	23	66	8	02	2	8	5	4			6								
	15	9964	43	43	42	29	18	74	7	03	1	7	8	4			6								
	18	9972	42	40	38	28	21	80	8	02	1	8	5	4			6								
	21	10000	41	38	33	28	26	80	8	02	2	8	8	4			6			27	38	320	0003	45	38
05	00	10020	39	36	31	28	26	80	7	02	2	7	8	4			6								
	03	10028	40	39	37	29	18	61	8	60	2	8	8	4			6								
	06	10039	42	40	36	27	23	80	6	15	6	6	2	5			6								
	09	10057	43	40	35	28	23	80	4	02	1	3	1	5		1	6		6						
	12	10061	45	42	38	30	23	74	7	02	2	3	8	4	5		6	6							
	15	10067	44	42	38	30	19	74	7	03	2	2	1	4			6								
	18	10064	43	41	38	31	17	80	7	02	2	7	8	5		8	6		6						
	21	10057	42	41	39	31	17	74	6	02	2	4	5	5		8	6		6	27	35	528	0002	45	38
06	00	10025	42	41	40	32	17	74	6	02	2	1	5	5		8	7		6						
	03	9977	42	41	40	33	17	58	8	61	2	7	7	4	2		7		6						
	06	9942	42	41	40	33	20	61	8	61	6	5	7	3	2		7		6						
	09	9916	43	43	43	33	18	60	8	50	6	8	6	2			7								
	12	9900	46	45	44	28	18	74	6	20	5	6	6	3			6								
	15	9903	45	42	38	28	16	80	6	03	1	5	5	5		1	6		6						
	18	9903	43	41	39	33	10	80	7	03	2	7	4	5			6								
	21	9885	43	40	35	32	12	80	8	02	2	8	5	5			7			27	33	492	0014	47	41
07	00	9844	42	40	37	33	17	74	8	02	2	8	5	6			7								
	03	9803	42	40	38	33	21	74	8	60	6	5	7	4	2		7	6							
	06	9754	42	41	40	34	23	60	8	61	6	7	7	3	2		7	6							
	09	9739	44	42	39	32	16	74	7	02	6	5	8	4	3	8	7	6	6						
	12	9738	42	40	37	31	26	74	6	80	8	6	8	4			6								
	15	9725	43	39	33	31	28	80	3	02	8	3	8	5			6								
	18	9702	41	38	32	31	33	74	7	25	8	7	8	5			6								
	21	9713	38	37	35	30	26	74	6	25	8	6	8	5			7			31	56	444	0008	45	36
08	00	9719	39	38	36	30	28	58	8	80	8	8	8	4			6								
	03	9740	38	36	32	29	30	63	7	26	8	6	8	4	3		6	6							
	06	9765	39	35	29	29	34	66	7	85	8	5	2	4	3		6	6							
	09	9807	39	35	27	28	32	74	7	15	2	7	2	5			6								
	12	9827	39	35	28	27	30	80	7	02	2	6	2	5	7		6	6							
	15	9841	40	37	32	28	23	80	4	25	2	4	2	5			6								
	18	9857	39	35	29	27	20	80	5	02	8	5	4	5			6								
	21	9866	38	35	30	27	08	82	0	01	0						9			29	56	714	0007	42	35
09	00	9860	37	35	34	00	00	82	2	02	0	2	5	6			6								
	03	9845	40	37	34	36	06	80	8	03	2	5	5	6	1		7								
	06	9833	39	38	37	01	05	80	7	02	6	7	8	4			8								
	09	9826	42	41	39	35	10	82	5	20	2	5	5	4			8								
	12	9817	44	42	39	03	08	84	6	02	1	3	5	5	7	1	8	7	7						
	15	9811	44	43	41	01	09	82	7	03	2	1	5	5	7	6	7	7	7						
	18	9807	43	42	41	02	09	82	4	02	1	1	5	5	7	1	8	7	7						
	21	9797	43	41	38	02	15	74	8	03	2	8	5	4			8			02	29	347	0005	46	36

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LOCAL STANDARD TIME			TEMPERATURES			SURFACE WIND						LOW CLOUD					DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST				EXTREME TEMPERATURES	
DAY	HOUR	STATION LEVEL PRESSURE	DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED	VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	AMOUNT	TYPE	BASE	MIDDLE CLOUD	HIGH CLOUD	LOW	MIDDLE	HIGH	DIRECTION	SPEED	ANEMOMETER WIND RUN	PRECIPITATION	MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°× 10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°× 10	kt	St.miles	Points	°F	°F
10	00	9759	43	42	41	34	19	66	7	21	6	7	5	5			8								
	03	9768	42	41	41	34	13	74	7	02	2	3	5	5	7	8	8	7	7						
	06	9770	42	41	40	34	11	80	6	27	8	4	3	5		8	7		7						
	09	9771	44	43	42	33	10	82	2	02	8	1	1	5		8	7	7	7						
	12	9763	46	44	41	34	10	82	4	03	0	1	1	5	3	6	7	7	7						
	15	9758	45	43	40	33	10	82	4	01	3	3	8	5		8	7		7						
	18	9760	42	40	37	32	10	82	3	02	0	3	1	5			7								
	21	9774	41	39	37	28	11	82	4	25	1	4	2	5			6			33	26	339	0019	47	37
11	00	9786	38	37	35	27	15	80	5	25	8	5	2	4			6								
	03	9810	38	36	33	27	16	80	7	25	8	7	8	4			5								
	06	9865	36	35	33	21	16	66	8	83	8	8	2	4			4								
	09	9914	39	34	26	22	10	80	7	02	8	7	5	6			5								
	12	9935	38	33	23	27	18	80	8	03	2	8	8	5			6								
	15	9939	38	35	29	28	18	80	8	02	2	8	8	5			6								
	18	9926	40	38	35	31	20	80	8	02	2	6	8	5	3		6	6							
	21	9884	41	41	40	32	26	63	8	61	2	8	7	3			7			24	43	324	0007	43	35
12	00	9888	41	39	36	27	23	80	3	21	6	3	5	5			6								
	03	9897	39	36	30	26	21	80	7	02	1	1	1	5	7		6								
	06	9894	39	37	34	27	16	74	8	15	2	5	1	5	7		6								
	09	9894	41	37	30	27	17	80	7	02	2	6	2	5		8	6								
	12	9885	42	39	32	30	19	74	7	15	8	7	3	4			6								
	15	9885	41	37	32	28	17	80	6	26	8	4	3	4		8	6								
	18	9880	35	35	35	29	26	32	8	84	8	8	3	4			6								
	21	9879	38	37	35	31	17	80	4	15	8	4	3	5			6			29	40	500	0010	44	33
13	00	9861	37	37	35	29	16	80	5	15	8	5	2	5			6								
	03	9837	37	36	35	28	13	74	8	26	8	4	5	5	2		6	6							
	06	9832	38	36	34	27	13	80	6	02	8	5	4	5		8	6		6						
	09	9816	40	38	35	33	14	74	7	03	2	1	5	5	7	8	7	7							
	12	9833	37	37	34	28	18	80	7	26	7	7	2	5			6								
	15	9870	37	36	34	28	17	80	7	27	8	7	3	4			6								
	18	9887	38	35	30	28	15	80	5	26	8	4	3	4	3		6	6							
	21	9895	39	36	31	28	17	72	6	03	8	6	8	5			6			28	42	432	0014	43	34
14	00	9878	39	38	37	32	17	80	3	02	8	3	5	4			7								
	03	9819	41	40	40	33	26	48	8	61	6	6	5	3	2		7								
	06	9806	42	41	41	31	24	66	8	03	6	5	6	4	7		7	6							
	09	9815	43	42	41	30	21	74	8	20	5	4	5	4	7		6	6							
	12	9816	41	41	41	30	16	63	8	50	5	6	7	4	2		6	6							
	15	9824	37	36	34	27	15	74	8	20	6	3	6	5	7		6								
	18	9825	36	35	33	28	14	63	8	68	7	3	5	4	2		6								
	21	9836	35	31	23	26	17	80	5	01	2	1	5	5	1	1	6	6		30	44	506	0023	44	32
15	00	9842	32	31	27	23	06	80	4	26	8	2	2	5		5	5		5						
	03	9837	34	32	28	27	10	82	7	02	8	2	1	4		6	5		5						
	06	9849	34	32	28	26	11	82	4	15	8	4	2	5			5								
	09	9866	37	34	28	29	12	82	6	26	8	6	3	4			5								
	12	9885	36	33	26	25	10	80	6	02	8	5	3	5	3		6	5							
	15	9892	37	34	29	28	10	82	5	26	8	6	2	4			5								
	18	9892	33	33	32	28	12	66	8	70	2	6	7	4	2		6	5							
	21	9868	36	33	27	29	17	66	8	03	8	3	2	4	2		6	6		27	36	342	0006	39	29
16	00	9814	35	34	33	35	14	32	8	68	7	7	7	3	2		8	7							
	03	9718	40	40	40	34	22	58	8	61	6	7	7	4	2		7	7							
	06	9720	38	35	30	28	18	80	6	26	8	6	3	4			6								
	09	9727	38	36	33	27	24	74	6	26	8	4	2	5		1	6		6						
	12	9728	41	37	31	28	23	74	5	02	2	5	1	5			6								
	15	9727	39	36	31	28	19	74	6	02	2	5	1	5	3		6	6							
	18	9734	38	36	33	26	07	80	8	27	8	4	2	4	3		5	5							
	21	9753	35	35	34	16	09	56	8	68	2	3	5	4	7		3	5		27	41	420	0016	42	34
17	00	9763	36	34	30	14	14	61	7	23	7	7	5	4			3								
	03	9786	35	32	27	16	18	74	8	02	2	8	5	5			4								
	06	9822	35	32	26	17	19	80	8	02	2	8	5	5			4								
	09	9850	36	32	24	19	10	80	7	02	2	7	5	6			4								
	12	9885	35	31	23	20	12	80	8	02	2	8	8	4			4								
	15	9918	36	33	27	20	15	66	7	85	8	7	8	4			4								
	18	9959	32	31	29	20	17	58	7	85	8	7	2	4			4								
	21	9993	34	31	25	19	11	80	7	02	8	7	8	5			5			20	33	366	0003	38	32
18	00	10015	33	30	25	18	16	80	6	26	8	6	2	5			4								
	03	10045	31	30	27	19	09	80	4	26	8	4	2	4			4								
	06	10067	37	32	23	19	10	80	4	02	8	4	2	5			5								
	09	10088	39	36	31	19	09	80	6	15	2	4	2	5			5								
	12	10116	39	35	26	21	10	80	6	26	8	6	2	5			4								
	15	10142	40	36	27	19	10	82	6	02	2	6	2	5			4								
	18	10167	37	34	27	28	02	80	8	03	2	3	1	5			5								
	21	10179	38	36	33	27	05	80	7	02	2	2	1	5			6			19	32	313	0003	42	30

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LOCAL STANDARD TIME			TEMPERATURES			SURFACE WIND											DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST				EXTREME TEMPERATURES	
DAY	HOUR	STATION LEVEL PRESSURE	DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED	VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD AMOUNT	LOW CLOUD TYPE	LOW CLOUD BASE	MIDDLE CLOUD	HIGH CLOUD	LOW	MIDDLE	HIGH	DIRECTION	SPEED	ANEMOMETER WIND RUN	PRECIPITATION	MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°× 10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°× 10	kt	St.miles	Points	°F	°F
19	00	10170	40	39	38	31	09	66	8	20	2	8	5	6			6								
	03	10158	41	41	41	32	14	16	8	51	2	8	6	1			7								
	06	10167	43	43	43	27	14	74	7	28	4	7	6	3			6								
	09	10185	44	44	44	28	15	14	8	40	4	7	6	2	3		6								
	12	10190	44	44	44	28	16	61	8	50	4	8	6	2			6								
	15	10199	45	44	43	28	18	66	8	20	5	8	6	2			6								
	18	10126	43	43	43	27	17	58	8	50	5	8	6	0			6								
	21	10231	42	42	42	27	17	61	8	50	5	8	6	2			6			27	26	270	0000	46	39
20	00	10233	43	43	43	27	17	58	8	51	5	8	6	2			6								
	03	10239	43	43	43	27	18	56	8	51	5	8	6	2			6								
	06	10252	43	43	43	28	11	60	8	41	5	8	6	2			6								
	09	10254	44	43	43	31	13	56	8	50	5	8	5	4			6								
	12	10242	44	43	43	31	15	56	8	50	5	8	6	1			7								
	15	10228	45	43	40	31	14	74	7	20	5	7	5	4			6								
	18	10228	44	43	42	29	15	63	8	03	2	8	6	3			6								
	21	10231	43	43	42	29	16	61	8	02	2	8	6	3			6			28	28	422	0001	46	42
21	00	10224	43	43	43	29	14	61	8	02	2	8	5	4			6								
	03	10227	43	43	43	29	13	32	8	03	2	8	6	1			6								
	06	10231	43	43	43	28	12	08	8	50	5	8	6	0			6								
	09	10232	44	44	44	29	09	16	8	20	4	8	6	1			6								
	12	10220	45	44	44	29	12	32	8	02	4	8	6	1			6								
	15	10210	43	43	43	31	05	08	8	45	4	8	6	0			7								
	18	10198	43	43	43	32	06	03	8	47	4	8	6	0			7								
	21	10187	43	43	43	32	10	02	8	45	4	8	6	0			7			29	21	376	0000	46	42
22	00	10168	43	43	43	32	16	02	8	45	4	8	6	0			7								
	03	10150	43	43	43	32	16	48	8	28	4	8	6	2			7								
	06	10130	44	44	44	32	17	48	8	28	2	8	6	0			7								
	09	10109	45	44	44	33	17	58	8	02	2	8	6	2			7								
	12	10071	45	44	44	34	19	56	8	02	2	8	6	2			7								
	15	10028	45	45	45	34	24	56	8	02	2	8	6	2			7								
	18	9997	45	45	45	34	27	16	8	61	6	8	7	1			7								
	21	9970	45	45	45	34	26	08	8	68	6	8	7	2			7			34	37	360	0001	46	42
23	00	9965	44	44	44	33	20	32	8	60	6	5	7	2	2		7								
	03	9965	44	43	42	30	19	58	8	02	6	6	5	3	2		6								
	06	9991	43	42	41	30	15	58	8	50	2	8	5	4			7								
	09	10004	45	43	40	32	19	74	7	01	2	7	8	4			7								
	12	10014	45	43	40	32	17	74	8	03	2	8	8	4			6								
	15	10018	44	44	43	31	17	74	7	02	2	7	8	4			6								
	18	10029	43	42	42	31	14	74	8	50	5	8	4	4			6								
	21	10038	41	41	41	30	12	32	8	51	5	8	5	3			7			31	28	578	0007	46	41
24	00	10037	42	41	40	31	08	66	8	02	2	8	5	4			7								
	03	10019	43	43	43	33	10	66	8	02	2	7	5	4	3		7								
	06	10016	43	43	43	32	10	60	8	03	2	8	6	3			7								
	09	10003	46	45	44	34	16	74	2	02	0	1	6	3	3	2	7	7	7						
	12	9990	45	45	45	34	21	66	8	21	6	8	5	4			7								
	15	9983	45	45	45	33	21	32	8	51	6	8	6	2			7								
	18	9991	44	44	44	32	10	16	8	51	5	8	6	0			7								
	21	10030	39	38	37	18	08	61	8	02	5	8	5	4			4			34	23	360	0001	47	35
25	00	10050	38	35	30	22	02	80	6	01	2	6	5	5			5								
	03	10060	37	33	25	23	02	80	7	02	2	7	5	5			5								
	06	10064	38	34	26	00	00	80	8	02	2	8	5	5			5								
	09	10057	39	36	30	29	02	82	8	02	2	8	5	6			6								
	12	10048	41	37	30	30	07	82	8	02	2	5	6	6	1		6	6							
	15	10038	41	38	34	31	08	80	8	02	2	8	5	4			6								
	18	10032	38	38	38	31	11	80	7	80	8	3	1	4	7		6	6							
	21	10034	40	40	40	31	14	74	8	80	8	8	8	4			6			29	27	248	0003	43	35
26	00	10034	41	39	37	28	12	74	8	02	8	5	8	5	7		6	6							
	03	10044	39	38	37	27	16	66	7	87	8	7	2	4			6								
	06	10064	38	37	35	28	10	80	6	25	8	6	8	5			5								
	09	10092	40	38	34	23	09	80	7	02	2	7	8	5			5								
	12	10128	42	38	31	22	07	82	6	02	2	6	1	5			5								
	15	10158	41	37	29	19	10	82	7	02	2	7	5	6			5								
	18	10179	38	35	30	24	04	82	8	02	2	8	5	6			5								
	21	10202	37	34	29	23	02	82	8	02	2	8	5	6			5			27	33	307	0008	44	36
27	00	10206	38	36	32	28	08	82	7	02	2	7	5	6			6								
	03	10208	39	36	32	29	15	82	7	02	2	6	5	6		1	6		5						
	06	10212	40	37	33	30	11	82	7	03	2	7	5	6			6								
	09	10206	44	42	38	31	13	82	7	02	2	7	5	6			6								
	12	10190	43	40	36	32	15	80	8	02	2	8	5	5			6								
	15	10169	43	41	39	32	19	80	7	20	2	7	5	5			7								
	18	10146	41	41	41	33	19	80	7	25	8	7	5	5	2	8	7	6	6						
	21	10128	42	41	41	32	18	74	8	02	2	8	5	5			7			32	29	224	0000	45	38

Results of Surface Observations,
MACQUARIE – Nov., 1961

LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	° × 10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	° × 10	kt	St. miles	Points	°F	°F
28	00	10092	42	42	42	33	22	74	7	01	8	7	5	5			7								
	03	10053	43	43	43	33	23	74	8	01	2	1	5	4	7		7	7							
	06	10031	43	43	43	31	24	48	8	61	6	7	7	3	2		7								
	09	10043	40	40	40	23	10	74	8	21	6	8	5	4			5								
	12	10081	42	40	37	23	11	80	7	01	6	7	5	5			5								
	15	10099	41	40	38	27	19	80	7	02	2	7	8	5			5								
	18	10118	40	38	36	27	13	80	7	15	8	7	8	5			5								
	21	10133	40	35	27	27	18	80	7	02	8	7	8	5			6			27	35	490	0015	45	38
29	00	10136	39	35	29	28	17	80	7	02	2	7	8	5			6								
	03	10146	39	36	31	27	18	80	8	02	2	6	5	5	2		5	5							
	06	10151	41	39	35	27	14	82	7	25	8	1	2	5	3		5	5							
	09	10153	45	43	40	29	14	82	6	02	2	3	1	5	3	1	6	5	5						
	12	10146	45	43	40	31	14	80	8	03	2	1	1	4	3	8	6	5	5						
	15	10141	45	43	41	31	15	80	7	02	2	1	1	4	3		6	6							
	18	10133	43	41	37	31	17	82	2	01	1	1	1	4	3		6	6							
	21	10131	43	42	40	32	19	80	8	03	2	4	8	5	5		6	6		27	31	370	0003	48	38
30	00	10116	43	43	41	33	17	66	8	21	6	8	5	4			7								
	03	10106	44	43	42	32	17	65	8	02	6	8	5	4			7								
	06	10106	43	43	43	31	18	61	8	51	5	8	6	3			7								
	09	10110	44	44	44	32	15	58	8	02	2	8	6	2			7								
	12	10107	45	44	44	32	14	48	8	68	5	8	6	2			7								
	15	10103	44	44	44	32	13	32	8	02	2	8	6	2			7								
	18	10103	44	44	44	33	14	32	8	50	2	6	6	2	2		7								
	21	10103	44	44	44	33	16	50	8	02	5	8	6	2			7			32	26	430	0001	45	43

Results of Surface Observations,
MACQUARIE — Dec., 1961

LOCAL STANDARD TIME			TEMPERATURES			SURFACE WIND						LOW CLOUD					DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST				EXTREME TEMPERATURES	
DAY	HOUR	STATION LEVEL PRESSURE	DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED	VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	AMOUNT	TYPE	BASE	MIDDLE CLOUD	HIGH CLOUD	LOW	MIDDLE	HIGH	DIRECTION	SPEED	ANEMOMETER WIND RUN	PRECIPITATION	MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	W	Oktas	C_L	ft	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
01	00	10090	43	43	43	34	10	32	8	60	2	8	7	2			7								
	03	10068	44	44	44	34	17	56	8	63	6	8	7	2			7								
	06	10068	44	44	44	34	17	48	8	60	6	8	7	2			7								
	09	10081	45	45	45	32	03	63	8	02	6	7	6	1			7								
	12	10073	46	45	44	34	09	58	8	03	2	8	6	0			7								
	15	10059	45	45	45	32	15	08	8	47	2	8	6	0			7								
	18	10036	45	45	45	32	14	06	8	51	4	8	6	0			7								
	21	10024	44	44	44	32	17	61	8	50	4	8	5	4			7			34	28	413	0020	48	42
02	00	9991	45	45	45	34	22	56	8	21	5	8	6	2			7								
	03	9963	45	45	45	34	23	63	7	01	5	6	5	3	7		7								
	06	9936	45	45	44	36	24	58	8	80	2	7	7	3	2		7								
	09	9941	45	43	41	32	21	74	6	03	8	6	8	5			7								
	12	9963	46	44	41	32	24	74	7	03	5	7	8	5			7								
	15	9986	44	42	39	29	24	74	7	03	5	7	8	5			7								
	18	10017	43	41	38	27	20	74	6	03	2	5	8	5		1	6		6						
	21	10048	42	41	40	32	17	74	5	02	0	2	5	5	3		6	6		34	35	460	0003	47	41
03	00	10057	43	41	39	32	17	80	5	03	0	5	5	6			7								
	03	10055	43	42	41	34	18	80	7	03	2	5	5	5		8	7		6						
	06	10054	44	43	42	34	18	80	7	02	2	2	5	5		6	7		6						
	09	10044	46	44	41	34	23	80	7	03	2	7	5	6											
	12	10025	47	45	43	34	23	74	4	02	2	1	6	3	7	5	7	7	7						
	15	9998	46	45	43	32	28	66	8	03	2	2	5	4	2		7	7							
	18	9988	46	45	44	32	26	60	7	02	2	3	7	4			7								
	21	9992	45	44	43	34	21	58	8	50	6	7	5	4	2		7			34	38	538	0000	48	42
04	00	9992	44	43	42	32	17	63	8	02	2	6	5	4	2		7	7							
	03	9997	44	43	42	32	19	74	7	01	8	4	8	4	3		7	7							
	06	10001	43	42	41	32	08	66	8	02	8	8	8	4			7								
	09	10002	44	43	42	32	10	66	8	03	2	2	5	5	2		7	7							
	12	9999	40	39	38	27	09	63	8	63	2	1	5	4	2		6								
	15	9991	43	42	41	32	09	80	7	21	6	4	5	5	7		6								
	18	10005	43	42	41	27	07	82	2	02	8	2	4	5			6								
	21	10024	42	41	40	29	08	80	1	02	0	1	1	5			6			29	26	566	0003	45	39
05	00	10033	41	40	38	29	07	80	3	02	0	3	1	5			6								
	03	10045	42	40	37	32	10	84	4	02	0	4	4	5			6								
	06	10055	43	42	40	32	10	82	7	03	1	3	2	5	3	4	6	6	6						
	09	10062	46	44	41	32	10	84	4	02	1	1	1	5	3		7	7							
	12	10062	47	45	43	31	13	84	3	02	0	1	1	5	3	8	7	7	6						
	15	10057	46	44	42	29	14	82	5	02	2	1	1	5	3	1	7	7	6						
	18	10056	44	44	43	29	10	80	5	02	2	0			3			7								
	21	10044	44	43	44	36	10	80	6	02	2	0			3			7		36	18	254	0011	48	40
06	00	10021	43	43	43	36	11	74	7	02	2	0			3			7							
	03	9993	44	41	38	29	17	74	8	03	2	8	5	5			7								
	06	9959	44	42	39	02	12	80	8	02	2	8	5	5			8								
	09	9921	45	44	43	36	16	74	8	02	2	8	5	6			8								
	12	9860	45	45	45	36	12	66	8	01	6	4	5	5	1		8	7							
	15	9815	44	44	44	36	11	58	8	02	5	8	6	2			8								
	18	9772	44	44	44	31	02	32	8	61	6	7	6	2	2		7								
	21	9788	40	39	38	27	16	48	8	63	6	7	7	4	2		6			27	43	355	0000	46	39
07	00	9842	42	41	39	29	19	74	7	25	6	7	2	5			6								
	03	9868	42	41	39	29	23	74	2	02	8	2	8	5			7								
	06	9872	43	43	43	29	23	56	8	60	2	7	7	3	2		7								
	09	9869	46	46	45	31	28	60	8	02	6	8	7	4			7								
	12	9861	46	45	44	31	27	58	8	15	2	6	7	4	2		7	7							
	15	9851	46	45	44	31	28	60	8	03	6	6	7	4	2		7	7							
	18	9871	45	44	43	29	21	61	8	03	6	6	5	4	7		7	7							
	21	9874	45	44	44	31	17	48	8	02	6	7	6	2	2		7	7		31	38	441	0043	47	39
08	00	9867	45	44	44	33	18	56	8	61	6	8	7	2			7								
	03	9844	45	45	45	33	23	60	8	21	6	8	7	3	2		7	7							
	06	9847	46	45	43	33	23	66	7	01	2	6	5	5	3		7	7							
	09	9861	47	45	43	33	19	80	1	02	0	1	5		0	5			7						
	12	9863	47	45	43	34	12	80	7	03	1	2	5	6	3	6	7	7	7						
	15	9852	46	45	45	36	09	74	8	03	2	5	5	4	7		7	7							
	18	9835	44	44	44	00	00	08	8	61	6	7	6	1	2										
	21	9819	43	43	43	16	06	16	8	61	6	0			2			4		34	35	564	0016	49	41
09	00	9793	42	41	40	17	09	48	8	61	6	5	5	4	2		4								
	03	9778	41	41	39	19	04	66	8	61	6	6	5	4	2		4								
	06	9774	42	41	40	17	05	80	8	02	6	5	5	4	1		4								
	09	9779	44	42	39	14	06	80	8	02	2	5	5	4	2		3								
	12	9780	41	41	41	14	05	61	8	61	6	6	7	3	2		3	7							
	15	9776	38	37	36	14	14	58	8	63	6	6	8	7	4		3								
	18	9784	37	37	36	15	19	56	8	63	6	7	8	7	2		3								
	21	9805	36	36	36	18	18	48	8	61	7	6	8	5	2		4			17	26	181	0037	46	34

LOCAL STANDARD TIME			TEMPERATURES			SURFACE WIND																									
DAY	HOUR	STATION LEVEL PRESSURE	DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED	VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD AMOUNT	LOW CLOUD TYPE	LOW CLOUD BASE	MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT LOW	DIRECTION OF CLOUD MOVEMENT MIDDLE	DIRECTION OF CLOUD MOVEMENT HIGH	MAXIMUM WIND GUST DIRECTION	MAXIMUM WIND GUST SPEED	ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES MAXIMUM	EXTREME TEMPERATURES MINIMUM
		mb × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
10	00	9819	37	36	34	17	15	66	8	02	6	8	5	4			4									
	03	9838	37	34	29	19	06	82	8	02	2	8	8	4			4									
	06	9860	37	34	27	23	02	82	8	15	2	7	8	4	1		5									
	09	9869	40	37	32	02	02	82	5	02	8	2	2	4	1	8	6	6	6							
	12	9867	41	37	30	36	06	82	7	02	2	1	1	5	7	8	6									
	15	9836	42	39	33	02	08	80	8	03	2	4	1	5	7		1	7								
	18	9792	37	37	37	11	17	56	8	63	2	8	7	3			2									
	21	9753	42	40	38	36	17	74	6	25	6	5	2	5	1		8	8		11	43	250	0095	43	34
11	00	9736	40	40	40	34	06	66	7	80	8	7	2	4			8									
	03	9776	40	40	40	18	23	61	8	80	8	8	8	4			4									
	06	9872	39	38	37	20	12	32	7	25	8	7	8	4			4									
	09	9936	42	39	34	29	13	82	5	02	2	4	4	5	3		6	6								
	12	9985	43	41	37	28	15	82	7	15	2	7	8	4			6									
	15	10020	43	40	34	29	14	82	3	01	8	3	1	6			6									
	18	10049	42	40	36	29	10	80	4	02	1	4	8	4			6									
	21	10070	41	40	38	30	17	80	3	15	8	3	9	4			6			19	28	346	0020	45	37
12	00	10077	42	39	35	32	21	80	5	02	1	4	2	5	3		6	6								
	03	10068	42	40	37	32	26	80	7	03	8	3	2	5	3		7	6								
	06	10061	43	41	39	32	25	80	8	03	8	3	2	5	7		7	6								
	09	10047	43	42	40	33	26	58	8	02	2	8	5	4			7									
	12	10020	44	43	44	33	29	61	8	61	2	6	7	4	2		7									
	15	9996	43	43	43	33	33	56	8	21	6	8	7	3			7									
	18	9975	44	43	43	33	28	48	8	68	6	8	7	3			7									
	21	9989	43	41	38	30	19	66	6	25	8	6	8	4			6			30	40	409	0004	45	39
13	00	10005	40	39	38	28	19	74	7	80	8	7	8	4			6									
	03	10030	41	39	35	28	23	80	6	01	8	5	8	4	3		6	6								
	06	10056	41	39	36	28	18	80	7	03	1	7	8	4			6									
	09	10073	44	41	37	29	22	80	7	03	2	4	5	6	7	8	6	6	6							
	12	10075	45	43	38	30	21	74	7	02	2	1	1	5	7	1	6	6	6							
	15	10060	45	42	39	32	22	80	8	02	8	3	8	4	2		7	6								
	18	10054	44	42	40	32	19	74	8	02	2	8	5	6			6									
	21	10024	43	42	41	32	26	80	8	02	2	8	5	5			6			18	45	582	0012	46	37
14	00	9976	44	44	44	32	28	58	8	80	8	8	5	5			6									
	03	9960	44	44	44	32	27	68	8	80	8	8	5	5			6									
	06	9992	42	39	34	27	29	62	7	25	8	7	5	5			6									
	09	10012	42	41	39	29	20	74	7	25	8	7	8	5			6									
	12	10039	43	39	35	27	30	74	7	02	2	7	8	5			6									
	15	10074	41	38	33	27	30	74	7	02	2	7	8	4			6									
	18	10083	40	35	27	27	25	74	6	02	2	6	8	5			6									
	21	10133	40	36	30	29	20	80	8	03	2	8	8	5			6			18	56	599	0006	46	38
15	00	10159	40	37	31	27	20	80	8	02	2	8	5	5			6									
	03	10176	39	37	34	27	21	80	7	02	2	7	8	5			6									
	06	10202	41	37	31	27	18	80	8	02	8	8	5	5			6									
	09	10227	41	37	31	27	12	80	6	02	2	8	6	8			6									
	12	10244	44	41	37	27	15	84	4	02	1	4	8	6			6									
	15	10251	45	42	38	27	16	84	1	02	2	1	5	6			6									
	18	10257	44	42	40	32	14	84	5	03	1	3	5	6	1	1	6	6	6							
	21	10261	43	42	39	32	16	84	5	02	2	3	8	6	5	1	6	6	6	29	26	494	0003	47	36
16	00	10259	43	41	39	31	18	82	2	01	2	1	2	5	5		6									
	03	10247	43	41	39	31	20	82	2	02	0	1	1	5	4		6	6								
	06	10245	45	43	41	27	20	74	3	03	0	2	1	5	0	8	6		6							
	09	10245	46	44	43	31	20	84	3	02	0	1	2	5	0	5	6		6							
	12	10249	46	44	41	32	16	84	7	03	0	7	2	5			6									
	15	10234	47	45	43	32	12	84	6	03	0	2	5	5	4	5	6	6	6							
	18	10229	45	44	43	32	14	84	6	03	1	5	4	5	0	8	6		6							
	21	10218	45	44	43	34	23	84	8	03	1	8	5	5			6			25	37	427	0000	45	37
17	00	10201	45	44	43	34	15	82	8	02	2	8	5	5			7									
	03	10181	44	44	44	34	15	74	8	02	2	8	5	4			7									
	06	10163	45	45	44	34	14	58	8	50	5	8	5	4			7									
	09	10141	46	45	44	34	19	74	8	20	5	8	7	4			7									
	12	10120	46	46	46	34	18	66	8	58	5	8	6	2			7									
	15	10087	46	46	46	34	21	16	8	60	6	8	7	2			7									
	18	10067	46	46	46	34	20	04	8	50	5	8	7	2			7									
	21	10059	46	46	46	34	16	04	8	50	5	8	7	2			7			34	25	434	0002	48	42
18	00	10039	46	46	46	34	15	04	8	50	5	8	6	2			7									
	03	10021	46	46	46	34	16	04	8	50	5	8	6	2			7									
	06	10011	46	46	46	34	16	08	8	50	5	8	6	0			7									
	09	10003	47	47	47	34	20	04	8	50	5	8	6	0			7									
	12	9982	47	47	47	34	20	04	8	50	5	8	6	0			7									
	15	9963	47	47	47	34	17	03	8	52	5	8	6	0			7									
	18	9955	46	46	46	34	16	01	8	50	5	8	6	0			7									
	21	9969	45	45	45	32	17	01	8	50	5	8	6	0			7			34	27	458	0021	47	44

Results of Surface Observations,
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LOCAL STANDARD TIME			TEMPERATURES			SURFACE WIND						LOW CLOUD					DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST				EXTREME TEMPERATURES	
DAY	HOUR	STATION LEVEL PRESSURE	DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED	VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	AMOUNT	TYPE	BASE	MIDDLE CLOUD	HIGH CLOUD	LOW	MIDDLE	HIGH	DIRECTION	SPEED	ANEMOMETER WIND RUN	PRECIPITATION	MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°× 10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°× 10	kt	St.miles	Points	°F	°F
19	00	9967	44	44	44	34	15	01	8	50	5	8	6	0			7								
	03	9958	44	44	44	34	11	03	8	52	5	8	6	0			7								
	06	9937	44	44	44	29	05	02	8	52	5	8	6	0			7								
	09	9927	45	45	45	32	06	02	8	50	5	8	6	0			7								
	12	9906	46	46	45	32	13	58	7	03	5	1	6	1	9		7	7							
	15	9883	46	45	44	32	19	04	8	52	1	8	6	1			7								
	18	9902	42	41	40	29	22	74	8	02	1	8	5	5			7								
	21	9913	43	42	40	32	28	74	8	02	2	8	5	4			7			34	47	406	0008	48	43
20	00	9904	43	42	41	29	19	74	6	25	8	6	5	4			7								
	03	9923	41	40	39	29	21	74	8	27	8	8	5	4			7								
	06	9955	43	41	39	30	23	80	6	01	8	6	5	4			7								
	09	9975	43	41	39	28	26	82	3	02	1	3	5	4			6								
	12	10033	42	40	37	28	28	80	7	03	0	7	5	4	4		6	7							
	15	10060	43	38	32	27	24	80	7	02	2	7	5	4			6								
	18	10085	42	39	34	29	23	80	7	02	2	7	5	4			6								
	21	10105	41	40	38	29	20	80	5	60	6	5	8	4			6			27	45	877	0007	48	41
21	00	10113	42	40	36	28	17	80	8	03	2	8	5	5			7								
	03	10105	43	42	41	31	16	80	8	25	8	8	5	5			7								
	06	10099	44	44	44	32	06	04	8	45	4	8	6	0			7								
	09	10099	45	44	44	29	16	58	8	50	5	8	6	2			7								
	12	10105	46	45	44	28	14	58	8	02	5	8	6	1			6								
	15	10100	45	45	44	29	16	55	8	02	2	8	6	2			7								
	18	10098	44	44	44	29	15	32	8	02	2	8	6	2			7								
	21	10103	43	43	43	29	16	04	8	50	5	8	6	1			7			29	24	450	0003	45	39
22	00	10101	43	43	43	30	16	32	8	50	5	8	6	1			7								
	03	10092	43	43	43	30	12	58	8	50	5	8	6	3			7								
	06	10103	44	43	42	27	16	58	7	01	2	8	6	3	4		6	6							
	09	10111	45	42	38	27	17	74	6	01	2	5	6	3	0	2	6								
	12	10111	47	43	39	27	10	74	6	01	2	5	6	5	4	2	6	6	6						
	15	10100	44	43	42	31	09	58	8	61	6	1	7	2	2		7	7							
	18	10078	44	44	44	31	11	58	8	61	6	2	7	2	2		7	7							
	21	10073	44	44	44	31	10	32	8	50	5	8	6	2			7			27	21	837	0002	47	41
23	00	10055	44	44	44	31	13	32	8	50	5	8	6	2			7								
	03	10026	44	44	44	31	19	03	8	50	5	8	6	1			7								
	06	9983	44	44	44	32	32	02	8	50	5	8	6	1			7								
	09	9934	45	45	45	32	26	04	8	50	5	8	6	1			7								
	12	9902	45	45	45	30	29	08	8	02	6	8	6	1			7								
	15	9907	45	42	39	29	26	58	7	02	2	7	8	5			7								
	18	9902	43	41	38	29	25	66	5	01	1	5	8	4			7								
	21	9917	37	36	34	29	45	58	7	60	2	7	2	4			7			27	62	418	0011	47	43
24	00	9937	40	38	35	27	32	58	8	03	2	8	5	4			6								
	03	9980	40	36	29	25	20	58	6	25	6	6	1	4			5								
	06	10016	40	37	31	27	14	66	6	02	8	6	8	5			7								
	09	10046	42	39	34	29	30	74	5	02	2	5	8	4			7								
	12	10069	41	39	36	27	26	74	6	25	6	6	8	4			7								
	15	10084	42	39	36	29	19	74	5	01	1	5	8	5			7								
	18	10105	41	39	36	27	10	66	7	50	2	7	5	5			7								
	21	10113	40	38	35	27	10	66	7	02	2	7	5	5			7			28	58	500	0007	46	37
25	00	10117	40	38	35	28	10	66	8	02	2	8	5	5			6								
	03	10103	41	40	39	28	10	66	8	02	2	8	5	5			6								
	06	10080	42	41	39	32	16	66	8	02	2	8	5	5			7								
	09	10054	43	42	41	32	16	74	8	02	2	8	5	5			7								
	12	9995	45	45	45	29	18	16	8	50	5	8	6	1			7								
	15	9982	46	46	45	31	21	32	8	02	5	8	6	2			7								
	18	9987	45	43	42	29	20	66	8	02	2	8	6	2			6								
	21	10005	43	42	40	27	23	58	8	02	2	8	5	4			6			27	39	485	0001	46	37
26	00	10016	44	43	41	28	23	66	8	02	2	8	5	5			6								
	03	10038	43	41	38	28	30	66	8	02	2	8	5	5			6								
	06	10064	43	39	34	28	28	74	7	25	2	7	8	5			6								
	09	10099	43	39	34	29	24	74	7	25	6	7	8	5			6								
	12	10133	44	40	35	27	19	74	7	02	2	7	8	5			6								
	15	10153	43	40	34	27	21	74	5	01	1	5	8	5			6								
	18	10165	43	40	35	29	16	74	7	03	2	7	5	5			6								
	21	10163	43	40	36	31	19	66	7	02	2	7	8	5			6			27	50	585	0002	47	40
27	00	10147	43	41	38	32	16	66	8	02	2	8	5	5			7								
	03	10127	43	42	40	32	20	66	8	02	2	8	5	5			7								
	06	10106	45	43	41	32	21	66	8	02	2	8	6	4			7								
	09	10078	45	45	45	34	23	66	8	02	2	8	6	4			7								
	12	10051	46	46	45	33	26	58	8	50	2	8	6	4			7								
	15	10038	46	46	46	33	24	56	8	52	5	8	6	2			7								
	18	10032	45	45	45	22	17	56	8	63	6	3	7	2	2		7	7							
	21	10048	44	44	44	28	12	20	8	50	6	8	6	2			7			33	35	465	0000	45	40

Results of Surface Observations,
MACQUARIE – Dec., 1961

LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°× 10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°× 10	kt	St.miles	Points	°F	°F
28	00	10054	43	42	41	32	10	66	8	02	2	8	5	5			7								
	03	10049	43	42	41	27	03	74	8	02	2	2	5	5	7		6	6							
	06	10049	43	41	40	00	00	74	8	60	6	2	7	3	2		6	6							
	09	10046	43	42	40	12	03	74	8	02	6	8	5	4			6								
	12	10024	44	44	44	13	06	02	8	02	2	8	6	1			6								
	15	9976	47	47	47	04	12	01	8	47	5	8	6	0			1								
	18	9942	47	47	47	35	23	04	8	50	5	8	6	2			8								
	21	9917	47	47	47	35	30	04	8	50	5	8	6	2			8			36	37	305	0012	47	41
29	00	9898	48	48	48	35	28	58	8	62	6	8	6	2			7								
	03	9881	48	48	48	35	24	04	8	50	6	8	6	0			8								
	06	9878	46	46	46	34	17	02	8	52	5	8	6	0			9								
	09	9874	47	46	46	34	11	04	8	52	5	8	6	0			8								
	12	9862	45	45	45	34	12	01	8	52	5	8	6	0			8								
	15	9864	46	46	46	32	14	04	8	43	5	8	6	0			7								
	18	9871	46	45	45	34	16	48	8	42	4	8	5	4			7								
	21	9889	45	45	45	34	15	04	8	47	4	8	6	0			7			36	37	489	0015	48	42
30	00	9919	42	42	42	18	01	04	8	43	5	8	6	0			9								
	03	9933	42	40	38	27	03	58	8	02	2	8	5	4			6								
	06	9951	42	40	36	31	09	80	7	02	2	8	8	5			7								
	09	9951	43	42	38	34	07	80	8	02	2	8	8	5			7								
	12	9906	43	43	42	35	15	74	8	62	2	4	7	4	2		8	7							
	15	9854	47	46	46	34	24	66	8	59	5	8	5	4			8								
	18	9836	46	44	42	32	26	58	7	80	6	7	8	4			7								
	21	9828	43	43	43	33	26	56	8	50	5	8	6	3			7			33	49	380	0002	48	41
31	00	9835	44	43	43	32	17	04	8	51	5	8	6	1			7								
	03	9914	40	38	35	27	22	58	8	61	6	3	7	2	2		5	5							
	06	10005	39	37	34	27	14	66	8	02	6	8	8	4			6								
	09	10049	41	37	30	27	18	66	8	02	7	8	8	4			6								
	12	10089	43	39	33	27	18	80	5	01	2	5	1	4			6								
	15	10110	44	40	34	29	16	80	4	02	2	3	1	5	4		6								
	18	10118	43	41	38	31	17	80	4	02	2	4	8	4			7								
	21	10121	44	41	38	32	17	82	2	01	0	2	8	4			7			29	57	491	0025	48	41

Results of Surface Observations,
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LOCAL STANDARD TIME			TEMPERATURES			SURFACE WIND						LOW CLOUD					DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST				EXTREME TEMPERATURES	
DAY	HOUR	STATION LEVEL PRESSURE	DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED	VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	AMOUNT	TYPE	BASE	MIDDLE CLOUD	HIGH CLOUD	LOW	MIDDLE	HIGH	DIRECTION	SPEED	ANEMOMETER WIND RUN	PRECIPITATION	MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
01	02	9854	27		12	12	29	80	6	02	22	0	0	88	44	66									
	05	9846	28		12	12	24	80	6	02	22	0	0	88	44	66									
	08	9844	30		13	12	25	80	6	02	22	0	0	88	44	65									
	11	9843	36		20	12	17	80	3	01	22	0	0	88	44	65									
	14	9846	36		22	04	08	80	1	01	20	0	1	55	40	50									
	17	9844	34		23	00	00	80	1	02	00	0	1	57	40	50									
	20	9843	33		23	22	05	80	1	02	00	0	0	00											
	23	9845	31		19	14	11	80	0	00	00	0	0	00						11	40	439		38	27
02	02	9837	29		15	13	22	80	0	00	00	0	0	00											
	05	9835	29		13	13	22	80	0	02	00	0	0	00											
	08	9830	29		13	13	24	80	0	02	00	0	0	00											
	11	9827	34		20	13	17	80	1	02	00	0	0	00											
	14	9835	39		21	11	11	80	1	02	00	0	0	00											
	17	9841	36		22	00	00	80	0	02	00	0	0	00											
	20	9849	34		21	00	00	80	4	03	01	1	0	49	00	56									
	23	9850	31		20	13	16	80	5	03	1	1	0	49	00	56				14	37	342		39	27
03	02	9857	26		15	13	25	80	4	01	11	0	1	96	00	88									
	05	9866	25		13	13	25	80	2	01	12	1	0	58	07										
	08	9872	30		19	13	18	80	8	03	22	2	2	86	77										
	11	9875	33		23	09	06	80	8	02	22	2	2	86	77										
	14	9888	33		25	09	21	66	8	70	77	2	2	85	77										
	17	9895	35		25	09	17	66	8	02	77	2	3	85	77										
	20	9902	33		26	00	00	66	8	02	22	2	3	85	77										
	23	9904	33		27	00	00	74	8	02	22	2	3	88	55					14	34	377		35	25
04	02	9910	32		28	09	16	66	8	70	77	5	7	75	47	77									
	05	9925	33		27	09	20	80	7	02	77	4	2	55	57	77									
	08	9933	36		25	09	19	80	4	01	22	2	2	58	55	73									
	11	9938	39		26	09	14	80	5	02	22	2	3	86	55	72									
	14	9932	36		29	07	15	74	8	03	22	2	3	86	53	72									
	17	9931	33		32	00	00	60	8	22	77	2	3	66	33	77									
	20	9920	32		30	25	06	66	8	02	01	1	0	06	77					09	29	327		39	30
	23	9906	32		25	22	01	80	6	01	01	0	0	07	77	05									
05	02	9895	30		17	12	07	80	6	01	11	0	0	07	70										
	05	9882	33		18	13	13	80	6	01	12	0	0	07	70	66									
	08	9878	33		20	00	00	80	8	03	22	0	0	09	81	66									
	11	9869	34		23	00	00	80	8	02	22	0	0	09	87	66									
	14	9871	36		27	00	00	80	7	02	22	0	0	09	87	66									
	17	9871	33		29	00	00	80	7	02	22	0	0	09	97										
	20	9869	33		30	00	00	80	8	02	22	0	0	09	97										
	23	9873	31		30	00	00	80	7	02	22	0	0	09	77					14	25	191		36	30
06	02	9883	30		29	00	00	80	6	02	22	0	0	09	77	16									
	05	9890	33		19	00	00	80	6	02	22	0	0	09	77	66									
	08	9899	34		18	12	20	80	7	02	21	0	0	09	77	66									
	11	9907	39		23	00	00	80	3	01	11	0	0	09	90	66									
	14	9920	43		26	00	00	80	3	02	11	0	0	09	90	61									
	17	9921	45		24	00	00	80	2	02	11	0	0	09	99	15									
	20	9924	40		24	00	00	80	1	02	00	0	0	09	99	55									
	23	9931	34		20	00	00	80	2	01	00	0	0	09	93	55				14	29	125		45	30
07	02	9935	30		17	00	00	80	2	01	00	0	0	09	93	00									
	05	9932	29		15	13	23	80	2	02	00	0	0	09	93	00									
	08	9924	32		17	12	26	80	4	03	01	1	0	09	93	00									
	11	9925	38		23	10	17	80	6	02	11	0	0	09	93	00									
	14	9924	39		26	00	00	80	1	02	00	0	1	55	77	00									
	17	9917	35		26	00	00	80	2	02	02	0	2	05	79	00									
	20	9905	34		25	00	00	80	6	03	21	0	0	09	30	00									
	23	9902	33		21	13	18	80	6	01	11	0	0	09	30	00				14	36	200		39	29
08	02	9892	27		19	13	28	80	3	03	11	0	0	09	33	00									
	05	9880	27		19	13	28	80	3	03	11	0	0	09	30	00									
	08	9870	31		17	12	23	80	1	01	11	0	1	96	00	00									
	11	9864	35		23	09	19	80	1	02	11	0	1	65	07	00									
	14	9867	36		23	07	15	80	3	02	11	0	2	55	37	00									
	17	9870	36		26	06	08	80	3	02	11	0	2	54	77	00									
	20	9875	35		25	09	05	80	3	02	11	0	1	44	77	00				14	36	410		36	26
	23	9880	29		18	13	18	80	2	02	11	0	1	44	55	00									
09	02	9886	25		14	13	21	80	2	02	11	1	1	45	56	00									
	05	9893	25		13	13	22	80	2	02	11	1	1	45	56	00									
	08	9901	30		17	13	15	80	3	03	22	1	3	55	65										
	11	9909	32		20	11	23	80	7	03	22	2	7	55	55										
	14	9919	36		25	10	12	80	8	02	22	2	8	56	54										
	17	9921	36		25	11	17	74	8	02	22	2	8	56	65										
	20	9924	35		26	12	12	74	8	02	22	2	8	56	65										
	23	9926	32		27	13	16	58	8	70	27	2	8	56						14	34	366		36	24

Results of Surface Observations,
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LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	° × 10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	° × 10	kt	St.miles	Points	°F	°F
10	02	9918	31		24	13	20	74	8	02	7	0	0	8	2										
	05	9909	30		21	13	21	74	7	01	1	0	0	8	2										
	08	9887	32		23	13	26	74	8	02	2	0	6	4	2	8									
	11	9868	32		24	12	32	66	8	71	7	2	6	4	2										
	14	9842	34		26	12	31	74	8	22	7	5	6	4	2										
	17	9822	35		27	11	33	74	8	02	2	3	6	4	2	7									
	20	9802	33		24	11	32	74	8	02	2	0	6	9	2										
	23	9791	32		22	13	42	74	8	02	2	1	0	8	7	7									
																				14	63	402		35	30
11	02	9783	31		21	13	34	80	8	01	2	0	0	9	7										
	05	9782	29		17	12	44	80	7	01	1	0	0	8	7	6									
	08	9781	30		19	13	40	80	8	02	2	0	0	8	7	6									
	11	9773	32		21	13	50	74	8	05	2	1	0	6	7	7									
	14	9778	35		24	12	31	80	6	05	2	1	5	6	2	6									
	17	9783	35		22	12	26	74	8	05	2	0	5	8	7	6									
	20	9796	32		20	13	38	80	7	05	2	1	5	6	7	6									
	23	9798	30		16	13	44	80	3	01	1	0	0	8	3	0				14	70	863		35	28
12	02	9802	30		15	13	39	80	1	01	1	0	0	8	3	0									
	05	9799	31		12	13	37	80	1	01	0	0	0	8	3	0									
	08	9800	32		14	13	34	80	4	02	1	0	0	8	3	5									
	11	9804	34		17	13	32	80	6	02	2	0	0	8	3	6									
	14	9803	36		19	13	32	80	6	02	2	0	0	8	3	6									
	17	9807	35		21	13	28	80	6	02	2	0	0	9	3	6									
	20	9809	33		18	13	31	80	7	02	2	0	0	9	0	6									
	23	9819	29		15	13	36	80	8	03	2	0	0	8	3	6				14	57	904		36	29
13	02	9822	31		16	13	36	80	7	03	2	0	0	8	4										
	05	9823	32		16	13	38	74	7	03	2	0	0	8	7										
	08	9832	32		19	13	36	74	8	02	2	0	6	5	2										
	11	9835	34		21	13	35	74	8	02	2	2	6	5	2										
	14	9852	37		23	13	25	80	8	02	2	3	5	6	3										
	17	9860	37		24	12	19	80	7	02	2	3	5	6	3										
	20	9860	35		24	12	10	80	7	02	2	4	5	6	3										
	23	9850	32		17	12	25	80	6	01	2	0	5	6	4	2				14	55	815		37	29
14	02	9849	32		16	13	26	80	8	02	2	0	0	8	3										
	05	9845	30		16	13	23	80	6	02	2	0	0	8	3										
	08	9842	30		14	13	31	80	6	02	2	0	0	8	3										
	11	9842	33		20	13	24	80	7	02	2	3	5	6	3	6									
	14	9838	37		22	12	21	80	7	02	2	1	5	6	7	6									
	17	9840	37		22	11	17	80	7	02	2	2	5	6	7										
	20	9843	34		22	12	17	80	7	02	2	0	0	7	7										
	23	9841	30		16	12	25	80	6	02	2	0	0	7	7					14	46	628		37	28
15	02	9846	28		14	13	28	80	5	02	2	0	0	7	7	0									
	05	9849	27		09	13	25	80	7	02	2	0	0	8	7	6									
	08	9843	29		16	13	24	80	7	02	2	0	0	8	7										
	11	9844	35		22	12	17	80	7	02	2	0	0	8	7	6									
	14	9844	39		24	09	13	80	7	02	2	0	0	8	7	6									
	17	9845	39		25	09	12	80	7	02	2	0	0	9	7										
	20	9842	37		25	13	09	80	8	02	2	0	0	9	7										
	23	9839	33		21	13	18	80	8	02	2	0	0	9	3					14	38	567		40	26
16	02	9839	30		17	13	17	80	8	02	2	0	0	9	3										
	05	9839	30		19	13	16	80	7	02	2	0	0	9	3										
	08	9834	33		21	13	10	80	8	02	2	0	0	9	3										
	11	9830	34		19	00	00	80	7	02	2	0	0	9	3										
	14	9825	35		20	00	00	80	7	02	2	0	0	9	3										
	17	9825	34		24	00	00	80	7	02	2	0	0	9	3										
	20	9821	35		23	00	00	80	4	01	2	0	0	9	3										
	23	9824	31		30	00	00	80	7	03	2	1	6	3	3	0				14	28	368		35	30
17	02	9832	27		19	13	16	80	4	01	2	4	5	7	0										
	05	9842	25		13	11	16	80	5	01	2	2	5	5	0	6									
	08	9847	29		16	13	18	80	7	03	2	2	5	6	0										
	11	9852	32		21	10	15	80	7	02	2	2	5	5											
	14	9869	34		21	09	11	74	8	02	2	2	5	5											
	17	9880	34		22	12	10	74	8	02	2	2	5	5											
	20	9896	32		22	12	10	74	8	02	2	2	5	5											
	23	9917	31		22	13	10	74	8	02	2	2	5	5						11	25	170		34	25
18	02	9929	30		23	11	05	74	7	01	2	7	5	5											
	05	9937	29		22	09	05	80	7	02	2	6	5	7											
	08	9940	31		22	12	17	80	6	01	2	7	5	6											
	11	9941	35		22	13	18	80	7	02	2	7	5	6											
	14	9939	36		22	12	18	80	7	02	2	7	5	6											
	17	9934	36		23	00	00	80	7	02	2	0	5	8	4										
	20	9941	33		26	00	00	80	7	02	2	0	0	8	4										
	23	9939	31		26	00	00	48	7	71	2	7	7	4	1					14	34	247		36	29

Results of Surface Observations,
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LOCAL STANDARD TIME			TEMPERATURES			SURFACE WIND						LOW CLOUD					DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST				EXTREME TEMPERATURES	
DAY	HOUR	STATION LEVEL PRESSURE	DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED	VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	AMOUNT	TYPE	BASE	MIDDLE CLOUD	HIGH CLOUD	LOW	MIDDLE	HIGH	DIRECTION	SPEED	ANEMOMETER WIND RUN	PRECIPITATION	MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
19	02	9930	30		27	00	00	74	8	02	7	8	5	5											
	05	9933	30		25	12	10	66	8	02	2	8	5	5											
	08	9919	31		19	13	18	74	8	02	2	8	5	5											
	11	9916	32		21	12	18	66	8	02	2	8	5	6											
	14	9920	32		24	07	09	66	8	02	2	8	5	6											
	17	9919	34		23	00	00	74	8	02	2	8	5	6											
	20	9916	32		24	00	00	74	8	02	2	8	5	6											
	23	9918	31		22	13	06	66	8	02	2	8	5	6						14	36	267		34	29
20	02	9921	29		24	13	04	58	8	71	7	8	5	6											
	05	9917	27		20	13	17	80	6	01	1	0	0	8	3	6									
	08	9923	29		19	13	17	80	6	02	2	1	5	5	0	6									
	11	9931	35		22	12	07	80	7	03	2	7	8	5											
	14	9942	33		24	00	00	80	6	02	2	1	1	5	3										
	17	9943	34		25	00	00	80	6	02	2	1	1	5	3										
	20	9948	34		25	00	00	80	4	01	2	0	0	9	3	0									
	23	9953	28		20	13	17	80	5	02	2	0	0	9	3	0				14	30	282		37	26
21	02	9959	27		19	13	20	80	5	02	2	0	0	9	3	0									
	05	9966	27		18	13	17	80	6	02	2	1	1	6	3										
	08	9963	27		16	13	23	80	3	01	1	0	0	9	3	0									
	11	9961	27		19	13	17	80	3	02	2	0	0	9	3	0									
	14	9963	32		25	04	05	80	1	01	1	0	0	9	3	0									
	17	9957	35		25	00	00	80	1	00	0	0	0	9	2	0									
	20	9951	33		23	00	00	80	1	01	0	0	0	9	3	0									
	23	9944	29		22	00	00	80	0	02	0	0								14	31	285		36	30
22	02	9942	23		13	13	19	80	1	02	0	0	0	9	3	0									
	05	9936	24		13	15	14	80	1	02	0	1	5	6	0	0									
	08	9927	26		15	15	14	80	1	02	0	1	5	6	0	0									
	11	9919	31		15	11	09	80	2	03	0	1	5	6	4	0									
	14	9907	33		18	06	06	80	2	02	1	2	5	6	0	0									
	17	9897	35		21	08	06	80	2	02	1	2	5	6	0	0									
	20	9890	31		21	25	03	80	1	02	0	1	8	6	0	0									
	23	9890	27		16	13	11	80	1	02	0	1	8	6	0	0				14	27	260		35	23
23	02	9889	23		12	13	17	80	1	02	0	1	8	6	0	0									
	05	9888	23		10	14	17	80	1	02	0	1	8	6	0	0									
	08	9879	24		11	13	26	80	1	02	0	1	8	6	0	0									
	11	9878	28		15	13	20	80	1	02	0	1	8	6	0	0									
	14	9876	33		17	09	12	82	1	02	0	1	8	6	0	5									
	17	9864	33		20	09	09	80	6	03	2	6	5	7	0	0									
	20	9857	30		21	08	11	80	7	03	2	7	8	7	0	0									
	23	9847	23		13	12	22	80	8	01	2	3	8	7	0	6				14	35	281		34	21
24	02	9836	21		14	13	20	80	3	01	1	1	1	6	0	8									
	05	9817	20		08	13	32	80	3	01	0	1	1	6	0	8									
	08	9799	23		11	13	35	80	3	02	1	1	5	6	0	5									
	11	9793	28		14	13	31	80	6	03	1	1	5	6	0	6									
	14	9781	31		17	12	29	80	2	01	1	1	5	6	0	8									
	17	9777	31		17	12	30	80	2	02	1	1	5	6	0	6									
	20	9765	28		16	13	34	80	6	03	1	0	0	9	3	0									
	23	9753	27		15	13	42	80	8	02	2	0	0	8	2					14	52	525		32	19
25	02	9762	27		15	13	47	80	8	02	2	0	0	8	2										
	05	9764	27		16	13	45	80	8	02	2	2	1	5	7										
	08	9773	28		14	13	47	80	8	02	2	1	7	5	7										
	11	9774	30		16	13	43	80	8	02	2	1	7	5	7										
	14	9779	32		17	13	40	80	8	02	2	0	0	8	7	6									
	17	9774	32		17	13	39	80	8	02	2	2	7	5	7	6									
	20	9781	30		18	13	38	80	8	02	2	2	7	5	7										
	23	9785	29		16	13	40	74	8	02	2	2	7	5	[illegible]					14	66	902		32	27
26	02	9801	29		17	13	28	74	8	02	2	2	7	5	7										
	05	9810	29		16	15	22	74	8	02	2	3	7	5	7										
	08	9817	30		15	14	23	74	8	02	2	2	7	5	7										
	11	9824	31		15	13	21	80	8	02	2	2	1	5	7										
	14	9826	37		19	11	14	80	6	01	2	0	0	9	3	4									
	17	9829	35		17	00	00	80	8	02	2	3	5	7	3	6									
	20	9829	34		19	13	12	80	6	01	2	1	5	7	3	4									
	23	9828	27		14	13	19	80	8	02	2	1	5	7	3	4				14	58	804		37	27
27	02	9825	24		11	13	23	80	2	01	2	0	0	9	0	2									
	05	9820	22		10	13	23	80	2	02	2	0	0	9	0	2									
	08	9812	25		11	13	23	80	2	03	1	1	5	6	3	8									
	11	9805	29		14	13	17	80	2	02	1	1	1	6	3	8									
	14	9799	33		19	08	07	80	1	02	1	1	8	6	0	0									
	17	9787	31		18	00	00	80	1	02	0	1	8	6	0	0									
	20	9770	30		17	00	00	80	1	02	0	1	8	6	0	0									
	23	9757	25		16	13	12	80	1	02	0	1	5	6	0	0				14	32	396		34	22

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LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°× 10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°× 10	kt	St.miles	Points	°F	°F
28	02	9751	22		12	15	18	80	1	02	0	1	5	6	0	0									
	05	9740	18		08	15	23	80	1	02	0	1	5	6	0	0									
	08	9724	24		12	15	17	80	0	02	0	0													
	11	9716	32		17	13	06	80	0	02	0	0													
	14	9713	31		15	25	02	80	0	02	0	0													
	17	9715	31		18	00	00	80	1	05	0	1	5	6	0	0									
	20	9726	30		18	00	00	80	1	02	0	1	5	6	0	0									
	23	9747	29		22	00	00	80	3	02	1	3	5	6	0	0				16	34	309		32	18
29	02	9765	20		11	13	23	80	1	01	1	1	5	6	0	0									
	05	9798	20		11	13	28	80	6	03	1	6	5	6	0	0									
	08	9813	23		13	13	27	80	7	02	2	5	5	7	0	4									
	11	9844	29		17	13	27	80	8	03	2	1	8	6	0	6									
	14	9878	33		20	09	19	80	8	02	2	1	8	6	0	6									
	17	9904	32		19	11	22	80	8	03	2	3	8	6	7	6									
	20	9934	29		19	11	23	80	8	02	2	3	8	6	7	6									
	23	9966	27		15	13	26	80	8	02	2	2	8	6	7					14	38	340		34	19
30	02	9986	26		15	13	26	80	8	02	2	2	8	6	7										
	05	9996	27		15	13	25	80	8	02	2	2	8	6	7										
	08	10013	29		17	13	20	80	7	03	2	4	5	6	7	6									
	11	10018	33		20	12	17	80	8	02	2	4	5	6	7										
	14	10017	34		21	12	12	80	8	02	2	8	5	7											
	17	10008	36		20	13	12	80	6	01	2	6	5	7	0	0									
	20	9986	35		20	11	05	80	3	01	1	1	5	7	3	0									
	23	9954	23		11	15	13	80	0	01	1	0								14	38	546		36	22
31	02	9902	19		07	15	25	82	0	00	0	0													
	05	9876	20		08	15	27	82	0	00	0	0													
	08	9838	23		10	16	25	82	0	02	0	0													
	11	9809	29		14	12	24	82	0	02	0	0													
	14	9798	33		20	06	07	82	1	02	0	1	5	6	0	0									
	17	9786	35		21	07	05	80	6	03	0	6	5	6											
	20	9784	32		19	11	14	80	7	02	2	7	5	6											
	23	9802	27		15	13	09	80	4	01	2	2	5	6	3	0				16	42	382		35	19

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LOCAL STANDARD TIME			TEMPERATURES			SURFACE WIND							LOW CLOUD					DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST				EXTREME TEMPERATURES	
DAY	HOUR	STATION LEVEL PRESSURE	DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED	VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	AMOUNT	TYPE	BASE	MIDDLE CLOUD	HIGH CLOUD	LOW	MIDDLE	HIGH	DIRECTION	SPEED	ANEMOMETER WIND RUN	PRECIPITATION	MAXIMUM	MINIMUM
		$mb \times 10^{-1}$	°F	°F	°F	°×10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
01	02	9809	26		12	13	29	80	4	02	2	2	5	6	3	0									
	05	9826	27		13	13	32	80	5	02	2	0		8	3										
	08	9847	30		15	13	28	80	6	02	2	6		6											
	11	9860	30		15	13	27	74	7	02	2	7		7											
	14	9878	36		19	12	17	80	5	01	2	2	5	7	3										
	17	9883	35		20	32	05	80	0	01	2	0	0	9	0	0									
	20	9874	33		24	28	08	80	1	02	0	0			0	5									
	23	9871	25		12	15	27	80	2	02	0	0	0	8	3					13	43	478		38	22
02	02	9855	19		08	16	27	80	2	02	0	0	0	8	3										
	05	9845	19		06	16	27	80	1	01	0	0	0	8	4										
	08	9837	24		10	16	21	80	0	02	0	0													
	11	9847	29		11	00	00	82	0	02	0	0													
	14	9854	31		15	27	04	82	0	00	0	0													
	17	9860	31		16	25	05	82	1	03	0	0	0	9	0	5									
	20	9860	31		19	00	00	82	7	02	2	0	0	8	7	6									
	23	9876	21		09	15	23	80	0	01	1	0								16	43	466		32	18
03	02	9879	19		07	15	23	80	0	00	0	0													
	05	9885	18		05	15	23	80	0	00	0	0													
	08	9899	24		10	16	24	80	0	02	0	0													
	11	9899	32		16	16	12	80	0	02	0	0													
	14	9917	36		18	00	00	80	7	03	0	0	0	8	7	5									
	17	9934	33		20	24	06	80	1	01	2	0	0	9	0	4									
	20	9942	33		20	00	00	80	1	02	0	0	0	9	0	5									
	23	9953	29		17	13	09	80	1	02	0	0	0	9	0	2				16	38	319		36	17
04	02	9961	22		09	15	27	80	1	02	0	0	0	9	0	2									
	05	9965	21		09	15	26	80	1	02	0	0	0	9	0	2									
	08	9961	24		10	15	22	80	4	02	1	0	0	9	0	2									
	11	9956	31		17	13	20	80	1	02	1	0	0	8	3	2									
	14	9948	38		22	13	13	80	1	02	1	0	0	8	3										
	17	9947	35		23	27	05	80	1	02	0	0	0	8	3										
	20	9931	37		23	10	05	80	0	02	0	0	0	9	0	0									
	23	9920	27		14	12	28	80	1	02	0	0	0	9	0	5				15	45	309		38	21
05	02	9914	27		14	13	22	80	1	02	0	0	0	9	0	5									
	05	9903	25		12	16	20	80	1	02	0	0	0	9	0	5									
	08	9891	28		14	13	27	80	1	02	0	0	0	9	0	5									
	11	9890	34		19	13	17	80	1	02	0	0	0	9	0	5									
	14	9882	37		21	12	16	80	1	02	0	0	0	9	0	5									
	17	9880	35		21	11	22	80	1	02	0	0	0	9	0	5									
	20	9883	30		17	11	20	80	2	03	0	1	4	5	0	5									
	23	9892	25		11	13	27	80	1	02	0	1	5	6						13	43	359		37	23
06	02	9903	23		09	13	31	80	2	02	0	2	5	6											
	05	9904	22		10	13	35	80	7	03	1	7	5	7											
	08	9901	23		12	13	37	80	7	02	2	7	5	7											
	11	9902	26		17	13	35	80	8	02	2	8	5	7											
	14	9907	30		18	13	29	74	7	02	2	7	5	7											
	17	9900	30		18	13	29	74	7	02	2	7	5	8											
	20	9888	30		18	13	38	74	8	02	2	8	5	8											
	23	9870	31		18	13	44	66	8	02	2	8	5	7						13	68	616		31	20
07	02	9863	29		18	13	48	58	8	02	2	8	7	5											
	05	9895	28		22	13	42	58	8	36	2	8	7	5											
	08	9903	29		21	13	35	74	8	02	2	8	5	6											
	11	9906	32		20	12	35	74	7	02	2	7	5	7											
	14	9900	34		21	12	36	74	8	02	2	8	5	7											
	17	9905	34		20	13	35	74	8	02	2	8	5	7											
	20	9909	32		17	13	33	74	8	02	2	8	5	7											
	23	9915	32		16	13	21	80	8	02	2	8	5	7						13	77	875		34	26
08	02	9914	31		16	13	21	80	8	02	2	8	5	7											
	05	9916	30		15	13	25	80	6	01	2	0	0	8	7										
	08	9920	29		15	13	25	80	7	02	2	0	0	8	7	5									
	11	9921	33		21	13	19	80	8	02	2	0	0	8	7	6									
	14	9926	37		23	13	20	80	8	02	2	0	0	8	7	6									
	17	9928	36		22	12	17	80	8	02	2	0	0	8	7	6									
	20	9933	32		19	12	17	80	8	02	2	0	0	8	7	6									
	23	9938	29		15	12	16	80	8	02	2	0	0	8	7	6				13	42	735		38	29
09	02	9934	26		14	13	26	80	8	02	2	0	0	8	7	6									
	05	9943	27		13	12	25	80	8	02	2	2	5	6	7	7									
	08	9949	28		15	13	21	80	8	02	2	2	5	6	7										
	11	9949	29		16	13	19	80	8	02	2	2	0	8	7										
	14	9946	35		19	11	10	80	6	02	2	0	0	8	7										
	17	9946	35		18	00	00	80	6	02	2	0	0	8	7	1									
	20	9946	31		16	13	20	80	6	02	2	0	0	8	7										
	23	9958	24		09	13	22	80	1	02	2	0	0	8	7					12	39	541		37	23

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LOCAL STANDARD TIME			TEMPERATURES			SURFACE WIND											DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST				EXTREME TEMPERATURES	
DAY	HOUR	STATION LEVEL PRESSURE	DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED	VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD AMOUNT	LOW CLOUD TYPE	LOW CLOUD BASE	MIDDLE CLOUD	HIGH CLOUD	LOW	MIDDLE	HIGH	DIRECTION	SPEED	ANEMOMETER WIND RUN	PRECIPITATION	MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	° × 10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	° × 10	kt	St.miles	Points	°F	°F
10	02	9959	23		08	13	27	80	1	02	2	0	0	8	7										
	05	9963	22		07	13	24	80	3	02	2	0	0	9	3	1									
	08	9951	25		09	13	34	80	1	01	2	0	0	9	3										
	11	9951	27		13	13	27	80	1	02	0	0	0	9	3										
	14	9944	34		19	11	16	80	1	02	1	0	0	9	3										
	17	9942	34		19	11	17	82	2	02	1	1	5	5	3										
	20	9940	30		19	13	18	80	7	02	2	7	5	5											
	23	9934	28		17	13	18	80	8	02	2	8	5	6						12	43	453		34	21
11	02	9936	26		15	13	20	80	8	02	2	8	5	6											
	05	9932	26		15	13	18	80	7	02	2	7	5	6											
	08	9931	27		13	13	22	80	7	02	2	7	5	6											
	11	9924	30		17	13	16	80	2	01	1	2	5	6											
	14	9926	32		17	31	04	84	4	03	1	2	5	6	3										
	17	9924	31		19	24	02	84	7	03	1	7	5	7											
	20	9923	32		21	07	01	80	7	02	2	7	5	7											
	23	9914	29		19	13	16	80	8	02	2	8	5	7						13	27	488		33	25
12	02	9920	27		17	13	14	80	8	02	2	8	5	7											
	05	9929	27		16	13	14	74	8	15	2	8	5	6											
	08	9931	26		18	13	14	80	8	15	2	8	5	6											
	11	9927	29		17	13	14	80	8	15	2	8	5	6											
	14	9927	30		17	10	03	80	8	15	2	6	5	5	7										
	17	9929	30		18	00	00	80	8	15	2	5	5	5	1										
	20	9926	30		19	00	00	80	8	02	2	8	8	6											
	23	9929	27		19	11	14	80	8	02	2	8	8	6						13	19	251		31	25
13	02	9931	26		18	11	14	80	8	02	2	8	8	6											
	05	9929	25		17	13	16	80	8	15	2	8	8	7											
	08	9927	26		17	13	20	80	8	15	2	8	8	7											
	11	9924	30		18	13	21	80	7	02	2	7	8	7											
	14	9922	33		19	09	11	80	8	02	2	4	6	7	7	7									
	17	9928	32		19	05	02	80	8	02	2	4	5	7	7										
	20	9923	30		21	09	02	80	7	02	2	1	1	5	7										
	23	9919	28		17	11	16	80	7	02	2	0	0	9	7					12	25	131		34	25
14	02	9923	27		16	11	21	80	7	02	2	0	0	9	7										
	05	9924	25		14	13	23	80	7	01	2	1	1	5	7	1									
	08	9916	26		14	13	26	80	6	01	1	6	5	5	7										
	11	9910	31		18	13	23	80	4	01	1	2	5	5	7	1									
	14	9909	32		20	11	21	84	7	02	2	5	5	7	7										
	17	9904	32		20	12	25	82	8	02	2	3	5	7	7	8									
	20	9896	31		19	13	29	80	7	02	2	7	8	7											
	23	9906	29		20	09	16	80	8	02	2	0	0	5	7					12	38	378		33	24
15	02	9908	29		18	09	19	80	7	02	2	0	0	6	7										
	05	9904	29		18	11	26	80	8	02	2	3	5	6	7										
	08	9902	29		19	11	31	80	8	02	2	6	5	6	7										
	11	9895	30		19	12	36	80	8	02	2	6	5	5	3										
	14	9878	29		21	13	47	48	9	38	2			0											
	17	9877	28		24	13	48	58	8	36	7	2	5	5	7										
	20	9874	27		23	13	46	53		38	3			0											
	23	9887	25		25	13	45	58		30	3			0						13	75	549		30	25
16	02	9883	30		19	13	44	08	8	02	3	0	0	6	2										
	05	9848	28		15	13	40	10	8	38	2	0	0	6	2										
	08	9824	25		21	13	52	01		38	2														
	11	9794	30		15	13	54	05	8	36	3	8	0	7	1										
	14	9782	31		18	13	52	05	7	36	3	1	5	7	1										
	17	9790	28		22	12	54	05	7	38	3	1	5	6	1	6									
	20	9819	28		18	13	51	05	6	38	3	5	5	6	0	5									
	23	9848	29		20	13	47	08	8	02	3	5	5	6	7					13	85	1069		31	24
17	02	9874	28		20	13	45	10	7	02	2	3	5	6	3										
	05	9884	29		19	13	44	15	7	02	2	2	5	6	7										
	08	9893	31		19	13	46	20	5	01	1	4	5	6	7										
	11	9899	31		21	13	48	20	7	02	1	4	5	6	3										
	14	9901	32		23	13	48	20	5	01	1	2	5	6	3	1									
	17	9901	32		22	13	45	15	7	02	2	2	5	7	1										
	20	9898	32		21	13	45	10	8	02	2	1	1	6	1										
	23	9881	32		22	12	51	15	8	02	2	1	4	6	1					13	80	1229		33	28
18	02	9869	32		21	13	49	15	8	02	2	0	0	9	1										
	05	9824	32		22	13	52	10	8	05	2	1	5	6	7	8									
	08	9788	31		20	13	55	05	8	02	2	3	5	6	2										
	11	9734	31		17	13	64	03	8	38	3	2	5	6	2										
	14	9712	28		20	13	67	01	8	38	3	1	5	7	2										
	17	9728	26		26	13	65	00		39	3														
	20	9761	26		26	13	55	00		39	3														
	23	9768	31		20	13	60	03	8	38	3	3	5	6	2					13	101	1195		32	26

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LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
19	02	9759	33		19	13	56	48	8	38	3	8	5	6	2										
	05	9767	33		18	13	52	63	7	02	3	8	5	6	2										
	08	9757	32		17	13	56	66	6	36	3	5	6	5	3										
	11	9771	34		23	13	52	66	5	03	3	4	6	5	7										
	14	9766	33		22	13	54	65	7	02	1	5	0	9	7	8									
	17	9765	31		22	13	50	66	7	05	2	3	5	7	7	8									
	20	9761	32		22	13	50	66	7	02	2	3	5	6	7										
	23	9762	30		20	12	44	78	7	02	2	2	5	6	7					13	87	1132		34	30
20	02	9768	30		21	11	45	82	6	02	2	4	5	6	2										
	05	9774	30		21	13	45	82	8	02	2	5	5	7	2										
	08	9775	30		19	13	52	80	7	02	2	1	5	7	7	6									
	11	9769	31		20	13	50	74	6	02	2	6	0	9	7										
	14	9760	33		22	13	50	74	7	02	2	1	5	7	7	8									
	17	9748	31		20	13	52	66	7	02	2	2	5	7	7										
	20	9759	28		21	13	45	63	8	02	2	4	5	6	7										
	23	9720	32		21	13	59	63	4	01	1	1	5	6	1	1				13	90	1228		33	28
21	02	9712	33		22	13	58	66	5	03	1	1	5	6	1	1									
	05	9754	33		29	13	48	16	9	38	1														
	08	9786	32		32	09	41	16	8	73	7	8	6	4											
	11	9824	34		33	11	37	58	8	70	7	3	7	4	2										
	14	9827	35		31	12	32	74	7	15	7	4	5	5	1	1									
	17	9804	35		30	13	36	66	8	16	7	5	5	6	7										
	20	9787	36		27	13	33	74	8	02	2	6	5	6	1										
	23	9763	35		27	11	33	74	7	02	2	6	5	5	1					11	88	1363		36	31
22	02	9768	32		32	11	38	48	8	38	2	4	5	5	7										
	05	9790	32		30	11	25	80	7	02	2	1	5	6	7										
	08	9825	31		31	09	35	32	8	71	7	8	0	9	7										
	11	9878	33		33	08	28	58	8	70	7	8	0	9	2										
	14	9918	37		31	09	26	74	5	01	7	1	5	6	3	8									
	17	9956	36		33	10	20	74	7	02	1	2	8	5	3										
	20	9978	33		32	11	24	74	7	02	2	2	6	5	3										
	23	10007	33		32	11	27	66	7	02	2	4	5	6	3					12	58	778		38	31
23	02	10024	32		32	11	31	58	8	36	2	4	5	6	3										
	05	10041	32		32	11	31	63	8	36	3	3	5	5	3										
	08	10047	33		32	12	31	66	8	36	3	2	5	6	1										
	11	10043	35		31	11	31	74	8	02	2	3	5	7	1	8									
	14	10046	36		30	11	27	80	8	02	2	2	5	7	1	8									
	17	10040	36		30	09	15	80	8	15	2	4	5	6	1	8									
	20	10026	34		27	12	13	74	7	02	2	6	5	6	7										
	23	9997	31		23	11	21	80	6	01	2	4	5	6	7					11	44	658		37	30
24	02	9978	27		18	11	19	80	5	01	2	4	5	6	7										
	05	9956	23		13	11	21	80	1	02	2	1	0	9	3										
	08	9943	24		12	14	17	80	2	02	2	2	0	9	3										
	11	9934	27		16	13	21	84	1	02	1	1	0	9	3										
	14	9939	31		19	12	14	84	1	02	1	1	5	6											
	17	9944	31		19	03	05	84	1	02	1	1	5	6											
	20	9951	28		21	20	05	84	2	02	1	1	5	6	0	8									
	23	9951	22		14	11	23	84	0	02	1	0	0	9	0	0				11	34	454		32	22
25	02	9963	22		12	11	25	84	0	02	2	0	0	9	0	0									
	05	9981	22		12	11	20	84	1	02	2	0	0	9	0	5									
	08	9990	22		13	13	20	84	1	02	1	1	0	9	3	0									
	11	9994	25		15	13	22	84	1	02	2	1	0	9	3	0									
	14	10000	29		19	11	17	84	1	02	1	1	0	9	3	0									
	17	9992	32		18	09	04	84	1	02	2	1	0	9	3	0									
	20	9983	26		19	11	15	84	1	02	2	1	1	6	0	0									
	23	9983	19		11	11	25	82	1	02	2	1	5	6	0	0				13	34	355		32	19
26	02	9938	18		09	11	24	82	1	02	2	1	5	6	0	0									
	05	9913	15		08	11	20	80	4	02	2	1	5	6	0	5									
	08	9887	19		12	11	26	84	2	02	1	1	0	9	3	8									
	11	9856	23		16	11	38	66	7	38	1	7	5	6											
	14	9829	25		21	12	39	63	8	38	3	7	5	6	1										
	17	9804	26		25	13	45	58	8	38	3	6	5	6	1										
	20	9798	25		25	11	44	48	8	38	3	4	5	6	1										
	23	9785	25		25	11	48	48	8	38	3	4	5	6	1					11	66	465		26	15
27	02	9776	25		25	11	49	32		38	3														
	05	9768	27		26	13	52	32		38	3														
	08	9753	25		25	13	51	00		38	3														
	11	9741	29		28	13	40	00	7	38	3	7	0	9	3										
	14	9767	31		30	12	38	08	8	38	3	8	0	9	1										
	17	9787	31		30	12	45	16	8	38	3	6	0	9	7	8									
	20	9808	27		26	11	44	32	7	36	3	5	0	9	7	8									
	23	9824	27		26	13	49	00	7	36	3	7	0	9	7					13	75	1071		31	24

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LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
28	02	9845	25		24	13	45	00	8	36	3	8	0	9	7										
	05	9844	26		25	13	48	16	8	36	3	3	5	6	2										
	08	9841	26		25	12	40	16	8	36	3	3	5	6	2	8									
	11	9846	29		27	11	34	58	8	36	3	4	5	6	2	8									
	14	9852	31		29	11	29	63	8	03	3	6	5	5	2										
	17	9848	31		28	12	26	65	7	15	2	5	5	7	3										
	20	9844	27		23	13	31	74	7	02	2	4	5	6	3										
	23	9850	26		21	13	30	74	7	02	2	4	5	6	3					13	58	1075		31	24

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LOCAL STANDARD TIME			TEMPERATURES			SURFACE WIND							LOW CLOUD					DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST				EXTREME TEMPERATURES	
DAY	HOUR	STATION LEVEL PRESSURE	DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED	VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	AMOUNT	TYPE	BASE	MIDDLE CLOUD	HIGH CLOUD	LOW	MIDDLE	HIGH	DIRECTION	SPEED	ANEMOMETER WIND RUN	PRECIPITATION	MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°× 10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°× 10	kt	St.miles	Points	°F	°F
01	02	9853	24		16	13	29	74	4	02	2	2	5	6	3										
	05	9859	22		13	13	32	74	1	02	2	1	0	9	7										
	08	9868	21		12	13	30	80	3	03	1	1	5	7	3										
	11	9884	24		16	12	31	84	4	02	1	1	0	9	3	5									
	14	9899	27		19	11	23	84	5	02	1	1	5	7	7	6									
	17	9917	27		19	12	20	84	5	02	1	1	0	9	3	5									
	20	9939	21		16	13	17	84	2	02	1	1	5	6	0	1									
	23	9945	17		10	13	32	84	1	02	1	1	5	6						13	47	686		27	17
02	02	9954	17		09	13	40	80	5	03	1	5	5	6											
	05	9949	15		07	13	35	74	7	05	2	7	5	6											
	08	9946	14		07	13	37	80	7	02	2	7	5	7											
	11	9943	18		10	13	33	80	7	02	2	7	5	7											
	14	9925	22		15	13	32	80	5	01	2	2	5	7	3										
	17	9910	23		17	12	32	80	7	03	2	5	5	7	3										
	20	9885	24		18	13	41	74	7	15	2	5	5	6	7										
	23	9872	24		19	13	44	58	8	36	3	7	5	6	7					13	63	669		25	14
03	02	9847	27		18	13	48	66	6	01	3	5	5	6	3										
	05	9835	26		18	13	42	74	7	02	2	4	5	6	3										
	08	9825	28		17	13	37	74	7	02	2	2	5	7	3										
	11	9813	25		15	16	40	80	6	02	2	2	5	7	3	8									
	14	9791	27		17	16	38	80	6	02	2	2	5	7	3	8									
	17	9783	27		17	16	37	80	5	02	2	1	0	9	3	5									
	20	9792	24		15	15	34	80	3	01	1	1	0	9	7	5									
	23	9801	20		11	16	26	84	3	01	1	3	0	9	3	6				13	63	865		28	21
04	02	9801	20		11	16	26	84	3	01	1	0	0	9	0	2									
	05	9811	19		10	16	27	84	1	02	1	0	0	9	0	8									
	08	9819	21		11	16	17	84	1	02	1	1	0	9	1	0									
	11	9830	23		12	13	27	84	0	01	0	0	0	9	0	0									
	14	9844	26		16	13	25	84	1	03	0	1	5	6											
	17	9863	26		16	13	21	84	1	02	1	1	0	9	3										
	20	9885	19		09	13	30	84	1	03	1	1	5	6											
	23	9898	18		07	14	28	80	4	03	1	3	5	6	3	0				13	42	630		27	18
05	02	9921	18		07	14	28	80	7	03	1	4	5	6	3										
	05	9930	16		09	14	22	80	7	02	2	5	5	6	3										
	08	9945	15		08	16	21	80	7	02	2	7	5	6											
	11	9955	20		10	13	17	80	7	02	2	7	5	6											
	14	9960	25		16	13	13	84	2	01	1	1	0	9	3	2									
	17	9967	25		16	13	13	84	2	01	1	0	0	9	0	2									
	20	9972	18		10	13	10	84	3	02	1	0	0	9	0	6									
	23	10013	14		05	13	17	34	3	02	1	0	0	9	0	5				13	39	519		25	14
06	02	10011	14		04	13	16	84	5	02	1	1	0	9	1	6									
	05	9966	12		04	15	18	84	3	02	1	2	0	9	7	5									
	08	9953	10		02	15	31	84	7	02	1	7	0	9	3										
	11	9941	20		10	13	17	84	2	02	1	2	0	9	3										
	14	9921	22		12	11	21	84	4	03	1	2	0	9	7	5									
	17	9900	22		14	09	11	84	7	03	2	4	0	9	1	2									
	20	9880	17		09	13	21	84	8	02	2	1	8	6	2	5									
	23	9863	13		04	13	27	84	8	02	2	8	0	9	1					15	45	418		23	08
07	02	9821	12		02	13	31	84	8	02	2	8	0	9	1										
	05	9820	11		01	13	34	84	8	02	2	1	5	6	1										
	08	9820	11		00	13	36	84	8	02	2	1	5	6	1	6									
	11	9813	14		05	13	28	80	8	03	2	7	6	6	1										
	14	9806	19		09	11	24	80	8	02	2	4	6	6	1	8									
	17	9806	18		09	11	22	80	7	02	2	1	5	6	7	2									
	20	9806	15		07	12	27	80	8	02	2	4	5	7	2										
	23	9809	13		04	12	27	80	8	02	2	4	5	7	2					13	48	496		19	11
08	02	9809	13		04	13	29	80	8	02	2	3	5	6	2										
	05	9811	12		03	13	27	80	8	02	2	3	5	6	2	8									
	08	9814	10		03	13	32	66	8	36	7	6	5	6	2										
	11	9815	13		04	13	27	66	8	15	3	6	6	5	2										
	14	9811	15		06	13	30	66	8	15	2	6	6	5	2										
	17	9819	16		09	14	21	66	8	15	7	6	7	5	2										
	20	9824	13		07	15	26	66	7	05	2	5	5	5	7										
	23	9829	11		04	13	24	66	5	01	1	3	5	6	7					13	54	637		16	09
09	02	9826	07		00	16	27	66	3	01	1	2	5	6	7										
	05	9824	06		501	14	23	74	4	02	1	2	5	6	3										
	08	9826	04		504	15	29	80	2	01	1	2	0	9	3										
	11	9822	12		02	15	22	80	1	02	1	1	0	9	3										
	14	9815	14		04	13	28	80	1	02	1	1	0	9	3										
	17	9814	14		04	13	26	80	1	02	1	1	1	6											
	20	9813	09		00	13	27	80	1	02	1	1	5	6											
	23	9804	09		00	13	29	80	1	02	1	1	5	6						13	44	529		14	04

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LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	° × 10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	° × 10	kt	St.miles	Points	°F	°F
10	02	9800	06		503	15	27	80	1	02	1	1	6	9	1										
	05	9792	05		503	15	27	84	0	02	0	0													
	08	9776	05		503	15	29	84	1	02	1	1	5	6											
	11	9763	13		04	15	17	84	1	02	1	1	5	6											
	14	9743	17		08	13	17	84	1	02	1	1	5	6											
	17	9729	18		09	13	17	84	1	02	1	1	8	6											
	20	9719	13		05	16	14	84	1	02	1	1	5	6											
	23	9701	10		02	15	17	84	0	02	0									15	40	563		18	03
11	02	9701	08		00	14	25	84	0	02	0														
	05	9709	07		00	15	19	80	0	02	0														
	08	9715	10		02	14	20	84	1	02	0	1	5	7											
	11	9719	13		04	14	25	84	3	03	1	3	5	7											
	14	9729	15		07	14	14	80	5	03	1	5	5	5											
	17	9738	21		14	13	07	84	3	02	1	3	5	6											
	20	9750	12		04	13	17	84	1	01	1	1	5	6											
	23	9766	08		00	13	21	80	1	02	1	1	5	6						14	34	431		21	07
12	02	9784	09		02	13	23	80	7	03	2	7	5	6											
	05	9797	10		02	13	21	80	7	02	2	7	5	6											
	08	9817	09		02	13	17	84	5	02	2	5	5	6											
	11	9829	12		04	13	19	84	2	02	2	1	5	6	3										
	14	9845	17		08	12	18	84	1	02	1	1	0	9	3										
	17	9855	18		09	11	17	84	2	02	1	1	0	9	3	1									
	20	9867	11		03	12	24	84	1	02	1	0	0	9	0	1									
	23	9883	08		01	13	28	82	3	02	1	0	0	9	3					13	39	387		18	07
13	02	9894	11		04	13	21	80	3	02	2	7	5	6											
	05	9897	13		06	13	26	80	3	02	1	2	5	6	3										
	08	9900	15		08	13	26	80	7	02	1	6	5	6	2										
	11	9901	16		11	13	34	66	8	15	7	5	6	5	2										
	14	9898	17		11	12	38	74	8	15	2	5	5	6	2										
	17	9896	18		12	12	32	74	8	15	2	4	5	6	2										
	20	9904	18		17	13	31	32	8	71	7	8	6	4											
	23	9899	18		13	13	32	80	8	02	7	4	5	5	2					13	52	696		19	10
14	02	9894	18		11	13	29	80	8	02	2	4	5	5	2										
	05	9900	15		09	16	25	80	6	02	2	3	5	6	2	5									
	08	9901	12		05	16	28	82	4	01	2	2	5	6	3	5									
	11	9901	19		10	14	16	84	3	02	1	2	0	9	3	2									
	14	9899	20		11	12	16	84	5	03	1	5	0	9	3										
	17	9970	20		11	13	12	84	6	03	1	1	8	6	3										
	20	9918	13		05	13	19	84	1	02	1	1	8	6	0										
	23	9927	09		01	13	23	84	0	02	0	0	0	9	0	0				16	45	505		21	09
15	02	9936	09		01	13	20	84	0	02	0														
	05	9944	08		00	13	17	84	0	02	0														
	08	9949	07		501	13	17	84	0	02	0														
	11	9960	11		01	13	18	84	1	03	0	0	0	9	0	5									
	14	9977	17		01	11	11	84	1	03	0	1	0	9	1										
	17	9981	16		06	11	10	84	0	02	0														
	20	9997	08		00	13	24	82	1	02	0	1	0	9	1										
	23	10010	07		501	13	27	82	1	02	1	1	0	9	1					13	35	386		18	06
16	02	10019	09		03	13	17	82	7	03	1	3	5	7	2										
	05	10015	10		02	13	29	82	8	02	2	4	5	6	2	8									
	08	10014	08		501	13	34	82	8	02	2	2	5	7	2										
	11	9991	13		02	11	35	74	8	02	2	1	5	5	2										
	14	9963	17		06	11	45	74	8	02	2	4	0	7	2										
	17	9943	18		08	11	36	66	8	02	2	5	6	5	2										
	20	9897	18		09	11	47	64	8	02	2	7	5	6	2										
	23	9878	16		14	11	54	00	9	38	3									11	68	477		18	07
17	02	9850	15		14	11	55	00	9	39	3														
	05	9808	15		14	11	55	00	9	39	3														
	08	9783	16		15	11	53	00	9	39	3														
	11	9766	12		10	11	58	00	9	39	3														
	14	9750	18		17	13	55	00	9	39	3														
	17	9752	18		17	13	52	00	9	39	3														
	20	9766	19		18	13	45	00	9	39	3														
	23	9761	18		17			00	9	39	3											1165			
18	02	9761	23		22			00	9	39	3														
	05	9743	18		17	11	60	00	9	39	3														
	08	9744	18		17	13	60	00	9	39	3														
	11	9761	18		17	13	60	00	9	39	3														
	14	9770	17		16	13	50	00	9	39	3														
	17	9787	17		16	11	52	00	9	39	3														
	20	9834	17		16	11	45	00	9	39	3														
	23	9871	15		14	11	45	00	9	39	3											1318			

9910 (cos. Ray)

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LOCAL STANDARD TIME			TEMPERATURES			SURFACE WIND						LOW CLOUD					DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST				EXTREME TEMPERATURES	
DAY	HOUR	STATION LEVEL PRESSURE	DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED	VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	AMOUNT	TYPE	BASE	MIDDLE CLOUD	HIGH CLOUD	LOW	MIDDLE	HIGH	DIRECTION	SPEED	ANEMOMETER WIND RUN	PRECIPITATION	MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	° × 10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	° × 10	kt	St.miles	Points	°F	°F
19	02	9887	17		16	11	42	00	9	39	3														
	05	9898	18		17	12	34	15	8	36	3	7	5	5	2										
	08	9913	18		14	13	25	66	8	02	3	6	5	6	5										
	11	9916	20		16	15	15	84	8	02	2	1	5	6	5	6									
	14	9903	22		16	13	10	84	8	02	2	1	5	6	0	6									
	17	9879	22		17	13	10	84	8	02	2	1	5	6	2	6									
	20	9861	18		13	14	19	84	6	02	2	1	5	6	0	6									
	23	9834	11		06	14	27	84	1	02	0	1	5	6						14	36	1040		23	11
20	02	9816	13		10	14	30	80	6	03	2	6	5	6											
	05	9798	14		11	13	30	80	8	36	2	5	5	5	2										
	08	9794	13		11	13	34	66	8	36	3	6	5	6	2										
	11	9801	13		10	13	38	60	8	36	3	6	5	5	2										
	14	9816	15		12	13	31	74	4	01	3	2	5	6	0	5									
	17	9815	13		10	13	31	80	6	02	1	1	5	6	0	5									
	20	9821	10		07	11	26	80	7	02	2	1	5	6	2	5									
	23	9814	10		07	11	24	80	0	02	1									13	54	493		15	10
21	02	9797	11		07	13	24	80	0	02	0														
	05	9781	13		08	13	26	82	0	02	1														
	08	9773	13		10	11	31	80	4	03	1	2	0	9	4	5									
	11	9766	12		08	13	25	80	6	03	1	4	5	7	4	0									
	14	9774	17		14	13	31	80	8	36	2	6	5	6	4										
	17	9777	18		08	13	31	74	8	36	3	6	5	6	2										
	20	9780	16		10	11	38	74	8	36	3	6	5	6	2										
	23	9790	17		09	11	30	80	1	03	1	1	0	9	2					11	54	653		19	10
22	02	9795	15		09	12	31	80	1	02	1	1	0	9	2										
	05	9793	17		11	12	27	80	6	01	1	5	5	6	2										
	08	9789	17		17	12	25	58	7	71	2	6	6	5											
	11	9789	17		16	12	38	00	9	39	7														
	14	9800	19		18	13	31	58	8	36	3	4	5	5	2										
	17	9803	19		18	13	22	74	8	02	3	6	5	6	2										
	20	9798	15		13	13	29	74	8	02	2	5	5	6	5	8									
	23	9793	15		13	11	31	74	3	01	1	3	5	6	0	0				12	55	705		19	14
23	02	9791	13		12	11	40	58	8	36	2	8	5	6											
	05	9796	13		12	11	41	58	8	36	3	8	5	6											
	08	9809	14		13	11	40	58	7	36	3	7	5	6											
	11	9823	16		15	11	37	66	7	36	3	6	5	6	1										
	14	9839	18		15	11	39	80	7	36	3	3	5	6	3	1									
	17	9850	16		13	11	38	80	7	36	3	3	5	6	3	1									
	20	9865	14		12	11	36	80	6	36	3	2	5	6	7										
	23	9883	17		13	11	30	80	3	01	3	2	5	6	7					12	55	798		18	09
24	02	9894	13		08	13	31	80	4	02	1	2	5	6	7										
	05	9900	09		04	13	28	80	3	02	1	2	5	6	7										
	08	9913	05		02	16	31	80	2	02	1	1	0	9	3	1									
	11	9922	13		07	13	19	82	3	02	1	3	0	9	3										
	14	9935	13		00	13	22	82	5	03	1	3	5	6	3										
	17	9947	12		00	13	17	82	7	03	1	5	5	5	3										
	20	9953	09		503	16	22	82	7	02	2	7	5	5											
	23	9953	10		502	12	22	82	8	02	2	5	5	5	2					15	42	743		17	05
25	02	9950	10		502	12	24	82	5	01	2	5	5	6											
	05	9950	08		504	15	14	82	5	03	2	5	5	6											
	08	9949	08		504	13	18	84	6	02	2	6	5	5											
	11	9948	11		501	12	20	84	7	02	2	7	5	7											
	14	9945	13		501	12	20	84	7	02	2	7	5	7											
	17	9945	12		00	11	15	84	7	02	2	1	1	6	5										
	20	9956	10		502	11	30	84	7	02	2	1	1	6	5										
	23	9964	09		502	11	34	82	8	36	2	8	5	7						11	42	458		13	08
26	02	9958	09		504	11	34	80	7	36	3	7	5	7											
	05	9915	08		503	11	32	80	8	36	3	8	5	6											
	08	9911	08		504	12	27	80	8	36	3	1	5	6	3										
	11	9893	10		502	16	28	80	7	02	3	7	5	5											
	14	9882	09		00	14	35	74	7	36	3	5	5	5											
	17	9880	10		03	13	35	32	8	36	3	5	5	5	2										
	20	9884	11		02	13	29	66	7	36	3	7	5	5											
	23	9876	12		01	13	31	66	5	02	3	6	5	6						13	52	600		12	08
27	02	9877	10		501	13	29	74	6	36	3	6	5	6											
	05	9876	07		505	16	25	74	3	02	3	3	5	6											
	08	9876	05		504	16	31	80	5	03	1	3	5	6	0	1									
	11	9868	07		503	16	25	84	2	01	1	2	5	6	0	1									
	14	9865	09		504	16	23	84	6	03	2	6	0	9	3										
	17	9863	06		505	16	25	84	4	01	1	3	5	7	3										
	20	9860	04		508	16	22	84	3	01	1	3	5	7											
	23	9845	01		510	15	26	84	0	02	1									14	45	703		10	01

Results of Surface Observations,
MAWSON – Mar., 1961

LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	° × 10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	° × 10	kt	St.miles	Points	°F	°F
28	02	9838	01		510	15	22	84	1	02	0	1	1	7											
	05	9825	01		508	15	27	80	0	02	0														
	08	9819	03		504	15	23	80	1	36	0	1	5	7											
	11	9812	07		501	16	24	84	1	09	1	1	5	7											
	14	9799	13		01	14	26	84	1	01	1	1	5	8											
	17	9783	16		501	13	20	84	1	02	1	1	5	7											
	20	9765	12		06	12	30	84	1	02	1	1	5	7											
	23	9739	15		12	11	22	84	2	03	1	2	0	9	1					11	39	474		17	01
29	02	9719	20		12	11	26	84	8	02	2	8	0	9	7										
	05	9701	21		12	11	31	84	3	01	2	1	5	6	1										
	08	9682	25		19	11	33	80	8	15	2	5	5	6	1										
	11	9670	27		20	13	32	74	8	36	3	8	6	4											
	14	9668	28		14	13	45	74	8	36	3	8	6	5											
	17	9654	26		17	13	45	66	8	36	3	5	6	5	1										
	20	9624	26		17	13	62	74	8	36	3	5	5	6	1										
	23	9628	28		17	13	54	66	8	36	3	5	5	6	1					11	81	623		29	17
30	02	9649	25		24	11	50	00	9	39	3														
	05	9723	28		27	09	38	00	9	39	3	8		5											
	08	9740	27		18	11	29	48	8	71	3														
	11	9757	26		22	13	40	00	9	39	3														
	14	9765	27		26	13	45	00	9	39	3														
	17	9779	26		25	13	45	00	9	39	3														
	20	9793	24		28	11	45	00	9	39	3														
	23	9809	23			12	45	58	7	38	3	7	5	5						11	64	1066		28	23
31	02	9827	24			13	36	58	6	38	3	6	5	5											
	05	9840	26			13	33	66	7	36	3	7	5	6											
	08	9843	24			13	25	80	8	15	3	5	5	6	2										
	11	9838	25		12	13	29	80	7	09	2	5	5	5	2										
	14	9835	25		13	14	21	80	7	01	2	6	5	7	3										
	17	9830	25		12	13	17	80	7	02	2	6	5	7	2										
	20	9823	17		06	15	23	80	2	01	1	1	5	7	2										
	23	9830	14		02	15	14	82	1	01	1	1	5	6						12	53	1000		26	15

Results of Surface Observations,
MAWSON – Apr., 1961

LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
01	02	9829	12		01	13	26	82	1	02	1	1	5	6											
	05	9830	11		00	13	31	82	1	02	1	1	5	6											
	08	9822	11		00	12	31	82	2	03	2	2	5	7											
	11	9816	15		04	12	31	80	5	03	2	5	0	9	3										
	14	9819	17		08	13	31	80	8	15	2	6	5	7	3										
	17	9791	18		10	13	45	65	8	36	7	6	5	6	7										
	20	9789	18		15	12	45	65		38	3														
	23	9797	21		14	11	44	74	7	02	3	6	5	6	7					11	61	528		22	10
02	02	9806	23		12	11	39	74	7	02	2	5	5	6	7										
	05	9803	26		11	11	38	74	7	02	2	4	5	6	2										
	08	9814	25		09	13	38	80	8	15	2	8	0	9	2										
	11	9826	22		09	16	31	80	8	15	2	8	0	7	7										
	14	9828	24		10	16	30	80	8	02	2	4	5	7	2										
	17	9843	22		09	16	32	80	8	02	2	4	5	7	2										
	20	9844	23		10	14	26	80	8	02	2	3	5	7	7										
	23	9864	21		07	16	25	82	8	02	2	3	5	7	7					13	57	808		27	21
03	02	9874	18		06	14	23	82	6	01	2	2	5	7	1										
	05	9894	16		03	15	25	82	8	03	2	1	0	9	1	7									
	08	9902	16		03	13	24	82	6	01	2	2	0	9	1	1									
	11	9920	20		06	13	20	84	3	01	1	0	0	9	0	8									
	14	9938	20		08	13	22	84	1	02	1	1	0	9	3										
	17	9943	18		05	12	27	84	2	02	1	1	0	9	3	8									
	20	9945	16		05	13	31	66	8	36	3	5	5	5	2										
	23	9942	21		09	13	29	66	8	36	3	5	5	5	2					11	40	586		20	15
04	02	9927	15		03	11	26	66	8	36	3	5	5	6	7										
	05	9885	15		13	11	40	00		38	3														
	08	9846	18		17	11	49	00		38	3														
	11	9832	17		16	12	48	00		38	3														
	14	9814	18		16	12	48	00		39	3														
	17	9805	17		16	12	52	00		39	3														
	20	9797	17		16	12	52	00		39	3														
	23	9794	17		16	12	50	00		39	3									11	59	732		18	15
05	02	9796	18		17	12	45	00		39	3														
	05	9791	18		17	12	49	00		39	3														
	08	9770	18		17	12	50	00		39	3														
	11	9798	19		18	12	48	00		39	3														
	14	9796	19		18	12	40	00		39	3														
	17	9786	19		17	12	39	00		38	3														
	20	9780	19		16	12	40	01	8	36	3	8	0	9	2										
	23	9775	17		16	13	38	16	8	38	3	8	0	9	2					12	65	1254		19	17
06	02	9775	16		15	13	38	16	8	38	3	8	0	9	2										
	05	9778	17		16	12	36	16	8	38	3	8	0	9	2										
	08	9784	19		10	12	36	58	8	36	3	8	4	6											
	11	9793	18		13	13	36	58	8	36	3	8	6	6											
	14	9804	17		12	13	29	63	8	36	3	8	6	6											
	17	9814	17		12	13	30	58	8	36	3	8	6	5											
	20	9828	17		08	13	26	63	8	36	3	8	6	5											
	23	9838	15		06	13	19	74	8	02	3	8	6	5						12	50	956		18	14
07	02	9847	14		06	13	17	80	8	02	2	8	6	5											
	05	9852	13		03	13	17	80	8	02	2	3	5	7	2										
	08	9854	09		01	13	18	80	4	02	2	4	0	8	7										
	11	9864	11		00	13	22	80	7	02	1	6	5	7	3										
	14	9871	09		00	13	28	80	8	02	2	6	5	7	7										
	17	9868	11		00	13	26	80	8	02	2	8	5	6											
	20	9876	11	501		12	25	80	7	02	2	4	5	6	2										
	23	9881	10	502		12	26	80	2	01	0	2	5	6						12	41	542		14	09
08	02	9881	11	503		13	36	80	0	01	0	8	0	9	1										
	05	9874	07	502		12	40	66	8	02	2	8	0	9	2										
	08	9869	07		01	12	44	66	8	36	3	8	6	5											
	11	9874	13		03	13	36	66	8	36	3	8	5	5											
	14	9881	14		04	13	30	61	8	15	3	8	5	5											
	17	9882	14		05	13	32	66	8	15	3	8	5	5											
	20	9892	12		06	13	27	66	8	02	2	8	5	5											
	23	9902	13		05	13	30	66	8	02	2	8	5	6						13	64	683		13	07
09	02	9916	11		02	14	27	80	7	02	2	7	5	7											
	05	9923	11		00	14	25	80	7	02	2	7	5	7											
	08	9933	07	504		15	23	74	1	01	1	1	5	7											
	11	9950	07	503		15	24	80	1	02	1	1	0	9	3										
	14	9969	06	503		16	25	80	2	02	1	1	5	7	3										
	17	9979	03	505		16	26	80	2	02	1	1	5	7	3										
	20	9995	501	510		14	31	84	0	01	0														
	23	9999	503	511		15	23	84	0	02	0									13	44	690		13	504

Results of Surface Observations,
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LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
10	02	9999	504		512	15	22	84	0	02	0														
	05	10002	502		512	14	21	84	0	02	0														
	08	10006	504		513	15	19	84	1	03	0	1	5	6											
	11	10006	504		508	14	19	84	1	02	0	1	5	6											
	14	10005	501		512	09	12	84	1	02	0	1	5	6											
	17	10008	01		510	04	15	84	1	01	0	1	5	5											
	20	10010	02		509	16	10	84	0	02	0														
	23	10006	501		514	15	15	84	0	02	0									15	35	289		02	504
11	02	10005	501		510	14	17	84	0	02	0														
	05	10002	500		510	15	18	84	0	02	0														
	08	9998	01		510	00	00	84	1	03	0	1	5	6											
	11	9992	01		509	14	15	84	1	02	0	1	5	6											
	14	9982	04		505	11	14	84	1	02	0	1	0	8	1										
	17	9965	04		505	10	15	84	1	02	1	0	0	9	0	1									
	20	9965	02		507	10	17	84	1	02	0	0	0	9	0	1									
	23	9955	501		509	12	24	84	1	02	0	0	0	9	0	1				12	32	466		05	501
12	02	9954	501		510	15	13	84	1	02	0	0	0	9	0	1									
	05	9947	503		512	13	20	84		02	0	0	0	9	0	1									
	08	9944	01		510	15	12	84		02	0	1	0	9	1										
	11	9937	01		508	15	17	84		02	0	1	0	9	1										
	14	9928	04		506	14	12	84		02	0	1	0	9	1										
	17	9929	00		511	19	26	80		02	0	0	0	9	0	1									
	20	9916	02		510	20	09	80		02	0	0	0	9	0	2									
	23	9915	00		511	15	17	80		02	0	0	0	9	0	2				15	44	319		04	503
13	02	9990	502		507	15	35	80	1	02	0	0	0	9	0	2									
	05	9891	501		510	16	31	80	0	02	0														
	08	9889	00		510	14	29	80	8	03	1	1	5	7	0	7									
	11	9872	05		501	12	36	74	8	36	2	1	5	7	2										
	14	9867	10		02	12	31	80	8	02	3	2	5	7	7	7									
	17	9869	15		06	13	22	80	8	03	2	5	5	6	7										
	20	9869	14		05	14	25	80	8	02	2	5	5	6	2										
	23	9871	17		08	14	31	80	8	02	2	8	5	6						12	44	477		17	503
14	02	9875	19		09	14	22	80	8	02	2	8	5	6											
	05	9869	20		10	14	26	80	8	02	2	8	5	6											
	08	9872	19		11	13	27	66	8	70	7	8	6	5											
	11	9878	18		13	14	25	66	8	71	7	8	6	5											
	14	9883	18		12	13	24	66	8	71	7	8	6	5											
	17	9885	19		11	13	22	66	8	15	7	8	6	5											
	20	9889	18		12	13	22	66	7	01	2	7	5	5											
	23	9889	17		12	12	29	66	5	02	1	5	5	5						13	40	595		20	16
15	02	9889	17		10	13	24	66	6	02	1	6	5	5											
	05	9891	16		10	12	20	74	3	01	1	3	5	5											
	08	9889	17		10	12	20	66	8	03	1	8	5	5											
	11	9889	18		12	12	27	58	8	70	2	8	6	5											
	14	9892	20		15	13	18	63	8	70	7	8	6	5											
	17	9889	20		13	13	27	66	7	15	7	3	5	5	7										
	20	9891	20		12	13	21	74	8	01	2	1	5	5	7										
	23	9892	21		11	13	22	74	8	02	2	1	5	5	7					13	36	552		21	15
16	02	9898	17		09	14	22	80	7	02	2	2	5	6	7										
	05	9913	13		05	14	21	80	2	01	0	2	5	6											
	08	9918	13		04	15	17	82	2	02	1	1	0	9	2	5									
	11	9930	15		04	14	21	84	3	03	1	1	0	9	7	5									
	14	9944	17		05	13	17	84	3	02	1	1	0	9	3	8									
	17	9957	14		02	13	22	84	2	02	1	1	0	9	3	8									
	20	9984	09		501	13	22	84	0	02	1														
	23	10008	11		00	13	19	84	0	02	0									13	37	493		20	09
17	02	10020	10		502	13	23	84	0	02	0														
	05	10034	11		502	13	23	84	0	02	0														
	08	10046	09		504	13	26	84	1	03	0	1	5	7											
	11	10057	08		502	12	29	84	2	03	1	1	5	7	5										
	14	10068	11		01	12	23	84	3	03	1	1	5	7	3										
	17	10076	10		01	12	21	84	3	03	1	2	5	7	3										
	20	10084	07		501	12	22	84	7	03	2	7	5	6											
	23	10079	11		02	13	22	84	4	01	2	4	5	6						12	40	531		11	07
18	02	10070	12		02	13	23	84	0	01	1														
	05	10057	11		01	13	27	80	8	03	2	5	5	6	3										
	08	10040	11		00	13	28	66	8	15	2	5	5	5	7										
	11	10028	12		01	13	28	66	8	15	2	6	5	5	7										
	14	10016	12		01	12	25	66	8	15	2	7	5	5	7										
	17	10005	11		00	13	25	66	8	16	2	7	5	7	2										
	20	10003	11		501	13	17	74	8	01	2	8	5	7											
	23	10000	09		501	12	18	74	8	02	2	4	5	6	2					13	42	560		13	08

Results of Surface Observations,
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LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		inHg × 10⁻¹	°F	°F	°F	° × 10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	° × 10	kt	St.miles	Points	°F	°F
19	02	9971	07		503	12	21	74	8	02	3	4	5	6	2										
	05	9958	07		504	13	24	74	8	02	2	5	6	6	2										
	08	9943	05		506	15	25	80	8	02	2	8	5	7											
	11	9928	05		505	15	25	82	8	02	2	1	5	7	3										
	14	9911	06		504	13	29	80	1	01	1	1	0	9	3										
	17	9904	08		00	13	24	80	6	03	1	5	5	7											
	20	9898	09		01	13	29	74	8	36	3	8	5	7											
	23	9902	10		04	13	17	60	8	71	3	8	5	7						13	42	507		10	04
20	02	9898	09		06	13	15	58	8	71	7	8	5	7											
	05	9897	06		05	13	25	48	8	71	7	8	5	7											
	08	9894	04		00	13	25	56	5	36	7	5	5	7											
	11	9891	05		02	14	17	74	5	01	3	1	5	7	3										
	14	9885	01		503	15	22	84	1	01	0	1	5	7											
	17	9880	02		509	15	17	84	7	03	2	1	5	7	5										
	20	9865	02		506	15	14	84	3	01	1	3	0	9	3										
	23	9856	502		509	15	22	84	0	01	1									13	35	538		10	502
21	02	9840	01		506	14	24	84	2	03	1	2	0	9	3										
	05	9827	02		507	14	17	84	0	01	1														
	08	9817	01		510	15	17	84	1	03	0	1	0	9	3										
	11	9807	02		505	14	19	84	0	01	1														
	14	9805	06		503	25	03	87	0	02	0														
	17	9807	06		503	17	07	87	0	02	0														
	20	9819	05		502	13	10	87	0	02	0														
	23	9840	03		504	16	29	87	0	02	0									16	45	417		08	503
22	02	9859	02		503	16	34	87	0	02	0														
	05	9884	02		505	16	32	87	0	02	0														
	08	9907	06		502	16	29	87	1	03	0	1	0	9	1										
	11	9929	11		02	14	31	84	8	02	2	8	0	9	2										
	14	9948	14		03	14	25	84	8	02	2	8	0	9	2										
	17	9958	13		02	14	28	84	8	02	2	8	0	9	2										
	20	9960	13		03	14	25	84	7	01	2	4	0	9	1										
	23	9954	13		05	14	24	80	8	02	2	8	0	9	2					16	45	463		14	02
23	02	9942	14		07	14	29	80	8	02	2	8	0	9	2										
	05	9923	14		08	11	26	74	8	36	3	5	0	9	2	6									
	08	9903	15		09	11	29	58	8	38	3	8	0	9	2										
	11	9899	13		04	02	09	53	8	16	3	8		6											
	14	9880	15		08	06	08	74	8	15	2	4	6	6	1										
	17	9865	14		08	19	03	66	8	15	2	6	0	9	7	2									
	20	9852	16		05	08	15	74	8	01	2	2	0	9	1	7									
	23	9838	14		05	09	11	74	8	01	2	3	0	9	1	7				11	41	614		16	13
24	02	9824	14		01	13	13	80	0	01	1														
	05	9809	13		01	13	11	84	0	02	0														
	08	9797	13		00	13	07	84	0	02	0														
	11	9797	11		00	08	06	84	0	02	0														
	14	9769	13		01	13	19	84	0	02	0														
	17	9764	08		503	11	20	84	1	03	0	1	0	9	1										
	20	9750	07		505	12	25	84	1	02	0	1	0	9	1										
	23	9735	07		505	12	28	84	1	02	0	1	0	9	1					12	37	227		14	06
25	02	9725	06		506	12	26	84	0	02	0														
	05	9716	04		508	13	27	84	1	02	0	1	0	9	3										
	08	9711	06		506	13	25	84	1	02	0	1	0	9	7										
	11	9713	08		507	13	29	84	2	03	1	0	0	9	0	1									
	14	9713	08		507	14	26	84	2	02	1	0	0	9	0	6									
	17	9717	05		508	13	30	84	2	02	1	0	0	9	0	6									
	20	9731	06		508	14	27	84	0	02	0														
	23	9743	06		508	13	28	84	0	02	0									13	45	605		08	03
26	02	9757	06		508	13	20	84	1	02	0	1	0	9	1										
	05	9775	05		509	14	25	84	1	02	0	1	0	9	1										
	08	9785	05		509	14	18	84	1	02	0	1	0	9	3										
	11	9793	03		509	16	24	84	1	02	0	1	0	9	3										
	14	9802	08		506	13	17	84	3	03	1	0	0	9	0	4									
	17	9811	06		508	13	12	84	6	03	2	0	0	9	0	6									
	20	9820	07		509	12	25	84	1	01	1	0	0	9	1										
	23	9829	03		510	13	28	84	8	03	1	0	0	9	0	7				13	39	480		09	03
27	02	9838	04		509	13	28	84	8	02	2	0	0	9	0	7									
	05	9846	02		510	13	26	84	0	02	1														
	08	9852	02		510	13	26	84	1	02	0	1	0	9	3										
	11	9854	02		510	13	26	84	8	01	2	3	0	9	5	6									
	14	9857	06		506	13	20	80	7	03	2	3	0	9	7	6									
	17	9858	06		506	13	25	80	8	03	2	5	6	7	0	6									
	20	9860	05		508	13	22	80	6	02	2	0	0	9	0	6									
	23	9851	00		512	13	26	80	6	02	2	0	0	9	0	6				13	38	553		07	500

Results of Surface Observations,
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LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	° × 10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	° × 10	kt	St.miles	Points	°F	°F
28	02	9851	02		511	13	15	80	5	01	2	1	0	9	3	6									
	05	9850	502		514	16	30	80	2	01	1	2	0	9	3										
	08	9849	502		514	13	26	82	2	02	0	2	0	9	3										
	11	9843	01		511	13	24	82	6	03	1	6	5	5											
	14	9842	03		506	13	19	82	7	02	2	7	5	5											
	17	9836	02		506	13	21	82	7	02	2	7	5	5											
	20	9840	501		508	16	20	74	8	70	7	8	5	5											
	23	9832	02		504	15	13	74	8	70	7	8	5	5						15	38	531		03	503
29	02	9831	504		508	15	25	66	8	71	7	8	5	5											
	05	9831	505		512	13	20	66	8	70	7	8	5	5											
	08	9842	506		515	14	26	66	5	36	7	2	5	5	1										
	11	9846	506		517	14	20	74	6	01	3	1	5	6	1	6									
	14	9850	505		516	15	13	80	3	01	2	0	0	9	0	1									
	17	9855	506		517	15	22	84	3	02	1	0	0	9	0	2									
	20	9868	507		518	15	20	84	1	01	1	0	0	9	0	2									
	23	9880	507		521	15	20	84	1	02	0	0	0	9	0	2				14	43	435		00	507
30	02	9887	508		517	15	28	84	1	02	0	0	0	9	0	2									
	05	9898	508		518	15	25	84	3	03	1	0	0	9	0	2									
	08	9903	508		518	15	21	84	4	03	2	0	0	9	0	5									
	11	9907	504		514	13	12	84	6	03	2	3	0	7	4	6									
	14	9901	504		514	13	14	84	1	01	1	1	0	9	3										
	17	9894	509		518	16	17	84	1	01	1	1	5	7											
	20	9883	509		520	13	26	84	0	02	0														
	23	9872	509		519	13	24	84	1	02	0	1	5	7						13	38	462		503	510

Results of Surface Observations,
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LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	w	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
01	02	9867	511		520	13	29	84	1	02	1	1	5	7											
	05	9852	508		517	13	32	84	0	36	3														
	08	9839	508		517	13	35	74	1	36	3	1	5	7											
	11	9836	506		514	13	31	74	2	09	3	2	5	7											
	14	9823	02		505	13	36	58	8	38	2	8													
	17	9827	00		504	13	41	58	6	38	3	6	7	5											
	20	9842	500		503	13	38	56	6	38	3	6	5	6											
	23	9847	03		501	13	45	56	5	38	3	5	5	6						13	63	815		03	511
02	02	9851	05		503	13	40	58	7	36	3	7	5	6											
	05	9849	03		508	15	38	66	2	01	1	2	0	9	0	8									
	08	9845	03		508	15	41	80	0	01	0														
	11	9837	08		504	13	35	80	1	03	1	1	0	9	2										
	14	9832	06		502	15	29	84	1	02	0	1	0	9	1										
	17	9831	05		504	15	31	84	0	02	0														
	20	9824	05		504	15	32	84	0	02	0														
	23	9804	05		504	15	40	84	0	02	0									15	63	611		09	03
03	02	9771	03		507	15	47	84	0	02	0														
	05	9761	03		509	15	50	84	0	02	0														
	08	9741	03		510	15	49	80	0	02	0														
	11	9726	06		508	15	48	80	1	36	3	0	0	9	0	8									
	14	9708	06		508	16	45	80	1	36	3	0	0	9	0	8									
	17	9694	05		508	16	45	80	1	09	3	0	0	9	0	8									
	20	9674	05		508	16	45	80	0	01	1														
	23	9684	06		507	16	42	80	0	02	0									16	64	1003		06	01
04	02	9708	04		508	15	41	80	0	02	0														
	05	9730	01		509	15	41	80	0	02	0														
	08	9754	03		508	15	31	80	0	02	0														
	11	9773	06		505	13	17	84	6	03	1	6	5	7											
	14	9783	13		03	13	25	84	4	02	1	4	5	7											
	17	9799	09		502	15	20	80	1	01	1	1	5	7											
	20	9814	08		503	15	17	80	1	02	0	1	5	7											
	23	9822	05		505	15	28	80	0	02	0									15	53	675		14	01
05	02	9812	03		508	15	35	80	0	02	0														
	05	9804	02		508	15	27	80	0	02	0														
	08	9791	02		509	15	18	80	4	02	0	4	0	9	1										
	11	9773	05		506	14	15	74	8	05	2	3	7	6	2										
	14	9755	10		501	14	18	74	8	05	2	8	5	6											
	17	9735	09		502	13	30	66	8	15	2	8	5	7											
	20	9726	07		05	13	29	32	8	70	2	8	5	5											
	23	9722	07		06	13	32	16	8	71	7	8	5	5						13	44	548		10	01
06	02	9731	07		06	13	31	16	8	71	7	8	5	5											
	05	9750	08		07	13	24	32	8	71	7	8	5	5											
	08	9766	07		06	13	27	32	8	38	7	8	5	5											
	11	9778	06		05	13	30	16	7	38	3	7	5	5											
	14	9789	07		07	13	24	74	8	36	3	8	5	5											
	17	9799	10		06	13	16	80	8	02	3	8	5	5											
	20	9799	09		03	13	20	80	8	02	2	4	5	5	1										
	23	9799	09		02	15	17	80	8	02	2	8	5	5						13	44	548		10	05
07	02	9791	10		02	13	25	80	5	01	2	5	5	5											
	05	9785	11		05	13	26	66	8	36	3	8	5	5											
	08	9779	15		08	13	34	66	7	36	3	7	5	5											
	11	9781	16		07	13	36	66	6	38	3	6	5	5											
	14	9785	17		08	14	31	66	7	15	3	7	5	5											
	17	9797	16		08	14	28	66	8	15	2	8	5	5											
	20	9796	16		06	13	26	66	7	15	2	7	5	5											
	23	9802	15		06	13	31	66	6	15	2	6	5	5						13	54	589		17	07
08	02	9802	13		05	13	26	66	7	02	2	7	5	5											
	05	9801	16		06	13	25	74	8	02	2	8	5	5											
	08	9787	15		05	13	26	74	7	02	2	7	5	7											
	11	9783	14		05	13	28	74	7	02	2	7	5	7											
	14	9779	13		04	13	25	74	8	02	2	7	5	7	1										
	17	9774	13		06	13	21	74	8	15	2	6	5	7	1										
	20	9762	14		07	13	17	74	8	02	2	5	5	7	1										
	23	9747	14		07	16	16	74	6	02	2	4	5	7	1					13	48	701		16	13
09	02	9736	14		06	16	17	74	7	02	2	5	5	7	1										
	05	9727	13		05	16	22	74	8	02	2	6	5	7	1										
	08	9726	14		05	15	24	80	6	01	2	4	5	7	1										
	11	9733	16		06	26	09	80	6	02	2	6	6	5											
	14	9747	17		08	25	14	80	6	02	2	6	5	7											
	17	9760	18		07	30	08	84	5	01	2	5	5	8											
	20	9770	18		07	15	21	84	2	01	1	2	5	8											
	23	9800	18		06	13	32	80	0	02	0									13	47	512		20	12

Results of Surface Observations,
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LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	° × 10	kt	VV	Oktas	ww	w	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	° × 10	kt	St.miles	Points	°F	°F
10	02	9801	17		05	13	34	80	0	02	5														
	05	9793	17		06	13	45	80	1	02	5	1	5	8											
	08	9799	16		05	13	47	80	2	02	5	2	5	7											
	11	9809	17		06	13	42	74	7	36	3	6	5	7	1										
	14	9824	13		09	12	39	48	6	38	3	2	5	7	1	5									
	17	9839	16		08	13	43	66	8	36	3	2	5	7	0	5									
	20	9860	15		11	12	43	61	8	38	3	2	5	7	0	2									
	23	9885	15		02	13	50	56	0	36	3									12	77	668		19	12
11	02	9890	15		03	13	43	66	0	36	3														
	05	9893	16		03	13	38	65	8	36	3	3													
	08	9904	12		01	16	31	74	8	01	3	2	5	7	0	5									
	11	9899	11		00	15	26	74	8	02	2	2	5	7	2	8									
	14	9901	12		501	14	23	74	8	02	2	7	5	8	0	8									
	17	9902	09		501	15	14	80	7	01	2	3	5	8	1	8									
	20	9892	04		507	16	26	80	2	01	1	2	0	9	1										
	23	9874	04		506	16	22	80	3	01	1	3	0	9	1					13	60	974		16	02
12	02	9862	03		508	16	22	80	1	01	1	1	0	9	1										
	05	9855	02		509	16	14	82	0	02	1														
	08	9846	03		509	18	14	82	1	03	1	1	0	9	1										
	11	9849	00		510	04	11	84	5	03	1	1	0	9	1	6									
	14	9850	05		507	11	16	84	6	03	1	0	0	9	0	6									
	17	9844	03		509	13	30	84	2	01	1	0	0	9	0	5									
	20	9853	501		511	13	31	84	2	02	1	0	0	9	0	5									
	23	9854	04		505	12	15	84	5	02	1	0	0	9	0	2				13	50	437		06	501
13	02	9855	08		502	13	26	84	5	02	1	0	0	9	0	2									
	05	9845	08		503	13	19	84	3	02	1	0	0	9	0	2									
	08	9853	06		504	15	37	84	3	02	1	0	0	9	0	2									
	11	9851	07		505	15	30	84	1	02	1	0	0	9	0	2									
	14	9858	10		501	15	24	84	1	02	1	0	0	9	0	2									
	17	9860	13		02	13	26	84	5	03	1	2	0	9	1	6									
	20	9876	13		02	16	17	84	4	02	1	2	0	9	1	2									
	23	9893	14		02	13	23	84	8	02	1	4	0	9	1	2				15	51	535		14	06
14	02	9908	11		501	16	23	84	4	02	1	4	0	9	1										
	05	9915	15		03	13	25	84	8	02	1	4	5	7	2										
	08	9910	18		06	13	22	84	8	02	2	8	5	7											
	11	9889	19		07	16	23	80	8	02	2	8	5	7											
	14	9871	19		07	11	22	80	8	02	2	8	5	7											
	17	9844	19		07	16	31	80	7	02	1	7	5	7											
	20	9815	15		04	16	28	80	2	02	1	2	5	7											
	23	9804	19		08	00	00	80	0	02	1									13	54	565		20	10
15	02	9777	15		02	13	36	80	0	02	0														
	05	9772	17		04	13	35	80	0	02	0														
	08	9772	22		09	13	35	80	4	03	1	4	5	7											
	11	9773	24		10	13	44	74	8	15	2	8	5	5											
	14	9785	23		09	13	40	80	7	02	2	4	5	5	5										
	17	9794	23		09	14	36	74	8	02	2	7	5	5	2										
	20	9801	21		09	13	39	74	8	01	2	2	5	6	1	2									
	23	9807	22		10	13	40	66	8	70	7	7	5	5	2					13	75	601		24	13
16	02	9823	20		12	12	40	74	8	01	7	5	5	6	2										
	05	9835	20		11	12	31	74	8	02	2	4	5	6	2										
	08	9847	18		08	13	26	74	7	02	2	4	5	6	2										
	11	9851	17		06	13	20	74	6	15	2	4	5	7	1	3									
	14	9850	18		06	13	21	80	8	01	2	3	5	7	2	5									
	17	9850	18		06	14	21	80	6	01	2	3	0	9	7	3									
	20	9851	18		06	14	23	80	2	01	2	2	0	9	3										
	23	9851	18		06	13	28	80	0	01	2									13	66	908		21	16
17	02	9846	16		05	13	19	80	0	02	0														
	05	9849	16		04	16	23	80	1	03	0	1	5	7											
	08	9829	16		04	14	28	80	0	02	0														
	11	9836	14		03	14	24	82	0	02	0														
	14	9830	14		03	15	21	84	0	02	0														
	17	9828	13		02	16	20	84	0	02	0														
	20	9830	12		00	16	25	84	0	02	0														
	23	9831	10		00	18	14	84	0	02	0									14	43	521		18	09
18	02	9846	13		00	16	04	84	0	02	0														
	05	9861	08		504	09	22	84	0	02	0														
	08	9874	05		506	14	17	84	0	02	0														
	11	9877	04		507	15	16	84	3	02	1	1	5	6	0	2									
	14	9886	04		507	14	16	84	5	02	1	1	5	6	2	2									
	17	9892	04		509	16	13	84	1	01	1	1	5	6											
	20	9899	502		513	15	19	84	0	02	1	0													
	23	9901	501		512	16	11	84	0	02	0									09	38	423		13	503

Results of Surface Observations,
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LOCAL STANDARD TIME			TEMPERATURES			SURFACE WIND							LOW CLOUD					DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST				EXTREME TEMPERATURES	
DAY	HOUR	STATION LEVEL PRESSURE	DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED	VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	AMOUNT	TYPE	BASE	MIDDLE CLOUD	HIGH CLOUD	LOW	MIDDLE	HIGH	DIRECTION	SPEED	ANEMOMETER WIND RUN	PRECIPITATION	MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°× 10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°× 10	kt	St.miles	Points	°F	°F
19	02	9899	503		514	16	25	84	0	02	0														
	05	9890	503		513	16	18	80	0	02	0														
	08	9872	505		515	15	20	84	0	02	0														
	11	9859	501		513	13	19	80	4	03	1	1	5	6	0	5									
	14	9851	502		514	13	27	80	2	01	1	0	0	9	0	8									
	17	9859	502		512	15	13	80	1	02	1	0	0	9	0	8									
	20	9867	01		508	19	04	80	8	03	2	0	0	9	0	7									
	23	9872	01		510	16	24	80	4	01	1	0	0	9	0	8				13	36	362		01	506
20	02	9874	501		512	16	25	80	6	02	1	2	0	9	3	8									
	05	9888	502		513	14	22	80	7	03	1	4	0	9	7	8									
	08	9905	501		513	14	17	82	3	01	1	3	0	9	7										
	11	9916	504		514	13	25	84	4	03	1	1	0	9	5	6									
	14	9926	501		511	16	11	84	7	03	1	3	0	9	5	6									
	17	9921	503		513	12	19	84	8	02	1	1	0	9	3	6									
	20	9899	501		502	12	21	66	8	71	2	8	0	9	2										
	23	9883	501		502	12	20	58	8	71	7	8	0	9	2					13	38	417		501	504
21	02	9858	502		505	12	29	32	8	38	7	8	0	9	2										
	05	9852	503		505	12	32	02	8	38	3	8	0	9	2										
	08	9854	503		504	13	31	01		38	3	9		0											
	11	9854	503		505	13	36	74	8	36	3	3	5	5	1										
	14	9860	502		505	13	27	74	6	02	3	3	0	9	2										
	17	9859	00		504	13	24	80	7	03	2	5	6	6	2	1									
	20	9853	02		502	13	24	80	5	02	2	2	5	6	1										
	23	9839	02		503	14	30	80	3	02	1	1	5	6	1					13	58	600		03	504
22	02	9829	05		02	14	31	80	6	03	1	6	0	9	1										
	05	9833	09		03	13	40	66	7	36	3	7	0	9	1										
	08	9841	10		06	13	36	66	7	36	3	7	0	9	1										
	11	9849	11		05	12	35	66	7	15	3	3	7	5	1	8									
	14	9856	14		04	13	39	48	7	36	3	3	0	9	4	6									
	17	9875	10		01	13	37	32	7	36	3	3	6	4	2										
	20	9885	12		01	13	30	58	8	36	3	3	5	6	1										
	23	9926	09		00	13	33	58	8	02	3	2	5	6	1					13	60	756		14	02
23	02	9919	10		501	13	35	74	5	01	1	5	0	9	1										
	05	9930	13		02	12	31	74	8	03	2	4	5	6	2										
	08	9940	13		02	13	31	80	8	02	2	5	5	7	2										
	11	9959	11		00	14	19	82	6	01	1	5	5	7	2										
	14	9973	07		504	14	17	82	3	01	1	1	5	7	7										
	17	9986	03		508	13	23	82	2	01	1	1	5	7	3										
	20	9999	04		508	13	18	82	1	01	1	1	5	7											
	23	10012	01		510	13	22	82	0	01	1									13	45	787		14	01
24	02	10014	05		506	13	22	82	0	02	0														
	05	10018	02		509	15	26	82	0	02	0														
	08	10016	08		505	15	19	82	0	02	0														
	11	10017	05		507	16	27	82	6	03	1	1	5	6	7										
	14	10003	11		503	13	22	80	6	02	2	4	5	7	3										
	17	10000	06		507	16	21	80	3	01	1	2	5	7	3										
	20	9983	04		509	16	28	80	1	01	1	1	0	9	3										
	23	9964	05		508	16	34	82	0	01	1									13	50	463		11	02
25	02	9954	05		508	16	29	82	0	02	0														
	05	9933	11		504	14	22	82	0	02	0														
	08	9930	13		01	14	11	82	4	03	1	4	0	9	3										
	11	9913	17		504	13	25	80	8	02	1	7	5	7	2										
	14	9912	15		504	13	25	80	8	02	2	2	5	7	2										
	17	9905	15		503	13	26	80	8	02	2	0	0	9	2	1									
	20	9908	16		501	12	25	80	8	02	2	0	0	9	0	7									
	23	9921	15		501	12	22	80	8	02	2	0	0	9	0	7				14	45	673		17	05
26	02	9923	16		501	12	17	80	8	02	2	0	0	9	0	7									
	05	9921	15		501	13	20	80	8	02	2	0	0	9	0	7									
	08	9930	13		502	12	17	80	8	02	2	0	0	9	0	7									
	11	9940	12		502	12	17	82	8	02	2	8	0	9	2										
	14	9944	12		502	11	17	80	8	02	2	6	0	9	2	8									
	17	9959	10		502	16	07	80	8	02	2	6	0	9	2	8									
	20	9968	10		502	11	11	80	8	02	2	8	0	9	2										
	23	9983	11		502	11	18	80	8	02	2	8	0	9	2					13	41	553		17	09
27	02	10008	07		04	16	10	80	8	02	2	8	0	9	2										
	05	10015	07		501	13	15	80	8	02	2	3	0	9	2	8									
	08	10023	09		501	07	15	80	8	02	2	8	0	9	2										
	11	10038	09		502	09	10	74	8	02	2	8	0	9	2										
	14	10052	08		502	09	04	74	8	02	2	8	0	9	2										
	17	10052	07		504	09	17	80	8	02	2	8	6	6											
	20	10054	07		504	10	11	80	8	02	2	8	6	6											
	23	10043	07		504	10	14	80	8	02	2	8	5	7						09	26	298		09	07

Results of Surface Observations,
MAWSON – May, 1961

LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
28	02	10036	08		504	09	14	80	8	02	2	8	5	7											
	05	10027	08		504	12	17	80	8	02	2	8	5	7											
	08	10016	07		505	11	36	80	8	02	2	2	5	6	2										
	11	10009	07		501	13	31	16	8	36	2	8	0	7	2										
	14	10003	08		504	13	35	66	8	15	3	8		7	2										
	17	10001	08		503	12	36	66	8	15	2	8		7											
	20	10000	07		03	13	37	66	8	36	3	8		7											
	23	9996	08		08	13	36	66	8	36	3	8	6	5						13	55	397		08	06
29	02	9995	09		02	13	35	66	8	36	3	8	6	5											
	05	9991	10		02	13	33	66	8	36	3	8	6	5											
	08	9990	10		03	13	30	74	8	02	3	7	6	5	2										
	11	9998	09		02	13	34	58	8	36	3	7	6	5	2										
	14	10001	09		02	13	32	61	8	36	7	3	5	5	7	8									
	17	10007	11		04	13	25	66	8	70	3	6	5	5	2										
	20	10004	09		04	13	27	66	8	71	7	6	5	5	2										
	23	9982	11		05	12	31	66	7	01	7	7	5	5						12	55	552		11	08
30	02	9961	10		04	12	30	66	8	02	2	8	5	5											
	05	9934	10		03	12	36	66		02	2	8	5	5											
	08	9913	09		06	12	39	32		71	7	8	5	5											
	11	9891	09		08	12	45	00		73	7	8	5	5											
	14	9871	10		09	12	45	00		39	3														
	17	9866	10		09	12	48	00		39	3														
	20	9868	09		08	12	48	00		39	3														
	23	9893	09		08	12	45	00		39	3									12	61	1047		10	09
31	02	9908	09		08	13	45	00		39	3														
	05	9925	09		08	13	38	09	8	38	3	8	5	5											
	08	9928	09		08	12	28	32	8	38	3	8	5	6											
	11	9933	11		10	12	30	64	8	36	3	8	5	5											
	14	9941	12		04	12	21	66	8	02	2	8	5	6											
	17	9952	11		03	12	18	66	8	02	2	8	5	5											
	20	9959	12		03	12	17	66	8	02	2	8	5	5											
	23	9966	10		01	13	19	66	8	02	2	6	5	5	7					12	45	1026		12	09

Results of Surface Observations,
MAWSON — Jun., 1961

LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
01	02	9978	07		502	14	15	74	7	01	2	5	5	5	3										
	05	9990	03		506	14	17	82	5	01	1	3	5	7	3										
	08	9994	02		507	16	17	82	5	01	1	2	5	7	3										
	11	9999	01		508	13	20	82	4	02	1	3	5	8	1										
	14	9999	00		509	16	16	80	7	02	2	3	0	9	1	6									
	17	9995	501		513	15	19	80	7	02	2	2	5	6	1	7									
	20	9976	03		511	13	17	80	8	02	2	0	0	9	0	7									
	23	9970	501		514	13	25	80	6	01	2	0	0	9	0	8				13	35	460		09	501
02	02	9954	501		516	13	25	80	1	01	0	0	0	9	0	8									
	05	9936	500		514	13	21	80	7	02	1	7	0	9	3										
	08	9919	03		510	13	15	80	4	01	1	4	0	9	3										
	11	9910	502		515	12	20	80	3	01	1	2	0	9	3	5									
	14	9904	502		515	13	15	82	4	02	1	1	5	7	3										
	17	9904	503		518	14	18	82	2	01	1	2	5	7											
	20	9896	504		518	15	23	82	1	02	1	1	0	9	1										
	23	9895	506		519	15	23	82	0	02	0									13	36	468		01	508
03	02	9900	506		520	25	06	82	0	02	0														
	05	9882	509		523	15	17	84	1	02	1	0	0	9	0	8									
	08	9867	507		521	16	10	84	1	02	1	0	0	9	0	8									
	11	9852	510		523	16	20	84	4	03	1	0	0	9	0	5									
	14	9832	511		523	16	23	84	4	02	1	0	0	9	0	6									
	17	9819	511		524	16	23	84	2	02	1	0	0	9	0	5									
	20	9811	510		523	16	20	84	0	02	1														
	23	9798	511		524	15	19	84	0	02	0									14	33	341		504	511
04	02	9800	511		524	14	21	84	0	02	0														
	05	9797	510		523	00	00	84	0	02	0														
	08	9805	509		522	00	00	84	0	02	0														
	11	9814	508		523	13	17	84	0	02	0														
	14	9840	510		524	27	03	84	0	02	0														
	17	9862	512		526	12	06	84	0	02	0														
	20	9888	515		528	15	20	84	0	02	0														
	23	9917	515		528	15	19	84	0	02	0									13	31	364		507	515
05	02	9950	514		527	15	20	84	0	02	0														
	05	9977	511		524	20	05	84	0	02	0														
	08	10020	512		526	18	07	84	0	02	0														
	11	10046	513		525	14	06	84	0	02	0														
	14	10076	512		524	15	02	84	1	02	0	0	0	9	0	8									
	17	10112	510		521	17	03	84	1	02	1	0	0	9	0	8									
	20	10150	511		522	00	00	84	0	02	0														
	23	10171	509		521	09	03	84	0	02	0									13	37	283		503	515
06	02	10172	509		520	00	00	84	0	02	0														
	05	10187	508		519	22	02	84	1	03	0	1	0	9	3										
	08	10174	501		515	16	13	84	0	02	0														
	11	10167	04		511	16	15	84	4	03	1	0	0	9	0	5									
	14	10163	06		509	13	17	84	8	02	1	8	0	9	7										
	17	10162	03		510	00	00	84	8	02	2	3	5	6	2										
	20	10158	05		508	21	05	84	8	02	2	2	5	6	1										
	23	10150	05		506	00	00	84	8	02	2	8	0	9	1					13	28	112		08	509
07	02	10152	07		506	23	01	84	6	01	2	6	0	9	1										
	05	10130	15		503	13	21	84	4	01	2	4	0	9	1										
	08	10119	20		501	13	25	84	6	02	2	2	0	9	1	8									
	11	10117	19		03	13	28	84	7	02	2	3	0	9	7	8									
	14	10113	20		04	13	27	84	8	02	2	1	5	7	7										
	17	10100	21		04	12	30	82	8	02	2	4	5	7	1										
	20	10104	25		07	11	30	82	8	02	2	8	5	7											
	23	10098	27		07	12	35	82	8	02	2	8	5	7						13	49	343		27	05
08	02	10096	26		08	12	35	82	6	01	1	4	5	7	2										
	05	10089	24		08	12	34	82	3	01	1	1	5	7	2										
	08	10083	23		05	11	27	84	2	02	1	2	0	9	1										
	11	10065	26		07	13	27	84	4	02	1	1	0	9	1	8									
	14	10046	27		06	13	26	84	2	02	1	2	0	9	1										
	17	10021	26		05	16	43	84	1	02	1	1	0	9	1										
	20	10018	27		05	13	16	84	1	02	0	1	0	9	1										
	23	10018	28		08	13	32	84	8	02	1	4	5	7	1					13	67	754		30	22
09	02	10026	23		01	13	39	84	8	02	2	8	5	7											
	05	10036	23		06	13	30	84	8	02	2	8	5	7											
	08	10047	24		08	13	49	84	8	02	2	8	5	7											
	11	10058	24		08	13	45	84	7	02	2	4	5	7											
	14	10060	24		08	13	32	80	4	01	2	4	0	9	7										
	17	10059	16		01	15	31	80	4	02	2	4	0	9	7	2									
	20	10045	17		01	15	20	80	8	02	2	8	0	9	2										
	23	10041	13		503	13	25	82	0	02	1									13	74	847		25	13

Results of Surface Observations,
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LOCAL STANDARD TIME			TEMPERATURES			SURFACE WIND												DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST				EXTREME TEMPERATURES	
DAY	HOUR	STATION LEVEL PRESSURE	DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED	VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD AMOUNT	LOW CLOUD TYPE	LOW CLOUD BASE	MIDDLE CLOUD	HIGH CLOUD	LOW	MIDDLE	HIGH	DIRECTION	SPEED	ANEMOMETER WIND RUN	PRECIPITATION	MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	° × 10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	° × 10	kt	St.miles	Points	°F	°F
10	02	10054	13		506	13	44	82	0	02	0														
	05	10050	11		504	13	40	82	0	02	0														
	08	10049	11		504	12	37	82	3	02	1	3	0	9	7										
	11	10050	10		00	12	26	66	8	02	7	4	5	7	2										
	14	10053	11		04	12	27	61	8	71	7	8	6	5											
	17	10054	11		04	13	21	58	8	71	7	8	6	5											
	20	10040	11		01	13	26	58	8	71	7	8	6	5											
	23	10027	10		503	15	20	74	0	01	7									13	60	802		15	08
11	02	10011	07		505	15	20	80	0	02	0														
	05	9988	06		507	14	17	80	0	02	0														
	08	9962	04		509	15	20	80	0	02	0														
	11	9944	06		509	25	12	80	0	02	0														
	14	9940	05		511	27	05	84	0	02	0														
	17	9936	07		509	16	09	84	0	02	0														
	20	9941	05		510	29	10	84	0	02	0														
	23	9943	02		511	13	16	84	0	02	0									13	35	538		08	02
12	02	9935	03		511	13	17	84	0	02	0														
	05	9926	04		515	12	09	84	0	02	0														
	08	9901	08		508	13	31	84	0	02	0														
	11	9897	06		509	12	29	80	3	02	1	3	0	9	0	8									
	14	9900	05		512	13	41	80	2	02	1	3	0	9	0	8									
	17	9897	01		506	13	34	16	3	36	1	3	0	9	1										
	20	9904	02		512	13	31	74	3	02	3	3	0	9	1										
	23	9894	03		514	12	42	80	3	02	1	3	0	9	1					13	60	652		09	01
13	02	9929	05		512	12	36	80	5	03	1	5	0	9	2										
	05	9923	05		511	13	42	80	8	02	1														
	08	9917	06		507	12	51	56	8	36	2														
	11	9906	05		04	12	51	02	8	38	3														
	14	9889	05		04	12	54	00		39	3														
	17	9884	05		05	12	65	00		39	3														
	20	9862	06		05	13	67	00		39	3														
	23	9845	08		07	13	60	00		39	3									13	83	918		08	04
14	02	9827	08		07	13	50	00		39	3														
	05	9819	11		10	13	50	00		39	3														
	08	9814	09		09	15	45	00		38	3														
	11	9799	15		14	15	44	03	8	38	3	8	5	7											
	14	9817	11		10	12	30	00	8	71	7	8	5	5											
	17	9806	11		10	13	32	00		38	7														
	20	9794	13		12	13	39	60	8	36	3	8	5	5											
	23	9781	13		11	13	42	48	8	38	3	8	5	5						13	74	1243		15	07
15	02	9802	11		09	13	38	48	8	38	3	8	5	5											
	05	9802	11		07	12	29	48	8	38	3	8	5	5											
	08	9794	11		09	12	31	00	8	38	3	8	5	5											
	11	9779	12		11	13	44	00		39	3														
	14	9776	14		13	12	48	00		39	3														
	17	9774	15		14	13	49	02		38	3														
	20	9770	17		02	13	31	74	8	02	3	8	5	6											
	23	9761	18		05	16	29	80	3	02	1	3	5	6						13	68	1033		17	11
16	02	9742	16		04	20	08	80	4	02	1	4	5	6											
	05	9726	12		00	15	18	80	3	02	1	3	5	6											
	08	9712	09		503	15	17	80	3	02	1	3	5	6											
	11	9723	07		506	16	26	80	3	02	1	1	5	6	0										
	14	9739	05		508	15	21	80	6	02	1	1	0	9	1	8									
	17	9758	05		508	13	21	80	1	01	0	1	5	7											
	20	9775	02		510	13	31	80	1	02	0	1	5	7											
	23	9788	05		507	13	30	80	1	02	0									16	45	747		17	02
17	02	9800	08		503	13	26	56	8	70	1	8	5	7											
	05	9809	08		505	13	25	80	8	02	7	8	5	7											
	08	9819	07		505	13	23	82	6	02	2	6	5	7											
	11	9836	08		505	13	19	66	8	15	2	8	5	7											
	14	9843	08		504	12	16	66	8	15	2	8	0	8	2										
	17	9849	07		505	13	19	74	3	01	2	3	0	8	2										
	20	9846	07		505	12	18	74	8	03	2	0	0	9	0										
	23	9843	07		504	13	16	80	6	01	2	6	0	9	1	6				13	38	629		09	05
18	02	9839	06		506	13	21	80	6	02	2	6	0	9	1										
	05	9840	05		508	13	21	80	3	01	2	3	0	9	1										
	08	9835	03		510	13	25	80	3	02	2	3	0	9	1										
	11	9841	04		506	13	24	66	8	15	2	8	0	9	2										
	14	9838	04		508	13	27	74	7	15	2	6	5	6	2										
	17	9842	05		508	13	17	82	5	02	2	3	5	7	2										
	20	9841	05		507	13	14	82	8	02	2	2	5	7	2										
	23	9844	03		507	12	22	80	8	02	2	8	0	9	2					13	40	509		07	02

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LOCAL STANDARD TIME			TEMPERATURES			SURFACE WIND							LOW CLOUD					DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST				EXTREME TEMPERATURES	
DAY	HOUR	STATION LEVEL PRESSURE	DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED	VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER		AMOUNT	TYPE	BASE	MIDDLE CLOUD	HIGH CLOUD	LOW	MIDDLE	HIGH	DIRECTION	SPEED	ANEMOMETER WIND RUN	PRECIPITATION	MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	W		Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
19	02	9850	03		507	13	29	80	8	02	3	8	0	9	2											
	05	9846	02		505	13	29	80	6	02	2	6	0	9	2											
	08	9848	04		504	12	22	80	2	01	1	2	0	9	2											
	11	9850	05		503	12	17	58	8	71	2	8	6	6												
	14	9855	05		503	11	13	32	8	71	7	8	6	5												
	17	9856	05		504	12	20	58	8	70	7	8	6	5												
	20	9853	04		505	13	24	16	8	73	7	8	6	5												
	23	9849	02		506	13	27	48	8	36	7	8	6	5							13	52	593		05	01
20	02	9844	02		506	13	27	74	8	02	3	8	5	6												
	05	9840	02		504	13	32	16	8	38	3	8	5	6												
	08	9817	04		504	13	45	60	8	02	3	8	5	6												
	11	9802	06		502	13	52	16	8	38	3	8	6	5												
	14	9803	06		01	13	51	00		39	3															
	17	9790	07		04	13	59	00		39	3															
	20	9790	07		04	13	67	00		39	3															
	23	9802	07		06	12	62	00		39	3										13	89	662		07	00
21	02	9843	08		07	12	56	00		39	3															
	05	9873	09		08	12	51	00		39	3															
	08	9890	11		10	12	45	00		39	3															
	11	9905	12		11	12	38	00		39	3															
	14	9914	15		04	13	23	58	8	15	3	8	5	5												
	17	9912	13		02	14	19	66	7	01	2	6	5	5	2											
	20	9890	12		501	13	25	80	3	01	1	3	0	9	1											
	23	9878	12		503	13	34	80	1	01	1	1	0	9	1						13	52	1458		15	07
22	02	9869	16		503	16	17	80	0	02	0															
	05	9840	09		503	00	00	82	0	02	0															
	08	9818	11		505	23	01	84	2	03	1	2	0	9	1											
	11	9800	08		507	18	16	84	4	03	1	4	0	9	1											
	14	9790	07		508	16	08	84	4	02	2	4	0	9	2											
	17	9785	05		509	15	11	84	2	02	1	2	0	9	2											
	20	9779	02		510	12	16	84	0	02	1															
	23	9780	501		513	12	21	84	0	02	0										13	47	492		16	501
23	02	9784	501		513	12	17	84	0	02	0															
	05	9777	02		511	00	00	84	0	02	0															
	08	9777	501		514	13	19	84	2	03	1	2	5	6												
	11	9797	505		518	15	30	82	1	01	1	1	5	6												
	14	9805	508		520	15	29	82	1	02	0	0	0	9	0	0	5									
	17	9833	509		520	15	24	84	1	02	0	0	0	9	0	5										
	20	9855	507		519	13	20	84	8	02	1	8	5	7												
	23	9883	504		517	12	25	84	8	01	3	3	5	7	0	7					13	44	367		02	509
24	02	9891	502		515	12	31	84	8	02	2	0	0	9	0	7										
	05	9901	01		511	13	35	32	8	38	2	0	0	9	0	7										
	08	9933	01		510	12	36	58	8	36	3	0	0	9	0	7										
	11	9971	01		511	13	32	65	7	36	3	3	0	9	2	8										
	14	9999	03		508	12	22	74	8	02	3	2	5	7	1											
	17	10005	01		510	12	25	74	6	01	2	3	5	7	7											
	20	10027	502		514	12	21	74	6	01	2	1	5	7	0	8										
	23	10031	503		515	12	22	80	1	03	1	0	0	9	0	8					13	53	666		03	503
25	02	10026	501		514	11	17	80	2	02	1	0	0	9	0	8										
	05	10007	501		512	27	06	84	2	02	0	0	0	9	0	5										
	08	9979	03		510	15	32	84	2	02	0	0	0	9	0	5										
	11	9967	04		508	15	36	80	4	09	1	0	0	9	0	5										
	14	9950	05		507	15	39	74	4	09	1	1	0	9	1	5										
	17	9935	02		511	15	45	74	4	01	1	0	0	9	0	5										
	20	9926	10		505	34	17	80	2	01	1	0	0	9	0	8										
	23	9911	10		503	22	04	80	4	03	1	4	0	9	1						13	60	538		14	503
26	02	9917	09		505	26	05	80	1	02	1	1	0	9	1											
	05	9909	08		506	21	05	82	0	02	1															
	08	9890	08		506	22	05	84	0	02	0															
	11	9879	07		506	00	00	84	3	03	1	0	0	9	0	5										
	14	9871	01		509	07	04	84	3	02	1	0	0	9	0	5										
	17	9860	06		509	14	07	84	1	02	1	0	0	9	0	5										
	20	9863	04		510	24	07	84	0	02	1															
	23	9859	500		511	15	05	84	0	02	0										22	54	521		15	500
27	02	9852	501		512	11	02	84	0	02	0															
	05	9866	500		513	17	11	84	1	02	0	0	0	9	0	8										
	08	9879	00		514	16	17	84	1	02	1	0	0	9	0	8										
	11	9895	502		517	15	22	84	2	02	1	2	0	9	1											
	14	9917	507		519	15	25	84	3	03	1	0	0	9	0	5										
	17	9930	509		521	16	24	84	2	01	1	0	0	9	0	5										
	20	9929	507		520	11	08	87	2	02	0	0	0	9	0	8										
	23	9944	506		520	17	13	84	0	02	0										15	43	230		02	509

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LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	° × 10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	° × 10	kt	St. miles	Points	°F	°F
28	02	9953	507		521	16	06	84	0	02	22														
	05	9968	506		520	15	20	84	0	02	22														
	08	9984	504		518	21	16	84	0	02	22														
	11	9997	504		517	22	14	84	3	02	1	3	0	9	7										
	14	9997	501		516	18	05	84	8	02	2	8	0	9	2										
	17	10003	501		514	15	11	84	8	02	2	8	6	6											
	20	10003	501		511	09	15	82	8	02	2	8	6	6											
	23	10009	501		514	11	25	82	8	02	2	4	6	6	1					13	45	413		01	507
29	02	9989	00		513	11	19	82	8	02	2	8	6	6											
	05	9944	01		509	09	23	48	8	70	2	8	6	5											
	08	9897	03		02	09	27	00		75	7														
	11	9839	03		02	11	54	00		39	3														
	14	9829	02		02	12	51	00		39	3														
	17	9829	03		02	12	49	00		39	3														
	20	9833	03		02	13	45	00		39	3														
	23	9831	03		02			00		39	3									12	79	538		03	501
30	02	9809	04		03			00		39	3														
	05	9813	05		04	11	42	00		38	3														
	08	9800	05		04	12	41	00		38	3														
	11	9794	07		06	12	35	00		38	3														
	14	9779	07		06	12	44	00		39	3														
	17	9761	07		06	12	50	00		39	3														
	20	9755	08		07	12	52	00		39	3														
	23	9768	11		10	12	50	00		39	3									12	75	1145		11	03

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LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
01	02	9771	13		12	12	50	00		38	3														
	05	9771	12		11	12	51	00		38	3														
	08	9796	12		11	12	36	16		36	3														
	11	9798	15		04	13	32	74	7	02	3	6	5	6	3										
	14	9802	16		04	13	32	74	8	02	2	8	5	7											
	17	9811	17		03	14	25	74	8	02	2	8	5	7											
	20	9820	15		02	15	22	80	8	02	2	8	5	7	2										
	23	9825	14		00	14	20	82	6	02	2	2	5	7						13	72	1141		17	12
02	02	9824	16		03	11	26	84	2	01	1	2	0	9	1										
	05	9829	08		505	15	20	84	0	02	1														
	08	9825	08		505	15	19	84	0	02	2														
	11	9828	06		506	12	18	80	0	02	2														
	14	9822	07		506	16	27	80	0	02	2														
	17	9831	07		506	14	27	80	0	02	2														
	20	9820	07		506	16	30	80	1	03	2	1	0	9	1										
	23	9823	05		508	16	32	84	0	02	2									14	47	598		12	03
03	02	9812	06		506	16	32	84	0	02	2														
	05	9818	06		506	16	33	84	0	02	2														
	08	9816	09		502	16	33	84	1	03	2	1	5	7											
	11	9819	12		00	15	28	84	0	09	2														
	14	9817	19		04	13	30	80	7	09	1	7	5	7											
	17	9836	21		09	13	26	80	8	03	2	8	5	6											
	20	9856	19		07	13	31	80	8	02	2	8	5	6											
	23	9861	21		06	13	36	80	3	01	1	3	5	6						13	58	648		22	05
04	02	9884	22		07	15	30	80	8	03	1	8	5	7											
	05	9903	19		05	14	30	80	8	02	2	8	5	7											
	08	9915	18		04	14	31	80	8	02	2	3	5	7	3										
	11	9926	16		02	16	25	80	8	02	2	8	5	7											
	14	9919	18		03	13	26	82	8	02	2	7	5	7	2										
	17	9925	13		501	13	30	82	8	02	2	8	5	7											
	20	9924	12		01	13	25	82	8	02	2	8	5	7						16	51	728		23	12
	23	9901	13		00	12	31	82	8	02	2	8	5	7											
05	02	9897	13		01	12	29	82	8	02	2	8	5	7											
	05	9883	16		04	13	30	80	8	02	2	8	5	7											
	08	9868	15		03	13	38	80	8	02	2	8	5	6											
	11	9864	16		05	13	37	80	8	02	2	8	6	6											
	14	9844	16		04	13	39	74	8	15	2	8	0	9	7										
	17	9831	15		08	13	38	16	8	73	7	5	6	5	1										
	20	9827	15		10	12	33	03	7	38	7	7	0	9	1										
	23	9820	17		10	12	35	56	3	38	3	3	0	9	2					13	57	738		19	13
06	02	9811	19		04	13	40	66	2	02	3	2	5	7											
	05	9814	19		04	12	36	74	7	02	1	4	5	7	7										
	08	9798	19		03	13	38	74	8	02	2	3	0	9	2	7									
	11	9793	20		03	14	31	74	8	09	2	1	5	7	2	7									
	14	9772	16		00	16	39	74	8	02	2	8	5	9	7										
	17	9747	21		04	13	29	74	5	01	2	5	5	8											
	20	9723	22		05	13	33	74	8	02	2	8	0	9	2										
	23	9704	25		07	13	29	80	8	02	2	8	0	9	2					13	60	917		25	15
07	02	9686	23		05	13	31	80	8	02	2	8	0	9	2										
	05	9681	24		06	13	31	82	8	02	2	8	0	8	2										
	08	9678	23		06	13	30	82	8	02	2	8	0	8	2										
	11	9683	23		07	13	32	84	8	02	2	1	5	7	2										
	14	9681	19		14	12	34	32	8	36	2	4	5	7	2										
	17	9709	19		15	11	41	02		38	3														
	20	9739	19		13	11	41	09		38	3														
	23	9782	19		13	11	27	66	4	01	3	4	0	9	2					13	53	764		24	18
08	02	9812	18		11	11	20	74	4	02	1	4	0	9	2										
	05	9833	16		09	11	25	80	6	02	1	6	0	9	1										
	08	9844	15		08	12	27	03	5	38	1	2	5	7	1										
	11	9851	12		04	12	27	74	6	36	3	3	5	7	1										
	14	9821	13		08	13	44	02	4	38	3	1	5	7	1	5									
	17	9809	17		10	13	47	03	3	38	3	3	5	7	1										
	20	9784	22		06	13	49	80	8	02	3	8	0	9	1										
	23	9770	22		05	13	51	80	4	01	2	4	0	9	1					13	75	833		23	11
09	02	9760	22		04	14	47	80	8	03	2	8	0	9	1										
	05	9749	22		04	13	49	80	8	02	2	8	0	9	1										
	08	9758	23		04	13	35	80	8	02	2	8	0	9	1										
	11	9757	18		01	13	27	80	8	02	2	6	0	9	7	8									
	14	9738	16		502	16	39	80	8	02	2	7	0	9	7	8									
	17	9733	15		503	16	31	82	4	01	2	1	0	9	2	8									
	20	9723	15		503	13	16	82	3	01	1	0	0	9	0	8									
	23	9712	11		506	12	28	82	1	01	1	0	0	9	0	8				13	74	1034		23	09

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LOCAL STANDARD TIME			TEMPERATURES			SURFACE WIND							LOW CLOUD					DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST				EXTREME TEMPERATURES	
DAY	HOUR	STATION LEVEL PRESSURE	DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED	VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	AMOUNT	TYPE	BASE	MIDDLE CLOUD	HIGH CLOUD	LOW	MIDDLE	HIGH	DIRECTION	SPEED	ANEMOMETER WIND RUN	PRECIPITATION	MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	° × 10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	° × 10	kt	St.miles	Points	°F	°F
10	02	9708	08		508	12	22	84	0	02	0														
	05	9709	07		509	13	25	84	0	02	0														
	08	9710	07		510	13	18	84	1	03	1	1		09	2										
	11	9714	07		510	13	27	80	7	03	2	1		09	7										
	14	9724	05		509	13	30	80	6	02	2	2		57	7	8									
	17	9731	09		504	11	20	80	7	03	2	7		57	7										
	20	9732	11		00	11	16	80	8	02	2	8		57	7										
	23	9726	12		04	11	28	32	4	71	1	2		57	1					13	40	640		14	05
11	02	9732	14		08	11	21	32	8	71	7	8		08	2										
	05	9738	15		11	11	30	08	8	73	7	8		08	2										
	08	9751	15		10	11	30	24	8	73	7	8		08	2										
	11	9762	17		02	13	36	58	8	09	7	2		57	7										
	14	9766	17		501	13	31	66	8	09	2	5		09	7	6									
	17	9766	16		501	13	31	56	8	15	2	5		56	7	8									
	20	9776	13		502	13	33	66	7	05	2	5		56	7										
	23	9781	14		00	13	29	74	8	02	2	8		56						13	45	651		17	12
12	02	9788	13		00	13	27	74	8	02	2	8		56											
	05	9789	12		504	13	29	80	5	01	2	3		57	7										
	08	9791	12		504	12	30	80	8	02	2	3		57	1										
	11	9794	11		504	13	29	80	8	15	2	8		07	7										
	14	9796	11		504	13	20	80	8	02	2	3		57	7										
	17	9797	09		505	13	21	82	1	01	1	1		09	5										
	20	9799	11		504	14	11	82	8	02	1	8		09	2										
	23	9800	09		505	13	19	82	0	01	1									13	42	779		14	08
13	02	9806	09		502	13	16	82	0	02	0														
	05	9812	10		502	13	11	82	8	02	2	0		09	0	7									
	08	9817	10		502	12	20	82	7	02	2	0		09	0	7									
	11	9831	08		505	12	18	82	8	02	2	6		57	1										
	14	9838	08		505	13	24	82	8	02	2	2		57	7										
	17	9844	09		501	13	25	61	8	71	2	8		64											
	20	9849	10		501	13	26	66	8	70	7	8		65											
	23	9848	12		501	13	29	74	8	02	7	4		65	2					13	40	538		12	07
14	02	9845	10		502	12	30	80	8	02	2	8		09	1										
	05	9840	11		501	12	32	82	8	02	2	8		09	1										
	08	9826	11		501	12	35	80	5	01	2	5		09	2										
	11	9818	10		502	12	31	66	8	15	2	7		07	2										
	14	9808	09		503	12	35	66	8	15	2	7		07	1										
	17	9792	08		504	12	36	66	8	02	2	8		08											
	20	9778	08		505	13	31	66	8	02	2	8		08	1										
	23	9769	12		501	13	31	74	6	01	2	6		08	1					13	49	700		11	07
15	02	9754	08		506	13	33	80	5	01	1	5		08	1										
	05	9739	08		505	13	35	80	8	02	1	8		65											
	08	9736	06		508	13	32	80	8	02	2	8		65											
	11	9745	06		509	13	29	74	7	02	2	6		55	2										
	14	9747	04		511	13	27	80	7	02	2	2		57	2	8									
	17	9752	04		511	13	22	80	3	01	1	1		57	2	8									
	20	9752	02		512	13	18	84	0	01	1														
	23	9763	02		512	14	13	84	0	02	0									13	51	852		08	00
16	02	9770	501		514	14	15	84	0	02	0														
	05	9783	00		514	13	14	82	0	02	0														
	08	9802	01		514	13	14	82	1	02	0	1		57											
	11	9823	501		514	14	17	82	2	03	0	1		57	0	5									
	14	9847	503		514	13	19	84	6	03	1	1		57	5	4									
	17	9865	503		514	13	17	84	5	02	2	3		57	5										
	20	9882	502		513	13	19	84	2	02	1	2		57											
	23	9897	502		514	14	21	84	3	02	1	3		57						13	33	512		01	504
17	02	9910	501		513	14	18	84	5	03	1	5		57											
	05	9922	501		512	13	21	84	2	02	1	2		57											
	08	9931	01		511	13	20	80	8	03	2	8		57											
	11	9942	01		512	13	20	80	8	02	2	8		57											
	14	9943	500		512	16	17	82	8	02	2	8		57											
	17	9938	501		514	16	17	82	7	01	2	7		56											
	20	9927	503		515	13	26	82	1	02	1	1		57											
	23	9911	503		515	13	32	82	0	02	1									13	45	423		02	503
18	02	9882	01		513	14	34	82	0	02	0														
	05	9860	01		513	14	25	84	2	03	1	2		09	2										
	08	9828	503		513	16	31	84	2	02	1	2		09	2										
	11	9800	02		510	13	31	66	2	09	1	1		09	7	8									
	14	9770	05		508	13	24	74	7	09	1	7		57											
	17	9749	06		506	15	24	74	7	09	2	7		57											
	20	9736	07		506	16	20	74	8	02	2	8		57											
	23	9743	08		503	13	17	80	8	02	2	3		57	0	8				14	48	722		09	503

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LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		$mb \times 10^{-1}$	°F	°F	°F	°×10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
19	02	9761	07		502	16	08	80	4	01	1	2	5	7	1										
	05	9782	06		507	13	15	84	0	02	1														
	08	9809	04		508	16	12	84	0	02	0														
	11	9824	03		509	13	25	84	2	03	1	1	0	9	2	5									
	14	9839	02		509	13	20	74	7	05	1	6	0	9	7	8									
	17	9846	06		505	13	19	74	8	05	2	6	0	9	7	8									
	20	9843	08		502	12	22	74	8	05	2	5	5	5	7										
	23	9862	09		501	13	16	74	8	02	2	8	5	6						13	36	520		09	02
20	02	9868	11		00	13	19	74	8	02	2	8	5	6											
	05	9886	14		02	13	27	74	8	02	2	8	5	6											
	08	9931	15		03	13	16	74	8	02	2	6	5	7	1										
	11	9982	14		02	16	09	80	8	02	2	8	5	7											
	14	10027	11		00	16	08	84	3	01	1	1	5	7	0	5									
	17	10045	07		504	15	18	84	2	02	1	2	0	9	7										
	20	10065	05		507	15	17	84	3	02	1	0	0	9	0	8									
	23	10082	06		507	15	05	84	8	03	2	0	0	9	0	6				13	38	587		16	04
21	02	10089	04		508	00	00	84	8	02	2	0	0	9	0	7									
	05	10088	05		507	00	00	84	8	02	0	0	0	9	0	7									
	08	10073	06		505	00	00	84	8	02	2	3	0	9	1	7									
	11	10053	08		505	00	00	84	8	03	2	7	5	7	1										
	14	10030	07		504	19	03	84	8	02	2	5	5	7	2										
	17	9996	07		503	00	00	84	8	02	2	5	5	7	2										
	20	9974	08		503	10	17	84	8	02	2	2	5	7	1										
	23	9958	05		503	05	13	84	8	02	2	8	0	7	1					12	35	191		09	04
22	02	9941	05		507	09	08	84	8	02	2	8	0	7	1	2									
	05	9919	05		503	22	04	84	8	02	2	8	0	8	2	2									
	08	9915	06		503	00	00	84	8	02	2	8	0	8	2	2									
	11	9918	06		00	00	00	82	8	02	2	8	0	8	2	2									
	14	9916	07		02	00	00	80	8	02	2	8	0	9	2	2									
	17	9915	08		02	00	00	80	8	02	2	8	0	8	2	2									
	20	9903	07		03	00	00	74	8	70	7	8	0	8	2	2									
	23	9887	08		07	00	00	48	8	71	7	8	0	8	2					10	21	193		08	04
23	02	9869	07		05	00	00	64	8	71	7	8	0	8	2	2									
	05	9846	05		04	00	00	58	8	70	7	8	0	5	2	2									
	08	9824	05		04	00	00	58	8	70	7	8	0	5	2	2									
	11	9808	04		04	00	00	48	8	02	7	8	0	5	5	2									
	14	9785	03		503	13	23	58	8	36	2	8	5	5	5										
	17	9781	03		502	12	20	58	8	36	3	8	5	5	5										
	20	9768	02		505	13	26	48	8	36	3	8	5	5	5										
	23	9773	501		510	12	25	48	7	36	3	7	5	5						13	39	058		08	502
24	02	9790	501		513	13	21	66	3	01	3	3	0	9	1										
	05	9809	503		515	12	05	82	2	02	1	0	0	9	0	5									
	08	9817	506		517	16	08	82	3	03	1	3	0	9	1										
	11	9834	504		515	21	04	80	8	03	1	1	5	6	2										
	14	9846	505		514	00	00	82	7	02	2	1	5	6	7	5									
	17	9852	508		517	10	02	82	5	02	2	1	5	6	5										
	20	9847	506		513	13	02	66	8	70	2	8	6	5	5										
	23	9834	504		508	00	00	66	8	70	7	8	6	5						13	33	406		501	509
25	02	9826	505		511	11	11	80	8	02	7	8	6	6											
	05	9825	509		513	13	23	08	8	38	2	8	6	6											
	08	9820	510		514	13	22	48	8	38	3	3	6	6	1										
	11	9829	510		514	12	27	08	8	38	3	8	6	6											
	14	9840	511		515	12	25	08	8	38	3	8	5	7											
	17	9840	515		518	13	25	00		39	3														
	20	9837	516		520	14	29	16	8	38	3	2	5	7	1										
	23	9811	518		523	13	31	48	1	38	3	1	5	7						13	44	225		505	519
26	02	9795	520		525	13	36	48	1	38	3	1	5	7											
	05	9778	519		524	13	31	48	0	38	3														
	08	9766	520		525	13	32	48	1	38	3	1	0	9	1										
	11	9763	518		523	13	25	66	7	36	3	3	0	6	1										
	14	9752	519		525	13	20	74	2	36	3	2	0	9	1										
	17	9740	520		526	13	16	74	1	01	3	1	0	9	1										
	20	9721	521		527	13	08	80	0	02	0	0													
	23	9691	521		527	13	17	80	0	02	0	0								13	48	732		518	522
27	02	9674	524		530	15	17	80	0	02	0	0													
	05	9658	523		529	04	03	84	0	02	0	0													
	08	9638	522		529	15	08	84	0	02	0	0													
	11	9617	522		529	20	04	84	0	02	0	0													
	14	9600	521		527	00	00	84	0	02	0	0													
	17	9592	524		529	00	00	84	0	02	0	0													
	20	9588	524		529	00	00	84	0	02	0	0													
	23	9602	525		530	00	00	84	2	03	0	0	0	9	0	5				13	31	357		521	525

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LOCAL STANDARD TIME			TEMPERATURES			SURFACE WIND						LOW CLOUD					DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST				EXTREME TEMPERATURES	
DAY	HOUR	STATION LEVEL PRESSURE	DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED	VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	AMOUNT	TYPE	BASE	MIDDLE CLOUD	HIGH CLOUD	LOW	MIDDLE	HIGH	DIRECTION	SPEED	ANEMOMETER WIND RUN	PRECIPITATION	MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	° × 10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	° × 10	kt	St.miles	Points	°F	°F
28	02	9640	524		529	00	00	84	3	03	1	0	0	9	0	5									
	05	9688	520		532	11	11	84	7	03	1	0	0	9	0	7									
	08	9736	516		526	09	20	58	8	30	1	3	0	9	2	7									
	11	9770	519		524	12	21	74	1	50	3	0	0	9	0	5									
	14	9791	517		523	12	18	97	0	02	0	0													
	17	9799	515		523	12	18	97	0	02	0	0													
	20	9807	519		526	12	17	84	1	02	0	0	0	9	0	5									
	23	9813	518		524	18	01	84	2	02	0	0	0	9	0	8				09	32	126		515	524
29	02	9811	516		523	27	01	84	1	02	0	0	0	9	0	8									
	05	9813	516		523	22	03	84	1	02	0	0	0	9	0	8									
	08	9820	515		513	18	24	84	1	02	1	1	0	9	1										
	11	9834	509		517	18	07	84	0	01	0	0													
	14	9828	507		509	16	31	32	0	38	0	0													
	17	9832	506		511	15	20	66	1	02	3	1	0	9	1										
	20	9836	505		512	12	17	80	0	02	0	0													
	23	9823	505		512	12	32	84	1	02	1	0	0	9	0	8				16	46	334		503	518
30	02	9828	503		512	13	20	84	1	02	1	0	0	9	0	8									
	05	9822	507		515	14	19	84	1	02	1	0	0	9	0	8									
	08	9826	506		515	00	00	84	1	02	1	0	0	9	0	8									
	11	9823	509		517	15	06	84	2	02	1	1	0	9	2	8									
	14	9825	509		517	00	00	84	1	02	1	0	0	9	0	8									
	17	9829	511		519	15	18	84	1	02	1	0	0	9	0	5									
	20	9829	511		519	15	22	84	0	02	1	0													
	23	9826	507		517	15	23	84	0	02	0	0								13	38	444		503	512
31	02	9836	505		516	13	21	84	0	02	0	0													
	05	9844	509		517	16	17	84	0	02	0	0													
	08	9852	505		515	13	21	84	0	02	0	0													
	11	9863	506		516	14	24	84	1	03	0	0	0	9	0	5									
	14	9873	503		514	12	25	87	0	02	0	0													
	17	9881	506		517	14	23	87	1	03	0	0	0	9	0	5									
	20	9886	504		516	13	25	84	1	02	0	0	0	9	0	5									
	23	9877	503		515	12	30	84	1	02	0	0	0	9	0	8				13	49	394		502	509

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LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
01	02	9868	502		515	12	34	84	0	01	3	0													
	05	9856	503		511	12	36	66	8	03	2	8		0	8	1									
	08	9839	02		507	13	34	66	8	02	2	8		0	8	2									
	11	9829	03		505	13	29	66	8	02	2	8			7										
	14	9793	03		00	13	38	32	8	38	2	8			5										
	17	9774	08		04	13	36	32	8	38	3	8			5										
	20	9745	11		10	13	36	02	8	38	3	8			5										
	23	9693	16		15	13	50	00		38	3									13	72	689		16	504
02	02	9681	17		11	13	43	58	8	02	3	8		6	5										
	05	9683	13		06	14	43	16	8	38	3	8		6	5										
	08	9643	16		14	13	60	08	8	38	3	8		0	8	2									
	11	9679	18		10	13	61	32	8	38	3	8		0	9	2									
	14	9712	20		08	13	57	58	8	02	3	7		5	7	2									
	17	9734	20		08	14	47	63	8	02	2	5		5	7	2									
	20	9737	21		08	13	48	66	8	02	2	5		5	7	2									
	23	9742	18		06	15	38	66	8	02	2	8		5	7					13	89	1023		22	11
03	02	9757	18		05	15	31	66	8	02	2	8		5	7										
	05	9759	18		05	14	44	66	8	02	2	8		5	7										
	08	9756	18		06	13	42	66	8	02	2	8		5	7										
	11	9750	17		04	13	51	74	8	02	2	4		5	7	2									
	14	9775	16		05	13	44	74	8	15	2	8		0	8	2									
	17	9779	17		07	13	38	61	8	70	2	8		6	4										
	20	9788	15		03	13	44	66	8	02	7	8		0	7	2									
	23	9795	12		01	13	45	66	7	02	2	7		0	7	2				13	75	1073		18	12
04	02	9797	12		02	13	52	66	5	01	2	5		0	7	2									
	05	9806	09		08	13	40	02	3	83	9				8										
	08	9790	08		07	13	51	03	6	38	3	6		0	9	1									
	11	9802	08		07	13	49	02	6	38	3	6		0	9	0	6								
	14	9814	08		07	13	50	00		39	3														
	17	9809	08		07	13	52	00		39	3														
	20	9801	08		07	13	49	00		39	3														
	23	9785	08		07	13	45	00		39	3									12	67	1056		12	08
05	02	9776	07		07	13	48	00		39	3														
	05	9790	08		07	12	46	00		39	3														
	08	9793	10		09	13	48	00		38	3														
	11	9797	09		08	13	45	04	8	38	3	8		6	5										
	14	9809	10		09	13	40	09	8	38	3	8		6	5										
	17	9828	11		09	12	25	48	8	71	7	8		6	3										
	20	9830	11		10	12	21	66	8	71	7	8		6	4										
	23	9838	10		09	12	16	66	8	71	7	8		6	4					12	51	1218		11	08
06	02	9842	09		07	13	16	74	8	02	7	2		6	5	1									
	05	9844	08		05	12	19	74	8	02	2	8		0	9	1									
	08	9848	04			13	21	74	6	36	3	1		5	5	1	7								
	11	9860	03		507	12	22	82	7	36	3	4		5	6	3									
	14	9861	02		509	12	25	82	7	36	3	3		5	6	7									
	17	9864	01		509	12	23	80	7	36	3	1		5	6	7									
	20	9868	01		509	11	20	80	8	70	3	4		5	6	2									
	23	9864	501		514	11	16	80	8	02	3	3		5	6	1				12	37	643		10	501
07	02	9868	502		513	13	14	80	8	02	2	1		5	6	1									
	05	9862	506		517	14	13	80	2	01	1	2		0	9	1									
	08	9854	507		517	14	14	80	2	02	0	2		0	9	1									
	11	9846	508		519	14	14	82	2	02	0	1		1	5	1									
	14	9842	508		520	14	17	82	1	02	0	1		5	5										
	17	9841	510		521	14	11	82	1	02	0	1		5	5										
	20	9832	509		521	14	14	82	0	02	0	0													
	23	9816	507		519	13	19	84	0	02	0	0								14	28	434		501	510
08	02	9814	505		521	13	25	84	0	02	0	0													
	05	9809	506		519	12	22	84	0	02	0	0													
	08	9805	509		520	11	25	80	2	36	0	2		0	9	1									
	11	9799	507		521	09	17	80	8	02	1	1		5	5	0	7								
	14	9798	508		520	17	08	80	8	02	2	1		5	5	0	7								
	17	9794	508		522	18	04	84	3	01	2	0		0	9	0	8								
	20	9791	507		521	17	11	84	2	01	1	2		0	9	1									
	23	9783	509		522	17	07	84	3	02	1	0		0	9	0	8			12	38	425		505	510
09	02	9773	509		523	14	16	84	4	02	1	0		0	9	0	8								
	05	9768	510		523	13	03	84	1	02	1	0		0	9	0	8								
	08	9755	510		523	14	10	84	4	03	1	4		0	9	2									
	11	9749	511		523	00	00	84	6	02	1	3		0	9	1	8								
	14	9732	511		524	00	00	84	4	02	1	1		0	9	7	8								
	17	9724	513		525	21	05	84	7	03	2	5		0	9	7	8								
	20	9720	511		524	14	12	84	3	01	2	0		0	9	0	8								
	23	9726	511		523	12	13	84	8	03	1	0		0	9	0	7			12	24	256		509	513

Results of Surface Observations,
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LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°× 10	kt	VV	Oktas	ww	w	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°× 10	kt	St.miles	Points	°F	°F
10	02	9732	512		523	12	12	84	8	02	2	8	0	9	2									
	05	9743	511		522	12	12	84	8	03	2	8	5	7										
	08	9749	511		522	12	14	80	8	70	2	8	5	7										
	11	9751	511		520	12	18	58	8	71	7	6	6	5										
	14	9753	513		518	13	30	00	7	75	7	7	5	6										
	17	9763	513		514	13	32	00	7	38	7	7	5	6										
	20	9784	515		515	15	25	00	0	38	3	0												
	23	9800	515		517	13	23	02	0	38	3	0								13	43	206		511	516
11	02	9823	517		519	14	27	02	0	38	3	0												
	05	9847	517		519	14	22	12	1	38	3	1	5	6										
	08	9876	516		531	26	04	82	0	02	3	0												
	11	9883	516		528	09	02	82	0	02	0	0												
	14	9895	513		525	09	04	82	0	02	0	0												
	17	9892	513		524	04	02	82	1	03	0	1	0	9	1									
	20	9876	511		522	13	25	66	1	38	0	1	0	9	1									
	23	9871	510		521	12	22	74	3	36	3	0	0	9	0	8				12	39	549		510	517
12	02	9854	510		522	12	29	66	3	36	3	0	0	9	0	8									
	05	9809	510		518	12	36	16	0	38	3	0													
	08	9773	506		513	12	37	16		38	3														
	11	9750	504		511	12	39	00		38	3														
	14	9696	501		509	12	54	00		38	3														
	17	9685	02		507	13	50	16	8	38	3	8	6	4										
	20	9681	04		508	13	45	48	8	38	3	8	6	5										
	23	9670	05		509	13	45	48	8	38	3	8	6	5						12	76	485		05	512
13	02	9667	05		509	13	44	48	6	38	3	6	6	5											
	05	9680	01		511	15	52	56	8	38	3	8	6	5											
	08	9692	03		508	15	49	00	8	38	3	8	6	5											
	11	9705	05		507	15	48	32	8	38	3	6	6	5	2										
	14	9697	08		504	16	44	32	8	38	3	6	5	6	2										
	17	9732	08		504	16	34	48	8	38	3	7	6	4											
	20	9751	10		501	14	20	58	8	38	3	8	6	5											
	23	9761	13		503	13	29	58	8	02	3	8	6	5						14	68	1056		13	00
14	02	9788	13		502	13	29	58	6	01	2	6	6	5											
	05	9807	14		502	13	31	66	8	02	2	8	6	6											
	08	9830	13		502	13	34	66	8	02	2	6	6	6	7										
	11	9856	14		502	13	31	74	8	02	2	8	6	7											
	14	9873	14		502	13	22	74	8	02	2	6	6	6	7										
	17	9879	10		504	14	27	74	7	02	2	7	5	7											
	20	9879	03		510	15	27	74	1	01	1	1	5	7											
	23	9871	02		512	15	29	80	3	02	1	3	0	9	3					12	47	822		14	00
15	02	9857	01		512	15	14	80	2	02	1	2	0	9	3										
	05	9835	501		513	15	20	84	1	01	1	1	0	9	1										
	08	9816	01		512	13	14	84	0	02	0	0													
	11	9809	01		513	08	06	84	1	02	0	0	0	9	0	8									
	14	9796	01		513	15	30	87	1	02	0	0	0	9	0	8									
	17	9813	501		514	15	27	87	1	02	0	0	0	9	0	8									
	20	9823	00		514	16	27	87	0	02	0	0													
	23	9828	01		513	14	25	84	0	02	0	0								13	46	533		03	502
16	02	9832	503		516	13	28	84	0	02	0	0													
	05	9830	02		512	12	31	84	0	02	0	0													
	08	9826	01		512	12	32	84	5	03	1	3	5	6	7										
	11	9812	05		508	12	27	82	8	02	2	8	5	7											
	14	9805	07		505	13	28	80	8	02	2	8	6	6											
	17	9796	09		504	12	31	56	8	15	2	8	6	6											
	20	9784	06		506	15	22	66	8	02	2	8	6	6											
	23	9772	05		507	15	20	66	8	02	2	8	6	6						12	45	570		09	503
17	02	9761	05		508	14	18	80	2	01	1	2	6	6											
	05	9751	03		509	12	13	80	2	02	0	2	6	6											
	08	9742	00		513	13	12	82	1	02	0	1	5	6											
	11	9733	501		514	15	16	82	1	02	0	1	5	6											
	14	9730	501		514	15	24	82	1	02	0	1	5	6											
	17	9733	00		513	14	12	82	7	03	1	1	5	6	1										
	20	9733	502		515	13	19	82	5	01	2	1	5	6	1										
	23	9751	501		514	12	22	84	8	02	2	8	0	9	1					14	38	543		05	502
18	02	9753	502		514	13	24	84	6	02	2	6	0	9	1										
	05	9773	503		518	12	29	84	2	01	1	0	0	9	0	8									
	08	9788	505		518	13	31	82	7	03	2	6	5	7	1										
	11	9809	504		519	13	31	63	8	15	2	6	5	7	2										
	14	9827	504		519	14	20	74	8	01	2	2	5	7	2										
	17	9830	504		518	13	18	74	8	15	2	2	5	7	2										
	20	9845	506		519	14	18	80	8	01	2	2	0	7	0	7									
	23	9846	510		523	13	25	84	0	01	1	0								12	45	515		501	510

Results of Surface Observations,
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LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
19	02	9833	507		521	13	18	84	0	02	0	0													
	05	9845	511		524	15	17	84	0	02	0	0													
	08	9837	514		526	14	17	84	3	03	1	0	0	9	0	8									
	11	9831	510		523	13	16	84	1	01	1	0	0	9	0	8									
	14	9825	509		522	15	11	84	2	03	1	0	0	9	0	4									
	17	9824	512		525	14	19	84	1	01	1	0		9	7										
	20	9825	513		526	15	21	84	0	02	1	0													
	23	9831	513		526	14	25	84	0	02	0	0								13	36	486		507	515
20	02	9840	513		526	16	21	84	0	02	0	0													
	05	9843	507		521	13	25	84	0	02	0	0													
	08	9854	508		522	13	24	84	1	03	0	1	0	9	3										
	11	9864	505		520	13	21	84	1	02	0	1	0	9	3										
	14	9864	504		518	13	22	84	1	02	0	1	0	9	3										
	17	9869	504		519	13	16	84	1	02	0	1	0	9	1										
	20	9873	505		519	12	16	84	0	02	0	0								12	39	453		503	513
	23	9870	503		518	12	20	84	0	02	0	0													
21	02	9866	508		517	15	24	84	0	02	0	0													
	05	9865	504		518	13	17	84	0	02	0	0													
	08	9866	510		523	13	20	84	0	02	0	0													
	11	9871	507		520	13	20	84	0	02	0	0													
	14	9870	506		520	13	25	84	0	02	0	0													
	17	9872	508		521	15	21	84	1	03	1	1	0	9	2										
	20	9881	509		522	25	08	84	0	02	1	0								12	41	490		504	511
	23	9878	507		520	18	04	84	0	02	0	0													
22	02	9892	508		521	23	06	84	0	02	0	0													
	05	9897	506		520	13	23	84	0	02	0	0													
	08	9902	507		520	13	22	84	0	03	0	0													
	11	9910	507		520	13	20	84	2	02	1	2	0	9	4										
	14	9912	507		521	13	20	84	1	02	1	1	0	9	4										
	17	9914	506		520	12	19	84	1	02	1	1	0	9	0	8									
	20	9928	511		525	12	22	84	0	02	1	0								12	35	384		505	511
	23	9939	510		523	12	19	84	0	02	0	0													
23	02	9950	511		524	12	21	84	0	02	0	0													
	05	9961	512		526	12	22	84	0	02	0	0													
	08	9974	511		524	12	17	84	3	03	0	0	0	9	0	5									
	11	9985	510		524	13	19	84	6	03	1	1	5	6	0	6									
	14	9986	506		521	13	17	84	2	01	1	0	0	9	0	8									
	17	9988	508		522	12	24	84	2	02	1	1	0	9	7	8									
	20	9986	510		523	14	15	84	0	01	1	0													
	23	9980	511		525	14	22	84	0	02	0	0								12	36	495		506	513
24	02	9967	510		524	14	16	84	0	02	0	0													
	05	9955	510		524	14	21	84	0	02	0	0													
	08	9944	508		522	13	15	84	0	02	0	0													
	11	9946	504		519	13	16	84	0	02	0	0													
	14	9942	502		517	15	17	84	0	02	0	0													
	17	9946	503		518	13	11	84	1	03	0	0	0	9	0	1									
	20	9952	505		520	19	12	84	0	02	0	0													
	23	9949	503		519	18	17	84	5	03	1	0	0	9	0	5				15	43	478		501	511
25	02	9944	503		519	16	24	84	5	02	2	0	0	9	0	5									
	05	9944	506		521	16	26	84	1	01	1	0	0	9	0	8									
	08	9932	503		519	13	17	84	2	02	1	0	0	9	0	5									
	11	9926	501		517	12	27	84	2	02	0	0	0	9	0	5									
	14	9928	01		515	12	28	82	5	03	1	5	0	9	2										
	17	9916	00		515	12	32	82	8	03	2	2	0	9	2	7									
	20	9919	04		511	12	31	82	8	02	2	8	0	9	2										
	23	9901	04		511	12	35	80	8	02	2	8	0	9	2					12	48	425		05	508
26	02	9880	06		02	12	35	32	8	73	2	8	0	7	2										
	05	9841	07		06	12	40	02		39	7														
	08	9794	09		07	13	45	00		39	3														
	11	9751	11		07	12	60	00		39	3														
	14	9726	13		12	12	54	00		39	3														
	17	9701	13		12	12	61	00		39	3														
	20	9705	15		14	12	59	00		39	3	8	5	7						12	83	822		18	04
	23	9686	17			12	49	66	8	02	3														
27	02	9669	18			12	51	74	8	02	2	0	0	9	0	7									
	05	9650	19			12	46	66	8	02	2	8	0	9	0	7									
	08	9633	21			13	38	48	8	09	2	8	0	0	2										
	11	9618	21		06	13	37	58	8	09	2	5	0	9	2	7									
	14	9597	22		06	14	31	80	7	15	2	3	5	7	2	6									
	17	9607	17		02	15	36	74	8	15	2	2	5	7	2										
	20	9607	20		04	14	32	74	8	15	2	6	0	9	2	7				14	68	1262		22	16
	23	9608	16		00	14	31	74	8	02	2	8	0	9	2										

Results of Surface Observations,
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LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		iiib × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
28	02	9609	18		02	14	36	74	7	02	2	7	0	9	2										
	05	9617	17		01	13	38	74	8	15	2	8	0	9	2										
	08	9621	16		03	12	34	74	8	15	2	8	0	7	7										
	11	9628	16		05	12	30	74	5	02	2	5	5	7											
	14	9631	17		09	12	30	74	6	15	2	4	5	7	7										
	17	9652	16		04	12	18	74	7	15	2	2	5	7	7	1									
	20	9675	13		04	12	23	80	3	01	1	3	0	9	2										
	23	9695	16		04	12	31	74	5	03	1	3	0	9	2	6				13	55	803		19	13
29	02	9717	12		03	12	38	66	7	03	2	5	0	9	2	6									
	05	9751	10		04	12	37	66	8	38	2	3	0	9	2	6									
	08	9781	10		08	13	35	00	8	38	3	3	0	9	2										
	11	9806	12		08	12	36	58	7	38	3	2	0	9	2	6									
	14	9844	13		04	12	34	58	8	15	2	3	0	5	0	7									
	17	9872	14		01	12	30	74	8	15	2	4	5	9	2	8									
	20	9892	15		01	12	27	80	3	01	1	3	5	7	7										
	23	9907	14		03	13	18	80	2	03	1	2	5	7	7					12	54	788		16	10
30	02	9916	17		04	12	22	80	5	03	1	5	5	7	7										
	05	9937	15		03	13	21	80	8	02	1	8	5	5	7										
	08	9961	16		05	13	18	66	8	15	2	8	6	5	7										
	11	9978	11		502	16	26	84	4	01	2	2	5	5	7	3	8								
	14	9997	12		501	16	22	84	1	01	2	1	5	7	9										
	17	10011	11		502	16	20	84	1	02	1	1	0	7	9	0	5								
	20	10041	09		502	14	17	84	0	02	0	0													
	23	10068	08		504	14	20	84	0	02	0	0								15	38	662		17	06
31	02	10095	06		506	15	20	84	0	02	0	0													
	05	10129	04		508	15	20	84	3	03	0	0													
	08	10156	04		509	15	17	84	7	02	1	0	0	9	0	6									
	11	10172	06		507	00	00	84	7	03	1	2	0	9	3	6									
	14	10186	08		504	23	03	84	7	02	2	2	0	9	7	6									
	17	10186	07		505	00	00	84	6	02	2	1	0	9	4	8									
	20	10185	07		507	00	00	84	3	01	1	0	0	9	0	8									
	23	10176	09		506	34	03	84	2	01	0	0	0	9	0	8				15	33	422		09	03

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LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
01	02	10171	12		504	20	04	84	8	03	1	0	0	9	0	7									
	05	10152	13		503	13	22	82	8	03	2	3	0	9	1	7									
	08	10147	14		503	13	19	82	8	03	2	3	0	9	0	7									
	11	10126	16		502	12	28	80	8	02	2	8	0	9	2										
	14	10119	20		01	12	12	84	8	02	2	3	0	9	2	7									
	17	10109	17		00	16	11	84	8	02	2	3	0	9	2	7									
	20	10095	18		501	13	24	84	8	02	2	3	0	9	2	7									
	23	10073	22		00	12	22	80	8	02	2	0	0	9	0	7				12	49	169		23	07
02	02	10063	23		00	12	36	80	8	02	2	0	0	9	0	7									
	05	10039	23		502	13	35	80	8	02	2	0	0	9	0	7									
	08	10036	23		00	12	31	84	8	03	1	4	0	9	5	7									
	11	9995	24		01	13	40	82	8	02	2	8	0	9	7										
	14	9935	25		00	13	50	82	7	02	2	5	0	9	7	1									
	17	9925	24		01	13	45	80	7	02	2	4	0	9	7	6									
	20	9888	21		00	13	43	82	0	01	1	0								12	77	658		25	17
	23	9866	19		502	12	51	82	0	02	0	0													
03	02	9843	16		00	12	53	82	0	02	0	0													
	05	9839	17		502	12	50	82	0	02	0	0													
	08	9849	15		502	12	43	82	6	03	1	3	0	9	3	5									
	11	9848	17		501	12	27	84	8	02	2	0	0	9	0	7									
	14	9849	16		02	05	07	84	8	02	2	0	0	9	0	7									
	17	9851	16		501	12	12	84	3	01	1	0	0	9	0	8									
	20	9849	15		504	12	25	84	1	01	1	0	0	9	0	8				12	77	1128		19	09
	23	9858	11		506	12	21	84	0	02	0	0													
04	02	9866	10		508	13	28	84	0	02	0	0													
	05	9873	08		509	13	33	82	8	03	1	8	5	7											
	08	9858	12		505	13	25	82	8	02	2	8	5	7											
	11	9861	11		505	13	31	82	8	02	2	8	0	8	5										
	14	9857	13		504	13	25	82	7	02	2	7	5	7											
	17	9858	11		506	12	27	82	4	01	2	3	5	8	3										
	20	9857	07		508	15	20	84	1	01	1	1	5	8											
	23	9861	05		511	16	25	84	0	02	0	0								12	58	631		14	05
05	02	9873	05		511	13	22	84	0	02	0	0													
	05	9886	04		512	12	24	84	0	02	0	0													
	08	9894	04		512	13	31	84	2	03	1	1	5	7	1										
	11	9912	05		509	12	18	82	7	03	1	7	5	7											
	14	9917	09		505	13	13	74	8	02	2	8	5	6											
	17	9923	08		504	00	00	74	8	02	2	8	5	7											
	20	9922	06		506	00	00	74	8	02	2	8	5	7						12	45	499		09	02
	23	9919	05		507	18	04	80	0	01	1	0													
06	02	9911	03		510	13	17	80	0	02	0	0													
	05	9909	02		510	13	22	82	0	02	0	0													
	08	9906	03		510	14	20	84	3	02	1	0	0	9	0	8									
	11	9910	07		506	13	07	84	2	01	1	0	0	9	0	8									
	14	9918	08		504	22	05	84	1	02	1	0	0	9	0	5									
	17	9922	05		506	14	09	84	2	03	1	0	0	9	2	5									
	20	9931	02		509	00	00	84	1	02	1	1	0												
	23	9932	01		511	13	11	84	0	02	1	0								13	32	423		08	01
07	02	9939	501		513	16	10	84	0	02	0	0													
	05	9949	501		513	13	15	84	0	02	0	0													
	08	9941	503		515	13	20	84	0	02	0	0													
	11	9935	00		513	13	23	84	0	02	0	0													
	14	9942	06		509	13	11	84	0	02	0	0													
	17	9947	05		509	13	20	84	0	02	0	0													
	20	9959	501		514	22	04	84	0	02	0	0													
	23	9959	01		513	15	17	84	0	02	0	0								15	34	266		06	503
08	02	9968	501		514	16	18	84	0	02	0	0													
	05	9963	00		512	14	16	84	0	02	0	0													
	08	9972	02		512	13	17	84	0	02	0	0													
	11	9972	07		507	13	23	84	0	02	0	0													
	14	9987	08		506	13	18	87	1	02	0	0	0	9	0	8									
	17	9988	06		506	13	21	87	1	02	1	0	0	9	0	8									
	20	10002	03		509	13	22	87	0	02	0	0								13	37	373		08	502
	23	10001	05		506	13	20	84	0	02	0	0													
09	02	9989	10		505	13	29	84	0	02	0	0													
	05	9992	08		506	13	31	84	3	03	1	2	5	6	3										
	08	9993	11		503	13	31	84	8	02	2	7	5	6	1										
	11	9981	12		502	13	33	84	8	02	2	8	5	7											
	14	9972	14		00	13	29	80	8	01	2	7	5	7	0										
	17	9960	10		503	12	23	80	8	01	2	3	5	7	2	5									
	20	9944	11		502	12	21	80	8	02	2	1	0	9	0	7									
	23	9934	10		502	12	24	84	6	02	2	0	0			5				13	50	532		14	05

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LOCAL STANDARD TIME			TEMPERATURES			SURFACE WIND						LOW CLOUD					DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST				EXTREME TEMPERATURES	
DAY	HOUR	STATION LEVEL PRESSURE	DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED	VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	AMOUNT	TYPE	BASE	MIDDLE CLOUD	HIGH CLOUD	LOW	MIDDLE	HIGH	DIRECTION	SPEED	ANEMOMETER WIND RUN	PRECIPITATION	MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
10	02	9921	11		503	15	20	84	4		1	0	0	9	0	8									
	05	9907	12		503	12	23	84	3	02	1	0	0	9	0	8									
	08	9906	11		504	14	18	84	6	02	1	1	5	5	0	5									
	11	9893	16		00	13	21	84	4	03	1	0	0	9	0	8									
	14	9886	20		04	13	13	84	2	02	1	0	0	9	0	5									
	17	9879	20		04	14	10	84	2	02	1	0	0	9	0	5									
	20	9878	17		501	14	20	84	1	02	1	0	0	9	0	5									
	23	9885	15		502	13	13	84	1	02	1	0	0	9	0	5				13	35	657		21	10
11	02	9894	12		504	27	04	84	0	02	1	0													
	05	9889	13		503	13	26	84	2	03	1	0													
	08	9901	14		501	13	29	84	7	03	1	6	5	7	0	5									
	11	9913	16		01	13	30	80	8	02	2	7	5	7	0	8									
	14	9924	19		05	13	25	80	8	02	2	8	5	7											
	17	9933	19		06	13	30	80	8	02	2	8	5	7											
	20	9950	19		06	13	22	80	8	02	2	8	5	7											
	23	9955	19		05	13	25	80	8	02	2	8	5	7						12	45	412		19	10
12	02	9956	18		05	12	25	80	8	02	2	8	5	7											
	05	9962	17		04	12	24	80	8	02	2	8	5	8											
	08	9970	17		02	13	24	84	8	02	2	8	5	7											
	11	9978	17		05	13	14	80	8	02	2	8	5	8											
	14	9988	18		06	11	11	84	3	01	1	1	5	8	3										
	17	9997	16		03	13	14	84	3	02	1	2	5	8	3										
	20	10004	10		503	13	25	84	6	03	2	2	5	8	5										
	23	10010	12		00	13	21	84	8	03	2	2	5	8	5					12	38	654		19	10
13	02	10017	09		502	14	17	84	8	02	2	4	5	8	3										
	05	10023	10		503	14	17	84	7	01	2	6	5	6	3										
	08	10030	09		505	14	19	84	7	02	2	5	5	7	3										
	11	10032	08		506	13	21	84	6	01	2	1	5	7	3	2									
	14	10024	12		502	13	25	84	4	01	1	3	0	9	3										
	17	10024	11		503	12	25	84	7	03	1	4	5	7	3	5									
	20	10019	11		503	13	24	84	7	02	2	4	5	7	3										
	23	10020	10		505	12	24	84	2	01	1	2	0	9	3					13	39	467		13	08
14	02	10012	07		507	13	24	84	0	01	1	0													
	05	9995	09		505	13	31	84	8	03	2	1	0	9	3	7									
	08	9987	10		504	12	36	80	8	02	2	3	5	8	2										
	11	9976	17		02	12	35	80	8	02	2	7	6	7											
	14	9969	17		03	12	31	80	8	15	2	8		7											
	17	9955	18		05	12	31	66	8	16	2	8		6											
	20	9951	19		07	13	28	74	8	70	7	8		6											
	23	9934	20		06	12	32	74	8	02	7	8		6						12	50	587		21	07
15	02	9920	21		08	12	40	74	8	02	2	8		6											
	05	9907	21		08	12	41	74	8	02	2	8	0	8	2										
	08	9908	19		16	13	45	02		73	7														
	11	9903	20		15	12	40	32	8	73	7	8		5											
	14	9907	20		17	12	34	32	8	73	7	8	6	5											
	17	9919	19		17	12	31	09	8	73	7	8	6	5											
	20	9927	18		16	12	30	16	8	73	7	8	6	5											
	23	9926	19		14	13	31	32	8	71	7	8	6	5						12	58	859		21	18
16	02	9928	19		14	12	26	48	8	71	7	8	6	5											
	05	9927	19		13	12	21	66	8	70	7	8	6	6											
	08	9920	19		13	12	17	53	8	71	7	8	6	6											
	11	9911	21		11	12	21	74	7	01	2	7	5	6	3										
	14	9901	22		12	12	20	80	8	03	2	7	5	7	3										
	17	9892	21		11	10	11	80	7	01	2	7	0	9	3										
	20	9881	15		06	11	17	80	5	01	1	4	0	9	4	8									
	23	9862	15		05	13	20	80	7	03	2	7	0	9	3					12	38	778		22	15
17	02	9844	15		05	13	31	74	8	36	2	8	0	9	3										
	05	9826	15		02	13	40	74	8	02	3	8	5	7											
	08	9823	16		01	13	42	74	7	09	2	6	5	7	3										
	11	9821	16		02	12	43	32	8	09	2	6	5	7	3										
	14	9839	17		01	13	31	66	8	09	2	8	0	8	2										
	17	9846	16		01	13	31	58	8	77	7	8	6	5											
	20	9858	10		503	13	24	80	3	01	1	2	0	9	3	2									
	23	9864	05		507	13	24	80	0	02	1	0								12	62	708		17	05
18	02	9868	06		509	14	30	80	0	02	0	0													
	05	9865	05		509	15	27	80	0	02	0	0													
	08	9869	04		511	14	26	80	0	09	0	0													
	11	9873	04		509	13	30	80	0	09	0	0													
	14	9879	07		506	12	19	80	2	09	0	2	0	9	3										
	17	9880	07		508	13	24	80	5	03	1	5	0	9	3										
	20	9882	07		508	12	26	80	7	03	1	7	0	9	3										
	23	9884	03		510	12	31	80	3	03	1	3	0	9	3					14	47	727		08	03

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LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10-1	°F	°F	°F	°×10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
19	02	9889	07		505	12	25	80	5	03	1	5	0	9	3										
	05	9893	06		501	12	17	74	6	03	7	2	5	7	1										
	08	9892	08		01	12	15	66	8	70	7	8	6	5											
	11	9891	11		05	12	18	58	8	70	7	8	6	5											
	14	9894	15		08	12	18	66	7	15	7	4	6	5	7										
	17	9902	14		07	04	03	74	8	15	2	6	6	6	7										
	20	9908	13		08	00	00	80	7	01	2	2	6	6	7										
	23	9911	13		01	14	05	80	3	01	1	3	5	7						12	36	578		15	04
20	02	9915	09		00	15	15	80	7	03	1	7	5	7											
	05	9921	09		501	15	17	80	7	02	2	7	5	7											
	08	9925	06		503	15	17	84	5	01	2	2	5	7	7	6									
	11	9931	11		501	00	00	84	7	03	2	7	5	8											
	14	9932	13		01	12	09	84	2	01	1	2	5	7											
	17	9928	09		504	13	13	84	1	01	1	1	5	7											
	20	9928	02		509	13	24	87	1	02	1	1	5	7						13	34	296		14	00
	23	9931	00		510	13	25	84	5	03	1	5	5	6											
21	02	9929	02		510	13	26	84	6	03	2	6	5	6											
	05	9931	02		509	13	23	84	7	03	2	7	5	6											
	08	9936	03		508	14	14	80	7	02	2	7	5	6											
	11	9936	02		510	14	19	80	7	02	2	7	5	6											
	14	9936	03		509	13	19	80	7	02	2	7	5	6											
	17	9938	02		511	12	20	80	7	02	2	7	5	6											
	20	9940	504		517	13	26	80	5	01	2	5	5	5						12	42	469		03	506
	23	9941	506		518	12	30	84	3	01	1	3	5	5											
22	02	9938	508		520	12	30	84	1	01	1	1	5	5											
	05	9940	508		520	13	25	84	1	01	1	1	5	5											
	08	9937	507		520	13	27	80	7	09	2	7	5	5											
	11	9934	505		517	13	26	80	7	15	2	7	5	5											
	14	9927	503		515	13	16	80	7	15	2	7	5	5											
	17	9917	504		516	12	18	80	7	15	2	7	5	5											
	20	9908	506		519	12	24	80	7	01	2	6	5	7	0	8				12	38	595		503	509
	23	9895	509		522	12	29	80	5	01	2	5	5	5											
23	02	9879	510		523	12	29	80	5	02	2	5	5	5											
	05	9865	511		523	12	28	80	2	01	1	1	5	5	1										
	08	9849	510		523	12	29	82	6	03	1	2	5	5	3										
	11	9844	507		521	12	28	82	4	01	1	1	5	6	3										
	14	9841	502		515	11	22	84	1	01	1	1	0	9	3										
	17	9845	502		515	11	17	84	6	03	1	6	0	9	7										
	20	9848	505		518	12	20	84	1	02	1	1	0	9	3										
	23	9857	508		521	12	26	84	0	02	1	0								12	41	643		502	511
24	02	9872	507		522	12	23	84	0	02	0	0													
	05	9884	507		522	13	30	84	0	02	0	0													
	08	9904	507		522	13	27	84	0	02	0	0													
	11	9926	504		518	13	21	84	1	03	1	1	0	9	3										
	14	9945	501		515	12	16	84	1	02	0	1	0	9	3										
	17	9967	501		515	12	07	84	0	02	0	0													
	20	9984	506		518	13	08	84	1	03	0	0	0	9	0	5									
	23	9990	507		521	12	17	84	1	02	1	1	0	9	2					12	39	587		501	508
25	02	10000	506		521	13	16	84	3	03	1	3	0	9	2										
	05	9997	507		521	12	14	80	8	03	2	2	5	7	2										
	08	9984	507		520	12	18	80	8	15	2	2	6	6	2										
	11	9959	505		519	11	26	80	8	15	2	8	0	9	2										
	14	9932	505		513	10	22	32	8	70	7	8	0	9	2										
	17	9892	505		510	10	23	16	8	71	7	8	0	5											
	20	9830	502		505	11	35	02		73	7	9	6	5											
	23	9749	04		02	11	52	00		39	3									12	61	431		501	508
26	02	9720	00		501	12	64	00		39	3														
	05	9709	00		00	12	60	00		39	3														
	08	9706	02		01	13	53	00		39	3														
	11	9711	04		03	13	53	00		39	3														
	14	9725	06		05	13	44	00		39	3														
	17	9745	08		06	13	38	01		38	3														
	20	9767	08		06	13	36	02		38	3									12	74	1053		09	501
	23	9798	09		07	13	32	05	8	38	3	8	6	5											
27	02	9829	10			13	24	66	8	02	3	8	6	5											
	05	9854	09			13	22	66	8	71	7	8	6	6											
	08	9875	08		502	12	22	66	8	15	7	7	6	6											
	11	9891	10		01	09	05	80	7	01	2	7	0	8	7										
	14	9897	15		02	09	02	80	4	01	1	2	5	6	3										
	17	9894	12		01	26	04	80	2	01	1	1	5	9	3										
	20	9868	03		507	13	24	80	7	03	1	4	0	9	7	8									
	23	9849	05		506	12	29	80	8	03	2	8	0	9		5				12	41	826		16	02

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LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°× 10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°× 10	kt	St.miles	Points	°F	°F
28	02	9823	04		506	11	28	74	8	03	2	8	0	9	7										
	05	9757	04		501	12	44	16	8	38	3	8	0	9	2										
	08	9688	05		04	12	60	00		39	3														
	11	9660	06		05	12	60	00		39	3														
	14	9630	07		06	12	70	00		39	3														
	17	9617	09		08	12	70	00		39	3														
	20	9605	08		07	12	70	00		39	3														
	23	9610	11		09	13	61	00		38	3									12	88	538		11	03
29	02	9630	11			13	48	16	8	09	3	8	6	6											
	05	9660	14			13	42	15	8	09	2	8	5	6											
	08	9671	16			13	51	58	8	09	2	7	5	6	3										
	11	9701	15		502	13	42	58	8	09	2	8	5	7											
	14	9728	16		501	14	44	74	7	09	2	2	5	7	3										
	17	9761	16		501	15	32	74	4	02	1	4	0	9	4										
	20	9790	12		504	15	25	74	1	01	1	1	0	9	1										
	23	9816	08		508	15	31	80	0	02	0	0								12	70	1391		17	08
30	02	9839	07		508	15	33	80	0	02	0	0													
	05	9858	11		505	14	25	80	0	02	0	0													
	08	9879	10		507	15	29	84	6	03	1	0	0	9	0	6									
	11	9902	17		00	13	26	84	4	02	1	0	0	9	0	5									
	14	9928	20		03	12	22	84	3	02	1	0	0	9	0	3									
	17	9949	20		03	12	25	84	7	03	1	0	0	9	0	5									
	20	9970	15		501	12	26	84	7	03	1	3	0	9	3	5									
	23	9996	15		502	13	27	84	7	02	2	2	0	9	3	5				14	43	670		20	06

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LOCAL STANDARD TIME			TEMPERATURES			SURFACE WIND					LOW CLOUD					DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST				EXTREME TEMPERATURES	
DAY	HOUR	STATION LEVEL PRESSURE	DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED	VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	AMOUNT	TYPE	BASE	MIDDLE CLOUD	HIGH CLOUD	LOW	MIDDLE	HIGH	DIRECTION	SPEED	ANEMOMETER WIND RUN	PRECIPITATION	MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	w	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
01	02	9992	14		502	13	27	84	7	02	2	3	0	9	3	6									
	05	9994	13		503	13	27	84	7	03	2	5	0	9	7	8									
	08	9980	15		501	13	30	80	8	15	2	R	0	9	2										
	11	9965	16		01	13	29	80	8	01	2	R	0	9	7										
	14	9941	19		04	11	28	80	8	02	2	R	0	9	7										
	17	9915	19		05	11	31	80	8	15	2	6	6	6	2										
	20	9887	19		03	10	25	66	8	16	2	R	6	6											
	23	9855	18		03	10	27	66	8	15	2	R	6	6						11	40	603		19	13
02	02	9804	17		11	10	38	58	8	38	3	R	6	6											
	05	9785	17		10	11	45	32	8	38	3	R	6	6											
	08	9755	17		11	11	49	16		38	3														
	11	9729	18		12	11	50	05		38	3														
	14	9716	18		14	11	37	03		38	3														
	17	9703	18		14	11	42	05		38	3														
	20	9693	16		12	12	40	05		38	3														
	23	9706	18		12	12	31	58	R	38	3	8	6	6						11	57	869		18	16
03	02	9710	18		12	12	30	66	8	01	3	5	6	6	1										
	05	9723	18		10	12	30	58	8	71	7	8	6	6											
	08	9742	17		06	12	24	80	8	01	2	4	6	6	7										
	11	9752	19		05	13	18	80	8	02	2	8	0	8	2										
	14	9769	21		06	13	21	80	6	01	2	3	0	9	7	2									
	17	9782	20		04	12	18	80	6	02	2	4	0	9	4	2									
	20	9829	13		501	13	17	84	2	01	1	1	0	9	3	1									
	23	9831	10		505	16	17	84	0	01	1	0								12	41	875		21	07
04	02	9843	07		508	15	20	84	0	02	0	0													
	05	9849	05		510	15	18	84	0	02	0	0													
	08	9854	03		513	14	27	80	7	03	2	5	5	6	4										
	11	9841	09		506	14	23	80	7	02	2	7	5	5											
	14	9841	11		504	04	11	80	7	02	2	7	5	5											
	17	9843	13		503	11	19	80	1	01	1	1	5	5											
	20	9858	09		507	14	10	84	1	02	1	1	5	5											
	23	9874	09		509	15	27	84	0	02	0	0								14	38	433		13	02
05	02	9900	09		509	20	19	84	0	02	0	0													
	05	9934	07		510	29	08	84	0	02	0	0													
	08	9954	10		509	00	00	84	1	03	0	1	0	9	1										
	11	9956	14		504	00	00	84	4	03	1	4	0	9	0	5									
	14	9954	15		02	26	06	84	7	03	2	7	0	9	0	6									
	17	9948	12		03	27	06	84	8	02	2	8	0	9	0	7									
	20	9947	09		02	09	02	84	8	02	2	8	0	9	0	7									
	23	9930	08		01	00	00	84	8	02	2	8	0	9	2					14	39	335		15	06
06	02	9915	10		03	36	05	84	8	02	2	8	0	9	2										
	05	9899	11		06	25	04	03	8	73	7	8	6	5											
	08	9887	15		06	11	18	66	8	36	7	8	6	5											
	11	9878	16		05	12	16	58	8	70	3	8	6	5											
	14	9869	17		05	10	14	80	8	02	2	8	6	6											
	17	9874	14		03	09	17	66	8	70	7	8	6	5											
	20	9878	12		01	09	13	80	7	02	2	7	5	7											
	23	9894	07		505	14	06	80	0	02	1	0								11	25	101		18	07
07	02	9893	09		505	14	08	80	0	02	0	0													
	05	9902	06		509	11	22	80	0	36	3	0													
	08	9909	07		509	12	21	80	2	09	3	0	0	9	0	8									
	11	9910	11		505	13	20	84	5	01	3	0	0	9	0	6									
	14	9916	17		501	12	11	84	6	02	2	0	0	9	0	6									
	17	9913	12		504	25	03	84	7	03	2	0	0	9	0	6									
	20	9916	10		506	16	08	84	8	02	2	0	0	9	0	6									
	23	9915	05		509	13	05	84	6	01	2	0	0	9	0	8				13	37	325		17	04
08	02	9917	03		512	13	11	84	4	02	1	0	0	9	0	8									
	05	9916	03		514	13	02	84	4	02	0	0	0	9	0	8									
	08	9912	04		513	00	00	84	1	01	0	0	0	9	0	8									
	11	9913	10		511	05	04	84	0	02	0	0	0												
	14	9911	09		510	28	03	84	1	03	1	0	0	9	0	5									
	17	9899	08		508	26	05	84	1	02	0	0	0	9	0	8									
	20	9888	06		512	10	17	84	2	03	1	0	0	9	0	5									
	23	9878	01		513	11	32	84	2	38	3	0	0	9	0	8				11	41	182		10	01
09	02	9884	501		516	13	30	84	2	38	3	0	0	9	0	8									
	05	9873	02		517	13	31	84	6	36	3	1	5	7	0	6									
	08	9887	02		517	12	27	84	7	03	3	0	0	9	0	6									
	11	9894	07		513	07	12	84	4	01	1	0	0	9	0	5									
	14	9922	07		510	32	11	84	8	02	1	0	0	9	0	7									
	17	9907	07		512	27	05	84	8	02	2	0	0	9	0	7									
	20	9924	04		509	00	00	84	3	02	1	0	0	9	0	8									
	23	9929	00		514	14	17	84	0	02	1	0								11	39	413		09	501

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LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°× 10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°× 10	kt	St.miles	Points	°F	°F
10	02	9933	505		520	15	28	84	0	02	0	0													
	05	9933	506		521	15	22	84	1	02	1	0	0	9	0	8									
	08	9930	504		520	15	22	84	1	02	1	0	0	9	0	8									
	11	9930	03		516	11	12	84	1	02	1	1	0	9	3										
	14	9936	02		515	30	04	84	1	02	1	1	0	9	3										
	17	9934	03		514	26	05	84	1	02	1	1	0	9	3										
	20	9938	01		515	00	00	84	1	02	1	1	0	9	1										
	23	9938	502		516	16	10	84	1	02	0	1	0	9	1					13	35	326		04	507
11	02	9939	504		518	34	04	84	0	02	1	0													
	05	9940	503		519	18	01	84	0	02	0	0													
	08	9944	00		518	16	17	84	1	03	1	1	0	9	3										
	11	9951	01		513	21	11	84	1	02	1	1	0	9	3										
	14	9958	04		512	27	07	84	1	02	0	1	0	9	1										
	17	9966	04		512	23	05	84	2	03	1	1	0	9	1	5									
	20	9975	03		510	00	00	84	4	03	1	0	0	9	0	6									
	23	9975	02		514	15	09	80	8	02	1	0	0	9	0	6				15	29	151		05	505
12	02	9968	01		514	16	09	80	8	02	2	0	0	9	0	6									
	05	9961	02		516	12	14	80	8	02	2	8	0	8	2										
	08	9955	02		513	00	00	74	8	02	2	8	0	7	2										
	11	9943	04		512	36	03	74	8	02	2	8	0	7	2										
	14	9929	04		510	25	07	80	8	02	2	8	0	8	1										
	17	9919	05		509	23	05	82	8	01	2	5	0	8	1	8									
	20	9916	04		508	00	00	82	5	02	2	0	0	9	0	8									
	23	9906	01		514	13	16	82	2	01	1	2	0	9	1					13	21	124		07	00
13	02	9898	00		514	16	12	84	1	02	1	1	0	9	1										
	05	9893	00		514	15	10	84	4	02	1	0	0	9	0	8									
	08	9893	00		517	15	17	84	4	02	1	0	0	9	0	8									
	11	9893	03		512	25	03	84	2	02	1	0	0	9	0	8									
	14	9895	04		513	25	02	84	1	02	1	0	0	9	0	8									
	17	9892	04		512	25	06	84	1	02	1	0	0	9	0	1									
	20	9895	02		512	00	00	84	1	02	1	0	0	9	0	2									
	23	9901	501		511	00	00	84	1	02	0	0	0	9	0	8				13	21	186		05	502
14	02	9903	502		512	13	04	84	1	02	0	0	0	9	0	8									
	05	9914	506		514	09	02	84	1	02	0	0	0	9	0	8									
	08	9918	504		515	23	08	84	7	03	1	0	0	9	0	5									
	11	9919	03		510	04	01	84	8	02	0	0	0	9	0	7									
	14	9918	05		515	35	05	84	8	02	2	8	0	9	2										
	17	9915	04		511	05	10	58	8	16	2	8	6	7											
	20	9907	03		506	09	14	32	8	71	7	8	6	7											
	23	9896	00		511	13	16	32	6	71	7	6	6	7						13	25	078		05	506
15	02	9890	501		511	14	20	56	4	01	7	3	6	7	2										
	05	9883	501		515	13	20	74	5	09	3	3	6	7	2										
	08	9874	502		515	14	20	74	2	36	3	1	5	7	0	8									
	11	9873	05		512	10	12	80	3	01	1	0	0	9	0	6									
	14	9875	03		510	27	06	80	8	03	2	0	0	9	0	8									
	17	9865	05		510	26	02	80	7	03	2	0	0	9	0	6									
	20	9857	00		507	25	01	80	7	15	2	3	0	9	2	6									
	23	9845	01		511	22	06	80	5	02	1	1	0	9	2	6				11	35	310		06	502
16	02	9835	01		512	13	06	80	4	02	1	0	0	9	0	8									
	05	9835	02		513	13	25	80	6	36	1	2	0	9	5	8									
	08	9844	03		511	13	28	74	8	36	3	8	0	9	1										
	11	9860	09		507	13	23	74	8	36	3	8	0	9	2										
	14	9869	09		507	10	19	80	8	02	2	8	6	7											
	17	9870	10		506	10	17	80	8	02	2	8	6	8											
	20	9877	06		504	10	21	16	8	71	7	8	6	7											
	23	9868	07		503	14	24	32	7	71	7	7	6	7						13	35	248		11	501
17	02	9857	06		504	13	19	66	4	01	7	2	6	7	2										
	05	9863	05		507	15	06	80	3	01	1	2	0	9	1	8									
	08	9845	06		506	12	30	74	1	36	3	1	0	9	1										
	11	9852	10		502	13	27	74	2	36	3	1	0	9	3	8									
	14	9852	12		501	06	17	84	4	01	3	1	0	9	3	5									
	17	9845	12		501	06	14	84	7	03	1	3	0	9	3	6									
	20	9836	08		504	07	14	84	8	02	2	1	0	9	3	6									
	23	9811	08		504	13	26	80	8	02	2	0	0	9	0	6				11	45	461		14	03
18	02	9792	09		504	13	31	66	7	38	3	3	0	9	1	6									
	05	9759	13		504	13	19	80	6	02	3	3	0	9	1	6									
	08	9735	17		501	13	25	74	8	38	2	3	6	7	1										
	11	9719	19		04	13	36	74	8	38	3	4	6	7	1										
	14	9714	22		05	13	31	80	8	02	3	8	0	9	1										
	17	9702	22		02	13	35	82	4	01	3	5	0	9	7	8									
	20	9710	19		00	13	32	84	8	02	2	2	5	7	2										
	23	9701	21		501	13	34	82	8	38	2	3	5	7	2					13	53	568		22	07

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LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	° × 10	kt	VV	Oktas	ww	w	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°× 10	kt	St.miles	Points	°F	°F
19	02	9697	19		501	12	45	82	8	38	3	8	0	9	2									
	05	9719	18		05	13	42	56	8	38	3	8	6	6										
	08	9729	19		06	13	36	58	8	09	3	8	0	8	2									
	11	9736	19		08	13	30	58	8	71	7	8	6	6										
	14	9743	19		09	12	23	58	8	71	7	8	6	6										
	17	9745	18		09	12	26	58	8	72	7	8	6	6										
	20	9744	15		09	12	25	48	8	73	7	8	6	6										
	23	9738	14		09	13	29	16	8	73	7	8	6	6						13	58	717		21	13
20	02	9721	14		10	12	36	09	8	38	7	8	6	6										
	05	9708	14		08	12	36	08	8	38	3	8	6	6										
	08	9700	16		10	11	37	16		38	3													
	11	9671	19		15	11	47	08		38	3													
	14	9681	23		20	11	52	02		38	3													
	17	9695	20		18	12	48	00		73	7													
	20	9704	17		16	12	54	00		39	7													
	23	9710	16		15	12	48	00		39	7									12	59	726		23	13
21	02	9713	16		15	12	51	00		39	3													
	05	9717	17		16	12	54	00		39	3													
	08	9728	17		16	12	45	00		39	3													
	11	9724	17		16	12	48	00		39	3													
	14	9740	16		15	13	44	00		39	3													
	17	9742	15		14	12	42	00	1	39	3	1	0	9	2									
	20	9742	15		14	13	44	16	7	09	3	7	5	6										
	23	9741	16		10	13	46	32	8	09	3	8	5	6						12	67	1169		17	15
22	02	9742	18		10	13	45	48	8	09	3	8	5	7										
	05	9746	17		09	12	45	56	7	09	3	3	5	7	7									
	08	9763	16		07	12	46	56	8	36	3	6	5	6	2									
	11	9771	18		06	14	45	66	8	09	3	7	5	7	2									
	14	9779	18		03	13	42	66	8	09	2	6	5	7	3									
	17	9791	19		00	13	33	74	8	02	2	8	5	6										
	20	9787	18		502	13	36	80	7	01	2	7	5	6										
	23	9791	16		503	13	35	84	8	02	2	8	5	7						13	61	1097		19	16
23	02	9789	16		504	13	32	84	8	02	2	8	5	7										
	05	9793	15		505	15	22	84	6	01	2	4	5	7	2									
	08	9788	18		505	13	24	84	5	02	2	2	5	7	0	1								
	11	9792	19		502	12	20	84	1	02	1	1	0	9	7									
	14	9792	21		501	33	06	84	3	02	1	3	0	9	7									
	17	9788	21		503	24	04	84	1	02	1	1	0	9	3									
	20	9785	21		01	17	05	84	1	02	0	1	0	9	3									
	23	9786	13		507	13	31	84	0	02	0	0								13	40	769		23	12
24	02	9783	11		509	15	31	84	0	02	0	0												
	05	9769	10		509	17	25	87	0	02	0	0												
	08	9780	11		508	13	21	84	1	03	0	0	0	9	0	1								
	11	9780	15		504	15	22	84	0	02	0	0												
	14	9801	16		503	14	17	84	0	02	0	0												
	17	9809	15		00	05	09	84	3	03	0	3	0	7	8									
	20	9819	09		509	13	21	84	2	01	0	2	0	7	8									
	23	9824	06		514	15	25	84	0	02	1	0								13	41	341		16	05
25	02	9815	02		512	18	22	84	0	02	0	0												
	05	9811	02		512	15	39	80	0	09	3	0												
	08	9811	05		510	15	39	84	0	02	3	0												
	11	9822	12		505	15	36	84	0	02	0	0												
	14	9845	15		504	22	05	84	1	03	0	0	0	9	0	5								
	17	9857	17		02	25	12	82	3	03	0	0	0	9	0	5								
	20	9854	16		01	16	10	84	8	03	1	4	0	9	7	6								
	23	9842	12		503	16	18	80	8	03	2	8	0	9	2					13	54	495		18	01
26	02	9833	11		502	00	00	80	8	02	2	8	0	9	2									
	05	9830	11		505	12	11	80	8	02	2	8	0	9	2									
	08	9819	14		501	00	00	80	8	01	2	8	0	9	7									
	11	9817	17		505	12	20	82	7	02	2	5	0	9	2	6								
	14	9818	19		501	09	14	82	8	02	2	8	0	8	2									
	17	9828	17		02	08	17	74	8	02	2	8	5	5										
	20	9834	13		01	11	25	66	8	15	7	8	5	5										
	23	9852	12		505	11	26	80	0	01	2	0								11	36	251		19	11
27	02	9873	07		511	13	21	84	0	02	0	0												
	05	9896	02		514	15	26	84	1	02	1	1	0	9	2									
	08	9917	04		511	15	25	84	0	02	0	0												
	11	9931	15		506	06	04	84	0	02	0	0												
	14	9946	13		511	32	06	84	1	02	0	1	0	9	3									
	17	9951	14		506	25	04	84	1	02	0	1	0	9	3									
	20	9954	12		506	02	02	84	1	02	0	1	0	9	3									
	23	9957	07		508	13	14	84	1	02	0	1	0	9	3					13	38	476		15	01

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LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	° × 10	kt	VV	Oktas	ww	W	Oktas.	C_L	h	C_M	C_H	D_L	D_M	D_H	° × 10	kt	St.miles	Points	°F	°F
28	02	9950	501		516	13	31	84	1	02	2	1	0	9	3										
	05	9946	02		514	15	17	84	1	02	2	1	0	9	3										
	08	9941	03		514	15	27	84	0	02	2	0													
	11	9936	11		509	12	22	84	0	02	2	0													
	14	9932	16		508	09	11	87	0	02	2	0													
	17	9927	12		505	33	06	87	0	02	2	0													
	20	9919	10		507	33	02	87	0	02	2	0													
	23	9905	06		510	13	18	87	0	02	2	0								13	43	255		16	501
29	02	9896	01		516	12	34	87	0	02	2	0													
	05	9883	04		515	12	26	87	1	03	2	1	5	7											
	08	9873	07		513	12	33	84	1	02	2	1	5	7											
	11	9869	09		508	12	28	84	1	02	2	1	5	7											
	14	9860	12		507	11	30	84	1	03	2	1	0	9	4										
	17	9850	11		506	11	29	84	2	03	1	1	1	6	4										
	20	9847	06		510	12	23	84	1	02	0	1	8	6											
	23	9833	05		512	12	26	84	1	02	0	1	0	9	2					11	45	406		12	501
30	02	9819	07		511	12	27	84	0	02	0	0													
	05	9811	07		511	13	31	84	0	02	0	0													
	08	9797	11		508	13	31	84	1	03	0	1	1	6											
	11	9790	14		504	12	27	84	5	03	1	5	5	7											
	14	9777	18		501	11	24	82	7	03	1	7	5	7											
	17	9768	17		502	12	22	80	8	02	2	8	5	7											
	20	9746	16		503	13	28	80	8	02	2	8	5	7											
	23	9733	17		00	12	22	66	8	02	2	8	5	7						11	49	622		18	05
31	02	9723	16		04	12	27	66	8	70	7	8	5	7											
	05	9713	17		08	12	26	66	8	70	7	8	5	7											
	08	9693	19		13	12	31	32	8	71	7	8	6	6											
	11	9682	21		16	12	37	16	8	38	3	8	6	6											
	14	9691	23		19	11	43	01	8	38	3	8	6	5											
	17	9719	24		19	08	22	32	8	71	7	8	6	5											
	20	9732	24		19	09	27	32	8	71	7	8	6	5											
	23	9749	24		19	09	27	32	8	71	7	8	6	5						11	55	598		24	15

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LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
01	02	9765	23		17	11	27	32	8	38	7	8	6	5											
	05	9775	23		15	11	32	32	8	38	3	8	6	5											
	08	9785	23		17	10	25	08	8	73	7	8	6	5											
	11	9791	25		18	10	30	16	8	73	7	8	6	5											
	14	9803	25		16	08	26	56	8	71	7	8	6	5											
	17	9805	25		16	09	28	60	8	15	7	8	6	5											
	20	9808	24		16	08	17	61	8	70	7	8	6	5						10	44	770		25	23
	23	9807	23		15	10	14	63	8	70	7	8	6	6											
02	02	9805	22		13	09	14	63	8	02	7	8	6	7											
	05	9795	22		10	09	18	74	8	02	2	8	6	7											
	08	9785	23		10	10	17	74	8	02	2	8	6	6											
	11	9776	25		12	12	14	80	8	02	2	8	6	5											
	14	9772	27		10	11	17	80	8	01	2	1	2	5	7										
	17	9773	25		09	10	17	80	8	02	2	8	0	8	7	1									
	20	9779	21		04	11	17	82	8	02	2	8	0	8	1	1				11	35	489		27	13
	23	9787	15		01	12	20	80	6	02	2	6	0	9	1										
03	02	9788	12		503	13	17	80	7	02	2	7	0	9	1										
	05	9787	12		503	13	32	66	8	36	3	2	6	6	1										
	08	9800	13		502	13	28	74	8	36	3	6	0	9	1	7									
	11	9817	17		02	12	21	74	8	09	3	8	0	8	1										
	14	9830	18		02	11	27	74	8	09	2	5	5	7	2										
	17	9839	17		07	11	24	74	8	09	2	7	5	6	2										
	20	9853	14		01	11	30	66	7	36	3	6	5	6						11	42	522		18	12
	23	9857	13		02	13	30	74	8	36	3	8	5	6											
04	02	9862	13		00	13	28	74	8	36	3	8	5	6											
	05	9866	13		00	13	24	80	8	36	3	8	5	6											
	08	9865	16		01	11	21	80	8	02	3	8	5	6											
	11	9851	20		04	11	18	84	7	01	2	4	5	7	0	1									
	14	9867	23		05	08	18	84	3	01	1	2	8	5	0	5									
	17	9862	22		05	08	14	84	3	01	1	2	8	5	0	5									
	20	9861	17		02	12	13	84	6	03	1	2	0	8	3	6									
	23	9860	11		502	12	30	84	2	02	1	2	5	6						11	40	609		23	11
05	02	9856	11		501	12	23	84	7	03	1	7	0	9	2										
	05	9851	15		502	12	23	84	7	02	2	7	5	6											
	08	9848	18		04	12	22	84	8	02	2	8	5	6											
	11	9841	21		08	11	25	82	8	02	2	8	6	7											
	14	9846	23		10	11	22	84	8	02	2	8	6	6											
	17	9848	24		09	11	23	84	8	02	2	8	6	7	3										
	20	9858	21		09	11	25	82	8	02	2	8	5	6	2										
	23	9869	19		07	11	25	80	8	70	2	8	5	6						11	39	477		24	01
06	02	9875	18		05	13	27	80	8	02	7	8	5	6											
	05	9877	17		04	12	28	66	8	36	7	8	5	6											
	08	9880	19		07	13	27	58	8	70	7	8	5	6											
	11	9873	22		09	12	24	74	8	15	7	8	5	6											
	14	9862	25		10	09	13	80	8	01	2	8	5	6											
	17	9845	24		09	10	17	74	8	15	2	7	5	6	2										
	20	9833	22		08	12	16	80	8	14	2	8	5	6											
	23	9830	21		05	13	17	80	8	02	2	8	5	6						12	37	629		25	17
07	02	9839	18		06	13	17	80	8	15	2	8	5	6											
	05	9847	20		06	18	07	74	8	70	7	6	5	6	0										
	08	9847	17		02	16	21	82	3	01	1	3	0	8	3	1									
	11	9851	21		07	27	05	84	0	02	1	0	0												
	14	9859	22		11	29	05	84	0	02	0	0	3												
	17	9865	22		14	27	11	82	3	03	0	3	4	0	5	5									
	20	9875	18		12	31	08	80	6	03	1	2	1	9	6	3									
	23	9887	14		10	35	03	80	4	01	2			6	7	0	2	1	5	16	30	520		22	11
08	02	9896	11		07	00	00	80	4	02	1	0	0	9	0	0									
	05	9890	10		502	13	16	82	7	03	1	2	0	9	0	2	5	6							
	08	9891	15		03	09	06	80	7	03	2	3	0	9	0	0	6	7							
	11	9878	23		04	11	18	80	8	02	2	3	0	9	0	0	7	7							
	14	9855	24		08	36	08	80	8	02	2	4	0	9	0	2	8								
	17	9828	25		10	10	17	80	8	03	2	2	0	9	1	0									
	20	9810	18		05	10	25	80	8	02	2	2	0	9	1	0				11	40	163		27	10
	23	9774	19		06	13	22	80	7	02	2	0	0	9	0	2	7	7							
09	02	9741	19		06	13	22	80	7	02	2	0	0	9	0	2									
	05	9719	18		05	11	31	80	7	02	2	3	0	9	1	2									
	08	9700	19		06	11	34	80	7	36	3	7	0	9	2	7									
	11	9690	23		09	12	25	82	7	02	2	7	0	9	2	7									
	14	9682	27		11	12	17	82	7	02	2	7	0	9	2	7									
	17	9673	25		10	12	24	82	7	02	2	4	0	9	2	7									
	20	9674	22		10	11	19	82	7	02	2	3	0	9	2	7									
	23	9677	21		07	12	25	82	7	02	2	4	5	5	2	7				11	49	483		27	16

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LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	° × 10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	° × 10	kt	St.miles	Points	°F	°F
10	02	9684	19		07	12	29	82	7	02	2	7	5	7											
	05	9692	19		07	11	20	82	7	02	2	7	5	6											
	08	9700	20		07	12	23	82	7	02	2	7	5	6											
	11	9719	25		12	09	15	80	8	02	2	8	5	6											
	14	9738	29		14	08	11	80	7	01	2	5	5	6	3										
	17	9754	26		15	25	07	80	7	01	2	7	0	9	3										
	20	9779	25		16	23	05	80	8	02	2	8	0	9	7										
	23	9801	25		16	09	11	80	8	02	2	8	0	9	2					11	37	543		29	19
11	02	9825	23		11	12	17	82	8	02	2	8	0	9	2										
	05	9843	20		09	12	17	82	7	02	2	7	0	9	3										
	08	9862	23		11	12	18	84	1	01	1	1	0	9	3										
	11	9877	28		14	12	16	84	1	01	0	1	0	9	0										
	14	9896	29		16	04	09	84	6	03	1	6	0	9	0	8									
	17	9903	30		17	07	15	84	8	03	2	1	1	6	0	6									
	20	9924	26		15	09	18	84	8	02	2	1	5	6	8	3									
	23	9942	24		12	11	19	82	8	02	2	8	0	8	2					11	31	273		32	20
12	02	9948	21		10	11	25	82	8	02	2	8	0	8	2										
	05	9953	21		11	10	21	82	8	15	2	5	5	7	7										
	08	9958	24		14	11	21	80	8	15	2	8	5	7											
	11	9957	27		15	09	21	80	7	15	2	7	5	7											
	14	9960	30		18	08	17	82	5	01	1	4	8	5	0	1									
	17	9957	28		18	07	15	82	8	03	2	5	5	7	3										
	20	9953	25		18	08	11	82	8	15	2	3	5	7	7	2									
	23	9944	22		14	11	27	82	8	02	2	8	0	9	2					11	36	426		30	20
13	02	9927	20		12	11	29	82	8	02	2	8	0	9	2										
	05	9908	19		11	11	34	63	8	36	2	8	6	5											
	08	9884	19		10	11	33	74	8	36	3	7	6	6	2										
	11	9870	22		10	11	30	74	8	15	3	8	5	6											
	14	9842	24		11	12	31	74	8	15	3	8	6	7											
	17	9825	24		14	11	32	74	8	36	3	8	5	7											
	20	9816	22		11	12	30	74	8	15	2	8	5	7											
	23	9798	23		10	12	31	80	8	02	2	8	5	7						12	52	451		25	18
14	02	9788	23		10	12	33	80	8	01	2	6	5	7	2										
	05	9780	23		08	12	34	80	8	36	3	8	5	7											
	08	9784	23		10	11	36	82	8	36	3	8	5	7											
	11	9785	26		14	12	31	80	8	15	3	8	5	7											
	14	9800	28		14	12	31	80	8	15	3	8	5	7											
	17	9813	28		15	12	32	80	8	02	2	8	5	7											
	20	9829	27		14	12	29	80	8	02	2	8	5	7											
	23	9853	26		13	12	23	80	8	02	2	8	5	7						12	51	834		28	21
15	02	9869	25		13	13	14	80	8	02	2	8	5	7											
	05	9876	22		10	14	23	82	5	01	2	5	5	8	9										
	08	9878	23		09	14	21	82	1	01	1	1	0	9	3										
	11	9883	31		14	11	11	84	0	02	0	0													
	14	9888	29		20	27	07	84	0	02	0	0													
	17	9897	34		18	09	04	84	0	02	0	0													
	20	9905	28		16	10	14	84	0	02	0	0													
	23	9916	23		10	13	16	84	0	02	0	0								14	38	587		35	20
16	02	9934	19		06	13	21	84	0	02	0	0													
	05	9948	15		02	14	27	84	0	02	0	0													
	08	9966	20		05	14	21	84	1	02	0	0	0	9	0	8									
	11	9980	29		13	13	10	84	1	02	0	0	0	9	0	8									
	14	9992	26		12	28	08	84	1	02	0	0	0	9	0	8									
	17	10001	26		11	26	11	84	3	03	1	1	0	9	3	1									
	20	10001	26		15	13	04	84	7	03	1	1	0	9	3	6									
	23	10002	25		17	32	05	84	8	03	2	8	0	9	3					13	38	330		32	14
17	02	9992	22		19	09	04	84	8	02	2	8	0	9	3										
	05	9977	22		13	03	05	84	8	02	2	8	0	9	7										
	08	9952	24		16	09	04	84	8	02	2	8	0	9	1										
	11	9932	27		16	03	05	84	8	02	2	8	0	9	0	7									
	14	9916	28		18	27	04	84	8	02	2	8	0	9	0	7									
	17	9907	27		18	25	08	82	8	02	2	8	0	9	0	7									
	20	9904	29		16	09	14	80	8	03	2	8	0	9	2										
	23	9897	25		15	09	17	80	8	02	2	8	0	9	2					09	27	132		30	20
18	02	9896	23		13	09	17	74	8	70	2	8	6	6											
	05	9876	23		16	11	12	16	8	73	2	8	6	5											
	08	9865	22		15	11	16	32	8	73	2	8	6	5											
	11	9849	26		15	10	14	82	3	01	2	3	5	8	3										
	14	9845	24		14	32	10	82	5	03	1	3	5	7	3										
	17	9842	23		17	32	08	80	8	70	1	7	6	5	3										
	20	9841	23		20	31	08	80	7	70	1	7	6	5											
	23	9853	19		04	23	07	80	2	01	1	2	5	5						13	42	244		28	16

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LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
19	02	9854	13		06	14	35	80	0	36	3	0													
	05	9856	16		05	15	21	80	0	36	3	0													
	08	9868	19		10	04	07	84	1	01	0	0	0	9	0	8									
	11	9866	19		09	34	09	84	1	02	0	0	0	9	0	8									
	14	9870	23		10	27	05	84	5	03	1	0	0	9	0	5									
	17	9872	27		15	30	08	84	2	01	1	0	0	9	0	3									
	20	9881	25		19	22	06	84	8	03	2	0	0	9	0	7									
	23	9901	25		11	03	05	84	8	02	2	0	0	9	0	7				13	48	297		29	12
20	02	9904	23		07	12	10	84	8	02	2	0	0	9	0	7									
	05	9914	23		07	12	17	82	8	03	2	5	0	9	2	8									
	08	9924	23		08	12	25	82	8	03	2	8	0	9	7										
	11	9927	28		11	11	16	82	8	03	2	8	0	8	2										
	14	9937	27		12	07	14	80	8	02	2	8	0	8	2										
	17	9935	28		12	10	17	74	8	15	2	8	6	7											
	20	9946	26		13	08	08	74	8	15	2	5	6	7											
	23	9960	24		20	06	08	80	8	01	2	1	5	7	2					13	30	243		29	21
21	02	9979	22		15	11	17	80	6	01	2	2	5	7	2										
	05	9989	21		06	12	19	84	3	01	1	2	0	9	3	1									
	08	10003	25		11	12	15	84	2	01	1	1	0	9	3	1									
	11	10008	30		10	10	11	84	1	02	0	0	0	9	0	1									
	14	10013	28		13	27	06	82	1	02	0	0	0	9	0	1									
	17	10017	28		14	31	06	82	0	02	0	0													
	20	10004	28		15	22	05	82	1	03	0	0	0	9	0	5									
	23	9997	22		10	12	21	82	0	02	0	0								12	27	316		33	20
22	02	9977	23		06	12	24	82	0	02	0	0													
	05	9961	19		04	12	28	84	1	02	0	0	0	9	0	8									
	08	9941	25		08	11	20	84	4	03	1	2	0	9	5	5									
	11	9925	30		14	11	17	84	2	01	1	0	0	9	0	8									
	14	9905	32		16	02	09	84	2	02	1	0	0	9	0	8									
	17	9883	30		18	25	05	84	2	02	1	0	0	9	0	8									
	20	9867	30		17	08	13	84	1	02	1	0	0	9	0	8									
	23	9854	22		09	11	26	84	1	02	0	0	0	9	0	8				13	38	282		33	19
23	02	9838	24		05	12	23	84	1	02	0	0	0	9	0	8									
	05	9831	24		04	11	25	84	1	03	0	1	0	9	3										
	08	9819	26		04	11	27	84	1	02	0	1	0	9	1										
	11	9814	28		10	12	25	84	1	02	0	1	0	9	1										
	14	9812	31		14	12	24	84	1	02	0	1	0	9	1										
	17	9812	29		14	12	26	84	1	02	0	1	0	9	1										
	20	9818	24		09	12	27	84	2	03	0	1	5	6	1										
	23	9830	21		03	12	30	84	2	02	0	2	0	9	1					12	43	397		31	19
24	02	9834	18		03	13	21	84	2	02	0	2	0	9	1										
	05	9844	19		02	13	25	84	1	01	0	1	0	9	3										
	08	9851	23		05	13	30	84	1	02	0	1	0	9	3										
	11	9858	27		13	12	26	84	5	03	1	5	0	9	3										
	14	9869	30		16	11	27	84	6	03	1	6	0	9	3										
	17	9887	29		16	11	25	84	7	03	1	5	5	7	3										
	20	9906	28		14	12	22	84	7	03	2	7	5	7											
	23	9923	25		11	12	27	82	8	02	2	8	5	7						13	44	656		31	16
25	02	9935	24		09	12	21	82	7	01	2	4	5	7	0	8									
	05	9944	22		06	14	25	84	3	01	1	2	5	7	0	8									
	08	9950	24		08	14	25	84	1	01	1	1	5	7											
	11	9950	30		13	15	21	84	0	02	0	0													
	14	9956	31		16	26	09	84	1	02	0	0	0	9	0	8									
	17	9949	32		16	25	08	84	1	02	1	0	0	9	0	8									
	20	9936	32		20	26	04	84	1	02	1	0	0	9	0	2									
	23	9923	27		17	27	09	84	1	02	0	0	0	9	0	2				13	36	580		34	21
26	02	9916	24		12	13	08	84	1	02	0	0	0	9	0	2									
	05	9895	23		07	13	23	84	4	03	1	0	0	9	0	6									
	08	9885	25		10	24	07	84	7	03	2	0	0	9	0	6									
	11	9878	31		14	13	20	84	7	02	2	0	0	9	0	8									
	14	9860	29		19	24	10	84	1	01	1	1	0	9	3										
	17	9853	29		16	23	07	84	0	01	0	0													
	20	9853	33		15	17	08	84	0	02	0	0													
	23	9855	25		09	15	26	84	0	02	0	0								13	40	238		35	22
27	02	9863	20		04	15	31	84	0	02	0	0													
	05	9871	19		04	14	26	84	2	03	0	0	0	9	0	5									
	08	9878	24		07	13	23	84	4	03	1	1	0	9	3	5									
	11	9890	27		13	12	23	84	6	03	1	0	0	9	0	4									
	14	9905	31		15	07	12	82	2	02	1	0	0	9	0	2									
	17	9912	32		18	05	10	82	4	03	1	0	0	9	0	4									
	20	9925	30		18	12	10	82	3	02	1	0	0	9	0	2									
	23	9930	22		10	13	23	82	4	03	1	0	0	9	0	6				13	45	365		33	19

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LOCAL STANDARD TIME			TEMPERATURES			SURFACE WIND					LOW CLOUD					DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST				EXTREME TEMPERATURES	
DAY	HOUR	STATION LEVEL PRESSURE	DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED	VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	AMOUNT	TYPE	BASE	MIDDLE CLOUD	HIGH CLOUD	LOW	MIDDLE	HIGH	DIRECTION	SPEED	ANEMOMETER WIND RUN	PRECIPITATION	MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	° × 10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	° × 10	kt	St.miles	Points	°F	°F
28	02	9930	20		08	13	23	82	6	03	1	0	0	9	0	6									
	05	9925	23		09	13	23	84	7	02	2	0	0	9	0	6									
	08	9919	27		12	12	24	84	8	03	2	1	5	6	7	6									
	11	9915	31		16	11	17	82	8	02	2	8	5	7											
	14	9901	34		17	08	10	80	8	02	2	7	5	7	7										
	17	9893	30		19	32	05	80	8	02	2	3	5	7	3										
	20	9882	30		23	27	04	80	8	02	2	2	5	7	3										
	23	9878	28		18	12	12	82	8	02	2	8	0	9	3					13	36	450		35	20
29	02	9864	27		16	12	14	82	8	02	2	8	0	9	3										
	05	9852	27		08	12	24	84	7	01	2	7	0	9	3										
	08	9836	28		14	12	22	84	3	01	1	3	0	9	3										
	11	9827	32		17	08	13	84	3	02	1	1	5	7	3	8									
	14	9817	34		22	05	11	84	7	03	2	5	5	7	7	8									
	17	9810	31		23	06	17	80	7	03	2	7	8	6											
	20	9804	29		23	07	10	74	8	15	7	8	5	6											
	23	9813	27		17	09	15	80	8	02	2	5	5	6	0	8				13	31	296		33	25
30	02	9806	24		13	12	20	80	8	02	2	2	5	6	0	8									
	05	9805	23		12	11	17	82	8	02	2	4	5	6	0	4									
	08	9804	26		13	08	13	80	8	15	2	8	5	6											
	11	9805	28		14	09	23	80	7	03	2	5	5	8	3	8									
	14	9811	30		15	08	17	82	5	01	1	3	8	6	3	1									
	17	9814	32		18	09	16	02	4	01	1	2	8	6	0	9									
	20	9824	28		18	07	09	82	7	03	1	6	5	7	0	8									
	23	9834	25		15	11	14	82	6	01	2	2	5	7	3					11	39	393		32	23

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LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	° × 10	kt	VV	Oktas	ww	w	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	° × 10	kt	St. miles	Points	°F	°F
01	02	9843	23		13	12	21	82	5	01	1	1	5	7	3										
	05	9846	22		09	12	24	80	5	02	2	2	5	7	7										
	08	9849	24		11	13	18	84	3	02	1	1	5	7	3	2									
	11	9855	30		14	10	08	84	2	01	1	1	0	9	7	2									
	14	9862	33		16	03	06	84	2	02	1	1	0	9	5	8									
	17	9871	32		19	05	05	84	2	02	1	1	0	8	5	8									
	20	9880	31		19	05	07	84	4	02	1	1	1	0	5	5									
	23	9892	22		13	12	13	84	1	01	1	0	0	9	0	8				13	30	423		33	21
02	02	9894	20		09	12	25	84	1	02	0	0	0	9	0	8									
	05	9894	19		07	12	25	84	7	03	1	1	0	9	3	5									
	08	9889	24		11	12	24	84	8	03	2	1	0	9	3	6									
	11	9886	30		15	10	16	84	6	01	2	1	0	9	3	6									
	14	9889	33		15	09	13	84	6	02	2	1	0	9	3	6									
	17	9893	32		19	03	06	84	1	01	1	1	0	9	3										
	20	9899	33		21	06	04	84	0	02	0	0													
	23	9915	25		15	13	11	84	0	02	0	0								13	35	342		34	19
03	02	9920	22		13	14	12	84	1	02	0	0	0	9	0	9									
	05	9914	21		08	13	20	84	1	02	0	0	0	9	0	8									
	08	9914	26		10	11	19	84	5	03	1	0	0	9	0	4									
	11	9906	30		16	11	19	84	7	03	1	0	0	9	0	4									
	14	9891	33		19	09	17	84	6	03	2	0	0	9	0	4									
	17	9879	30		21	08	20	82	6	03	2	1	6	2	0	7									
	20	9861	29		21	09	21	80	8	02	2	2	8	0	8	2									
	23	9839	27		17	11	35	80	7	02	2	7	0	8	2					11	48	310		33	19
04	02	9824	33		19	12	39	80	8	02	2	8	0	8	2										
	05	9814	23		19	12	40	32	8	38	3	8	5	6											
	08	9805	22		22	11	38	00	8	38	3	8	6	5											
	11	9806	25		24	11	42	00		38	3														
	14	9812	26		25	11	38	00		38	3														
	17	9819	28		24	11	38	58	8	38	3	8	6	5											
	20	9831	26		20	11	38	58	8	38	3	8	6	5											
	23	9840	25		20	11	37	58	8	38	3	8	6	5						11	56	736		28	22
05	02	9846	24		18	11	36	58	8	36	3	8	6	5											
	05	9847	25		18	11	36	58	8	36	3	8	6	5											
	08	9843	25		19	11	38	58	8	36	3	8	6	5											
	11	9842	27		18	11	31	74	8	36	3	8	6	5											
	14	9828	30		18	11	37	74	8	14	2	8	6	6											
	17	9829	30		19	11	31	74	8	14	2	8	6	6											
	20	9820	25		16	11	35	74	8	36	2	4	6	6	7										
	23	9815	23		17	12	39	58	8	38	3	6	6	6	2					11	54	943		30	23
06	02	9809	22		17	12	40	48	8	38	3	8	6	6											
	05	9804	23		17	12	42	02	8	38	3	8	0	8	2										
	08	9807	25		16	12	41	08	8	38	3	8	0	8	2										
	11	9811	26		18	12	37	48	8	36	3	5	6	6	7										
	14	9821	29		19	12	32	74	8	15	3	6	6	5	7										
	17	9827	28		19	11	32	66	8	71	7	8	6	5											
	20	9837	27		16	11	30	74	8	15	2	8	5	5	7										
	23	9849	26		16	11	28	74	8	36	2	8	5	7						11	58	929		29	22
07	02	9844	25		16	11	29	74	8	01	2	8	5	7											
	05	9840	24		13	12	26	74	8	02	2	6	5	7	7	2									
	08	9831	25		13	12	27	74	8	02	2	8	5	7	7										
	11	9820	28		17	11	26	74	8	15	2	8	5	7	7										
	14	9808	31		17	11	24	74	8	15	2	8	5	7	7										
	17	9797	31		17	10	18	74	7	15	2	7	5	7	7										
	20	9784	29		15	10	18	74	7	01	2	7	5	7	7										
	23	9772	27		12	12	17	80	5	01	1	4	5	7	0	1				11	38	774		31	24
08	02	9750	22		07	15	23	82	3	01	1	1	5	7	0	4									
	05	9726	21		04	15	23	84	1	01	1	0	0	9	0	1									
	08	9708	27		08	13	03	84	3	03	1	0	0	9	0	4									
	11	9693	28		10	23	05	84	2	01	1	0	0	9	0	4									
	14	9685	30		16	27	09	84	2	02	1	1	5	7	0	1									
	17	9682	30		15	27	07	84	1	02	0	1	5	7	7										
	20	9681	28		17	27	05	84	5	03	1	5	5	7	7										
	23	9694	25		15	27	07	84	6	02	1	6	5	7	7					16	36	475		31	20
09	02	9710	25		09	09	10	84	6	02	1	6	5	7	7										
	05	9728	23		08	11	13	84	2	01	1	2	5	7	7										
	08	9750	26		13	10	13	84	7	03	1	7	5	7	7										
	11	9776	28		15	09	15	82	8	02	2	8	5	7	7										
	14	9805	29		20	08	18	66	8	15	7	8	6	7	7										
	17	9821	29		21	09	17	74	8	70	7	8	6	7	7										
	20	9834	29		20	11	15	82	8	02	2	8	5	7	7										
	23	9846	27		17	12	17	82	8	02	2	8	5	7						08	25	205		29	23

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LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°× 10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°× 10	kt	St.miles	Points	°F	°F
10	02	9832	27		16	11	17	82	8	02	2	8	5	7											
	05	9834	27		15	11	25	80	7	02	2	8	5	8											
	08	9824	31		14	12	29	80	8	09	2	8	5	8											
	11	9805	33		17	11	24	80	8	02	2	8	5	7	2										
	14	9787	35		18	11	23	80	8	15	2	8	5	7	2										
	17	9772	33		19	12	23	80	8	15	2	8	5	7	2										
	20	9757	33		17	12	32	80	8	15	2	8	5	7	2										
	23	9754	33		14	13	27	80	8	15	2	8	6	7	2					11	44	499		35	27
11	02	9749	32		13	13	31	82	8	02	2	8	0	9	2										
	05	9741	31		12	13	32	82	7	01	2	8	0	9	2										
	08	9751	32		13	13	29	82	7	01	2	7	5	9	3										
	11	9750	33		14	13	25	80	7	14	1	5	5	7	3	4									
	14	9759	34		18	13	27	80	8	14	2	5	5	7	3										
	17	9762	33		20	13	27	80	8	14	2	6	5	7	3										
	20	9779	31		19	11	29	82	6	14	2	7	5	7	3										
	23	9793	29		16	12	29	82	7	02	2	7	5	7						13	45	651		34	29
12	02	9804	26		14	12	27	82	6	02	2	6	5	7											
	05	9813	27		15	12	30	84	8	02	2	6	5	7	3										
	08	9828	30		16	11	21	82	7	15	2	7	5	7											
	11	9843	33		22	09	14	82	7	15	2	5	5	7	3										
	14	9857	37		25	02	09	84	5	01	1	1	2	7	3	2									
	17	9866	33		26	23	09	84	3	01	1	1	2	7	3										
	20	9871	33		24	24	06	84	1	01	0	1	1	7											
	23	9878	31		25	00	00	84	2	02	0	1	5	6	0	2				13	42	655		37	25
13	02	9884	28		20	15	05	84	1	02	0	1	0	9	3										
	05	9883	28		18	00	00	84	0	02	0	0													
	08	9877	28		20	00	00	84	0	02	0	0													
	11	9867	35		21	06	04	84	2	02	1	2	0	9	3										
	14	9852	36		23	05	08	84	1	02	1	1	0	9	3										
	17	9834	35		25	07	06	84	2	02	1	1	1	5	3										
	20	9813	35		23	10	17	84	2	02	1	1	0	9	3										
	23	9815	27		16	10	25	84	2	02	1	2	0	9	3	8				11	32	148		37	25
14	02	9819	24		13	11	21	84	1	02	1	1	0	9	3										
	05	9821	29		16	11	16	84	6	03	1	6	0	9	3										
	08	9825	28		17	25	17	84	5	02	1	5	0	9	3										
	11	9823	29		20	24	05	84	0	01	1	0													
	14	9826	32		23	24	07	84	0	02	0	0													
	17	9827	32		25	27	05	84	2	03	0	0													
	20	9830	32		25	26	04	84	7	03	1	0	0	9	0	5									
	23	9835	29		28	28	04	84	4	03	1	0	1	5	0	6									
15	02	9845	26		20	14	11	84	5	03	1	0	0	9	0	6				13	31	286		33	24
	05	9859	26		14	12	17	84	8	03	1	1	0	9	0	6									
	08	9866	27		19	11	20	82	8	03	1	2	0	9	3										
	11	9873	33		20	10	12	82	8	02	2	2	5	7	3										
	14	9873	35		21	07	10	82	8	01	2	2	5	8	3										
	17	9868	35		25	04	11	82	7	01	1	1	5	6	3										
	20	9860	32		23	06	11	82	3	01	1	1	5	6	3	6									
	23	9855	26		20	12	14	80	1	02	1	1	5	6		1				13	37	193		36	25
16	02	9844	24		20	12	17	80	1	02	1	1	5	6											
	05	9834	24		16	12	17	82	7	03	2	1	5	7											
	08	9821	29		16	12	11	82	6	02	2	1	5	7											
	11	9813	33		17	08	10	84	3	01	1	3	5	8											
	14	9807	34		17	10	17	80	7	03	1	7	5	8											
	17	9805	34		17	08	10	80	5	15	2	6	8	6											
	20	9805	29		22	31	04	80	6	01	2	6	8	7											
	23	9806	27		19	13	09	82	1	01	2	1	5	7						13	26	294		35	22
17	02	9815	23		14	13	15	84	0	01	1	0													
	05	9817	23		09	12	29	84	1	02	0	1	0	9	3										
	08	9820	26		11	12	25	84	1	02	0	0	0	9	3										
	11	9839	30		15	13	22	84	0	02	0	0	0	9	3										
	14	9825	33		17	11	18	84	0	02	0	0	0	9	3										
	17	9831	34		18	10	16	84	2	02	0	1	0	9	3										
	20	9835	30		17	11	16	84	2	03	1	2	0	9	3										
	23	9840	27		16	12	17	82	7	03	2	7	5	7	3					11	41	366		34	21
18	02	9844	26		14	12	20	82	7	02	2	6	5	7	3										
	05	9844	27		14	13	16	84	7	02	2	7	5	7											
	08	9841	29		14	12	29	84	2	01	1	2	5	7											
	11	9842	32		17	12	22	84	0	02	1	0	0	9	3										
	14	9850	36		20	11	16	84	1	02	0	1	0	9	3										
	17	9849	37		17	10	10	84	1	02	0	1	0	9	3										
	20	9842	34		20	11	08	84	1	02	0	0	5	7	3										
	23	9835	27		13	13	15	84	1	02	0	0	5	7	3					11	39	449		37	24

Results of Surface Observations,
MAWSON – Dec., 1961

LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
19	02	9822	22		08	13	23	84	2	02	1	0	0	9	0	1									
	05	9810	22		07	13	23	84	6	03	2	1	0	9	2	2									
	08	9803	26		11	12	16	84	3	01	1	0	0	9	0	1									
	11	9798	31		15	09	11	84	1	02	1	0	0	9	0	1									
	14	9800	29		14	28	03	84	6	02	1	0	0	9	0	2									
	17	9794	33		18	09	04	84	2	01	1	0	0	9	0	1									
	20	9779	31		18	06	11	84	2	02	1	1	1	6	3										
	23	9763	25		16	12	18	84	2	03	1	2	0	9	3					13	37	407		34	21
20	02	9753	21		12	12	24	84	3	03	1	3	0	9	3										
	05	9743	22		10	12	26	84	1	02	1	1	8	6											
	08	9747	27		11	12	22	84	2	02	1	1	8	6	3										
	11	9755	31		19	11	21	84	2	02	1	1	8	6	5										
	14	9767	34		18	09	17	84	2	02	1	2	8	6											
	17	9778	34		19	05	06	84	7	03	1	7	5	7											
	20	9786	31		20	27	06	84	4	15	1	4	5	7											
	23	9796	28		19	14	15	84	1	02	1	0	0	9	0	1				13	38	364		34	20
21	02	9801	20		10	14	22	84	1	02	0	0	0	9	0	1									
	05	9800	21		11	14	21	84	0	02	0	0													
	08	9798	27		13	12	18	84	0	02	0	0													
	11	9802	32		16	13	14	84	0	02	0	0													
	14	9806	33		19	00	00	84	0	02	0	0													
	17	9811	32		19	27	05	84	0	02	0	0													
	20	9816	32		21	24	05	84	0	02	0	0													
	23	9828	31		23	04	04	84	0	02	0	0								14	31	351		35	19
22	02	9832	24		15	16	18	84	0	02	0	0													
	05	9831	25		13	14	17	84	0	02	0	0													
	08	9829	29		15	13	21	84	0	02	0	0													
	11	9832	33		18	13	20	84	0	02	0	0													
	14	9835	37		20	10	10	84	0	02	0	0													
	17	9842	38		20	09	09	84	1	02	0	1	1	6											
	20	9851	35		21	12	09	84	0	02	0	0													
	23	9863	27		15	15	21	84	0	02	0	0								15	34	255		38	21
23	02	9879	22		10	15	25	84	0	02	0	0													
	05	9888	22		10	15	29	84	1	02	0	1	5	6											
	08	9898	27		14	15	28	84	1	02	0	1	0	9	2										
	11	9905	36		20	14	11	84	0	02	0	0													
	14	9911	33		25	24	09	84	0	02	0	0													
	17	9909	34		26	27	09	84	2	03	0	0	0	9	0	1									
	20	9902	38		26	27	03	84	5	03	1	0	0	9	0	6									
	23	9895	31		21	14	17	84	3	02	1	0	0	9	5	0				15	42	400		38	22
24	02	9894	23		11	14	27	84	3	02	1	0	0	9	5										
	05	9888	26		13	14	24	84	2	02	1	2	0	9	5										
	08	9888	29		15	14	18	84	1	02	1	1	0	9	1										
	11	9890	36		15	11	17	84	1	02	1	1	0	9	7										
	14	9893	39		21	13	15	84	1	02	0	1	0	9	1										
	17	9893	39		22	11	12	84	1	02	0	1	0	9	1										
	20	9901	36		25	13	06	84	1	02	0	1	0	9	1										
	23	9912	31		18	13	15	84	1	02	0	1	0	9	1					15	39	306		39	23
25	02	9922	25		13	13	27	84	1	02	0	1	0	9	1										
	05	9922	26		13	13	29	84	1	02	0	1	0	9	1										
	08	9918	29		15	13	29	84	1	02	0	1	0	9	1										
	11	9914	33		20	11	26	84	2	02	0	1	0	9	0	1									
	14	9914	37		23	09	18	84	2	03	1	1	1	6	0	1									
	17	9906	37		23	09	21	84	2	02	1	1	1	6	0	1									
	20	9901	32		20	11	24	84	3	03	1	3	8	6											
	23	9902	31		20	11	19	84	5	03	1	5	5	7						13	38	497		38	24
26	02	9892	31		19	11	21	84	7	03	1	7	5	7											
	05	9875	31		16	13	24	84	3	01	1	2	5	7	0	5									
	08	9868	32		17	13	27	84	1	01	1	0	0	9	0	1									
	11	9859	35		21	11	21	84	0	01	1	0													
	14	9853	38		23	10	22	84	0	02	0	0													
	17	9852	37		22	11	24	84	1	02	0	0	0	9	0	1									
	20	9850	34		21	11	17	84	1	02	0	0	0	9	0	1									
	23	9851	30		18	13	22	84	0	02	0	0								13	42	483		38	29
27	02	9850	26		12	11	30	84	0	02	0	0													
	05	9848	25		11	12	28	84	1	02	0	1	5	6											
	08	9843	27		13	12	29	84	2	03	1	1	0	8	3	1									
	11	9839	32		19	12	24	84	1	02	1	1	5	7											
	14	9840	35		21	11	17	84	7	03	2	7	5	7											
	17	9840	35		22	09	14	84	7	02	2	6	5	7	7										
	20	9837	32		20	12	17	84	7	02	2	6	5	7	7										
	23	9838	29		18	12	22	84	7	02	2	6	5	7	7					13	42	595		35	24

Results of Surface Observations,
MAWSON — Dec., 1961

LOCAL STANDARD TIME			TEMPERATURES			SURFACE WIND																								
DAY	HOUR	STATION LEVEL PRESSURE	DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED	VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
												AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
28	02	9837	28		14	12	21	84	7	02	2	6	5	7	7										
	05	9827	27		14	13	19	84	7	02	2	7	5	7											
	08	9816	29		15	13	17	84	7	02	2	6	5	7	0	8									
	11	9808	32		17	11	20	84	7	02	2	2	0	8	3	1									
	14	9800	37		20	10	13	84	7	03	2	3	1	7	3	4									
	17	9789	36		19	09	12	84	7	03	2	5	1	7	3	4									
	20	9780	33		19	11	12	84	4	01	1	1	4	7	0	2									
	23	9777	27		16	13	20	84	4	02	1	1	4	7	0	2				13	32	470		37	25
29	02	9776	24		13	14	17	84	3	02	1	1	1	6	0	1									
	05	9767	23		11	15	25	84	2	02	0	0	0	9	0	1									
	08	9749	29		15	14	23	84	1	02	0	0	0	9	0	1									
	11	9739	33		19	12	22	84	2	02	1	1	5	6	0	1									
	14	9740	37		22	10	17	84	5	03	1	5	5	7											
	17	9742	36		23	09	12	84	7	15	2	7	5	7											
	20	9743	33		21	10	10	84	5	02	2	5	5	7											
	23	9734	31		21	11	17	84	7	02	2	7	5	7						15	38	426		39	23
30	02	9745	29		19	12	18	84	7	02	2	5	5	7	3										
	05	9738	27		14	13	22	84	7	02	2	7	5	7											
	08	9731	32		21	11	17	84	7	01	2	3	5	7	3										
	11	9724	35		24	11	18	84	7	02	2	3	5	7	3										
	14	9723	34		26	08	16	66	8	70	7	8	6	6											
	17	9716	34		30	05	08	56	7	70	7	5	6	5											
	20	9706	30		29	24	03	56	8	71	7	7	6	5											
	23	9698	30		26	12	11	74	7	01	7	4	6	6	3					13	31	434		36	27
31	02	9693	27		23	13	17	74	7	02	2	6	5	7											
	05	9685	26		18	11	25	84	7	02	2	5	5	7	7										
	08	9680	30		21	10	18	84	7	02	2	6	5	7	7										
	11	9675	32		22	11	25	80	7	02	2	7	5	7											
	14	9675	33		24	08	22	80	7	15	2	7	8	7											
	17	9686	32		23	08	20	80	7	15	2	6	8	6											
	20	9692	30		21	10	19	80	7	15	2	6	5	7	3										
	23	9704	28		19	11	15	80	7	15	2	7	5	7						11	39	342		35	26

Results of Surface Observations,
WILKES – JAN., 1961

LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
01	01	9771	33	30	24																				
	04	9786	31	30	29																				
	07	9785	31	31	29	00	00	16		71	7	8	6	2											
	10	9783	32	31	29	16	11	59	8	71	7	8	6	5	2										
	13	9778	32	31	30	19	09	08	9	73	7	8	6	0	4	2									
	16	9777	32	32	31	17	10	59	8	71	7	5	6	4	4	2									
	19	9785	33	32	30	14	03	61	8	71	7	5	6	4	2					09	35		0020	37	30
	22																								
02	01	9817	32	31	29	21	07	56	8	71	7	1	7	4	7										
	04	9814	31	30	28	36	03	66	8	02	7	2	7	4	7	2									
	07	9837	33	31	28	00	00	74	8	02	2	2	7	4	4	2									
	10	9834	31	30	28	18	06	74	8	02	2	2	7	4	4	2									
	13	9837	33	32	31	18	08	74	8	02	2	8	0	8	7	7									
	16	9838	33	32	30	17	04	59	8	71	7	8	0	7	4	2									
	19	9842	34	32	30	18	02	59	8	71	7	3	7	4	5	2									
	22	9858	31	30	28	24	05	48	8	73	7	8	0	5	2					18	12		0026	35	30
03	01	9869	32	30	28	18	08	58	8	71	7	3	7	4	2										
	04	9878	32	31	29	18	02	58	6	71	7	6	0	8	2										
	07	9887	33	32	30	00	00	74	7	01	7	5	0	8	7	2									
	10	9894	35	33	30	05	04	74	7	02	2	2	5	5	7	2									
	13	9909	38	35	31	16	02	74	6	01	2	6	0	8	3	0									
	16	9913	38	35	31	00	00	74	2	01	1	2	0	9	0	0									
	19	9908	34	32	29	04	02	74	1	01	1	1	5	5	0	0	2			15	12		0006	38	29
	22	9903	30	39	26	00	00	74	1	02	0	1	5	5	0	0	2								
04	01	9886	25	24	20	03	03	74	0	02	0	0	0	9	0	0	0								
	04	9867	27	25	20	15	04	74	0	02	0	0	0	9	0	0	0								
	07	9838	30	27	21	00	00	74	0	02	0	0	0	9	0	0	0								
	10	9822	32	28	20	36	01	74	0	02	0	0	0	9	0	0	0								
	13	9814	35	31	24	03	02	74	0	02	0	0	0	9	0	0	0								
	16	9796	36	32	25	32	02	74	0	02	0	0	0	9	0	0	0								
	19	9779	34	32	28	23	03	74	0	02	0	0	0	9	0	0	0			18	09		0000	39	25
	22	9772	31	29	26	33	02	74	0	02	0	0	0	9	0	0	0								
05	01	9776	25	23	15	09	10	74	0	02	0	0	0	9	0	0	0								
	04	9778	30	28	24	18	03	74	0	02	0	0	0	9	0	0	0								
	07	9788	28	27	24	16	08	74	0	02	0	0	0	9	0	0	0								
	10	9791	35	32	27	00	00	74	1	02	2	1	5	5	0	0	0								
	13	9803	34	30	25	00	00	74	1	02	2	1	5	5	0	0	0								
	16	9815	33	30	25	32	02	74	6	03	1	6	1	4	0	0	0								
	19	9826	32	30	26	09	02	74	2	01	1	2	1	0	5	0	0			09	25		0000	36	24
	22	9828	29	26	18	07	16	74	1	03	0	1	0	9	3	0	0								
06	01	9834	30	28	23	09	18	74	8	03	1	6	5	7	7										
	04	9835	31	28	22	09	25	74	8	02	2	6	5	5	7										
	07	9839	33	31	28	09	22	74	8	02	2	2	5	5	7	4									
	10	9838	34	30	23	19	13	74	8	02	2	3	5	5	4	3									
	13	9820	40	34	25	21	06	74	6	02	2	4	8	7	4	7	1								
	16	9797	36	31	23	09	30	70	8	02	2	3	7	4	4	7	8								
	19	9774	37	31	22	09	38	69	7	02	2	2	7	4	4	7	0			09	60		0000	41	28
	22	9757	35	33	29	09	45	66	8	77	2	2	7	4	4	7	0								
07	01	9753	34	32	30	09	42	66	8	02	2	5	7	4	7										
	04	9760	35	31	24	09	39	66	7	02	2	6	5	5	7	7	0								
	07	9777	35	32	27	09	37	74	7	02	2	4	7	5	5	0	0								
	10	9777	37	32	24	09	34	74	7	02	2	4	7	5	5	0	8								
	13	9784	37	32	23	09	30	69	7	02	2	6	7	5	5	0	0								
	16	9806	37	33	25	09	24	62	7	02	2	7	8	5	5	0	0								
	19	9813	36	32	27	09	13	66	7	02	2	6	5	6	5	0	0			09	60		0000	40	34
	22	9825	36	32	25	36	03	74	8	02	2	2	7	5	5	9	0								
08	01	9842	36	32	25	03	08	74	8	02	2	5	5	5	7										
	04	9852	32	30	26	18	12	74	8	02	2	2	5	5	7	0									
	07	9867	35	32	27	18	09	66	7	70	7	7	6	5	0		0								
	10	9879	35	34	32	00	00	16	8	71	7	8	6	4											
	13	9881	36	33	29	16	08	74	6	01	7	5	0	9	3		8								
	16	9890	36	34	30	31	03	74	6	15	2	2	5	5	7	0	0								
	19	9897	35	33	30	36	04	74	6	02	2	6	5	6	0	0	0			17	18		0000		
	22	9908	34	33	31	00	00	66	7	86	6	7	5	6	0		0								
09	01	9911	34	32	29	15	11	66	7	22	7	7	5	6	0		0								
	04	9919	34	31	25	00	00	74	7	02	2	6	0	8	0		0								
	07	9918	34	31	24	02	04	74	6	02	2	2	0	9	7		0								
	10	9914	34	28	13	33	04	74	2	01	1	1	0	9	3		0								
	13	9910	34	32	28	04	11	74	1	02	1	1	0	9	3		0								
	16	9907	34	32	27	03	10	74	6	03	1	2	0	9	3		0								
	19	9901	34	32	29	03	08	74	7	02	2	7	5	5	0		0			23	16		0000	36	31
	22	9901	33	31	27	36	03	74	7	02	2	7	5	5	0		0								

Results of Surface Observations,
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LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°× 10	kt	VV	Oktas	ww	w	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°× 10	kt	St.miles	Points	°F	°F
10	01	9900	31	30	28	34	04	74	7	02	2	7	8	5	0	0									
	04	9900	30	29	26	02	06	74	7	01	2	6	8	5	2	0									
	07	9894	30	28	24	03	07	74	8	02	2	8	5	5											
	10	9894	31	30	29	20	06	66	7	01	2	7	5	5	0	0									
	13	9892	31	29	27	24	02	66	8	03	2	8	5	5											
	16	9880	31	29	25	24	04	74	8	02	2	7	8	5	0	0									
	19	9876	31	29	25	27	02	66	7	02	2	8	5	5	0	0									
	22	9883	29	29	23	36	04	74	8	02	2	8	5	5						09	14		0000	34	27
11	01	9887	28	27	25	35	02	74	8	02	2	8	5	5											
	04	9886	29	27	24	19	11	74	8	02	2	8	5	5											
	07	9890	30	28	23	00	00	74	8	02	2	8	5	5											
	10	9890	33	28	18	06	04	74	7	02	2	4	5	4	0	2									
	13	9891	32	27	19	03	04	74	8	02	2	5	8	5	0	0									
	16	9889	33	29	21	35	03	74	7	01	2	5	7	4	0	8									
	19	9889	30	26	19	02	06	74	7	02	2	5	8	5	0	1									
	22	9889	30	27	21	03	05	74	7	02	2	1	1	3	7	8				21	14		0000	36	27
12	01	9889	28	25	19	00	00	74	7	01	2	1	1	5	7	8									
	04	9889	27	25	19	07	12	74	7	02	2	1	2	5	7	8									
	07	9891	30	25	15	06	15	74	7	02	2	1	1	5	7	0									
	10	9892	33	30	26	27	05	74	7	02	2	1	1	5	7	1									
	13	9885	34	30	22	18	03	74	7	02	2	1	1	5	7	1									
	16	9881	34	32	29	30	05	74	8	03	2	3	8	4	2	1									
	19	9879	32	32	32	00	00	74	8	02	2	1	5	5	0	8									
	22	9877	31	27	21	09	16	74	8	02	2	2	5	6	0	8				90	34		0000	34	26
13	01	9861	32	29	24	09	26	66	8	02	2	3	8	3	2										
	04	9859	32	29	23	09	28	74	8	01	2	6	0	3	2	8									
	07	9866	33	29	22	10	22	74	8	03	2	3	5	5	2	8									
	10	9869	33	31	27	09	20	74	8	03	2	7	5	5	2										
	13	9870	34	31	26	08	17	74	8	02	2	8	5	5	2										
	16	9876	34	31	26	30	06	74	8	02	2	3	5	5	2										
	19	9878	31	29	25	30	06	74	8	02	2	6	5	5	4										
	22	9880	31	29	25	00	00	74	8	02	2	6	5	5	4					10	40		0000	36	28
14	01	9867	31	28	23	09	22	74	8	02	2	4	5	5	2										
	04	9859	31	28	22	09	26	74	8	01	2	1	5	5	2										
	07	9853	32	28	26	08	32	74	8	03	2	7	5	6	7										
	10	9834	33	30	24	08	30	74	8	50	1	7	5	6	7										
	13	9817	35	33	30	09	30	74	7	02	2	5	8	5	4	1									
	16	9801	34	33	29	09	30	74	8	02	2	3	5	5	2										
	19	9768	34	32	29	09	38	74	8	02	2	4	5	7	2	0									
	22	9766	33	32	30	09	42	74	8	03	2	5	8	5	4					09	55		0000	35	29
15	01	9792	33	30	25	11	04	74	7	01	2	4	8	5	4										
	04	9791	33	29	22	16	04	74	7	02	2	3	8	5	2	0									
	07	9790	35	31	22	12	16	74	8	03	2	6	8	5	2	0									
	10	9789	33	30	25	16	07	74	8	02	2	7	8	6	2										
	13	9777	37	33	25	05	03	74	8	02	2	6	6	4	2										
	16	9766	35	34	32	09	18	74	8	02	2	6	5	5	2										
	19	9776	32	31	31	09	18	64	8	02	2	8	6	5	2										
	22																			11	44		0000	38	30
16	01	9762	32	30	27	09	14	66	8	02	2	8	6	5											
	04	9770	32	29	24	00	00	74	8	02	2	8	6	5											
	07	9780	29	29	27	16	08	62	8	71	2	8	6	5											
	10	9780	35	31	25	28	02	66	8	01	2	8	6	5											
	13	9784	33	29	24	31	10	62	8	03	2	8	0	8	1	0									
	16	9787	34	29	22	34	10	62	8	02	2	8	0	8	1	0									
	19	9804	32	29	26	09	14	62	8	03	2	8	8	5	2	0									
	22	9817	30	28	25	09	17	74	8	02	2	7	5	7	2					09	27		0000	35	28
17	01	9827	31	30	28	09	12	74	8	02	2	8	5	5	4	2									
	04	9848	30	29	29	00	00	58	8	73	7	8	6	5	4										
	07	9863	30	30	28	18	06	58	8	73	7	8	6	5	4										
	10	9873	32	29	28	11	05	74	7	01	2	3	5	5	6	2	0								
	13	9883	32	31	25	16	06	69	7	02	2	6	5	5	6	2									
	16	9891	32	29	25	16	07	69	7	02	2	5	5	6	6	2									
	19	9902	32	29	29	00	00	74	7	02	2	5	5	7	3	0									
	22	9913	30	31	25	00	00	74	7	02	2	1	5	4	7					18	16		0002	34	28
18	01	9926	30	29	28	00	00	74	7	02	2	7	5	6	0	0									
	04	9937	30	27	24	00	00	74	8	02	2	8	5	6											
	07	9946	31	29	26	29	01	74	8	02	2	3	5	6											
	10	9945	32	30	22	00	00	74	8	02	2	3	4	6	2										
	13	9943	33	30	26	00	00	74	7	02	2	5	5	6	2										
	16	9939	33	30	26	00	00	74	7	02	2	5	5	6	2	0									
	19	9932	31	29	26	00	00	74	7	02	2	1	5	4	3	0									
	22	9928	30	28	25	00	00	74	6	01	2	1	5	3	3	0				00	00		0000	35	28

Results of Surface Observations,
WILKES – JAN., 1961

LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
19	01	9922	29	29	29	36	03	74	7	02	2	7	5	6	0	0									
	04	9921	33	27	33	35	04	08		45	4	8		2											
	07	9918	27	27	27	36	01	04		45	4	8		2											
	10	9918	28	28	28	04	04	24	8	70	4	8	6	2											
	13	9920	29	28	26	34	03	61	8	70	4	8	6	4											
	16	9915	32	29	23	36	03	69	8	02	2	8	5	5	2										
	19	9915	30	28	25	01	12	74	7	01	2	2	5	5	3										
	22	9913	30	28	24	00	00	74	7	02	2	2	5	5	3					02	16		0000	33	27
20	01	9901	30	29	29	15	08	66	8	02	2	8	5	5											
	04	9897	29	28	28	16	04	74	7	02	2	3	6	5	3	0									
	07	9897	31	30	26	27	02	74	7	03	2	6	6	5	3	0									
	10	9897	32	30	26	24	01	74	3	01	2	3	0	9	3	0									
	13	9902	33	31	30	29	04	74	2	02	2	1	1	4	0	8									
	16	9902	34	31	28	32	03	74	2	02	2	2	5	5	7	0									
	19	9919	33	29	22	24	09	74	2	03	2	2	5	4	0	0									
	22	9915	31	28	23	27	06	74	2	02	2	2	5	4	0	0				27	08		0000	36	29
21	01	9921	28	27	25	32	05	74	7	02	2	7	5	5	0	0									
	04	9926	28	27	27	36	05	74	7	02	2	7	5	2	0	0									
	07	9925	27	25	21	32	10	74	4	01	2	4	4	5	0	0									
	10	9932	29	26	18	34	06	74	4	03	1	5	5	5											
	13	9940	28	25	22	04	07	74	8	03	2	8	5	5											
	16	9937	28	26	23	04	07	74	7	02	2	8	8	5	0	0									
	19	9929	28	26	23	33	05	74	3	01	2	2	5	4	0	1									
	22	9927	28	25	22	02	09	74	3	02	2	2	5	4	0	1				00	18		0000	33	25
22	01	9901	28	27	25	03	12	74	7	02	1	6	5	5	0	0									
	04	9915	25	23	19	10	18	74	6	02	2	6	5	5	0	0									
	07	9903	30	26	17	05	02	74	7	02	2	7	5	6	0	0									
	10	9882	31	27	21	09	15	74	7	02	1	7	5	6	0	0									
	13	9873	33	30	26	21	09	74	7	02	2	6	5	5	1	0									
	16	9856	33	30	24	21	07	74	6	01	2	2	1	5	2	1									
	19	9822	33	31	28	27	04	74	5	02	1	1	0	9	8	6									
	22	9807	27	23	17	04	07	74	1	01	1	0	0	9	0	1				90	22		0000	36	25
23	01	9827	24	22	18	03	10	74	1	02	0	1	1	5	0	0									
	04	9827	25	23	16	15	04	74	1	02	0	1	1	5	0	0									
	07	9811	26	25	22	02	02	74	0	02	0	0	0	9	0	0									
	10	9791	32	28	21	16	03	74	1	03	0	1	1	5	0	0									
	13	9783	33	28	18	01	12	74	1	03	0	1	0	9	5	0									
	16	9783	33	29	21	15	07	74	7	03	1	7	5	6	0	0									
	19	9792	33	29	21	14	05	74	7	02	2	7	5	6	0	0									
	22	9799	32	29	23	07	05	74	6	02	2	6	5	6	0	0				02	16		0000	36	23
24	01	9819	30	26	19	30	06	74	7	02	2	7	5	5	0	0									
	04	9827	30	26	19	36	05	74	6	02	2	6	0	9	3	0									
	07	9844	32	29	24	34	05	74	6	02	2	1	4	5	3	0									
	10	9856	34	30	25	18	05	74	6	02	2	1	1	5	3	8									
	13	9866	34	30	23	20	09	74	8	02	2	3	0	9	3	7									
	16	9869	34	29	22	30	03	74	8	02	2	6	0	9	3	7									
	19	9876	32	29	24	33	05	74	8	03	2	6	0	9	3	7									
	22	9886	31	28	24	02	05	74	8	03	2	8	0	9	7					20	11		0000	34	30
25	01	9892	30	29	28	36	04	74	8	02	2	8	0	9	7										
	04	9899	29	28	26	00	00	70	8	02	2	8	0	9	7										
	07	9897	29	28	27	13	10	74	8	02	2	8	5	5											
	10	9894	29	29	29	17	10	32	8	73	7	8	6	4											
	13	9885	30	29	26	17	10	66	3	03	7	1	5	5	0	1									
	16	9876	30	29	26	16	10	74	2	03	0	2	0	9	3	0									
	19	9861	30	29	26	03	07	74	4	02	2	4	5	6	0	0									
	22	9856	30	29	26	02	05	74	7	02	2	4	5	6	2	0				16	16		0000	34	27
26	01	9841	28	27	25	09	16	74	7	03	2	7	5	5											
	04	9833	28	26	21	09	09	74	3	01	2	3	5	5	0	0									
	07	9820	30	30	30	10	10	74	7	02	2	7	5	5	7	0									
	10	9809	33	33	30	05	10	74	7	02	2	6	5	5	7	0									
	13	9799	34	30	22	09	10	74	8	03	2	8	5	5											
	16	9778	33	33	33	09	30	74	8	02	2	8	5	5											
	19	9767	32	31	27	11	25	74	8	02	2	8	5	5											
	22	9742	32	31	27	11	34	69	8	02	2	8	5	5						11	54		0000	35	25
27	01	9729	31	29	27	11	37	74	8	03	2	8	5	5											
	04	9709	29	26	24	11	43	74	8	02	2	8	5	5											
	07	9666	30	30	30	10	50	74	8	02	2	8	5	5											
	10	9614	32	29	24	11	50	48	8	02	2	8	6	4											
	13	9580	32	29	23	11	50	61	8	02	2	8	6	5											
	16	9555	32	30	27	08	38	62	8	02	2	8	6	5											
	19	9568	32	30	27	07	32	67	8	02	2	8	6	5											
	22	9606	32	29	24	09	21	74	8	02	2	8	6	5						11	68		0000	33	30

Results of Surface Observations,
WILKES – JAN., 1961

LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	w	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
28	01	9614	32	32	31	06	30	48	8	72	2	8	7	4											
	04	9622	33	33	33	06	34	58	8	72	7	8	7	5											
	07	9660	33	33	33	05	28	58	8	73	7	8	6	4											
	10	9695	33	33	32	05	24	58	8	73	7	8	6	4											
	13	9731	33	33	33	05	26	10	8	73	7	8	6	4											
	16	9760	33	33	33	05	26	10	8	73	7	8	6	4											
	19	9819	32	32	31	04	19	16	8	71	7	8	6	4											
	22	9861	32	31	30	04	15	16	8	71	7	8	6	4						05	48		0000	35	31
29	01	9898	31	31	31	05	11	16	8	71	7	8	7	2											
	04	9925	31	31	31	05	07	16	8	72	7	8	7	2											
	07	9948	32	32	31	02	05	58	8	02	2	8	6	4											
	10	9960	34	33	31	05	08	62	8	02	2	7	5	5	2										
	13	9971	35	33	30	21	01	66	8	02	2	6	5	5	2										
	16	9974	37	34	30	00	00	74	7	01	2	6	5	6	2	0									
	19	9968	34	32	29	18	07	74	8	02	2	7	5	7	2										
	22	9952	33	32	31	18	05	74	5	01	2	5	5	7	0	0				04	18		0023	38	31
30	01	9908	31	27	20	17	10	69	5	02	2	1	5	6	1	0									
	04	9874	30	26	19	00	00	74	5	02	2	3	0	9	1	1									
	07	9858	38	34	28	06	10	74	3	01	2	1	0	9	2	5									
	10	9844	37	33	29	21	04	74	7	03	2	5	0	9	7	6									
	13	9818	35	33	29	22	02	74	8	02	2	8	5	6											
	16	9797	34	30	28	00	00	74	8	02	2	8	5	6											
	19	9780	32	30	26	05	03	74	8	02	2	8	5	6											
	22	9766	34	29	20	05	07	74	8	02	2	0	0	9	7					09	23		0023	38	31
31	01	9756	29	26	21	04	15	69	8	02	2	8	5	6											
	04	9758	28	26	23	04	10	69	8	02	2	8	0	9	7										
	07	9768	32	29	22	05	16	74	8	02	2	1	5	5	2										
	10	9785	31	28	21	04	15	74	6	02	2	0	0	9	0	9									
	13	9820	31	27	22	05	18	74	7	02	2	6	5	6	0	8									
	16	9824	30	29	28	06	16	74	7	02	2	6	5	6	7	0									
	19	9835	29	26	20	08	17	74	7	02	2	6	5	5	7	0									
	22	9853	29	26	20	08	18	74	8	03	2	8	5	5						07	25		0000	32	27

Results of Surface Observations,
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LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°× 10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°× 10	kt	St. miles	Points	°F	°F
01	01	9862	27	24	18	07	18	74	8	03	2	8	5	6											
	04	9868	27	24	18	08	15	74	8	02	2	8	5	6											
	07	9848	27	22	13	09	15	74	8	02	2	5	5	6	2										
	10	9866	26	24	21	09	40	74	8	02	2	6	5	6	2										
	13	9860	24	23	20	09	58	00	8	39	3	8	6	4											
	16	9608	23	23	21	11	40	56	8	36	3	8	6	4											
	19	9541	25	25	24	09	60	00		39	3														
	22	9581	27	27	26	11	40	00		39	3									09	82		0000	29	23
02	01	9597	29	28	27	09	36	48	8	38	3	8	5	6	7										
	04	9614	29	27	22	09	30	61	6	01	3	5	5	6	1	0									
	07	9624	32	30	27	09	35	74	6	36	3	2	5	6	7	0									
	10	9625	35	33	31	09	30	74	6	02	2	5	5	7	7	0									
	13	9662	36	34	31	05	22	03	8	02	2	5	5	7	7	0									
	16	9691	33	31	29	03	12	59	8	73	3	8	6	4											
	19	9720	32	31	29	04	11	59	8	73	7	8	6	4											
	22	9745	31	30	29	07	14	74	8	02	2	3	5	5	2					09	43		0000	36	28
03	01	9760	32	29	24	07	15	61	8	03	2	8	5	6											
	04	9774	31	27	21	08	18	66	6	02	2	5	5	6	7	0									
	07	9777	34	31	25	09	20	74	7	03	2	5	5	6	7	0									
	10	9782	36	32	25	09	10	74	8	03	2	8	5	6											
	13	9760	36	34	32	09	35	74	8	02	2	8	5	5											
	16	9755	34	34	33	09	38	66	8	02	2	8	5	5											
	19	9762	34	31	27	11	35	66	7	02	2	6	8	4	2	0									
	22	9784	35	32	28	21	06	66	7	02	2	7	8	4	0	0				09	55		0002	37	30
04	01	9776	33	30	26	11	28	61	8	03	2	8	5	6											
	04	9797	35	32	27	19	05	64	8	02	2	6	5	5	7										
	07	9810	30	27	24	17	19	74	8	03	2	7	5	6	2										
	10	9800	31	29	26	17	20	74	7	01	2	6	5	6	4	0									
	13	9788	39	35	30	05	05	74	3	01	0	3	0	9	0	6									
	16	9788	38	33	24	18	05	74	4	01	0	3	4	5	0	1									
	19	9790	35	31	24	21	05	74	6	03	2	6	4	6	0	0									
	22	9790	34	31	24	09	09	74	6	02	2	6	8	5	0	0				10	55	287	0000	39	27
05	01	9808	31	31	30	32	03	48	8	71	7	8	7	4											
	04	9835	33	31	26	15	07	62	8	02	2	8	5	7											
	07	9849	33	31	28	21	04	66	8	03	3	8	5	5											
	10	9858	33	31	28	22	02	74	7	02	2	7	5	5											
	13	9868	33	31	28	16	08	74	8	02	2	8	6	5											
	16	9871	34	33	31	16	06	74	3	02	7	0	5	9	0	6									
	19	9879	32	30	27	00	00	74	4	02	1	2	5	6	0	6									
	22	9888	33	30	26	07	10	74	6	03	1	6	5	6	0	0				10	13	163	0000	36	31
06	01	9901	32	29	25	02	05	74	7	03	2	7	5	6											
	04	9918	32	29	24	18	04	74	8	02	2	8	5	5											
	07	9931	32	28	23	15	04	74	6	02	2	6	5	6	0	0									
	10	9929	35	31	26	17	08	74	3	02	2	3	0	9	3	0									
	13	9934	37	33	27	01	05	74	6	02	2	6	0	9	1	0									
	16	9950	34	32	29	04	05	74	2	01	2	2	0	9	1	0									
	19	9959	32	31	28	03	12	74	2	00	0	1	6	4	7	0									
	22	9969	30	28	24	05	10	74	7	03	1	7	5	4						03	17	176	0000	38	31
07	01	9977	26	23	18	09	06	74	6	02	2	2	5	5	0	6									
	04	9979	26	24	19	10	06	74	6	02	2	4	0	8	5	4									
	07	9984	31	27	20	03	03	74	6	02	2	6	0	9	2	1									
	10	9984	31	29	26	03	08	74	6	02	2	6	0	9	3	0									
	13	9983	32	29	24	02	05	74	6	02	2	6	0	9	3	0									
	16	9980	32	30	26	05	05	74	6	03	2	3	5	5	7	0									
	19	9977	30	29	27	36	03	74	7	02	2	7	5	5											
	22	9976	29	28	26	27	04	74	7	02	2	7	5	5						03	10	125	0000	34	25
08	01	9974	29	27	25	15	03	74	8	03	2	8	5	5											
	04	9970	30	29	27	07	03	58	8	71	2	8	6	5											
	07	9967	28	27	27	05	05	57	8	71	7	8	5	5											
	10	9961	31	28	23	04	05	69	8	02	2	8	5	6											
	13	9958	29	27	25	02	03	69	8	02	2	8	5	6											
	16	9950	32	29	25	07	02	69	8	02	2	8	5	6											
	19	9946	31	29	26	08	02	69	8	02	2	8	5	6											
	22	9949	30	29	25	09	18	70	8	02	2	8	5	5						09	27	217	0000	32	27
09	01	9961	30	28	24	09	16	70	8	02	2	8	5	5											
	04	9972	33	28	18	12	10	74	8	03	2	4	5	6	2										
	07	9975	31	28	23	10	21	74	8	02	2	4	5	6	7										
	10	9980	31	29	27	09	22	74	8	03	2	8	5	6											
	13	9981	32	29	25	09	23	74	8	03	2	8	5	5											
	16	9973	30	28	25	09	27	74	8	02	2	8	5	5											
	19	9954	30	27	22	09	28	74	8	02	2	8	5	5											
	22	9928	30	27	23	09	37	66	8	02	2	8	5	5						09	48	647	0000	32	28

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LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
10	01	9902	29	27	25	09	40	66	8	02	2	8	5	5											
	04	9883	27	26	24	11	45	62	8	38	3	8	8	4											
	07	9871	28	26	22	09	46	58	8	36	2	8	5	4											
	10	9850	30	28	25	10	42	58	8	02	3	8	5	4											
	13	9854	30	29	27	09	40	54	8	38	3	8	5	4											
	16	9865	32	30	26	09	44	63	8	02	3	8	5	4											
	19	9891	30	29	26	09	40	63	8	02	2	8	5	5											
	22	9894	30	28	26	09	36	63	8	02	2	8	5	5						09	73	1408	0000	34	27
11	01	9897	30	28	25	09	35	63	8	02	2	8	5	5											
	04	9897	30	28	25	09	33	70	8	02	2	8	6	5											
	07	9902	30	29	24	09	26	69	8	02	2	8	5	5											
	10	9908	33	31	28	09	22	74	8	02	2	8	5	5											
	13	9909	35	31	26	09	18	74	8	02	2	8	5	4											
	16	9914	34	32	30	12	12	74	8	02	2	8	5	4											
	19	9922	34	32	30	08	18	61	8	02	2	8	6	4											
	22	9926	32	31	30	08	18	57	8	71	7	8	6	4						09	45	666	0000	36	29
12	01	9936	32	31	29	07	16	66	7	01	7	7	5	5											
	04	9943	33	31	27	07	15	66	8	02	2	8	6	5											
	07	9949	33	31	28	06	15	58	8	71	7	8	7	5											
	10	9949	32	31	30	03	12	58	8	71	7	8	7	5											
	13	9956	32	31	29	22	02	63	8	70	2	8	5	2											
	16	9952	32	31	29	29	03	63	8	02	7	8	5	2											
	19	9945	30	29	26	20	05	74	7	02	2	6	5	5	7	0									
	22	9932	28	27	26	22	04	74	7	02	2	6	5	5	7	0				07	20	245	0002	34	29
13	01	9916	24	23	21	00	00	74	1	01	1	0	0	9	0	1									
	04	9909	23	22	19	07	05	74	2	02	0	1	0	9	7	1									
	07	9916	29	26	20	00	00	74	5	03	1	1	4	6	7	0									
	10	9920	28	26	22	18	03	74	6	03	2	6	0	9	5	0									
	13	9926	32	26	15	32	02	74	1	02	2	1	5	5	0	0									
	16	9922	30	26	18	15	05	74	1	02	2	1	5	5	0	0									
	19	9893	28	25	20	09	11	74	6	03	0	6	5	5	0	0									
	22	9865	22	22	22	09	32	74	7	36	3	7	5	5	0	0				90	39	264	0000	34	22
14	01	9803	26	25	22	09	34	57	8	36	3	8	5	4											
	04	9769	25	24	21	09	40	57	8	36	3	8	5	4											
	07	9773	27	27	23	12	30	66	8	36	3	8	5	5											
	10	9789	31	28	23	18	12	74	7	01	2	3	5	5	7										
	13	9803	30	28	24	12	05	74	7	22	7	5	5	5	7										
	16	9817	30	28	25	34	07	74	7	02	2	7	5	5											
	19	9835	29	27	25	07	05	74	7	02	2	7	5	5											
	22	9863	28	26	24	30	09	74	7	02	2	7	5	5						11	50	457	0000	33	21
15	01	9882	28	27	25	32	10	74	3	01	1	3	0	8	7	0									
	04	9891	27	26	24	32	10	74	3	00	0	3	0	8	7	0									
	07	9899	26	25	24	10	11	74	8	03	1	8	5	6											
	10	9911	25	23	20	31	08	74	6	01	2	6	4	6	0	0									
	13	9920	24	22	17	29	12	74	4	02	2	4	8	5	0	0									
	16	9930	22	20	16	29	14	74	6	02	2	6	5	5	0	0									
	19	9926	23	21	17	28	14	74	7	03	2	7	5	5											
	22	9919	22	21	19	26	06	74	7	02	2	7	5	5						29	20	296	0000	28	19
16	01	9931	19	18	15	19	09	74	0	02	0	0	0	9	0	0									
	04	9951	15	14	12	18	15	74	0	02	0	0	0	9	0	0									
	07	9974	15	14	11	18	18	74	0	02	0	0	0	9	0	0									
	10	9990	17	15	10	18	17	74	0	02	0	0	0	9	0	0									
	13	9992	21	19	14	18	17	74	1	02	1	1	0	9	1	0									
	16	9997	22	20	15	18	19	74	8	03	2	5	0	9	1	1									
	19	9993	22	19	16	17	07	74	4	01	2	2	0	9	7	1									
	22	9987	23	20	15	21	02	74	3	01	2	1	0	9	4	1				18	26	382	0000	29	13
17	01	9991	20	19	15	18	06	74	6	02	1	6	0	9	7	0									
	04	10002	20	18	13	18	10	74	6	02	2	6	0	9	7	0									
	07	10006	17	15	10	17	12	74	7	02	2	7	0	9	7										
	10	10004	19	17	12	17	09	74	7	02	2	7	0	9	7										
	13	9990	22	20	14	15	07	74	8	02	2	6	0	9	3	7									
	16	9983	22	20	15	15	07	74	1	01	2	1	0	9	3	0									
	19	9973	22	19	14	15	05	74	0	01	2	0	0	9	0	0									
	22	9971	16	14	10	18	06	74	0	02	0	0	0	9	0	0				16	20		0000	27	12
18	01	9982	17	14	02	17	12	74	0	02	0	0	0	9	0	0									
	04	9990	13	11	06	18	20	74	0	02	0	0	0	9	0	0									
	07	10004	14	13	07	19	24	74	0	02	0	0	0	9	0	0									
	10	10000	15	13	08	18	32	74	0	02	0	0	0	9	0	0									
	13	9998	19	17	11	18	27	74	1	02	1	1	0	9	7	0									
	16	10005	22	21	15	18	24	74	1	02	1	1	0	9	0	6									
	19	9996	21	18	12	18	15	74	2	03	2	2	0	9	4	0									
	22	10005	20	17	12	06	19	74	1	01	0	1	0	9	4	0				18	36		0000	25	11

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LOCAL STANDARD TIME			TEMPERATURES			SURFACE WIND						LOW CLOUD					DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST				EXTREME TEMPERATURES	
DAY	HOUR	STATION LEVEL PRESSURE	DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED	VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	AMOUNT	TYPE	BASE	MIDDLE CLOUD	HIGH CLOUD	LOW	MIDDLE	HIGH	DIRECTION	SPEED	ANEMOMETER WIND RUN	PRECIPITATION	MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
19	01	10017	20	17	12	00	00	74	1	02	0	0	0	9	0	1									
	04	10032	22	18	06	00	00	74	6	03	1	0	0	9	0	6									
	07	10041	24	20	10	05	07	74	7	02	3	0	0	9	0	6									
	10	10031	29	25	17	00	00	74	8	03	3	8	0	9	2										
	13	10033	29	25	18	18	04	74	8	02	3	8	0	9	2										
	16	10033	28	24	15	03	12	74	8	02	3	8	0	9	2										
	19	10054	26	25	25	00	00	74	8	02	3	8	5	5											
	22	10055	25	23	18	00	00	74	8	02	3	8	5	5						18	10		0000	29	16
20	01	10061	26	24	20	17	05	74	8	02	3	8	5	5											
	04	10050	32	26	16	06	17	74	8	02	3	8	5	5											
	07	10071	28	26	22	08	22	74	8	02	3	8	5	5											
	10	10074	31	28	23	09	26	74	8	02	3	8	5	5											
	13	10090	32	29	23	09	18	74	8	02	3	8	5	5											
	16	10104	33	30	24	09	16	74	8	02	3	8	5	5											
	19	10124	33	30	25	30	05	74	8	02	3	8	5	7											
	22	10130	30	29	28	00	00	61	8	02	3	8	5	6						09	40		0000	34	23
21	01	10137	30	27	23	22	01	74	8	02	3	8	5	6											
	04	10145	28	28	28	18	03	66	8	70	7	8	7	5											
	07	10139	28	27	27	18	06	74	8	02	3	8	5	5											
	10	10131	30	29	27	18	05	74	8	02	3	8	0	9	1										
	13	10133	32	30	28	00	00	74	8	02	7	8	0	8	2										
	16	10140	29	28	27	21	04	56	8	71	7	8	6	5											
	19	10135	29	29	28	00	00	48	8	71	7	8	6	4											
	22	10128	28	28	28	00	00	57	8	71	7	8	6	5						16	07		0000	34	26
22	01	10122	29	28	26	18	03	66	8	02	2	8	6	5											
	04	10117	30	28	25	00	00	74	8	02	2	8	5	5											
	07	10112	31	28	23	00	00	74	8	02	2	8	5	5											
	10	10101	32	30	27	19	04	74	8	02	2	8	5	6											
	13	10089	31	28	24	03	05	74	8	02	2	8	5	6											
	16	10082	29	26	21	00	00	74	8	02	2	8	5	6											
	19	10063	27	26	25	00	00	48	8	71	7	8	6	4											
	22	10050	28	27	26	00	00	66	8	70	7	8	5	5						36	08		0004	33	27
23	01	10035	27	26	25	00	00	63	8	02	7	8	5	5											
	04	10018	28	27	26	33	04	48	8	16	2	8	6	3											
	07	10007	28	27	26	33	05	74	8	02	2	8	5	4											
	10	9984	26	25	22	35	10	74	8	02	2	8	5	5											
	13	9964	27	26	26	36	10	66	8	02	2	8	5	5											
	16	9948	28	27	24	35	08	74	7	01	2	6	4	5	0	1									
	19	9942	28	26	23	31	10	74	6	02	2	6	5	5	0	0									
	22	9938	26	25	23	31	06	74	8	02	2	8	5	5						34	16		0000	30	27
24	01	9932	26	24	21	33	10	74	8	02	2	8	5	5											
	04	9932	25	23	21	03	06	74	8	02	2	8	5	5											
	07	9940	26	24	21	03	08	74	8	02	2	8	5	5											
	10																								
	13	9939	28	27	25	19	02	74	8	02	2	1	5	5	1										
	16	9937	29	27	24	18	10	74	8	02	2	8	0	8	1										
	19	9943	30	29	27	25	04	62	8	02	2	8	7	5											
	22	9923	33	31	28	18		58	8	71	7	8	7	5						11	76		0000	35	24
25	01	9919	30	29	27	19	30	16	8	38	3	8	6	5											
	04	9909	30	29	27	11	32	48	8	38	3	8	6	5											
	07	9902	30	28	25	10	32	56	8	38	3	8	7	4											
	10	9897	33	32	30	00	00	65	8	71	7	8	6	4											
	13	9876	28	27	24	11	42	16	8	38	2	8	6	4											
	16	9879	28	27	25	33	40	16	8	38	3	8	5	5											
	19	9861	26	26	26	12	60	00		39	7														
	22	9878	26	26	26	14	30	00		39	3									11	66		0000	35	25
26	01	9880	25	25	25	12	44	00		39	3														
	04	9884	26	26	26	12	40	16	8	37	3	8	5	4											
	07	9902	27	27	27	12	38	16	6	37	3	2	5	4	3	0									
	10	9903	33	33	33	09	34	16	8	37	3	8	5	5											
	13	9926	33	32	30	09	23	66	7	36	3	7	5	5											
	16	9927	33	31	28	11	28	74	7	36	3	2	5	6	7										
	19	9927	33	31	29	10	24	62	8	02	3	8	5	5											
	22	9922	33	30	26	36	12	63	8	02	2	8	5	5						11	55		0000	37	23
27	01	9909	29	28	27	20	03	66	8	27	7	8	5	5											
	04	9890	25	24	23	17	14	48	8	71	7	8	6	2											
	07	9855	24	23	22	18	15	66	8	02	2	8	5	5											
	10	9813	32	29	29	18	01	74	8	02	2	8	5	5											
	13	9769	30	28	25	19	02	57	8	02	2	8	5	5											
	16	9741	27	25	23	16	20	56	6	02	2	5	5	5	4	0									
	19	9698	25	23	19	17	34	66	6	03	2	2	5	5	7	0									
	22	9667	22	20	16	18	37	62	7	01	2	3	5	5	7					18	54		0000	36	21

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LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°× 10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°× 10	kt	St.miles	Points	°F	°F
28	01	9658	26	24	19	18	17	66	6	02	2	2	5	6	7	0									
	04	9629	27	24	16	18	15	74	7	02	2	6	5	6	2										
	07	9611	28	26	22	15	12	74	6	01	2	6	5	6	0	0									
	10																								
	13	9646	30	30	30	17	06	32	8	75	7	8	7	4											
	16	9673	33	31	30	00	00	74	7	01	2	6	5	5	7	0									
	19	9705	33	30	26	00	00	74	7	02	7	7	5	5											
	22	9732	30	30	30	22	02	74	7	35	2	7	5	5						17	34		0000	35	21

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LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
01	01	9746	21	20	17	09	03	74	1	01	7	1	0	9	4	0									
	04	9777	24	23	21	07	10	74	3	03	0	3	0	9	4	0									
	07	9800	29	28	27	02	08	74	8	02	2	8	6	2											
	10	9840	29	28	27	02	68	74	8	02	2	8	5	5											
	13	9876	29	28	26	02	08	66	8	02	2	8	5	5											
	16	9895	28	28	27	02	04	74	7	02	2	6	5	6	7	0									
	19	9916	28	27	25	00	00	74	8	03	2	8	5	5											
	22	9922	26	25	24	18	05	74	8	02	2	8	5	5						05	14		0003	33	20
02	01	9939	28	28	28	20	04	74	8	02	2	8	5	5											
	04	9942	29	27	24	29	02	74	8	02	2	8	5	6											
	07	9943	29	29	28	18	08	74	6	02	2	6	5	6	0	0									
	10	9941	31	29	26	02	04	74	6	01	2	6	8	4	0	0									
	13	9926	31	29	26	00	00	74	5	02	2	5	8	4	0	0									
	16	9918	28	25	19	27	04	74	2	01	0	2	5	4	0	0									
	19	9902	23	21	18	24	06	74	1	01	0	1	5	5	0	0									
	22	9883	19	17	12	05	03	74	2	03	0	2	5	5	0	0				27	10	133	0000	33	18
03	01	9867	19	18	16	30	04	74	3	03	0	3	1	5	0	0									
	04	9852	18	17	15	33	04	74	7	03	1	7	5	5											
	07	9847	21	20	18	18	14	74	6	02	2	6	2	5	0	0									
	10	9847	21	20	18	05	08	74	6	02	2	6	2	5	0	0									
	13	9861	20	19	16	05	08	74	6	02	2	6	5	5	0	0									
	16	9860	21	19	14	05	10	66	7	71	7	7	5	5											
	19	9876	21	19	14	07	08	74	7	02	7	7	5	5											
	22	9882	18	17	15	11	12	74	8	03	2	8	5	5						06	22	261	0000	22	15
04	01	9896	18	16	11	10	12	74	8	02	2	8	5	5											
	04	9904	19	18	14	10	06	74	8	02	2	8	6	5											
	07	9906	21	19	17	20	12	74	8	02	2	8	5	5											
	10	9906	23	21	19	08	08	74	8	02	2	8	5	5											
	13	9904	21	20	17	07	17	74	7	02	2	7	5	5											
	16	9895	22	20	15	09	09	74	1	01	1	1	5	6	0	1									
	19	9892	20	17	12	15	04	74	6	03	0	3	5	6	3	0									
	22	9882	21	19	12	16	05	74	7	03	2	4	5	6	3	0				12	25	248	0000	28	11
05	01	9877	21	19	14	18	08	74	7	02	2	7	5	6											
	04	9868	23	20	14	11	06	74	7	02	2	7	5	6											
	07																								
	10	9832	28	26	24	00	00	74	7	02	2	7	5	5											
	13	9826	27	25	20	18	66	74	7	02	2	7	5	5											
	16	9803	27	25	22	18	10	74	7	02	2	7	5	5											
	19	9803	27	24	18	11	01	74	7	02	2	7	0	9	2										
	22	9781	25	22	17	09	09	74	7	02	2	7	0	9	2					18	10	162	0000	30	18
06	01	9760	19	17	12	09	10	74	5	02	2	5	0	9	7	0									
	04	9752	19	17	10	09	10	74	5	02	2	5	5	9	5	0									
	07	9747	19	17	11	17	05	74	1	02	0	1	0	9	3	0									
	10	9741	20	17	08	17	09	74	2	03	0	2	0	9	3	0									
	13	9739	21	17	08	16	05	74	6	03	0	6	0	9	3	0									
	16	9733	22	20	15	02	10	74	7	02	2	7	5	5											
	19	9744	19	16	06	09	10	74	7	02	2	7	5	5											
	22	9743	19	16	06	06	09	74	8	02	2	8	5	5						18	12	215	0000	28	16
07	01	9744	19	18	16	08	09	74	8	02	2	8	5	5											
	04	9745	19	17	12	07	06	74	8	02	2	8	5	5											
	07	9750	18	16	09	10	12	74	8	02	2	8	5	5											
	10	9766	21	18	10	14	07	74	2	01	1	2	5	6	0	0									
	13	9770	22	18	07	09	02	74	5	03	0	5	5	6	0	0									
	16	9774	23	20	11	09	05	74	7	03	2	7	5	5											
	19	9788	22	18	10	17	03	74	7	02	2	7	5	6											
	22	9790	22	19	12	17	04	74	7	02	2	7	5	6						09	12	159	0000	26	16
08	01	9794	17	15	10	14	04	74	0	02	1	0	0	9	0	0									
	04	9795	13	12	08	11	04	74	2	03	0	2	5	5	0	0									
	07	9791	19	17	12	09	01	74	7	01	2	7	5	5											
	10	9790	23	21	16	11	02	74	1	01	1	1	1	4	5	0									
	13	9789	23	20	14	15	03	74	2	03	0	2	0	5	0	0									
	16	9793	25			18	05	74	0	02	0	0	5	9	0	0									
	19	9700	16	15	12	12	03	74	7	03	1	5	5	5	2										
	22	9803	19	18	16	11	05	74	7	02	2	7	5	5						18	06	128	0000	26	12
09	01	9808	16	15	13	00	00	74	2	02	0	2	5	5	0	0									
	04	9803	11	11	10	18	08	74	3	02	0	2	5	5	4	0									
	07	9798	14	13	10	18	04	74	6	03	0	5	1	0	9	3	1	0							
	10	9797	14	13	10	24	02	74	1	01	2	1	0	0	9	3	0	0							
	13	9791	17	15	08	29	03	74	0	01	0	0	0	0	9	3	0	0							
	16	9803	17	15	09	04	05	74	6	03	0	6	0	0	9	3	4	0							
	19	9823	14	12	07	09	08	74	7	02	2	1	0	0	9	4	0	8							
	22	9830	17	16	13	30	10	74	8	02	2	0	0	9	0	7				06	12	163	0000	19	09

Results of Surface Observations,
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LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°× 10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°× 10	kt	St.miles	Points	°F	°F
10	01	9818	15	14	10	18	10	74	7	02	2	7	0	9	0	6									
	04	9799	17	16	14	18	10	58	8	71	7	8	6	4											
	07	9739	23	23	23	09	38	00		39	3														
	10	9690	23	23	23	09	42	00		39	3														
	13	9667	23	23	23	09	52	00		39	3														
	16	9696	25	25	25	09	34	00	8	37	3	8	6	4											
	19	9714	26	25	22	08	21	66	8	36	3	8	6	4											
	22	9731	27	26	23	05	16	66	8	02	3	8	6	4						09	68	878	0000	27	12
11	01	9745	28	27	25	08	18	66	8	02	2	8	6	4											
	04	9753	29	29	28	08	18	32	8	73	7	8	6	4											
	07	9773	32	30	27	07	19	66	8	36	3	8	5	5											
	10	9781	33	31	27	08	18	74	7	01	3	7	5	5											
	13	9800	33	30	27	07	12	74	8	03	2	8	5	5											
	16	9817	31	30	28	05	10	74	8	02	2	8	5	5											
	19	9834	30	30	30	03	17	58	8	71	2	8	5	5											
	22	9847	29	29	29	03	18	58	8	71	7	8	6	5						07	26	420	0000	34	24
12	01	9862	29	29	29	02	13	66	8	02	7	8	6	4											
	04	9871	30	29	28	07	11	66	7	02	2	7	5	4											
	07	9886	30	29	28	04	10	58	8	70	2	8	6	4											
	10	9890	29	29	29	02	09	66	8	70	7	3	6	5	1										
	13	9888	30	30	29	06	02	58	8	71	7	8	6	4											
	16	9888	29	29	29	17	03	58	8	71	7	8	6	4											
	19	9891	28	28	27	03	03	58	8	71	7	8	6	4											
	22	9888	26	26	26	00	00	58	8	71	7	8	6	4						05	18	158	0002	31	22
13	01	9880	22	22	22	18	11	48	8	71	7	8	7	4											
	04	9877	20	20	20	18	10	58	8	71	7	8	7	5											
	07	9861	21	20	19	18	08	63	8	02	7	8	5	5											
	10	9856	22	21	20	18	04	74	7	02	2	6	5	5	7										
	13	9854	24	23	21	35	02	74	7	02	2	6	5	5	4										
	16	9851	27	25	21	00	00	74	7	01	2	6	0	9	7	1									
	19	9853	23	22	20	09	06	74	7	02	2	6	5	5	4	1									
	22	9849	15	14	12	18	08	74	4	01	1	4	5	5	0	0				18	16	165	0020	29	13
14	01	9842	18	16	12	15	09	74	2	01	2	2	5	5	0	0									
	04	9838	18	17	13	18	09	74	5	03	1	5	5	5	0	0									
	07	9831	19	18	17	16	07	74	6	02	2	6	5	5	0	0									
	10	9819	26	24	18	00	00	74	2	01	1	2	0	8	7	0									
	13	9809	26	23	18	30	02	74	2	02	2	2	0	9	7	0									
	16	9801	23	21	18	00	00	74	1	01	1	1	0	9	4	0									
	19	9800	18	16	13	00	00	74	2	02	2	2	0	9	7	1									
	22	9800	20	17	12	00	00	74	2	02	2	2	0	9	7	1				11	15		0000	29	12
15	01	9802	25	23	19	12	02	74	6	03	1	5	5	7	0	1									
	04	9806	24	22	17	00	00	74	6	03	2	6	5	7	0	0									
	07	9814	27	25	23	05	04	66	8	71	7	8	5	7											
	10	9821	26	25	23	09	03	56	8	36	3	8	6	4											
	13	9835	27	25	21	22	03	14	8	75	3	8	6	4											
	16	9848	23	23	23	18	10	14	8	75	7	8	6	4											
	19	9844	23	23	23	16	06	58	8	71	7	8	6	4											
	22	9842	21	19	17	09	07	66	8	02	7	8	6	5						09	38		0000	28	18
16	01	9830	21	20	17	12	02	74	3	01	2	3	6	5	0	0									
	04	9825	25	24	22	32	04	74	7	03	2	7	6	5											
	07	9818	24	23	22	02	05	74	8	02	2	8	6	4											
	10	9817	23	21	18	05	08	74	8	02	2	8	6	4											
	13	9822	22	21	21	07	05	57	8	73	7	8	6	4											
	16	9829	22	20	21	07	05	58	8	71	7	8	6	4											
	19	9836	20	20	19	05	10	58	8	71	7	8	6	4											
	22	9839	20	19	16	05	10	66	8	02	2	8	6	5						07	16		0015	24	18
17	01	9844	20	19	17	07	17	74	8	36	7	8	6	5											
	04	9857	20	19	17	07	17	74	8	36	3	8	6	5											
	07	9863	21	20	17	06	15	58	8	36	3	8	5	5											
	10	9882	21	20	17	03	07	66	8	70	3	8	5	4											
	13	9883	20	19	18	06	16	66	8	70	7	8	5	4											
	16	9889	20	19	16	07	16	74	8	02	2	8	5	5											
	19	9886	20	19	16	07	13	66	8	02	2	8	5	5											
	22	9867	21	19	15	09	14	66	8	02	2	8	5	5						07	24		0015	22	18
18	01	9858	20	19	17	07	12	66	8	02	2	8	6	5											
	04	9845	20	19	17	08	16	74	8	01	2	8	5	5											
	07	9816	21	20	16	09	12	74	8	02	2	8	5	4											
	10	9805	21	20	17	09	18	58	8	36	3	8	5	5											
	13	9784	21	20	17	09	20	66	8	36	3	8	6	5											
	16	9780	21	20	16	07	12	74	8	02	3	8	6	5											
	19	9754	21	20	19	10	30	56	8	36	3	9	5	4											
	22	9735	19	18	17	10	34	32	8	39	3	8	5	4						11	45	530	0000	22	18

Results of Surface Observations,
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LOCAL STANDARD TIME			TEMPERATURES			SURFACE WIND						LOW CLOUD					DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST				EXTREME TEMPERATURES	
DAY	HOUR	STATION LEVEL PRESSURE	DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED	VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	AMOUNT	TYPE	BASE	MIDDLE CLOUD	HIGH CLOUD	LOW	MIDDLE	HIGH	DIRECTION	SPEED	ANEMOMETER WIND RUN	PRECIPITATION	MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°× 10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°× 10	kt	St.miles	Points	°F	°F
19	01	9717	18	18	17	10	34	00		39	3														
	04	9707	19	18	16	33	08	66	8	36	2	8	6	4											
	07																								
	10	9647	22	21	20	07	12	74	1	01	1	1	2	4	0	0									
	13	9665	23	21	16	06	15	74	2	03	0	1	1	5	4	0									
	16	9674	25	23	18	08	20	74	8	36	1	8	0	9	7										
	19	9686	25	22	17	09	26	74	8	02	2	8	0	9	7										
	22	9690	24	22	17	09	28	66	8	36	3	8	0	9	7					11	43	562	0000	27	19
20	01	9695	27	24	24	08	20	74	8	02	3	8	0	9	7										
	04	9695	26	24	20	09	26	66	8	37	3	8	5	5											
	07	9705	26	25	22	09	31	66	8	37	3	8	5	5											
	10	9702	26	25	23	09	38	66	8	37	3	8	5	5											
	13	9712	27	26	25	09	40	16	8	38	3	8	5	4											
	16	9740	27	26	25	09	35	56	8	38	3	8	5	4											
	19	9769	29	29	28	00	00	66	8	02	3	8	5	4											
	22	9784	28	27	25	00	00	66	8	02	2	8	5	4						09	55	747	0000	33	17
21	01	9795	27	26	23	18	06	74	6	01	2	6	5	5	0	0									
	04	9806	27	25	22	32	03	74	6	02	2	3	5	5	2	0									
	07	9815	26	24	20	18	04	74	8	03	2	8	5	5											
	10	9820	28	25	18	05	05	74	7	01	2	6	5	6	2										
	13	9882	31	27	21	00	00	74	7	02	0	2	5	5	7	6									
	16	9826	28	26	22	00	00	74	3	01	1	2	0	9	7	1									
	19	9823	22	21	19	00	00	74	2	01	0	1	0	9	7	1									
	22	9818	20	18	13	07	06	74	1	02	0	0	0	9	0	1				08	13	122	0000	31	17
22	01	9826	19	16	08	06	12	74	0	02	0	0	0	9	0	0									
	04	9828	20	17	10	06	16	74	7	36	1	7	0	9	2										
	07	9837	21	18	12	04	10	74	8	03	2	8	0	9	7										
	10	9840	18	17	14	16	08	74	8	02	2	8	0	9	7										
	13	9842	23	20	13	18	03	74	5	02	2	4	4	5	0	1									
	16	9825	21	19	14	18	06	74	7	02	2	6	5	5	4										
	19	9808	23	21	17	07	14	74	8	02	2	8	5	4											
	22	9799	22	20	16	09	20	58	8	36	3	8	5	5						09	29	328	0000	25	16
23	01	9784	21	19	15	09	23	74	8	36	3	8	5	5											
	04	9781	20	19	15	09	23	74	8	36	3	8	5	5											
	07	9761	20	19	16	09	26	32	8	37	3	8	5	5											
	10	9758	20	19	17	10	40	32	8	37	3	8	5	5											
	13	9754	23	21	18	09	43	32	8	37	3	8	5	5											
	16	9749	21	21	19	10	40	32	8	37	3	8	5	5											
	19	9761	20	20	20	11	40	32	8	37	3	8	5	5											
	22	9769	20	19	17	09	40	32	8	37	3	8	5	5						08	55	1060	0000	23	17
24	01	9787	21	20	20	08	38	32	8	37	3	8	5	5											
	04	9799	20	20	19	10	32	32	8	37	3	8	5	5											
	07	9800	20	20	18	10	38	32	8	37	3	8	5	5											
	10	9804	23	22	19	10	30	32	8	37	3	8	5	5											
	13	9798	26	25	23	09	30	32	8	37	3	8	5	5											
	16	9788	25	23	22	09	40	32	8	37	3	8	5	5											
	19	9776	24	23	19	09	38	32	8	37	7	8	5	5											
	22	9769	24	22	18	05	04	74	3	01	1	3	5	5						11	61	891	0000	30	16
25	01	9766	26	24	20	09	04	74	8	03	2	8	5	5											
	04	9772	27	27	27	07	02	66	8	71	2	8	6	5											
	07	9795	28	27	25	36	02	66	8	71	7	8	7	4											
	10	9820	30	29	28	29	02	74	8	70	7	8	5	4											
	13	9843	32	29	24	02	20	74	8	02	2	8	5	4											
	16	9872	31	29	29	07	18	74	8	02	2	8	5	4											
	19	9890	30	29	27	07	24	66	5	01	1	5	5	4											
	22	9900	29	28	26	09	25	58	8	37	3	8	5	4						09	42	366	0000	32	16
26	01	9878	26	26	25	09	41	58	5	38	3	6	5	5											
	04	9840	24	24	23	10	45	32	8	39	3	8	6	5											
	07	9822	26	25	24	11	53	32	8	37	3	8	6	5											
	10	9789	26	25	24	10	50	08	8	37	3	8	5	4											
	13	9742	25	24	23	09	62	08	8	37	3	8	5	4											
	16	9739	25	25	25	09	50	32	8	37	3	8	5	4											
	19	9758	25	24	23	09	35	32	8	37	3	8	5	4											
	22	9770	25	24	21	08	34	32	8	37	3	8	5	4						09	74	1638	0000	31	23
27	01	9799	29	28	27	07	25	60	8	36	3	8	5	5											
	04	9830	28	27	26	05	18	66	8	02	3	3	5	5	4										
	07	9876	28	28	27	04	12	74	8	02	2	8	8	4											
	10	9907	30	29	28	04	09	74	8	02	2	8	5	6											
	13	9932	28	28	28	03	12	66	8	73	7	8	7	4											
	16	9942	28	26	22	05	18	74	8	01	7	7	5	5	2										
	19	9951	26	25	24	08	27	32	8	37	3	8	5	5											
	22	9927	25	25	24	09	33	32	8	37	3	8	5	5						09	39	555	0000	29	25

Results of Surface Observations,
WILKES — Mar., 1961

LOCAL STANDARD TIME			TEMPERATURES			SURFACE WIND					LOW CLOUD					DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST				EXTREME TEMPERATURES	
DAY	HOUR	STATION LEVEL PRESSURE	DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED	VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	AMOUNT	TYPE	BASE	MIDDLE CLOUD	HIGH CLOUD	LOW	MIDDLE	HIGH	DIRECTION	SPEED	ANEMOMETER WIND RUN	PRECIPITATION	MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	° × 10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	° × 10	kt	St. miles	Points	°F	°F
28	01	9885	27	26	24	09	40	58	8	37	3	8	5	4											
	04	9845	28	27	25	09	50	16	8	37	3	8	5	4											
	07	9839	28	27	25	09	50	66	8	36	3	8	5	5											
	10	9849	30	28	24	09	46	58	8	36	3	8	5	5											
	13	9857	28	27	25	09	45	58	8	37	3	8	5	5											
	16	9868	29	27	26	09	40	58	8	36	3	8	5	5											
	19	9878	29	28	27	09	38	58	8	37	3	8	5	5											
	22	9888	29	28	26	09	32	58	8	36	3	8	5	5						09	64	1598	0017	32	26
29	01	9901	30	29	28	09	25	66	8	02	2	8	5	5											
	04	9936	27	27	27	18	06	58	8	73	7	8	6	4											
	07	9952	27	27	27	19	05	32	8	75	7	8	6	4											
	10	9970	26	26	25	36	05	66	7	71	7	7	5	5											
	13	9976	26	25	23	33	08	74	8	03	7	8	5	5											
	16	9990	25	24	22	33	05	74	7	01	2	7	5	5											
	19	10004	22	20	18	18	04	74	7	02	2	7	5	4											
	22	10004	22	20	18	33	04	74	7	02	2	7	5	4						09	39	254	0020	31	20
30	01	10014	21	20	19	18	08	74	8	02	2	8	5	5											
	04	10024	19	19	17	18	06	74	8	02	2	8	5	5											
	07	10047	19	19	17	18	05	74	8	02	2	8	5	5											
	10	10066	18	17	14	15	05	74	8	02	2	8	5	5											
	13	10077	19	17	13	00	00	74	8	02	2	7	5	5	1										
	16	10085	18	16	11	18	01	74	8	03	2	8	5	4											
	19	10100	16	15	11	17	09	74	8	02	2	8	5	4											
	22	10091	16	15	10	00	00	74	8	02	2	8	5	4						18	10	167	0005	25	15
31	01	10075	24	23	20	23	04	74	8	02	2	8	5	5											
	04	10068	21	19	13	02	05	74	8	02	2	8	5	5											
	07	10053	20	19	17	05	06	32	8	73	2	8	6	5											
	10	10023	19	19	18	06	05	32	8	73	7	8	6	5											
	13	9981	23	23	23	36	05	32	8	72	7	8	7	4											
	16	9930	23	23	23	08	32	32	8	70	7	8	7	4											
	19	9880	24	24	24	09	36	32	8	37	7	8	6	4											
	22	9837	24	24	23	09	45	32	8	37	3	8	6	4						09	55	651	0008	27	17

Results of Surface Observations,
WILKES – Apr, 1961

LOCAL STANDARD TIME			TEMPERATURES			SURFACE WIND						LOW CLOUD					DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST				EXTREME TEMPERATURES	
DAY	HOUR	STATION LEVEL PRESSURE	DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED	VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	AMOUNT	TYPE	BASE	MIDDLE CLOUD	HIGH CLOUD	LOW	MIDDLE	HIGH	DIRECTION	SPEED	ANEMOMETER WIND RUN	PRECIPITATION	MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
01	01	9820	26	25	25	07	35	32	8	39	3	8	5	4											
	04	9828	28	27	27	07	30	32	8	39	3	8	5	4											
	07	9845	28	27	25	04	24	66	7	36	3	7	5	5											
	10	9872	27	26	24	01	12	58	8	02	3	8	5	5											
	13	9890	27	26	24	03	10	66	8	02	2	8	6	5											
	16	9920	27	27	27	03	12	32	8	56	2	8	7	3											
	19	9930	26	25	24	28	08	74	7	01	5	7	5	5											
	22	9935	26	25	23	32	07	74	7	02	2	7	5	5						07	53	506	0035	29	22
02	01	9944	23	22	21	18	05	74	6	02	2	6	0	9	7	0									
	04	9941	19	19	18	05	08	74	6	02	2	2	5	5	7	0									
	07	9939	20	20	18	05	09	74	7	02	2	3	5	5	7										
	10	9936	22	22	20	03	07	74	7	02	2	6	5	5	7										
	13	9926	25	24	22	00	00	74	3	02	1	1	1	5	3	1									
	16	9923	20	19	16	13	04	74	3	03	1	2	0	9	3	1									
	19	9921	22	21	19	00	00	74	8	02	2	8	5	5											
	22	9920	23	23	22	00	00	74	8	02	2	8	5	5						07	15	121	0000	27	17
03	01	9920	26	25	22	36	03	74	8	02	2	8	5	5											
	04	9920	22	21	18	36	01	74	8	02	2	8	5	5											
	07	9915	21	21	20	00	00	74	8	02	2	1	6	4	7	6									
	10	9907	21	20	18	18	05	74	8	02	2	1	6	4	7	6									
	13	9893	20	19	16	00	00	74	8	02	2	1	6	4	7										
	16	9882	20	19	15	00	00	74	7	02	2	1	5	4	7	1									
	19	9870	20	19	16	00	00	74	5	01	2	5	0	9	7	0									
	22	9853	20	19	15	00	00	74	8	02	2	8	5	6						13	12	103	0000	26	17
04	01	9839	20	19	16	32	04	74	7	02	2	3	5	6	3	0									
	04	9837	18	17	14	03	08	74	7	02	2	3	5	6	3	0									
	07	9836	16	15	12	00	00	74	6	02	2	5	5	5	7	1									
	10	9834	17	15	12	00	00	74	2	01	1	1	5	5	7	1									
	13	9832	17	16	14	18	06	74	2	02	0	1	0	9	7	1									
	16	9829	18	16	11	00	00	74	1	01	0	1	0	9	7	0									
	19	9823	11	10	06	06	06	74	0	01	0	0	0	9	0	0									
	22	9820	10	09	06	00	00	62	0	02	0	0	0	9	0	0				36	15	127	0000	23	07
05	01	9810	09	08	05	18	04	74	0	02	0	0	0	9	0	0									
	04	9800	07	06	03	00	00	74	0	02	2	0	0	9	0	0									
	07	9826	09	08	06	00	00	74	7	03	1	7	5	5											
	10	9819	13	12	09	00	00	74	7	02	1	7	5	5											
	13	9807	12	11	09	17	10	74	7	02	2	7	5	6											
	16	9811	12	11	09	17	10	74	7	02	2	7	5	5											
	19	9822	501	501	503	18	19	74	7	02	2	7	5	5											
	22	9822	501	501	502	18	15	74	7	02	2	7	5	5						18	29	270	0000	13	505
06	01	9822	02	01	503	05	14	74	7	02	2	7	5	5											
	04	9826	04	03	502	07	18	74	7	02	2	7	5	5											
	07	9853	03	03	01	18	08	74	7	71	7	7	5	5											
	10	9853	05	05	05	32	04	61	8	71	7	8	5	5											
	13	9851	08	07	05	28	01	74	8	02	2	8	5	5											
	16	9847	08	07	01	07	08	74	8	02	2	8	5	5											
	19	9845	08	07	04	16	03	62	8	02	2	8	5	5											
	22	9830	00	501	506	09	10	62	0	01	2	0	0	9	0	0				05	34	240	0000	09	503
07	01	9805	02	01	504	09	15	74	0	02	0	0	0	9	0	0									
	04	9790	04	03	503	14	10	74	4	03	0	4	0	9	3	0									
	07	9772	07	05	501	00	00	74	8	03	1	5	0	9	7	1									
	10	9750	09	07	03	18	10	74	6	02	2	1	6	4	7	1									
	13	9725	11	09	03	18	11	74	7	02	2	7	5	5	0	1									
	16	9710	15	13	05	17	06	74	8	02	2	8	5	5											
	19	9708	14	13	10	00	00	74	8	02	2	8	5	5											
	22	9710	14	13	10	07	05	62	8	02	2	8	5	5						09	23	206	0000	17	00
08	01	9722	16	15	13	17	07	74	8	70	2	8	7	5											
	04	9733	15	14	12	00	00	74	8	70	7	8	7	5											
	07	9751	16	14	09	07	08	65	8	71	7	8	6	5											
	10	9765	18	17	15	00	00	63	7	71	7	7	5	5											
	13	9783	19	18	18	02	04	58	8	71	7	8	5	5											
	16	9796	18	17	15	07	05	58	8	71	7	8	5	5											
	19	9811	16	15	13	07	03	58	8	71	7	8	5	5											
	22	9820	16	15	13	07	06	58	8	71	7	8	5	5						16	11	142	0000	19	14
09	01	9832	15	15	13	07	05	66	8	70	7	8	5	5											
	04	9837	15	14	10	08	02	66	8	70	7	8	5	5											
	07																								
	10	9846	16	15	10	00	00	74	8	02	2	8	5	5											
	13	9848	17	15	10	07	04	70	8	02	2	8	5	5											
	16	9851	16	15	12	34	06	74	8	02	2	8	6	5											
	19	9852	16	15	11	03	05	66	8	02	2	8	5	5											
	22	9849	16	14	10	32	05	66	8	02	2	8	5	5						31	15	115	0015	18	12

LOCAL STANDARD TIME			TEMPERATURES			SURFACE WIND							LOW CLOUD					DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST				EXTREME TEMPERATURES	
DAY	HOUR	STATION LEVEL PRESSURE	DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED	VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	AMOUNT	TYPE	BASE	MIDDLE CLOUD	HIGH CLOUD	LOW	MIDDLE	HIGH	DIRECTION	SPEED	ANEMOMETER WIND RUN	PRECIPITATION	MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
10	01	9846	15	14	12	33	10	62	8	02	2	8	5	5											
	04	9844	12	11	09	36	05	62	8	02	2	8	5	5											
	07	9842	10	09	06	07	06	74	6	01	2	7	5	5											
	10	9847	12	11	05	04	06	74	8	03	2	7	5	5	2										
	13	9855	13	12	09	05	11	74	7	02	2	7	5	4											
	16	9867	14	14	13	05	11	74	7	02	2	7	5	4											
	19	9892	10	09	08	09	10	74	8	02	2	8	5	4											
	22	9911	10	09	06	09	08	74	8	02	0	8	5	4						07	17	222	0000	18	09
11	01	9924	06	05	00	10	10	62	5	02	2	5	5	5	0	0									
	04	9939	05	04	00	08	10	62	5	02	2	5	5	5	0	0									
	07	9951	04	03	502	16	05	74	1	01	2	1	5	5	0	0									
	10	9954	09	08	02	18	07	74	1	02	2	1	5	5	0	0									
	13	9957	13	12	07	00	00	74	1	02	0	1	5	4	0	0									
	16	9960	09	08	04	00	00	74	1	03	0	1	5	5	0	0									
	19	9970	08	07	00	00	00	74	0	02	0	0	0	9	0	0									
	22	9971	05	05	03	00	00	74	0	02	0	0	0	9	0	0				07	14	125	0000	14	03
12	01	9968	03	02	501	22	02	62	0	02	1	0	0	9	0	0									
	04	9960	02	01	501	17	05	62	0	02	1	0	0	9	0	0									
	07	9954	00	501	503	17	08	74	0	02	0	0	0	9	0	0									
	10	9944	01	00	506	00	00	74	2	03	0	1	0	9	1	1									
	13	9933	05	05	01	18	05	74	2	03	0	1	0	9	1	1									
	16	9934	06	05	02	05	11	74	5	03	1	0	0	9	0	6									
	19	9957	05	04	501	18	06	74	4	02	1	0	0	9	0	6									
	22	9972	05	04	00	00	00	74	2	02	1	0	0	9	0	5				02	18	150	0000	08	501
13	01	9977	11	09	501	11	08	62	0	02	1	0	0	9	0	0									
	04	9985	13	12	09	15	06	62	6	03	2	6	5	6	0	0									
	07	10001	13	12	09	18	01	74	8	03	2	5	5	5	2	1									
	10	10009	17	16	14	18	06	63	8	70	7	8	5	5											
	13	10012	17	17	16	23	02	74	8	70	7	8	5	5											
	16	10014	21	21	19	09	20	63	8	02	2	8	5	5											
	19	10024	22	21	17	09	24	63	8	02	2	8	5	5											
	22	10024	23	22	19	09	22	63	8	02	2	8	5	5						09	31	310	0000	24	07
14	01	10024	22	21	18	33	11	62	8	02	2	8	5	5											
	04	10010	23	23	22	09	28	48	8	36	2	8	5	5											
	07	9985	24	24	23	09	38	48	8	37	3	8	5	5											
	10	9970	24	24	24	09	40	16	8	37	3	8	6	5											
	13	9956	24	24	23	09	41	00	8	37	7	8	6	4											
	16	9936	23	22	22	09	45	00	8	39	3	8	6	4											
	19	9920	22	22	22	09	45	00	8	39	3	8	6	4											
	22	9883	22	22	21	09	49	00	8	39	3	8	6	4						09	65	1288	0000	26	22
15	01	9857	21	21	21	10	50	00		39	3														
	04	9810	21	21	21	10	56	00		39	3														
	07	9788	21	21	21	09	52	00		39	3														
	10	9790	22	22	22	09	44	00		39	3														
	13	9810	25	24	23	09	25	48	8	37	3	8	5	5											
	16	9802	24	22	18	11	20	61	8	02	3	8	6	5											
	19	9810	24	23	22	00	00	58	8	71	7	8	6	5											
	22	9819	24	24	23	20	07	63	8	02	7	8	6	5						09	76	974	0000	26	20
16	01	9831	23	21	18	08	07	62	8	02	7	8	5	5											
	04	9848	23	21	18	05	06	62	8	02	2	8	5	5											
	07	9888	23	21	17	07	05	74	6	01	2	5	5	6	2	0									
	10	9897	23	21	18	00	00	74	7	03	2	6	5	6	2	0									
	13	9931	25	22	22	00	00	74	7	02	2	7	0	9	7	0									
	16	9949	26	22	13	00	00	74	8	02	2	8	0	8	7										
	19	9962	25	22	16	00	00	74	6	02	2	6	0	8	7	0									
	22	9973	22	20	18	18	04	74	7	02	2	7	0	8	7	0				05	14	094	0016	29	21
17	01	9976	21	20	17	15	04	62	8	02	2	8	0	9	7										
	04	9978	21	20	17	15	04	62	8	02	2	8	0	9	7										
	07	9973	21	20	17	32	03	74	5	01	2	5	0	9	3	0									
	10	9970	21	20	18	28	02	74	8	03	2	6	5	6	2										
	13	9961	20	18	12	32	06	74	7	02	2	6	5	6	2										
	16	9958	20	18	14	18	05	74	7	02	2	6	5	6	2										
	19	9955	11	09	04	11	08	74	2	02	2	2	5	6	0	0									
	22	9949	10	08	02	09	06	74	2	02	0	2	5	6	0	0				07	20	145	0000	26	06
18	01	9936	12	10	02	04	06	74	3	02	0	3	5	6	0	0									
	04	9915	06	05	501	09	05	74	1	01	2	1	5	6	0	0									
	07	9910	06	05	01	16	04	74	4	02	0	4	5	6	0	0									
	10	9900	11	10	05	20	03	74	7	03	2	7	5	6											
	13	9882	14	12	06	19	03	74	8	03	2	7	5	6	1										
	16	9870	14	12	06	17	06	74	8	02	2	7	5	6	2	0									
	19	9860	15	13	06	00	00	62	7	01	2	6	5	6	2	0									
	22	9850	13	11	05	11	04	62	0	01	2	0	0	9	0	0				18	12	125	0000	18	04

Results of Surface Observations,
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LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°× 10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°× 10	kt	St.miles	Points	°F	°F
19	01	9849	16	15	11	00	00	74	0	02	0	0	0	9	0	0									
	04	9847	16	15	11	14	02	74	0	02	0	0	0	9	0	0									
	07	9857	18	17	13	15	03	74	8	03	1	8	6	5											
	10	9866	19	17	11	00	00	74	8	02	2	8	5	5											
	13	9876	19	17	12	00	00	74	7	01	2	3	5	5	7	0									
	16	9877	16	15	13	06	08	74	8	02	2	3	5	5	7										
	19	9897	20	19	16	00	00	62	8	02	2	3	5	5	7										
	22	9905	20	19	16	18	03	62	8	02	2	8	5	5						09	18	114	0000	21	14
20	01	9909	18	17	14	18	06	74	8	02	2	8	5	5											
	04	9917	17	16	13	18	02	74	8	02	2	8	5	5											
	07	9922	19	18	14	00	00	74	8	02	2	7	5	5	1										
	10	9924	22	20	16	00	00	74	8	02	2	8	5	5											
	13	9925	21	19	15	31	02	74	8	02	2	7	5	5	1										
	16	9928	19	18	15	00	00	74	8	02	2	7	5	5	7										
	19	9933	14	13	12	00	00	74	0	01	2	0	0	9	0	0									
	22	9926	14	13	12	00	00	62	0	01	1	0	0	9	0	0				16	08	066	0000	23	12
21	01	9922	14	13	09	09	12	74	0	02	0	0	0	9	0	0									
	04	9921	15	15	13	09	06	74	6	03	0	6	5	5	0	0									
	07	9915	15	14	10	10	04	74	8	02	2	8	6	5											
	10	9911	15	14	11	08	02	74	8	02	2	8	6	5											
	13	9906	10	08	01	12	05	74	7	03	1	1	5	5	1	1									
	16	9898	12	11	08	15	06	74	7	02	2	6	0	9	1	6									
	19	9888	10	09	05	00	00	62	8	02	2	8	0	9	2										
	22	9871	12	11	08	00	00	62	8	02	2	8	0	9	2					05	14	141	0000	19	07
22	01	9839	11	10	07	00	00	74	6	01	2	6	5	8	0	0									
	04	9810	11	10	08	14	02	74	7	03	2	7	5	7	0	0									
	07	9772	09	08	04	20	09	74	8	02	2	8	5	6											
	10	9740	12	11	06	18	05	74	8	02	2	8	6	5											
	13	9695	13	12	10	18	15	66	8	22	2	8	6	4											
	16	9659	18	15	08	14	13	66	8	02	2	8	6	4											
	19	9656	18	15	08	24	03	62	8	02	2	8	6	4											
	22	9642	17	15	11	20	02	62	8	02	2	8	6	4						18	27	098	0000	19	07
23	01	9640	12	11	09	18	14	63	8	37	7	8	7	4											
	04	9609	12	11	10	18	15	66	8	70	7	8	7	4											
	07	9601	05	04	02	18	17	74	7	01	7	2	5	5	7										
	10	9581	09	09	06	18	08	74	7	01	2	7	0	8	7										
	13	9555	10	09	04	18	09	74	4	01	1	2	0	8	7	1									
	16	9550	11	10	06	00	00	74	5	03	0	5	0	9	3	0									
	19	9534	12	11	07	09	04	74	6	03	2	6	0	9	3	0									
	22	9532	08	07	04	09	06	74	6	02	2	6	0	9	3	0				18	23	395	0059	16	03
24	01	9546	13	12	06	00	00	74	8	03	1	8	5	5											
	04	9575	18	17	15	13	06	66	6	70	7	8	6	4											
	07	9598	19	17	14	18	08	74	8	02	2	8	0	9	7										
	10	9622	18	17	12	18	07	74	7	01	2	6	0	9	7	1									
	13	9639	18	17	12	00	00	74	6	02	2	8	0	9	7	0									
	16	9660	10	09	04	06	06	74	0	01	2	0	0	9	0	0									
	19	9668	10	09	04	09	02	74	1	03	0	1	0	9	4	0									
	22	9681	12	11	07	34	03	74	3	03	0	3	0	9	3	0				10	14	122	0000	19	07
25	01	9695	14	14	09	03	07	74	8	03	1	8	5	5											
	04	9706	13	13	11	05	03	74	8	02	2	8	5	5											
	07	9716	15	14	13	04	06	74	8	02	2	8	5	5											
	10	9720	15	14	13	04	07	62	8	70	2	8	5	5											
	13	9721	17	15	13	00	00	62	8	02	7	8	5	5											
	16	9730	17	16	15	16	08	62	8	02	2	8	5	5											
	19	9750	16	15	12	18	07	74	8	02	2	8	5	5											
	22	9763	16	15	11	18	06	74	8	02	2	8	5	5						09	18	160	0000	17	09
26	01	9788	15	13	08	00	00	74	6	01	2	6	0	8	7	0									
	04	9807	14	13	08	00	00	74	2	01	1	2	0	8	7	0									
	07																								
	10	9816	11	10	06	00	00	74	2	02	0	1	0	9	7	1									
	13	9820	13	12	10	00	00	74	6	02	1	3	0	9	7	6									
	16	9821	11	10	05	18	10	64	7	02	2	1	0	9	7	6									
	19	9827	09	08	04	18	06	74	3	01	2	3	0	9	3	0									
	22	9835	09	08	03	09	02	74	3	02	0	3	0	9	3	0				11	31	133	0000	16	04
27	01	9831	11	10	06	11	25	66	8	36	3	8	5	5											
	04	9827	14	12	06	18	11	74	8	02	3	8	5	5											
	07	9808	15	14	12	18	11	56	8	10	2	8	6	4											
	10	9782	19	18	16	11	34	02	8	39	3	8	6	4											
	13	9790	22	20	15	09	15	48	8	71	3	8	7	4											
	16	9779	21	20	18	11	25	01		39	7														
	19	9768	18	18	18	09	22	16	8	70	7	8	7	4											
	22	9771	17	16	14	14	05	66	8	02	3	8	5	5						11	47	509	0000	24	07

Results of Surface Observations,
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LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	° × 10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	° × 10	kt	St.miles	Points	°F	°F
28	01	9773	20	19	17	33	04	74	8	02	2	8	5	5											
	04	9767	19	15	15	00	00	74	8	02	2	8	5	5											
	07	9767	18	17	17	05	05	74	8	02	2	8	6	5											
	10	9767	18	18	17	18	03	16	8	73	7	8	6	4											
	13	9759	19	18	15	17	07	62	8	70	7	8	6	5											
	16	9755	19	18	17	10	10	48	8	71	7	8	6	4											
	19	9761	19	19	17	21	06	66	8	02	2	8	5	4											
	22	9750	18	17	15	18	05	74	8	02	2	8	5	4						18	15	135	0015	24	03
29	01	9738	05	04	02	00	00	74	5	01	1	0	0	9	0	6									
	04	9737	08	07	04	00	00	74	6	03	1	6	0	9	7	0									
	07	9748	12	11	07	27	04	56	8	38	3	8	5	4											
	10	9748	17	15	08	18	16	56	7	38	3	3	6	4	0	1									
	13	9746	16	14	10	20	09	62	8	02	3	3	0	9	7	7									
	16	9746	16	15	13	11	10	62	8	02	2	8	0	9	2										
	19	9754	15	13	09	18	03	74	5	01	2	5	0	9	3	0									
	22	9754	12	12	08	04	04	74	5	02	2	5	0	9	3	0				12	32	161	0003	21	01
30	01	9754	13	11	05	10	04	74	6	03	2	6	0	9	5	0									
	04	9750	12	10	04	12	05	74	6	02	2	6	0	9	7	0									
	07	9756	16	16	14	10	04	74	8	03	2	8	5	5											
	10	9756	18	17	15	05	05	63	8	71	7	8	5	5											
	13	9763	18	17	15	20	02	62	8	02	2	8	5	4											
	16	9764	19	18	15	18	02	66	8	02	2	8	5	4											
	19	9778	18	18	16	15	01	74	8	02	2	8	5	5											
	22	9785	19	18	16	17	01	74	7	01	2	7	5	5						16	06	115	0000	20	09

Results of Surface Observations,
WILKES – May, 1961

LOCAL STANDARD TIME			TEMPERATURES			SURFACE WIND							LOW CLOUD					DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST				EXTREME TEMPERATURES	
DAY	HOUR	STATION LEVEL PRESSURE	DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED	VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER		AMOUNT	TYPE	BASE	MIDDLE CLOUD	HIGH CLOUD	LOW	MIDDLE	HIGH	DIRECTION	SPEED	ANEMOMETER WIND RUN	PRECIPITATION	MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°× 10	kt	VV	Oktas	ww	W		Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°× 10	kt	St.miles	Points	°F	°F
01	01	9797	16	15	14	05	04	74	7	02	2		1	6	4	0	6									
	04	9810	18	17	15	00	00	63	8	71	7		8	6	4											
	07	9827	19	19	19	29	04	62	8	02	7		8	6	5											
	10	9844	16	15	15	00	00	62	8	02	2		8	6	5											
	13	9862	15	15	15	34	07	48	8	71	7		8	6	5											
	16	9878	12	12	11	02	07	66	8	02	7		8	6	5											
	19	9889	13	13	12	02	10	58	8	02	2		8	6	4											
	22	9890	13	13	12	05	08	58	8	02	2		8	6	2						05	09	154	0000	20	11
02	01	9893	14	13	13	05	10	74	8	02	2		8	5	5											
	04	9891	15	15	15	00	00	66	8	71	7		8	6	5											
	07	9887	15	15	14	00	00	62	8	02	2		8	6	5											
	10	9880	15	15	15	05	04	62	8	02	2		8	6	5											
	13	9851	17	17	17	18	04	62	8	02	2		8	0	9	2										
	16	9820	11	10	05	36	05	74	8	03	2		1	5	5	2										
	19	9787	09	08	04	21	05	74	8	02	2		8	0	9	2										
	22	9739	14	13	09	10	03	74	8	02	2		8	0	9	2					09	34	199	0000	20	06
03	01	9669	19	19	18	09	47	00	8	39	3		8	5	4											
	04	9651	18	18	17	09	50	00	8	39	3		8	5	4											
	07	9668	18	17	17	11	50	00		39	3															
	10	9699	19	19	19	10	46	00		39	3															
	13	9740	19	19	18	09	38	00		39	3															
	16	9792	19	19	18	09	33	00	8	37	3		8	5	4											
	19	9816	19	18	16	09	29	66	7	36	3		7	0	9	7										
	22	9828	20	19	17	09	24	58	8	36	3		8	5	5						11	68	383	0000	22	17
04	01	9807	22	21	19	11	25	56	8	38	3		8	5	4											
	04	9783	19	18	16	09	38	07	8	38	3		8	5	4											
	07	9720	19	18	16	09	47	00		39	3															
	10	9657	19	19	18	09	56	00	8	37	3		8	5	4											
	13	9558	20	20	18	09	58	00	8	37	3		8	5	4											
	16	9418	20	19	17	09	90	00	8	38	3		8	5	4											
	19	9397	15			09	86	00		39	3															
	22	9390	19			09	73	00		39	3										59	18		0000	26	14
05	01	9458	26			07	59	00		39	3															
	04	9526	27	26	25	05	38	04		39	3															
	07	9599	27	26	25	05	30	00		39	3															
	10	9642	26	26	25	05	31	01	8	39	3		8	7	3											
	13	9710	26	26	25	03	25	01	8	36	7		8	6	3											
	16	9769	25			36	12	48	8	73	7		8	6	3											
	19	9794	23	22	20	07	02	48	8	71	7		8	6	3											
	22	9810	22	21	17	09	18	58	8	71	7		8	5	4						09	75	977	0000	27	15
06	01	9813	22	21	18	09	20	74	5	01	2		5	4	4	0	0									
	04	9815	22	20	15	11	05	74	8	02	2		8	5	4											
	07	9804	15	14	09	00	00	74	1	02	2		1	0	9	2	0									
	10	9800	19	17	14	03	09	74	6	02	2		5	5	6	2	0									
	13	9789	16	15	12	13	02	74	2	01	2		2	5	4	0	0									
	16	9783	14	13	11	06	06	74	7	03	0		7	5	5	0	0									
	19	9784	12	11	07	06	11	74	0	01	2		0	0	9	0	0									
	22	9783	13	12	08	04	13	74	1	03	0		1	0	8	3	0				09	22	645	0005	24	08
07	01	9792	08	07	03	07	10	74	1	01	1		0	0	9	0	1									
	04	9802	07	06	02	09	08	74	0	01	0		0	0	9	0	0									
	07																									
	10	9830	05	04	501	06	07	74	1	01	1		1	5	5	0	0									
	13	9850	05	04	00	09	04	16	8	70	1		8	6	2											
	16	9864	03	02	502	09	07	74	7	01	7		7	5	5											
	19	9886	05	04	00	09	08	74	8	02	2		8	5	5											
	22	9898	06	05	02	09	05	74	8	02	2		8	5	5						05	15	201	0000	12	02
08	01	9911	03	02	503	10	11	62	8	02	2		8	5	5											
	04	9923	01	00	505	07	06	62	1	01	2		1	5	5	0	0									
	07	9939	01	00	510	11	04	74	2	03	0		1	5	5	0	1									
	10	9938	05	04	503	00	00	74	7	03	2		1	5	5	7	1									
	13	9926	09	07	501	16	04	74	8	03	2		8	0	9	7										
	16	9898	16	13	01	18	10	74	8	02	2		8	0	9	7										
	19	9858	23	20	12	18	07	74	8	02	2		8	5	7											
	22	9833	21	20	20	09	34	16	8	38	3		8	5	4						09	48	377	0000	23	00
09	01	9803	20	20	19	09	45	00		39	3															
	04	9777	18	18	18	09	54	00	9	39	3															
	07	9790	20	20	19	09	44	00	8	37	3		8	5	4											
	10	9812	19	19	18	09	36	00	8	37	3		8	5	4											
	13	9833	18	17	16	10	29	00	8	38	3		8	6	4											
	16	9851	16	16	14	10	34	04	8	37	3		8	5	4											
	19	9883	20	18	12	00	00	66	8	02	3		8	5	4											
	22	9907	18	16	13	09	10	32	8	73	7		8	6	4						09	70	004	0000	23	12

Results of Surface Observations,
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LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°× 10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°× 10	kt	St.miles	Points	°F	°F
10	01	9908	14	13	08	11	18	62	8	02	2	7	6	4	2										
	04	9910	11	10	06	18	08	62	4	02	2	4	0	9	2	0									
	07	9922	10	09	07	16	06	74	6	70	2	4	7	7	1	0									
	10	9922	07	07	05	18	12	74	7	03	7	4	6	7	2	0									
	13	9922	03	03	01	18	10	74	8	03	2	8	6	5											
	16	9929	04	04	02	18	12	74	8	02	2	8	5	5											
	19	9938	03	03	02	19	08	66	8	70	2	8	6	5											
	22	9938	01	00	00	00	00	66	8	70	7	8	6	5						18	25	501	0000	17	00
11	01	9923	00	501	509	18	06	62	0	01	2	0	0	9	0	0									
	04	9908	503	504	513	11	03	62	0	02	1	0	0	9	0	0									
	07	9885	501	502	505	17	10	74	2	03	0	2	0	9	4	0									
	10	9847	02	01	504	18	10	74	4	03	0	2	0	5	4	0									
	13	9797	08	07	01	16	08	74	6	03	1	1	5	5	7	1									
	16	9725	11	11	11	11	57	00		39	2														
	19	9672	13	13	13	10	58	00		39	3														
	22	9700	15	15	15	10	58	00		39	3									11	74	942	0000	15	507
12	01	9708	16	16	15	11	44	00		39	3														
	04	9718	18	18	18	10	38	00		39	3														
	07	9726	16	16	16	10	40	00		39	3														
	10	9723	17	17	17	10	44	00		39	3														
	13	9703	20	20	19	11	53	00	8	37	3	8	5	4											
	16	9688	23	22	21	11	46	00	8	37	3	8	5	4											
	19	9670	23	22	22	11	52	00	8	37	3	8	5	4											
	22	9610	23	22	21	11	55	00	8	38	3	8	5	4						11	70	485	0000	24	15
13	01	9604	24	23	22	10	43	00	8	38	3	8	5	4											
	04	9628	30	29	27	06	35	62	2	02	3	2	5	5	0	0									
	07	9699	29	28	27	05	36	66	5	56	3	5	5	5	0	0									
	10	9801	27	27	26	08	36	74	7	36	3	6	5	5	3	0									
	13	9802	24	23	22	09	42	00	5	37	3	5	0	9	7	0									
	16	9780	25	24	22	11	61	00	8	37	3	8	5	4											
	19	9741	24			11	60	00		39	3														
	22	9726	27	26	25	18	22	58	8	36	3	8	5	4						11	92	256	0000	30	19
14	01	9661	22	22	22	07	40	00		39	3														
	04	9638	22	22	22	08	30	00		39	3														
	07	9588	22	22	22	09	70	00		39	3														
	10	9685	22	22	22	09	44	00		39	3														
	13	9753	23	22	20	05	15	66	6	02	3	6	5	4	0	0									
	16	9772	28	26	24	11	12	74	7	02	2	7	5	6	0	0									
	19	9775	27	26	25	15	10	56	8	71	2	8	5	5											
	22	9736	25	25	25	09	45	00	9	39	7									11	92	310	0000	29	21
15	01	9745	27	27	27	09	38	00	8	37	3	8	5	4											
	04	9757	27	27	27	09	36	00	8	37	3	8	5	4											
	07	9725	27	26	25	10	25	00	8	37	3	8	6	4											
	10	9705	29	28	27	10	52	66	7	01	3	1	7	5	7	1									
	13	9731	31	28	24	15	26	74	7	02	1	5	8	4	2										
	16	9727	26	25	21	11	12	62	5	02	2	5	5	5	0	0									
	19	9702	26	25	25	10	45	00		39	3														
	22	9702	25	25	25	10	45	00		39	3									09	69	936	0000	32	23
16	01	9732	27	23	15	14	08	66	8	02	3	8	5	5											
	04	9727	26	23	16	11	10	74	8	02	2	8	5	5											
	07	9694	23	21	16	20	18	74	8	02	7	8	5	5											
	10	9669	21	19	11	18	03	74	8	01	2	4	0	9	7	1									
	13	9655	18	16	08	07	06	74	7	02	2	1	1	6	0	1									
	16	9638	16	15	11	07	10	74	2	01	1	0	0	9	0	1									
	19	9636	18	16	11	02	14	74	0	02	0	0	0	9	0	0									
	22	9646	11	10	06	16	04	74	0	02	0	0	0	9	0	0				13	65	231	0000	31	10
17	01	9658	16	15	11	07	08	66	8	70	7	8	7	4											
	04	9668	15	14	11	09	22	66	8	02	7	8	6	4											
	07	9690	14	14	12	09	25	66	7	37	3	7	5	4											
	10	9616	16	15	12	09	25	16	8	37	3	8	5	2											
	13	9743	18	16	10	09	17	74	7	01	3	6	0	8											
	16	9772	20	19	16	07	16	74	7	02	2	7	5	5											
	19	9793	21	20	17	04	08	62	8	02	2	7	5	5	2	1									
	22	9813	23	21	17	00	00	56	8	71	7	8	6	5	7					09	32	372	0000	23	13
18	01	9819	22	21	20	05	08	48	8	71	7	8	5	4											
	04	9830	22	22	22	18	09	66	8	70	7	8	5	4											
	07	9829	20	19	18	18	04	66	8	71	7	8	5	4											
	10	9827	16	15	12	09	05	74	8	02	7	8	5	4											
	13	9826	15	14	11	09	13	74	8	02	2	8	5	4											
	16	9820	18	17	14	20	05	66	8	02	2	8	5	5											
	19	9810	20	19	15	23	07	62	8	02	2	8	5	6											
	22	9805	20	19	16	16	12	74	8	02	2	8	5	6						16	45	213	0007	23	13

Results of Surface Observations,
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LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°× 10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°× 10	kt	St.miles	Points	°F	°F
19	01	9790	24	24	22	32	10	48	8	36	3	8	5	5											
	04	9790	23	22	20	11	10	66	8	02	3	8	5	5											
	07	9790	19	17	12	18	01	74	8	01	2	6	5	5	7										
	10	9792	19	18	17	18	02	74	8	02	2	6	5	6	7										
	13	9784	16	15	13	00	00	74	8	02	2	8	5	5	6	4									
	16	9789	17	17	17	18	04	48	8	73	7	8	5	5	4										
	19	9787	16	16	15	18	08	63	8	73	7	8	6	5	4										
	22	9781	20	18	13	21	05	62	8	02	2	8	5	6						18	46	215	0000	27	13
20	01	9785	19	18	15	09	12	66	8	02	2	8	5	5											
	04	9795	14	13	11	02	02	66	8	02	2	8	5	5											
	07	9805	19	17	13	09	13	66	8	02	2	8	5	5											
	10	9811	20	17	11	13	03	74	7	03	2	7	0	9	7										
	13	9829	19	17	15	00	00	74	7	02	2	4	5	5	0	6									
	16	9840	18	16	12	05	10	74	7	02	2	6	5	5	0	0									
	19	9857	20	19	16	02	05	62	8	02	2	8	5	5											
	22	9870	14	13	11	00	00	62	0	01	2	0	0	9	0	0				04	22	156	0003	23	10
21	01	9868	12	11	07	11	04	74	3	03	3	3	5	5	0	0									
	04	9877	12	11	07	13	09	74	4	03	1	4	5	5	0	0									
	07	9882	14	12	07	11	04	74	8	03	1	8	5	5											
	10	9890	15	14	12	07	04	74	7	01	2	7	5	6											
	13	9892	14	13	12	18	05	74	7	02	2	4	5	5	7	6									
	16	9896	09	09	07	05	07	74	3	01	1	3	0	8	7	0									
	19	9903	10	09	04	05	07	74	4	03	0	4	0	9	7	0									
	22	9905	13	11	05	03	04	74	4	02	0	4	0	9	7	0				04	11	138	0000	16	06
22	01	9908	14	12	07	28	05	74	8	03	1	8	5	5											
	04	9913	11	11	08	17	07	74	8	02	2	8	5	5											
	07	9912	02	01	501	09	13	74	2	01	1	0	0	9	0	1									
	10	9911	04	03	503	00	00	74	6	03	1	3	0	9	7	1									
	13	9908	10	08	01	18	10	74	6	02	2	6	0	9	7	0									
	16	9893	08	07	02	18	07	74	6	03	2	3	5	5	3	0									
	19	9888	12	11	08	00	00	74	6	02	2	3	5	5	3	0									
	22	9880	13	12	07	18	04	74	6	02	2	3	5	5	3	0				09	15	168	0000	14	01
23	01	9875	13	13	11	00	00	74	8	03	2	8	5	5											
	04	9872	13	13	11	02	08	60	7	70	2	7	5	5											
	07	9865	14	13	11	34	12	74	7	02	2	7	5	5											
	10	9861	12	11	08	09	05	74	7	02	2	7	5	5											
	13	9865	05	04	501	12	08	74	7	66	5	6	8	3	0	3									
	16	9863	02	01	504	15	07	62	2	01	2	2	0	9	2	0									
	19	9854	03	01	505	06	06	62	2	02	1	2	0	9	2	0									
	22	9848	03	02	505	07	10	74	0	02	0	2	0	9	2	0				11	15	166	0000	15	00
24	01	9850	03	02	503	07	11	74	1	02	1	0	0	9	0	5									
	04	9846	02	01	504	08	12	74	2	02	1	0	0	9	0	5									
	07	9838	01	00	504	00	00	74	1	02	0	0	0	9	0	5									
	10	9830	00	501	507	00	00	74	1	02	0	0	0	9	0	5									
	13	9820	00	501	506	00	00	74	1	02	1	1	5	6	0	0									
	16	9818	02	01	504	05	07	74	1	02	1	1	5	6	0	0									
	19	9800	501	502	505	00	00	74	2	03	0	2	5	5	0	0									
	22	9798	505	505	510	04	04	74	1	01	0	1	5	5	0	0				08	13	116	0000	04	508
25	01	9781	504	504	505	04	09	74	0	02	0	0	0	9	0	0									
	04	9775	508	508	511	04	07	74	2	33	0	2	5	5	0	0									
	07	9775	507	507	510	09	06	74	7	03	1	7	5	5	0	0									
	10	9779	503	503	505	00	00	74	6	02	2	6	5	5	0	0									
	13	9800	02	01	503	16	09	74	7	02	2	7	5	5	0	0									
	16	9816	05	04	00	21	08	74	4	02	2	4	5	6	0	0									
	19	9834	02	01	504	03	08	74	1	01	0	1	5	5	0	0									
	22	9856	06	05	501	04	04	74	1	02	0	1	5	5	0	0				16	14	148	0000	08	510
26	01	9902	05	04	501	03	13	74	3	02	0	0	0	9	0	5									
	04	9922	01	501	501	03	08	74	2	02	0	0	0	9	0	5									
	07	9942	503	503	506	00	00	74	0	02	0	0	0	9	0	0									
	10	9967	501	501	503	00	00	74	1	02	0	1	0	8	7	0									
	13	9975	02	01	503	18	04	74	2	02	1	2	5	6	0	0									
	16	9990	04	03	01	00	00	74	4	02	1	4	0	9	7	0									
	19	9992	10	10	08	09	20	62	5	02	2	4	0	9	7	0									
	22	10000	11	11	09	09	20	62	2	36	2	2	0	9	7	0				09	26	045	0000	15	505
27	01	10018	15	13	05	05	08	74	8	03	1	8	5	5											
	04	10017	12	11	11	11	22	74	8	36	3	8	5	5											
	07	10020	13	11	04	01	15	66	4	01	2	1	6	4	0	6									
	10	10021	12	10	04	00	00	74	7	03	2	1	6	4	0	6									
	13	10020	12	10	03	27	03	74	7	02	2	6	0	9	7	6									
	16	10010	14	13	10	11	27	59	8	36	2	8	5	6											
	19	9991	15	13	09	11	30	60	7	36	3	7	5	5											
	22	9998	13	12	08	09	22	60	8	36	3	8	5	5						10	40	573	0000	16	10

Results of Surface Observations,
WILKES – May, 1961

LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°× 10	kt	VV	Oktas	ww	w	Oktas.	C_L	h	C_M	C_H	D_L	D_M	D_H	°× 10	kt	St.miles	Points	°F	°F
28	01	9991	16	14	08	11	23	66	7	36	2	7	5	5											
	04	9998	16	14	07	17	13	74	8	02	3	8	5	5											
	07	10000	14	13	10	00	00	74	8	02	2	8	5	5											
	10	10002	14	12	09	18	04	74	8	02	2	8	5	5											
	13	10000	14	13	11	01	06	74	7	02	2	7	0	9	7	0									
	16	10000	17	16	13	00	00	62	2	01	2	2	0	9	7	0									
	19	10000	14	13	11	00	00	74	6	03	1	6	0	9	3	0									
	22	9990	07	07	04	00	00	74	4	01	2	4	0	9	3	0				11	23	130	0000	19	04
29	01	9973	06	06	06	00	00	74	7	02	2	0	0	9	0	7									
	04	9954	07	07	06	00	00	74	7	02	2	0	0	9	0	6									
	07	9939	04	03	502	00	00	62	2	02	2	2	0	9	7	0									
	10	9927	05	04	00	17	05	74	4	02	2	2	0	9	1	6									
	13	9920	04	03	502	00	00	74	6	02	2	5	0	9	2	6									
	16	9899	05	04	501	18	01	74	7	02	2	5	0	9	2	6									
	19	9897	06	05	02	03	01	74	7	02	2	0	0	9	0	6									
	22	9891	06	05	501	00	00	74	7	02	2	0	0	9	0	8				04	07	056	0000	10	01
30	01	9894	04	03	02	00	00	74	8	02	2	0	0	9	0	7									
	04	9898	04	03	501	02	08	74	5	01	2	0	0	9	0	6									
	07	9905	04	03	501	05	05	74	5	02	2	0	0	9	0	6									
	10	9912	06	05	00	06	05	74	5	02	2	0	0	9	0	6									
	13	9909	06	05	01	05	05	74	5	02	2	0	0	9	0	6									
	16	9913	05	04	00	06	07	74	5	02	2	0	0	9	0	6									
	19	9924	03	02	501	03	07	74	2	01	2	0	0	9	0	6									
	22	9924	03	02	504	03	09	74	2	02	0	0	0	9	0	6				05	09	147	0000	08	00
31	01	9921	03	01	506	07	09	74	0	02	0	0	0	9	0	0									
	04	9919	01	00	505	07	12	74	0	02	0	0	0	9	0	0									
	07	9920	501	502	507	05	07	74	2	02	1	2	0	9	7	0									
	10	9922	00	500	502	04	08	74	8	03	2	8	5	6											
	13	9922	00	501	506	03	08	74	8	02	2	8	5	5											
	16	9930	00	501	503	00	00	74	8	02	2	8	5	5											
	19	9942	02	01	504	03	15	74	8	02	7	8	5	5											
	22	9942	01	00	504	18	04	74	7	01	2	7	5	5						02	15	216	0000	05	504

Results of Surface Observations,
WILKES – Jun., 1961

LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
01	01	9939	506	506	510	09	15	74	2	02	1	2	5	6	0	0									
	04	9931	506	507	513	09	07	74	2	02	0	0	0	9	0	5									
	07	9922	507	508	513	00	00	74	2	02	0	2	0	9	3	0									
	10	9906	509	510	516	00	00	74	2	02	0	2	0	9	8	0									
	13	9891	508	508	515	00	00	74	0	02	0	0	0	9	0	0									
	16	9871	508	508	512	00	00	74	1	02	0	1	0	9	7	0									
	19	9854	503	504	511	07	04	74	0	01	0	0	0	9	0	0									
	22	9842	507	507	511	00	00	74	0	02	0	0	0	9	0	0				09	15	100	0000	04	510
02	01	9834	506	507	512	00	00	74	0	02	0	0	0	9	0	0									
	04	9823	506	507	511	00	00	74	0	02	0	0	0	9	0	0									
	07	9808	504	505	510	00	00	74	0	02	0	0	0	9	0	0									
	10	9799	506	507	511	08	02	74	0	02	0	0	0	9	0	0									
	13	9766	508	508	514	19	06	74	1	03	0	1	5	5	0	0									
	16	9730	510	510	514	00	00	74	1	02	0	1	5	5	0	0									
	19	9717	505	505	510	04	06	74	0	01	0	0	0	9	0	0									
	22	9701	508	509	515	00	00	74	0	02	0	0	0	9	0	0				16	06	082	0000	502	511
03	01	9689	508	509	515	05	04	74	0	02	0	0	0	9	0	0									
	04	9690	508	509	513	00	00	74	1	02	0	1	0	9	7	0									
	07	9707	506	507	511	04	07	74	7	02	2	7	0	9	3	0									
	10	9724	503	504	507	03	10	74	7	02	2	7	0	9	3	0									
	13	9762	505	505	509	03	12	74	8	03	2	3	5	5	2										
	16	9750	502	503	506	16	06	74	8	02	2	3	5	5	2										
	19	9715	05	04	00	15	06	66	8	71	2	8	5	5											
	22	9687	17	16	15	07	36	00	8	39	3	8	5	5						07	48	329	0000	17	512
04	01	9720	17	16	15	07	36	04	8	39	3	8	5	4											
	04	9761	19	19	18	07	30	16	8	39	3	8	5	4											
	07	9797	21	21	20	04	25	16	8	38	3	8	6	4											
	10	9801	24	24	24	07	27	16	8	38	3	8	6	4											
	13	9782	25	24	24	07	39	00	9	39	3														
	16	9780	26	26	25	07	35	00	8	39	3	8	6	4											
	19	9775	29	28	28	05	30	16	8	38	3	8	6	4											
	22	9793	30	30	29	36	22	56	8	36	3	8	5	4						09	48	951	0000	31	15
05	01	9894	18	18	18	02	18	48	8	36	3	8	5	4											
	04	9944	18	18	18	34	08	16	8	73	3	8	5	4											
	07	9976	14	13	12	16	06	74	8	02	7	8	5	4											
	10	9994	19	18	16	00	00	74	8	02	2	8	5	4											
	13	9993	28	28	27	07	22	48	8	36	3	8	5	4											
	16	9973	29	29	28	09	36	04	8	38	3	8	5	4											
	19	9959	31	31	30	09	40	07	8	36	3	8	5	4											
	22	9951	32	32	31	09	40	04	8	39	3	8	5	4						09	52	648	0030	32	11
06	01	9957	32	32	32	08	45	00	9	39	3														
	04	9961	30	30	30	08	47	00	9	39	3														
	07	9949	30	30	30	09	58	00	9	39	3														
	10	9949	29	29	29	09	65	00	8	37	3	8	5	4											
	13	9970	27	27	27	09	63	00	9	39	3														
	16	9991	29	29	28	09	66	00	9	39	3														
	19	10038	30	30	30	09	50	00	9	39	3														
	22	10047	28	28	28	09	54	00	9	39	3									09	83	1787	0000	32	26
07	01	10043	29	29	29	09	48	00	9	39	3														
	04	10013	29	29	29	10	55	00	9	39	3														
	07	10036	30	30	30	09	58	00	9	39	3														
	10	10092	29	28	27	18	15	66	8	02	3	8	5	4											
	13	10102	30	30	30	25	12	57	8	77	6	8	7	4											
	16	10104	30	30	30	16	06	57	8	77	7	8	7	4											
	19	10105	29	28	28	00	00	57	8	71	7	8	6	4											
	22	10090	26	26	25	20	55	74	3	01	1	3	5	4	0	0				09	74	772	0000	41	23
08	01	10064	22	21	18	14	03	62	0	01	1	0	0	9	0	0									
	04	10054	20	19	16	20	04	62	0	02	1	0	0	9	0	0									
	07	10060	17	15	08	18	13	74	1	03	0	1	0	9	7	0									
	10	10057	14	13	08	17	05	74	6	03	0	6	0	9	7	0									
	13	10039	13	11	04	16	06	74	4	01	1	4	0	9	7	0									
	16	10024	11	10	04	17	10	74	5	02	1	5	0	9	7	0									
	19	9999	10	09	05	18	13	74	5	02	2	5	0	9	7	0									
	22	9976	07	06	03	05	08	74	8	02	2	8	0	9	7					17	23	222	0001	25	05
09	01	9997	10	10	08	03	14	62	8	02	2	8	5	5											
	04	9991	04	03	01	16	15	62	6	22	7	8	5	5											
	07	9991	01	501	507	18	18	66	5	01	2	5	5	5											
	10	9961	502	503	508	17	16	74	2	01	2	2	5	4											
	13	9970	502	503	505	14	06	74	7	03	2	7	5	4											
	16	9971	504	505	511	04	11	74	2	02	1	2	5	4	0	0									
	19	9974	507	507	511	00	00	74	0	02	0	0	0	9	0	0									
	22	9969	507	508	517	09	09	74	0	02	0	0	0	9	0	0				17	39	158	0000	13	509

Results of Surface Observations,
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LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°× 10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°× 10	kt	St.miles	Points	°F	°F
10	01	9954	508	509	518	13	04	62	0	02	0	0	0	9	0	0									
	04	9949	510	510	519	00	00	62	0	02	0	0	0	9	0	0									
	07	9930	505	505	510	12	05	74	2	03	0	2	5	5	0	0									
	10	9919	01	00	507	14	13	74	7	03	1	7	5	5	0	0									
	13	9903	04	03	502	18	06	74	8	02	3	4	5	6	1	0									
	16	9894	05	04	00	12	09	74	8	02	2	8	5	5	5	0									
	19	9898	04	03	503	00	00	74	3	02	1	3	5	5	0	0									
	22	9885	02	01	502	15	12	74	0	01	0	0	0	9	0	0				11	28	346	0000	07	511
11	01	9873	07	05	502	16	10	62	2	02	0	2	0	9	1	0									
	04	9859	09	08	04	11	08	62	4	02	1	4	0	9	1	0									
	07	9841	05	04	501	16	08	74	8	03	2	8	0	9	2	0									
	10	9817	09	09	507	00	00	74	8	03	2	3	5	5	2	0									
	13	9795	10	09	06	00	00	74	8	02	2	8	5	5											
	16	9791	10	09	06	00	00	74	6	01	2	6	5	5	0	0									
	19	9788	10	10	07	14	05	65	4	02	2	4	5	5	0	0									
	22	9788	11	10	07	04	08	62	7	02	1	7	5	5						18	12	133	0000	13	00
12	01	9797	13	13	11	17	10	56	8	70	7	8	7	4											
	04	9805	15	14	12	10	06	56	8	70	7	8	7	4											
	07	9814	14	13	10	18	10	56	8	70	7	8	7	4											
	10	9826	11	11	11	19	10	66	8	71	7	8	6	4											
	13	9842	10	10	10	17	01	64	8	77	7	8	5	2											
	16	9858	11	11	11	14	07	64	8	73	7	8	7	2											
	19	9881	11	11	10	16	08	16	8	71	7	8	7	4											
	22	9896	13	13	13	00	00	16	8	73	7	8	7	4						18	22	143	0006	15	08
13	01	9919	11	11	11	17	04	56	8	70	7	8	7	4											
	04	9930	10	09	08	03	07	66	8	02	7	8	6	4											
	07	9945	11	11	10	04	06	16	8	73	2	8	6	4											
	10	9960	11	11	11	00	00	08	8	71	7	8	6	2											
	13	9960	07	07	05	00	00	32	7	02	2	7	6	4											
	16	9965	05	05	03	00	00	66	7	02	2	7	6	4											
	19	9966	503	503	503	00	00	74	1	01	1	1	6	4	0	0									
	22	9969	502	502	504	03	02	74	2	02	0	2	6	4	0	0				02	09	117	0083	15	508
14	01	9956	503	503	507	00	00	74	1	01	0	1	5	4	0	0									
	04	9947	508	509	512	18	02	74	1	02	0	1	5	4	0	0									
	07	9934	504	504	507	07	31	74	1	02	0	1	0	9	7	0									
	10	9934	504	504	504	00	00	00	8	45	4	8	6	4											
	13	9931	502	503	503	36	10	16	8	10	4	8	6	4											
	16	9931	501	501	502	02	14	57	8	71	7	8	6	4											
	19	9944	504	504	507	00	00	62	2	02	7	8	6	4											
	22	9940	505	505	511	05	08	62	2	02	2	2	6	4						02	22	144	0000	02	513
15	01	9934	510	510	513	09	06	74	0	01	0	0	0	9	0	0									
	04	9934	511	512	516	11	10	74	0	02	0	0	0	9	0	0									
	07	9940	514	514	517	16	08	74	0	02	0	0	0	9	0	0									
	10	9951	514	514	517	00	00	74	1	02	0	1	6	4	0	0									
	13	9955	512	512	516	00	00	74	1	02	0	1	6	4	0	1									
	16	9978	516	516	519	00	00	74	0	02	0	0	0	9	0	0									
	19	9994	514	515	523	00	00	74	0	02	0	0	0	9	0	0									
	22	10021	513	513	521	00	00	74	0	02	0	0	0	9	0	0				11	16	118	0000	505	519
16	01	10041	509	509	514	18	04	74	0	02	0	0	0	9	0	0									
	04	10034	505	506	511	16	04	74	5	03	0	5	5	5	0	0									
	07	10032	501	501	505	02	05	74	8	03	2	8	5	5											
	10	10041	00	500	505	32	02	74	8	02	2	8	6	5											
	13	10055	04	03	00	00	00	57	8	71	7	8	6	5											
	16	10060	03	03	02	34	05	57	8	71	7	8	6	5											
	19	10078	05	05	03	27	05	62	8	02	7	8	6	5											
	22	10007	06	05	04	00	00	62	8	02	2	3	6	5						11	16	106	0000	06	519
17	01	10100	06	05	02	02	12	56	8	02	2	8	5	5											
	04	10096	08	08	06	02	06	56	8	02	2	8	5	5											
	07	10076	09	09	07	06	17	08	8	36	2	8	5	5											
	10	10038	11	11	09	09	03	01	8	37	3	8	5	5											
	13	9958	15			09	42	00	9	39	3														
	16	9907	16			09	43	00	9	39	3														
	19	9835	18			09	53	00	9	39	3														
	22	9830	22			08	35	00	9	39	3									09	68	841	0010	22	03
18	01	9854	20			07	32	00	9	39	3														
	04	9865	17			02	24	00	9	39	3														
	07	9875	20	20	19	03	14	16	9	38	3	8	5	4											
	10	9880	20	20	18	03	11	56	9	02	7	8	6	4											
	13	9884	23	23	22	02	07	61	9	02	2	8	5	4											
	16	9881	22	22	22	36	10	45	9	02	7	8	5	4											
	19	9898	17	17	16	02	16	66	9	22	7	8	5	4											
	22	9898	15	15	13	02	14	66	9	02	2	8	5	4						02	38	368	0000	24	13

Results of Surface Observations,
WILKES — Jun., 1961

LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		inb × 10^{-1}	°F	°F	°F	°×10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
19	01	9893	15	15	15	05	09	55	8	00	3	8	8	4											
	04	9888	14	14	14	17	09	55	8	00	3	8	8	4											
	07	9851	11	11	11	05	08	15	8	44	4	8	5	4											
	10	9843	09	09	09	05	06	28	8	47	4														
	13	9823	08	08	08	09	03	28	8	45	4														
	16	9805	01	01	01	18	08	42	8	49	4	8	8	4											
	19	9792	505	505	508	00	03	74	8	01	3	8	8	4	00	00				03	38	132	0020	15	510
	22	9788	505	505	511	18	08	74	8	00	3	8	8	4											
20	01	9802	507	507	508	20	20	58	8	32	1	8	8	4	7	7									
	04	9795	508	508	511	20	13	74	4	00	3	8	8	4	7	7									
	07	9807	512	512	517	18	05	74	8	01	3	8	8	4	6	7									
	10	9822	506	506	509	20	16	74	1	00	3	1	8	4	7	7									
	13	9825	516	517	526	16	07	74	8	00	3	8	8	4	6	7									
	16	9827	518	519	525	15	05	74	8	00	3	8	8	4	6	7									
	19	9830	520	520	528	15	03	74	8	00	3	8	8	4	6	7									
	22	9824	516	517	521	15	13	74	8	00	3	8	8	4	6	7				20	26	291	0000	505	522
21	01	9821	513	513	517	10	02	74	8	02	3	8	8	4	6	7									
	04	9808	513	513	516	05	10	74	4	03	3	8	8	4	6	7									
	07	9791	517	517	522	07	05	74	1	02	3	1	8	4	6	7									
	10	9777	514	514	518	09	04	74	1	02	3	1	8	4	6	7									
	13	9742	509	510	516	15	09	74	2	02	3	2	8	4	6	7									
	16	9712	507	507	512	18	02	74	5	03	3	5	8	4	6	7									
	19	9701	502	503	507	18	08	74	5	03	1	8	5	5	6	7				17	17	230	0000	03	518
	22	9681	02	01	502	18	10	74	8	03	1	8	5	5	6	7									
22	01	9660	05	04	03	18	08	58	8	73	3	8	6	4											
	04	9631	14	14	14	20	01	32	8	75	3	8	6	4											
	07																								
	10																								
	13	9533	18			09	55	00	8	39	3	8	5	4											
	16	9525	19			10	37	00	8	39	3	8	5	4											
	19	9563	22	22	22	09	44	00	8	37	3	8	5	4											
	22	9610	25	25	25	09	42	00	8	37	3	8	5	4						09	74	1185	0010	26	02
23	01	9660	24	24	24	09	43	00	8	37	3	8	5	4											
	04	9680	22	21	21	09	47	00	8	73	3	8	5	4											
	07	9710	16	15	15	09	48	00	8	37	3	8	5	4											
	10	9726	15			09	55	00	8	36	3	8	5	4											
	13	9735	16			09	58	00	8	39	3	8	5	4											
	16	9771	16			11	44	00	8	39	3	8	5	4											
	19	9788	22	21	18	11	20	00	8	37	3	8	5	4											
	22	9791	19	18	17	19	05	00	8	03	3	8	5	4						10	74	1119	0000	28	14
24	01	9797	15	14	10	07	10	74	2	33	3	2	0	0	7										
	04	9802	12	11	05	11	07	74	1	03	3	1	0	0	7	00									
	07	9812	16	15	13	00	00	74	7	03	1	7	5	5											
	10	9818	22	20	16	00	00	55	8	71	3	8	5	5											
	13	9813	20	19	18	10	07	00	8	38	3	8	5	5											
	16	9821	19	19	17	11	33	00	8	38	3	8	5	5											
	19	9842	26	25	24	16	05	55	8	03	3	8	5	5						10	38	340	0000	26	09
	22	9850	22	21	19	16	02	55	8	03	3	8	5	5											
25	01	9849	15	14	10	18	07	58	7	71	1	7	5	5											
	04	9845	13	12	11	04	16	56	8	37	3	8	5	5	0										
	07	9832	10	10	09	05	14	74	8	03	3	8	5	5		0									
	10	9815	15	10	09	02	13	71	7	03	3	7	5	5											
	13	9798	07	06	03	09	05	74	7	03	3	7	5	5											
	16	9790	04	04	01	00	00	74	2	01	1	2	5	5	0										
	19	9781	501	501	505	08	10	74	1	03	3	1	0	0	4	0									
	22	9787	501	502	506	07	04	74	1	03	3	1	0	0	4	0				02	19	245	0010	25	507
26	01	9791	505	505	509	18	07	74	1	03	3	1	0	0	7	0									
	04	9800	508	508	511	18	12	74	7	03	1	7	5	5											
	07	9807	511	512	519	16	10	74	3	02	1	3	5	5	0	0									
	10	9811	511	512	518	16	10	74	3	02	3	3	5	5											
	13	9832	506	506	509	18	10	71	8	03	3	8	5	4											
	16	9855	505	505	507	16	08	74	8	03	3	8	5	4											
	19	9866	506	506	509	04	10	74	6	03	3	6	5	5	0	0				18	21	267	0000	10	514
	22	9869	508	508	511	18	06	74	7	03	3	7	5	5											
27	01	9864	510	510	511	00	00	74	5	02	3	5	5	5	8	0									
	04	9836	509	509	511	07	08	74	5	02	3	5	5	5											
	07	9822	506	506	509	36	12	74	8	02	3	8	5	5	7	0									
	10	9818	505	505	508	00	00	74	8	02	3	8	5	5											
	13	9809	505	505	508	00	00	74	8	02	3	8	5	4											
	16	9821	504	504	506	05	05	74	7	02	3	7	5	5											
	19	9841	506	507	510	03	13	74	8	03	3	8	5	5											
	22	9868	506	507	511	04	11	74	8	02	3	8	5	5						36	19	202	0000	04	515

Results of Surface Observations,
WILKES – Jun., 1961

LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
28	01	9881	504	504	507	00	00	74	7	00	3	7	5	5											
	04	9887	509	509	512	07	04	74	1	01	1	1	5	5	0										
	07	9888	508	508	511	18	05	74	2	02	0	2	0	9	1										
	10	9873	506	506	510	18	06	74	7	02	2	2	5	5	1										
	13	9870	504	504	507	00	00	74	7	02	2	2	5	5	1										
	16	9865	00	501	503	18	10	74	8	02	3	8	5	5											
	19	9875	07	07	06	34	01	58	8	73	7	8	5	4											
	22	9882	14	13	12	27	10	66	8	70	7	8	5	5						09	45	217	0000	16	513
29	01	9855	17			09	40	00	8	39	3	8	5	4											
	04	9840	17			09	42	00	8	39	3	8	5	4											
	07	9783	19			10	06	00	8	39	3	8	6	4											
	10	9762	19			10	61	00	8	39	3	8	6	4											
	13	9787	16	15	14	09	52	00	8	37	3	7	5	4	2										
	16	9800	21	21	20	09	44	00	8	37	3	7	5	4	2										
	19	9823	22	22	21	09	38	02	6	36	3	6	5	5	0	0									
	22	9847	24	22	17	09	35	66	7	02	2	7	5	5						09	45	1427	0027	25	05
30	01	9855	24	24	24	09	32	48	8	36	3	8	5	5											
	04	9867	25	24	22	18	18	74	8	02	2	8	5	5											
	07	9877	20	19	18	19	10	62	8	02	2	8	5	5											
	10	9862	18	17	14	06	04	74	8	02	2	8	5	5											
	13	9844	16	16	15	04	07	74	8	01	2	6	5	5	2										
	16	9827	15	15	14	04	10	74	3	01	2	3	5	5	0										
	19	9818	15	14	10	06	06	74	0	01	2	0	9	9	0	0									
	22	9807	13	12	07	09	07	74	1	02	3	1	9	9	4	0				09	43	315	0000	26	07

Results of Surface Observations,
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LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
01	01	9813	12	11	05	02	04	74	1	02	2	0	0	9	0	1								
	04	9817	10	09	05	00	00	74	1	02	2	0	0	9	0	1								
	07	9848	04	04	04	00	00	04	0	48	4	0	0	9	0	0								
	10	9871	10	10	08	00	00	62	8	02	4	8	5	5										
	13	9892	12	12	10	00	00	63	8	03	2	8	6	4										
	16	9908	14	13	12	11	04	63	8	02	2	8	6	4										
	19	9920	12	11	07	07	04	74	6	01	2	6	0	9	4	0								
	22	9934	10	09	04	04	07	74	5	02	2	5	0	9	7	0				02	17	404	0000	17	00
02	01	9943	11	10	05	07	10	74	8	02	2	0	0	9	0	7								
	04	9948	13	11	05	05	06	74	8	02	2	0	0	9	0	7								
	07	9941	17	15	09	07	17	62	8	02	3	8	5	5										
	10	9938	06	05	00	11	15	74	8	02	2	6	5	5	2									
	13	9922	19	18	15	04	26	63	8	36	3	8	5	4										
	16	9918	18	18	17	09	50	00	8	37	3	8	5	4										
	19	9922	20			09	50	00	8	39	3	8	5	4										
	22	9947	18			09	49	00	8	39	3	8	5	4						07	65	428	0000	21	03
03	01	9957	19	18	17	07	48	00	8	39	3	8	5	4										
	04	9958	21	20	19	08	50	00	8	39	3	8	5	4										
	07	9973	21	21	19	09	40	00	8	37	3	8	5	4										
	10	9969	19			09	48	04	8	36	3	8	5	4										
	13	9952	20			09	44	00	8	37	3	8	5	4										
	16	9938	21			09	56	00	8	37	3	8	5	4										
	19	9915	22			09	58	00	8	39	3	8	5	4										
	22	9910	24			09	52	04	8	39	3	8	5	4						09	73	622	0000	24	18
04	01	9899	28			09	50	00	8	39	3	8	5	4										
	04	9890	30			09	54	00	8	39	3	8	5	4										
	07	9892	31			09	54	00	8	37	3	8	5	4										
	10	9910	29			09	46	00	8	37	3	8	5	4										
	13	9920	30	30	28	08	50	58	8	36	3	8	5	4										
	16	9944	33	31	28	09	45	58	7	36	3	7	5	5										
	19	9967	29	29	26	08	44	58	7	36	3	7	5	5										
	22	9978	30	29	28	09	42	00	8	37	3	8	5	5						09	67	308	0000	35	24
05	01	9981	28	27	26	09	37	15	8	39	3	8	5	5										
	04	9963	31	30	29	09	45	16	8	39	3	8	5	5										
	07	9940	29			09	58	16	8	37	3	8	5	5										
	10	9948	26			09	58	16	8	37	3	8	5	5										
	13	9953	25	24	22	09	60	32	5	36	3	5	5	5										
	16	9951	24	23	22	09	59	32	7	36	3	7	5	5										
	19	9944	24			09	52	36	8	36	3	8	5	5										
	22	9924	25			09	50	32	8	36	3	8	5	5						09	79	557	0000	33	23
06	01	9933	26	25	23	14	27	16	8	38	3	8	5	5										
	04	9901	24	23	21	14	33	48	8	38	3	8	5	5										
	07	9885	26			09	40	00	8	37	3	8	5	5										
	10	9876	22			09	45	00	8	39	3	8	5	5										
	13	9887	21	20	18	09	41	00	5	37	3	4	0	9	7	4								
	16	9903	22	21	19	09	39	66	6	02	3	6	0	9	7	0								
	19	9931	24	23	21	09	28	66	7	02	2	7	5	5										
	22	9976	27	26	29	00	00	74	8	02	0	8	5	5						16	66	115	0000	27	20
07	01	10010	25	24	22	29	08	66	8	02	2	8	5	5										
	04	10019	19	17	14	06	10	66	0	01	1	0	0	9	0	0								
	07	10044	20	19	16	02	12	66	8	03	0	8	5	5										
	10	10047	17	16	14	09	06	74	6	01	2	2	5	5	3	0								
	13	10035	20	18	12	05	06	74	7	03	2	7	6	5										
	16	9987	21	20	19	09	33	00	8	37	3	8	5	4										
	19	9971	24	23	23	07	38	00	8	39	3	8	5	4										
	22	9981	23	22	21	05	28	15	8	36	3	9	5	4						07	53	780	0000	29	08
08	01	10002	21	20	19	05	25	24	8	38	3	8	5	5										
	04	10015	19	18	16	03	26	16	8	38	3	8	5	5										
	07	10028	18	18	18	05	15	04	8	73	2	8	7	4										
	10	10028	17	17	17	08	10	56	8	71	7	8	7	4										
	13	10025	12	12	10			74	7	02	7	7	5	5										
	16	10001	09	09	07	16	04	74	4	01	2	4	5	5	0	0								
	19	9971	13	12	10	02	13	74	6	02	1	6	5	5	0	0								
	22	9940	16	10	10	18	10	74	6	02	2	6	5	5	0	0				05	39	542	0015	25	06
09	01	9902	10	09	07	16	12	66	3	02	2	3	5	5	0	0								
	04	9854	10	10	07	17	06	66	2	02	2	2	5	5	0	0								
	07	9822	13	12	10	05	07	66	8	02	2	8	5	5										
	10	9789	21	20	17	20	06	66	8	02	2	8	6	4										
	13	9755	23	21	19	09	22	48	8	36	3	8	5	4										
	16	9729	24	22	19	09	30	32	8	36	3	8	5	4										
	19	9720	24	24	23	10	30	32	8	38	3	8	5	4										
	22	9715	23	22	20	10	15	62	8	02	3	8	5	5						09	40	322	0020	27	08

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LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		ub × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
10	01	9722	22	22	21	18	08	53	8	03	2	8	5	4											
	04	9704	22	22	22	10	35	58	8	72	7	8	7	4											
	07	9703	21	21	20	10	41	00	8	38	3	8	5	4											
	10	9726	24	23	23	32	07	50	8	02	3	9	5	4											
	13	9738	22	21	20																				
	16	9755	21	19	13	16	10	56	8	71	7	9	6	4											
	19	9752	16	15	13	09	35	16	8	38	3	9	6	4											
	22	9763	16	15	13	09	40	00	8	39	3	9	6	4						09	55		0000	28	13
11	01	9781	14	14	14	09	43	56	8	37	3	9	5	4											
	04	9783	14	14	13	09	50	08	8	37	3	9	5	4											
	07	9788	13	13	12	09	51	00	8	37	3	9	5	4											
	10	9769	13	13	12	10	53	00	8	38	3	9	5	4											
	13	9723	10			09	70	00		39	3														
	16	9697	08			10	78	00		39	3														
	19	9664	10			10	78	00		39	3														
	22	9636	09			10	67	00		39	3									09	98		0002	17	05
12	01	9597	10			09	86	00		39	3														
	04	9584	11			09	86	00		39	3														
	07	9572	11			11	79	00		39	3														
	10	9611	11			10	75	00		39	3														
	13	9619	17			09	60	56	8	36	3	8	5	4											
	16	9681	17	16	14	09	48	56	8	36	3	8	5	4											
	19	9721	15	15	13	10	48	16	8	39	3	8	5	5											
	22	9754	15	15	13	10	45	16	8	39	3	8	5	5						59	05		0000	18	07
13	01	9768	16	15	13	09	44	16	8	37	3	8	5	5											
	04	9780	16	15	13	09	42	16	8	37	3	8	5	5											
	07	9820	18	17	15	11	32	32	8	36	3	8	5	5											
	10	9844	18			18	10	48	8	73	7	8	6	4											
	13	9860	18	17	15	14	07	32	8	71	7	8	6	4											
	16	9878	14	13	12	18	12	32	8	71	7	8	6	4											
	19	9895	13	12	10	18	09	32	8	71	7	8	6	5											
	22	9909	14	13	12	27	04	32	8	71	7	8	6	5						09	52	443	0000	19	11
14	01	9909	10	09	08	18	03	74	8	02	2	8	6	5											
	04	9915	10	10	10	18	06	58	9	71	7	8	7	6											
	07	9900	09	09	09	16	09	66	8	71	7	8	6	4											
	10	9900	10	10	08	21	03	74	8	02	7	8	5	5											
	13	9848	17	16	14	09	25	08	8	37	2	8	5	4											
	16	9808	16	16	16	09	35	00	8	39	3	8	5	4											
	19	9758	15	15	15	09	40	00	9	39	3	8	6	4											
	22	9674	14	14	14	09	60	00		39	3									09	82	338	0017	18	07
15	01	9634	11	11	11	09	73	00		39	3														
	04	9630	13	13	13	09	56	00		39	3														
	07	9659	10	10	09	09	41	00	8	38	3	8	5	4											
	10	9666	15	13	09	09	20	74	7	02	3	6	5	5	7										
	13	9696	17	17	17	11	05	56	8	73	7	8	6	4											
	16	9720	17	17	17	00	00	32	8	73	7	8	6	4											
	19	9749	18	17	16	00	00	61	8	22	7	8	7	5											
	22	9775	18	17	16	32	07	61	8	02	2	8	7	5						08	89	005	0005	20	06
16	01	9798	15	15	15	04	08	16	8	72	7	8	7	4											
	04	9800	16	15	12	16	08	63	8	70	2	8	6	5											
	07	9795	18	17	13	35	12	74	7	02	2	7	5	5											
	10	9775	17	17	16	09	38	00		39	3														
	13	9764	17			09	46	00		39	3														
	16	9741	18			09	55	00		39	3														
	19	9740	19			09	56	00		39	3														
	22	9740	20			09	54	00		39	3									09	71	607	0022	22	13
17	01	9750	21	19	13	09	40	16	8	36	5	8	5	5											
	04	9766	21	19	14	10	22	65	8	02	3	8	5	5											
	07	9781	23	23	22	25	08	58	8	71	7	8	5	6											
	10	9798	16	16	16	18	16	32	8	36	3	8	6	5											
	13	9805	13	13	12	16	12	74	7	02	2	1	6	4	7	5									
	16	9814	08	07	04	18	13	74	2	01	2	2	5	5	0	0									
	19	9817	07	06	04	18	20	74	0	01	0	0	0	9	0	0									
	22	9842	00	500	502	18	28	74	0	02	0	0	0	9	0	0				09	54	650	0000	26	501
18	01	9859	01	01	505	20	18	74	2	03	0	2	0	9	7	0									
	04	9878	03	02	502	20	25	74	3	02	0	3	0	9	7	0									
	07	9902	03	03	02	22	20	74	0	02	0	0	0	9	0	0									
	10	9926	01	01	501	18	15	74	7	03	1	5	0	9	7	5									
	13	9939	01	500	509	00	00	74	8	02	2	5	0	9	2	5									
	16	9933	06	06	05	02	09	74	8	02	2	5	0	9	7	5									
	19	9924	07	06	03	02	18	32	8	38	3	8	6	5											
	22	9874	18	17	16	08	21	16	8	38	3	8	5	5						07	36	528	0000	21	502

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LOCAL STANDARD TIME			TEMPERATURES			SURFACE WIND							LOW CLOUD					DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST				EXTREME TEMPERATURES	
DAY	HOUR	STATION LEVEL PRESSURE	DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED	VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER		AMOUNT	TYPE	BASE	MIDDLE CLOUD	HIGH CLOUD	LOW	MIDDLE	HIGH	DIRECTION	SPEED	ANEMOMETER WIND RUN	PRECIPITATION	MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	W		Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
19	01	9856	20	19	18	03	25	66	8	72	7		8	5	4											
	04	9869	17	17	16	03	17	74	8	02	3		8	5	5											
	07	9855	19	19	15	18	15	74	7	02	2		7	5	6											
	10	9840	21	20	19	09	10	66	8	02	2		8	6	6											
	13	9853	11	11	10	05	22	16	8	37	7		8	6	5											
	16	9872	11	11	10	23	03	32	8	72	3		8	6	5											
	19	9892	07	07	07	00	00	32	8	70	7		8	7	5											
	22	9904	06	06	06	18	04	58	8	02	7		8	6	5						03	32	295	0000	22	02
20	01	9905	04	04	03	21	01	74	7	03	2		7	5	5											
	04	9901	03	03	01	17	09	74	8	03	2		8	5	5											
	07	9901	02	02	01	16	06	74	8	02	2		8	6	4											
	10	9905	06	05	04	07	13	63	8	02	2		8	6	5											
	13	9913	05	05	05	02	10	48	8	46	2		8	6	5											
	16	9913	03	03	03	04	05	61	8	02	4		8	6	5											
	19	9909	01	01	501	02	02	66	8	02	2		8	6	5											
	22	9893	02	01	501	05	06	66	8	02	2		8	6	5						18	16	091	0042	06	502
21	01	9870	00	500	502	17	09	66	8	02	2		8	6	5											
	04	9848	01	01	00	27	02	66	8	02	2		8	6	5											
	07	9824	502	503	505	18	06	66	8	02	2		8	5	5											
	10	9806	502	502	504	16	06	74	8	02	2		8	6	5											
	13	9779	505	505	508	16	04	74	8	02	2		8	6	5											
	16	9768	509	509	509	09	12	48	7	48	2		7	6	5											
	19	9750	507	507	507	07	10	16	8	70	2		8	7	4											
	22	9732	511	511	511	07	18	58	8	36	7		8	6	4						07	21	125	0000	02	514
22	01	9738	510	510	512	06	08	66	7	01	2		7	5	4											
	04	9737	518	518	522	13	05	74	5	01	2		5	5	5	0	0									
	07	9740	518	519	523	07	06	74	1	01	1		1	0	9	7	0									
	10	9742	517	517	520	00	00	74	7	03	1		3	5	5	7										
	13	9741	521	521	527	10	08	74	2	02	2		2	5	5	0	0									
	16	9736	526	526	531	12	04	74	1	01	2		1	5	5	0	0									
	19	9741	522	522	528	16	04	74	1	02	0		1	5	5	0	0									
	22	9739	518	519	523	17	07	74	2	03	0		2	0	9	2	0				02	18	024	0000	509	527
23	01	9731	516	517	522	12	03	74	2	02	0		2	0	9	2	0									
	04	9719	518	519	523	17	04	74	2	02	0		2	0	9	2	0									
	07	9710	511	511	515	18	08	74	7	03	1		7	5	5											
	10	9692	510	511	516	09	14	62	8	71	7		8	5	5											
	13	9678	507	507	511	18	10	66	5	01	7		6	5	4											
	16	9672	512	513	518	00	00	74	1	01	0		1	5	5	0										
	19	9662	512	512	516	07	08	74	1	02	0		1	0	9	3	0									
	22	9655	507	507	509	16	02	74	7	03	0		7	0	9	1					18	20	015	0000	504	524
24	01	9663	510	510	513	02	06	74	0	01	1		0	0	9	0	0									
	04	9674	507	508	512	05	14	74	1	02	0		1	0	9	7	0									
	07	9694	502	503	505	35	09	74	5	02	2		6	0	9	7	0									
	10	9723	513	513	516	04	20	48	6	36	2		6	5	5	0	0									
	13	9749	513	513	516	04	20	48	6	36	3		6	5	5	0	0									
	16	9786	513	513	515	02	16	74	7	36	3		6	5	5	4	0									
	19	9818	512	512	514	02	15	74	7	02	3		7	5	5											
	22	9851	512	513	515	04	18	74	7	02	2		7	0	9	1					05	25	506	0000	502	517
25	01	9874	510	511	515	05	11	74	8	02	2		0	0	9	0	7									
	04	9883	508	509	512	18	10	66	8	02	2		8	6	5											
	07	9877	506	506	508	16	10	48	8	71	7		8	6	5											
	10	9861	505	505	507	17	13	48	8	71	7		8	6	5											
	13	9802	09	09	09	09	38	00		39	3															
	16	9777	10	10	10	08	45	00		39	3															
	19	9778	13	13	13	09	44	00		39	3															
	22	9771	16			09	41	00		39	3										09	65	891	0000	20	511
26	01	9763	21			09	36	00		39	3															
	04	9748	22			07	45	00		39	3															
	07	9730	22			07	45	00		39	3															
	10	9720	23			07	43	00		39	3															
	13	9717	26			09	42	00		39	3															
	16	9748	20			05	28	00		39	3															
	19	9767	20	19	17	03	24	58	7	36	3		7	5	4											
	22	9777	17	17	16	36	14	74	8	02	3		8	5	4						06	60	025	0000	28	14
27	01	9749	20	20	20	05	23	66	8	02	2		8	0	9	1										
	04	9711	20	20	20	05	32	02	8	37	3		8	5	4											
	07	9631	20			07	55	00		39	3															
	10	9589	20			07	66	00		39	3															
	13	9604	20			07	52	00	8	37	3		8	5	4											
	16	9704	14	14	14	29	20	04	8	75	7		8	7	1											
	19	9750	10	10	09	27	15	32	8	02	7		8	6	2											
	22	9780	08	08	07	27	12	58	8	71	7		8	6	4						09	92	558	0000	28	06

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LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°× 10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°× 10	kt	St.miles	Points	°F	°F
28	01	9798	08	07	04	31	12	57	8	73	7	8	6	4											
	04	9811	03	02	01	09	14	74	8	02	2	8	5	5											
	07	9812	06	05	03	09	08	48	8	71	7	8	6	5											
	10	9798	08	08	08	16	07	16	8	73	7	8	6	5											
	13	9754	12	12	12	07	32	04	8	72	7	8	7	4											
	16	9772	16	16	16	05	28	04	8	70	7	8	7	4											
	19	9812	04	04	04	24	09	58	8	71	7	8	6	4											
	22	9802	05	05	04	17	10	66	8	02	7	8	6	4						07	44	062	0000	18	501
29	01	9780	07	07	06	18	10	74	7	02	2	7	5	5											
	04	9750	09	09	07	18	06	74	8	02	2	8	5	5											
	07	9721	09	09	07	14	03	74	7	02	2	7	5	5											
	10	9707	13	12	11	00	00	15	7	22	7	7	5	5											
	13	9675	13	12	10	09	34	04	7	37	2	5	5	5	0	1									
	16	9652	13	13	11	09	35	04	8	37	3	8	5	5											
	19	9655	12	12	11	09	37	04	7	38	3	7	5	4											
	22	9686	14	14	14	27	13	66	8	71	3	8	5	5						08	46	884	0032	18	01
30	01	9694	09	09	09	16	10	56	8	73	7	8	6	5											
	04	9685	04	04	04	00	00	74	5	01	2	5	0	9	7	0									
	07	9673	501	501	504	00	00	62	1	01	1	1	0	9	3	0									
	10	9648	06	05	02	00	00	66	7	03	1	7	5	5											
	13	9642	08	07	05	13	18	32	7	37	2	7	5	5											
	16	9612	08	08	08	10	33	00	8	38	3	8	5	4											
	19	9607	09	09	09	09	42	04	8	39	3	8	5	4											
	22	9625	09	09	09	09	46	04	8	39	3	8	5	4						09	62	631	0007	12	504
31	01	9637	10	10	10	10	44	00	8	39	3	8	6	4											
	04	9645	07	07	07	10	50	04	8	39	3	8	6	4											
	07	9695	13	13	11	00	00	58	8	02	3	8	5	4											
	10	9730	11	11	11	11	15	08	8	73	2	8	7	1											
	13	9763	03	03	02	16	24	08	8	36	7	8	6	3											
	16	9791	12	11	09	36	06	74	7	01	2	7	5	5											
	19	9823	08	08	07	00	00	74	6	02	2	0	0	9	0	6									
	22	9843	05	05	02	00	00	74	2	01	1	0	0	9	0	5				09	64	483	0000	16	02

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LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
01	01	9866	502	502	506	00	00	74	0	02	1	0	0	9	0	0									
	04	9900	502	502	507	12	04	74	1	02	0	1	5	5	0	0									
	07	9919	505	506	509	20	10	74	1	02	0	1	5	5	0	0									
	10	9940	508	509	514	18	10	74	1	03	0	1	5	5	0	0									
	13	9959	511	512	517	16	14	74	1	02	0	0	0	9	0	5									
	16	9960	512	512	514	18	22	74	1	02	0	0	0	9	0	5									
	19	9971	511	511	514	16	07	74	3	03	0	0	0	9	0	5									
	22	9969	508	509	512	16	10	74	3	02	0	0	0	9	0	5				18	30		0000	02	514
02	01	9957	503	503	507	17	18	74	3	02	1	3	6	5	0	0									
	04	9944	02	01	501	16	07	74	3	02	1	3	6	5	0	0									
	07	9929	503	504	507	16	11	74	3	02	0	3	6	5	0	0									
	10	9905	503	503	504	16	12	62	8	03	1	8	0	8	2										
	13	9875	503	503	505	15	08	74	8	02	2	8	0	8	2										
	16	9864	00	00	501	00	00	66	8	02	2	8	0	8	2										
	19	9861	03	02	506	05	12	56	8	02	2	8	0	8	2										
	22	9879	502	502	504	05	06	74	0	01	1	0	0	9	0	0				16	27		0000	04	508
03	01	9891	501	501	503	00	00	62	8	02	2	8	6	5											
	04	9891	503	503	505	15	07	62	8	02	2	8	0	9	2										
	07	9901	504	504	506	18	04	74	7	02	2	7	5	5											
	10	9908	501	501	502	16	03	74	8	02	2	7	5	5	5										
	13	9920	502	502	504	04	12	74	8	02	2	7	5	5	5										
	16	9940	505	505	507	20	07	74	7	70	7	7	6	5											
	19	9953	509	510	515	00	00	74	0	01	1	0	0	9	0										
	22	9957	513	513	516	18	09	74	0	02	0	0	0	9	0	0				07	18		0000	03	514
04	01	9936	515	515	520	12	03	74	0	02	0	0	0	9	0	0									
	04	9917	517	517	523	17	13	74	0	02	0	0	0	9	0	0									
	07	9895	517	518	522	07	05	74	1	03	0	1	5	5	0	0									
	10	9864	518	518	523	18	08	74	1	02	0	1	5	5	0	0									
	13	9827	516	516	519	17	07	66	2	02	0	1	5	5	0	5									
	16	9783	518	518	521	18	09	62	1	02	0	1	6	0	0	0									
	19	9737	519	519	521	16	22	62	0	02	0	0	0	9	0	0									
	22	9685	516	516	520	18	11	74	0	02	0	0	0	9	0	0				16	42		0000	506	522
05	01	9622	518	518	525	16	30	61	0	02	0	0	0	9	0	0									
	04	9585	518	518	525	17	30	61	0	02	0	0	0	9	0	0									
	07	9561	519	519	524	07	10	74	1	03	0	1	5	5	0	0									
	10	9572	516	517	524	05	08	74	2	03	0	2	5	5	0	0									
	13	9572	511	512	520	08	13	74	7	03	0	2	5	5	7	0									
	16	9602	508	509	515	34	05	74	7	02	1	7	0	8	7										
	19	9653	509	509	514	05	12	66	8	71	7	8	0	8	7										
	22	9719	513	513	518	09	22	66	0	01	1	0	0	9	0	0				16	41		0000	06	524
06	01	9737	514	514	517	10	25	08	0	38	3	0	0	9	0	0									
	04	9764	512	512	514	10	25	48	0	38	3	0	0	9	0	0									
	07	9748	504	504	504	09	16	04	8	72	7	8	7	1											
	10	9740	504	504	504	09	20	04	8	70	7	8	7	2											
	13	9727	502	503	504	09	24	04	7	38	3	7	6	3											
	16	9716	506	506	510	00	00	74	2	01	1	1	5	5	7	0									
	19	9704	506	506	510	09	05	74	0	02	1	0	0	9	0	0									
	22	9685	503	503	505	00	00	66	8	71	7	8	5	5						07	35		0000	08	514
07	01	9680	502	503	507	06	10	74	8	02	7	8	5	4											
	04	9673	503	504	508	05	10	74	8	02	2	8	5	4											
	07	9657	503	503	505	05	10	74	8	02	0	8	5	5											
	10	9642	503	503	505	04	13	66	8	70	2	8	5	5											
	13	9620	506	506	508	06	11	62	7	02	2	7	5	5											
	16	9611	505	505	508	03	11	62	8	02	2	8	5	5											
	19	9612	505	505	507	08	08	62	0	01	1	0	0	9	0	0									
	22	9613	510	510	514	12	18	62	0	02	0	0	0	9	0	0				05	19		0000	02	514
08	01	9621	512	512	515	02	04	74	0	02	0	0	0	9	0	0									
	04	9632	512	513	519	00	00	74	0	02	0	0	0	9	0	0									
	07	9629	513	514	520	13	07	74	1	02	0	1	5	5	0	0									
	10	9611	510	511	516	17	05	74	1	02	0	1	0	9	5	0									
	13	9594	509	509	514	00	00	74	1	02	0	4	0	9	7	0									
	16	9581	507	508	511	08	05	74	7	03	1	5	5	5	4	1									
	19	9587	500	500	502	05	06	66	8	71	7	8	6	5											
	22	9566	502	502	503	05	04	66	8	71	7	8	6	4						07	14		0000	00	518
09	01	9570	00	500	502	35	05	58	8	70	7	8	7	4											
	04	9586	507	508	511	04	10	63	8	02	7	8	6	4											
	07	9599	505	505	505	05	06	57	8	70	2	8	6	4											
	10	9619	506	506	507	06	11	58	7	70	7	6	6	4	3	0									
	13	9644	507	507	509	05	10	74	6	02	2	6	0	9	7	0									
	16	9666	510	510	511	05	08	74	2	01	1	1	0	9	7	1									
	19	9688	510	510	514	01	02	74	1	01	1	1	0	9	3	0									
	22	9706	513	513	517	04	06	74	0	02	1	0	0	9	0	0				05	14		0000	02	511

Results of Surface Observations,
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LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
10	01	9720	511	511	516	00	00	74	0	00	0	0	0	9	0	0									
	04	9732	508	509	515	09	02	74	0	00	0	0	0	9	0	0									
	07	9739	503	503	505	00	00	74	5	03	0	0	0	9	0	5									
	10	9739	06	05	00	15	07	74	7	00	2	0	0	9	0	5									
	13	9727	07	05	501	05	08	74	8	00	2	0	0	9	0	7									
	16	9722	08	07	00	09	07	74	8	00	2	0	0	9	0	5									
	19	9719	09	08	05	15	10	74	2	01	1	0	0	9	0	5									
	22	9710	09	08	06	10	12	74	0	00	1	0	0	9	0	0				11	24		0000	10	515
11	01	9700	12	11	07	16	07	74	5	03	0	5	5	5	0	0									
	04	9700	11	10	04	00	00	74	5	02	2	5	5	5	0	0									
	07	9707	14	14	12	18	15	58	8	71	2	8	6	4											
	10	9708	14	13	08	19	15	58	8	02	3	8	6	4											
	13	9719	18	17	16	36	10	63	8	02	7	8	8	5											
	16	9731	13	12	10	16	08	63	8	02	2	8	6	5											
	19	9734	08	08	08	17	10	48	8	71	7	8	6	5											
	22	9720	11	11	11	17	12	48	8	71	7	8	6	5						18	40		0000	21	02
12	01	9690	14	14	14	09	32	04	8	37	2	8	5	5											
	04	9652	17			09	42	00		39	3														
	07	9642	18	18	17	09	38	00		39	3														
	10	9650	19	19	17	09	33	16	7	37	3	7	5	5											
	13	9651	22	20	16	09	20	56	8	02	3	7	6	5	7	0									
	16	9668	21	20	18	00	00	74	7	02	2	7	0	8	7	0									
	19	9683	19	17	14	00	00	62	1	01	1	1	0	9	3	0									
	22	9703	19	18	16	05	10	62	0	02	1	0	0	9	0	0				09	73		0001	22	10
13	01	9728	19	18	16	00	00	74	8	03	0	8	5	5											
	04	9758	18	17	15	07	04	74	8	02	0	8	5	5											
	07	9781	19	19	17	05	02	74	8	02	2	8	6	5											
	10	9811	20	20	20			32	8	73	2	8	6	2											
	13	9842	17	17	16	32	06	56	7	71	7	7	6	4											
	15	9860	12	12	12	36	05	74	7	02	2	7	0	8	7	0									
	19	9886	10	09	07	34	07	71	8	03	2	8	0	9	7										
	22	9892	09	09	07	34	06	74	8	03	2	8	5	5						03	12		0000	24	06
14	01	9920	08	07	06	31	04	74	8	02	2	8	5	5											
	04	9930	08	07	06	00	00	74	8	02	2	8	5	5											
	07	9938	09	08	07	00	00	74	7	02	2	7	5	5											
	10	9935	13	13	12	00	00	74	7	02	2	7	6	5											
	13	9908	17	16	12	02	08	74	7	02	2	7	6	5											
	16	9852	16	16	15	07	42	04	8	38	3	8	6	4											
	19	9790	16			09	50	02	8	39	3	8	6	4											
	22	9762	17			08	48	00		39	3									08	68		0002	20	06
15	01	9763	18			09	42	00		39	3														
	04	9766	18	18	17	09	22	00	8	38	3	8	5	4											
	07	9782	15	14	14	00	00	74	8	02	7	8	6	5											
	10	9788	13	11	08	00	00	74	3	01	1	1	6	4	0	5									
	13	9807	08	07	02	04	09	74	8	02	2	1	6	5	0	7									
	16	9815	14	13	12	36	10	74	7	02	2	6	5	5	0	5									
	19	9807	14	13	11	16	09	74	5	02	2	5	5	5	0	0									
	22	9785	21	21	21	05	05	74	8	03	2	8	5	5						08	57		0000	23	06
16	01	9739	23	23	22	09	27	00	8	37	3	8	5	5											
	04	9686	21	21	20	09	45	00		39	3														
	07	9664	21	21	21	09	42	00		39	3														
	10	9624	23	23	23	09	60	00		39	3														
	13	9570	20	20	20	09	58	00		39	3														
	16	9550	20	20	20	09	50	00	8	39	3	7	5	5	2										
	19	9550	22	22	22	09	33	00	8	38	3	8	5	5											
	22	9542	23	22	20	07	18	58	8	02	3	8	5	5						09	78		0000	26	19
17	01	9555	19	18	16	34	16	66	8	02	2	8	5	5											
	04	9585	18	18	17	35	19	66	8	70	2	8	6	4											
	07																								
	10	9700	16	15	11	02	18	66	8	02	2	8	6	5											
	13	9746	18	17	12	05	17	66	6	02	2	6	5	5											
	16	9764	20	18	14	06	11	62	8	02	2	8	7	4											
	19	9777	22	21	20	09	10	63	8	02	2	8	5	4											
	22	9766	21	20	18	02	18	63	8	02	7	8	5	4						03	31		0000	24	15
18	01	9768	20	19	18	16	02	74	8	02	2	8	5	5											
	04	9765	20	18	13	10	11	74	8	02	2	8	5	5											
	07	9754	16	16	16	16	10	32	8	73	7	8	6	4											
	10	9742	15	15	15	00	00	60	7	71	7	7	6	5											
	13	9741	18	18	18	23	10	48	8	71	7	8	7	4											
	16	9744	18	17	16	02	05	61	8	02	7	8	5	5											
	19	9760	14	13	12	02	07	66	8	02	2	8	5	5											
	22	9769	12	11	10	07	10	65	8	02	2	8	5	5						03	31		0010	22	08

Results of Surface Observations,
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LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°× 10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°× 10	kt	St.miles	Points	°F	°F
19	01	9771	12	11	08	07	15	56	7	36	3	7	5	5											
	04	9755	15	14	13	09	26	16	8	36	3	8	5	5											
	07	9724	17	16	15	08	40	00	8	37	3	8	5	5											
	10	9713	16	15	16	09	47	00	8	39	3	8	5	5											
	13	9685	14	14	14	09	59	00	8	39	3	8	5	5											
	16	9674	14	14	14	09	57	00	8	39	3	8	5	5											
	19	9626	15	15	15	09	69	00		30	3														
	22	9605	17	17	17	09	70	00		39	3									09	95		0007	19	12
20	01	9598	17	17	17	09	65	00	8	39	3														
	04	9597	19	18	17	09	71	00	8	39	3														
	07	9581	19	19	19	09	73	00	8	39	3	8		5	4										
	10	9556	18	18	18	09	66	00	8	39	3	8		5	4										
	13	9553	18	18	18	09	75	00	8	37	3	8		5	4										
	16	9558	18	18	18	09	70	00	8	37	3	8		5	4										
	19	9574	18	17	14	10	64	58	5	36	3	5		9	7	0									
	22	9584	17	16	13	11	61	58	6	36	3	6		9	7	0				09	93		0000	20	15
21	01	9514	19	19	17	11	48	56	9	02	3	3		8	4										
	04	9644	19	18	17	11	38	60	9	02	3	8		9	7	7									
	07	9669	21	19	16	11	35	66	9	02	3	8		9	2										
	10	9710	20	19	17	11	35	66	9	02	3	8		9	2										
	13	9746	22	21	19	11	21	74	9	02	5	5	6	2											
	16	9770	20	19	16	14	07	66	5	02	3	4	5	5	2	0									
	19	9797	21	19	16	29	01	74	7	03	1	7	5	5											
	22	9818	14	13	10	15	07	74	4	01	2	1	5	5	7	0				11	56		0000	26	11
22	01	9834	15	14	12	00	00	74	9	02	2	8	5	5											
	04	9838	12	11	08	00	00	74	7	02	1	7	5	5											
	07	9853	13	13	10	24	02	74	8	02	2	8	5	5											
	10	9862	13	12	10	00	00	74	8	01	2	7	5	5	2										
	13	9863	13	13	11	23	04	74	7	02	2	7	5	5											
	16	9867	14	14	12	16	06	74	8	03	2	8	5	5											
	19	9882	07	07	07	18	05	74	9	02	2	8	6	4											
	22	9894	06	06	06	16	05	74	9	71	7	8	5	4						18	10		0000	23	03
23	01	9905	06	06	06	18	10	74	9	02	7	8	5	5											
	04	9917	08	08	08	18	04	74	9	02	2	8	5	5											
	07	9936	10	09	05	08	12	56	6	02	2	6	5	5	0	0									
	10	9948	13	12	07	17	10	66	8	02	2	8	5	5											
	13	9940	10	09	06	16	12	74	8	02	2	8	5	5											
	16	9930	08	07	05	20	06	74	8	02	2	8	5	5											
	19	9893	13	11	07	16	15	74	8	02	2	8	5	5											
	22	9826	18	17	17	10	54	74	8	38	3	8	5	5						09	84		0000	18	03
24	01	9778	19	19	19	09	68	00		39	3														
	04	9786	19	19	19	09	62	00		39	3														
	07	9822	20	18	14	09	50	62	6	02	3	6	5	5	0	0									
	10	9840	19	17	14	09	45	62	6	02	2	6	5	5											
	13	9817	30	28	25	11	25	74	8	03	2	8	5	5											
	16	9752	20	19	19	09	61	16	8	37	3	8	5	5	2										
	19	9719	21	20	18	11	58	53	8	36	3	8	5	5	2										
	22	9649	22	21	19	11	71	04	8	39	3	8	5	5						11	98		0000	31	12
25	01	9687	27	27	26	25	10	58	8	88	2	8	6	5											
	04	9709	24	24	24	00	00	16	8	75	7	8	6	4											
	07	9763	23	22	21	04	25	56	8	36	7	8	6	5											
	10	9800	26	25	23	06	25	48	4	36	3	1	6	5	2	1									
	13	9849	26	25	23	07	19	66	5	36	3	2	5	5	2	0									
	16	9877	24	23	21	09	30	66	4	36	3	2	5	5	2	0									
	19	9913	24	22	16	09	18	66	5	36	3	3	5	5	2	0									
	22	9945	22	21	18	00	00	74	6	02	2	5	5	5	2	0				11	38		0004	30	19
26	01	9968	24	23	22	30	04	74	1	01	1	1	6	4	0	0									
	04	9985	17	16	13	05	10	74	2	02	0	1	6	4	0	1									
	07	10000	09	08	03	07	10	74	2	02	0	0	0	9	0	1									
	10	10004	14	12	07	17	10	74	1	02	0	0	0	9	0	1									
	13	10002	14	13	08	18	18	74	0	03	0	0	0	9	0	0									
	16	10018	14	12	06	16	14	74	7	03	0	5	0	9	7	2									
	19	10039	15	12	03	20	13	74	3	01	1	2	0	9	9	0									
	22	10039	08	07	00	18	09	74	2	02	0	0	0	9	0	5				18	22		0000	28	06
27	01	10032	08	07	04	16	09	74	0	02	0	0	0	9	0	0									
	04	10032	10	09	03	00	00	74	5	03	1	0	0	9	0	6									
	07	10042	18	17	12	02	20	62	3	36	2	3	0	9	2	0									
	10	10042	13	12	09	16	08	62	8	02	2	8	0	9											
	13	10018	13	12	07	17	09	74	8	02	2	8	5	5											
	16	9991	12	11	10	14	08	58	8	70	2	8	6	4											
	19	9963	17	16	14	25	14	16	8	73	7	8	6	4											
	22	9990	17	17	17	25	12	58	8	71	7	8	5	4						03	34		0000	20	06

Results of Surface Observations,
WILKES – Aug., 1961

LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
28	01	10012	15	15	14	03	05	52	8	02	7	8	6	4											
	04	10015	14	14	14	03	08	52	8	02	3	8	6	4											
	07	10013	13	13	11	07	07	56	8	02	3	8	6	4											
	10	9972	17	16	15	31	08	58	8	02	3	8	6	4											
	13	9903	20	20	20	06	35	00	8	39	3	8	5	4											
	16	9900	20	20	20	06	38	00		39	3														
	19	9917	20	20	18	03	28	58	8	36	3	8	6	5											
	22	9936	17	17	16	05	30	56	8	02	3	8	6	4						07	54		0023	23	12
29	01	9988	16	15	14	04	12	52	8	02	3	8	6	5											
	04	10017	17	16	13	07	10	52	8	02	3	8	6	5											
	07	10034	12	11	08	18	04	74	7	03	3	7	5	4											
	10	10030	08	07	05	20	10	74	8	03	3	8	5	4											
	13	10015	15	13	08	02	14	74	8	02	3	1	6	4	1										
	16	9991	13	11	06	18	08	74	9	02	3	1	6	4	1										
	19	9949	14	13	10	18	03	74	8	02	3	8	6	5											
	22	9851	20	20	20	09	44	00		39	3									09	64		0000	23	06
30	01	9828	21	21	21	08	42	00		39	3														
	04	9863	18	18	18	35	25	00		39	3														
	07	9898	16	16	16	04	25	08	8	36	3	8	6	4											
	10	9915	16	16	15	04	20	16	8	36	3	8	6	4											
	13	9949	18	18	17	02	20	58	8	36	3	8	6	4											
	16	9971	19	19	19	02	11	74	8	02	2	8	6	4											
	19	10007	18	18	17	05	08	74	8	71	7	8	6	4											
	22	10019	16	15	12	00	00	74	8	02	2	8	0	8	1					07	57		0000	24	13
31	01	10035	13	12	09	00	00	52	3	02	2	3	0	9	2	0									
	04	10032	12	11	08	17	10	52	4	02	2	4	0	9	2	0									
	07	10035	07	07	05	16	10	74	8	03	2	8	5	5											
	10	10030	12	11	09	14	02	74	8	02	2	5	5	6	2										
	13	10018	13	12	09	11	04	74	6	02	2	1	0	9	7	6									
	16	10001	09	09	06	00	00	74	4	01	2	2	0	9	4	5									
	19	9987	04	04	02	16	10	74	4	02	2	0	0	9	0	5									
	22	9971	02	02	501	18	10	74	4	02	2	0	0	9	0	5				16	19		0000	19	00

Results of Surface Observations,
WILKES – Sep., 1961

LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
01	01	9947	00	501	505	17	12	66	0	02	0	0	0	9	0	0									
	04	9920	03	01	504	17	14	60	4	02	0	4	0	9	2	0									
	07	9901	02	01	505	16	12	66	6	02	1	6	0	9	3	0									
	10	9880	05	04	501	16	04	74	2	01	0	1	6	4	4	0									
	13	9870	06	06	04	18	09	74	1	02	0	0	0	9	0	5									
	16	9857	06	05	00	18	15	74	4	02	0	3	0	9	4	4									
	19	9839	08	07	07	00	00	74	6	03	1	6	0	9	4	0									
	22	9836	04	04	02	16	10	74	5	02	2	5	0	9	4	0				18	22		0000	09	502
02	01	9835	08	07	02	20	06	66	0	02	2	0	0	9	0	0									
	04	9830	09	08	05	20	06	66	1	02	2	1	0	9	7	0									
	07	9837	09	08	04	18	08	61	8	03	2	2	5	5	2										
	10	9826	11	10	09	18	10	66	8	70	7	8	7	4											
	13	9824	15	13	09	00	00	58	8	71	7	8	6	4											
	16	9828	15	14	11	20	08	58	8	71	7	8	6	4											
	19	9839	14	14	13	18	06	66	8	02	7	8	6	4											
	22	9850	21	21	20	18	07	66	8	02	2	8	6	4						18	20		0000	21	02
03	01	9857	15	14	13	00	00	62	8	02	2	8	6	5											
	04	9865	15	15	13	01	07	62	8	02	2	8	6	5											
	07	9878	11	11	10	17	08	62	8	02	2	8	6	5											
	10	9878	09	08	05	18	08	66	8	02	2	8	5	5											
	13	9384	08	08	07	18	09	66	7	71	7	7	5	4											
	16	9887	12	11	09	00	00	74	8	02	7	8	5	4											
	19	9891	11	10	07	18	04	74	8	02	2	8	5	4											
	22	9890	10	09	08	18	08	74	8	71	7	8	5	5						18	12		0009	21	06
04	01	9888	11	11	09	00	00	66	8	02	7	8	5	5											
	04	9882	08	07	06	18	04	66	8	02	2	8	5	5											
	07	9881	09	09	07	00	00	66	8	02	2	7	5	5	2										
	10	9866	11	10	07	00	00	74	8	02	2	1	6	4	1										
	13	9852	11	10	08	07	08	74	8	02	2	1	6	5	1										
	16	9825	14	13	13	18	10	74	8	02	2	1	6	5	0										
	19	9805	06	05	00	15	06	66	5	02	2	0	0	9	0	7									
	22	9800	07	06	04	00	00	66	5	02	2	0	0	9	0	6				18	13		0000	15	05
05	01	9785	07	06	03	16	07	74	4	03	0	0	0	9	0	8									
	04	9762	06	05	02	16	12	74	6	03	2	0	0	9	0	8									
	07	9759	07	06	04	18	17	74	7	02	2	0	0	9	0	8									
	10	9777	07	07	05	16	08	74	6	02	2	0	0	9	0	6									
	13	9750	12	11	06	00	00	74	5	02	2	0	0	9	0	6									
	16	9744	08	07	05	00	00	74	2	01	1	0	0	9	0	5									
	19	9755	04	03	502	17	10	66	1	02	1	0	0	9	0	5									
	22	9754	05	04	502	17	02	66	0	02	2	0	0	9	0	0				16	21		0000	15	00
06	01	9753	10	09	06	17	10	74	0	02	2	0	0	9	0	0									
	04	9750	10	09	04	17	12	74	0	02	2	0	0	9	0	0									
	07	9751	17	15	10	18	18	74	5	03	1	5	5	4	0	0									
	10	9758	20	18	14	18	12	74	8	03	2	7	5	4	7										
	13	9753	21	20	18	18	27	74	7	02	2	6	5	4	7										
	16	9755	23	21	17	13	15	74	7	02	2	7	8	4											
	19	9742	28	27	24	18	15	62	8	02	2	8	5	5											
	22	9746	17	15	11	16	16	61	8	02	2	8	5	4						14	37		0000	34	00
07	01	9714	22	20	16	16	10	66	8	02	2	8	5	5											
	04	9670	16	15	12	16	30	66	8	02	2	8	5	5											
	07	9662	24	22	18	00	00	74	7	02	2	4	5	5	4	1									
	10	9637	22	21	18	09	45	00	7	39	3	2	5	5	0	0									
	13	9668	24	23	21	09	30	63	7	36	3	4	5	4	0	5									
	16	9698	23	22	20	02	25	66	7	02	2	5	0	8	7	5									
	19	9733	21	20	18	10	30	58	8	36	3	5	5	5	7										
	22	9748	23	22	21	09	35	48	8	36	3	8	5	5						27	13		0000	27	13
08	01	9780	21	20	18	09	34	16	8	36	3	8	5	4											
	04	9818	23	22	20	09	22	48	8	36	3	8	5	4											
	07	9848	22	21	21	15	07	48	8	71	7	8	6	4											
	10	9878	21	21	20	00	00	48	8	71	7	8	6	3											
	13	9909	19	18	18	13	11	74	4	01	1	1	6	4	0	2									
	16	9931	17	15	13	11	07	74	7	02	2	6	0	9	7	1									
	19	9946	17	16	15	07	20	32	5	36	3	5	0	9	7	0									
	22	9950	21	21	19	06	20	56	3	36	3	3	0	9	7	0				09	50		0000	27	17
09	01	9926	22	22	21	09	34	16	8	36	3	8	5	4											
	04	9820	24	24	24	09	55	00		39	3														
	07	9777	24	24	23	09	70	00		39	3														
	10	9757	24	23	23	09	72	00		39	3														
	13	9782	23	22	21	09	42	00	8	39	3	8		6	3										
	16	9729	22	22	20	09	65	00	8	39	3	8		6	3										
	19	9767	25	24	22	09	47	48	0	36	3	0		0	9	0	0								
	22	9767	28	28	27	09	35	48	0	36	3	0		0	9	0	0			09	89		0003	28	19

Results of Surface Observations,
WILKES – Sep., 1961

LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
10	01	9752	28	27	26	09	40	32	2	36	3	2	5	4	0	0									
	04	9767	28	27	26	08	30	32	4	36	3	2	5	4	0	0									
	07	9787	30	29	27	05	20	74	8	03	2	8	5	5											
	10	9801	30	29	28	05	17	58	8	02	2	8	5	4											
	13	9813	29	29	28	04	12	48	8	71	7	8	5	4											
	16	9829	29	29	28	07	12	61	8	02	2	8	5	5											
	19	9841	27	26	26	04	12	66	8	02	2	8	5	5											
	22	9850	26	25	24	07	17	66	8	02	2	8	5	5						07	58		0000	32	25
11	01	9855	25	24	20	04	05	66	8	02	2	8	5	5											
	04	9860	20	19	17	16	09	60	8	70	2	8	5	4											
	07	9864	15	15	14	16	11	66	8	02	2	8	5	4											
	10	9869	14	12	08	16	14	66	8	02	7	8	5	4	1										
	13	9868	17	15	13	17	06	66	8	02	2	8	5	5											
	16	9871	18	17	15	00	00	66	8	02	2	8	5	5											
	19	9875	18	17	15	02	02	56	8	02	2	8	5	5											
	22	9875	20	19	17	36	05	66	8	02	2	8	5	5						16	16		0001	27	12
12	01	9876	18	17	16	00	00	66	8	02	2	8	5	5											
	04	9876	09	09	07	16	06	74	2	01	2	2	5	5											
	07	9873	06	04	502	00	00	74	0	02	2	0	0	9	0	0									
	10	9894	11	10	07	09	04	74	1	02	2	1	6	4	0	0									
	13	9931	10	10	08	14	07	48	8	70	7	8	6	3											
	16	9974	09	08	01	00	00	74	5	02	7	5	5	5	0	0									
	19	10005	05	03	505	04	05	74	1	01	1	1	5	5	0	0									
	22	10039	02	01	506	00	00	74	0	02	0	0	0	9	0	0				04	22		0000	19	503
13	01	10059	00	501	505	00	00	74	0	02	0	0	0	9	0	0									
	04	10070	505	505	510	00	00	74	0	02	0	0	0	9	0	0									
	07	10081	01	00	506	02	10	74	1	02	0	1	5	4	0	0									
	10	10094	04	03	501	18	08	74	1	02	0	0	0	9	0	5									
	13	10086	06	04	505	17	08	74	5	02	1	0	0	9	0	6									
	16	10080	06	04	505	14	03	74	5	02	1	0	0	9	0	6									
	19	10064	500	502	512	16	04	74	1	01	0	1	5	5	0	0									
	22	10059	500	501	511	00	00	74	1	02	0	1	5	5	0	0				18	15		0000	08	506
14	01	10054	05	03	505	16	09	74	6	03	0	6	5	5	0	0									
	04	10060	06	04	504	03	05	74	6	02	1	6	5	5	0	0									
	07	10071	09	08	03	05	06	74	7	02	2	7	5	5	0	0									
	10	10076	14	12	08	00	00	74	8	02	2	8	0	9	1	2									
	13	10078	12	11	08	01	05	74	8	02	2	8	0	9	2	7									
	16	10067	11	10	05	00	00	74	7	02	2	7	0	9	7	7									
	19	10060	08	07	02	07	02	74	6	02	2	6	0	9	7	7									
	22	10049	04	03	00	00	00	74	5	01	1	5	0	9	7	0				18	11		0000	15	01
15	01	10028	02	01	502	14	04	74	3	01	1	3	0	9	7	0									
	04	10010	02	02	00	14	02	74	1	01	1	1	0	9	7	0									
	07	9993	05	04	00	00	00	74	3	02	0	1	0	9	0	6									
	10	9979	08	07	04	00	00	74	6	03	1	3	0	9	7	6									
	13	9957	11	10	07	00	00	74	7	02	2	7	0	9	7										
	16	9933	11	10	07	17	07	74	7	02	2	7	0	9	7										
	19	9912	11	10	06	16	02	74	7	03	2	7	0	9	7										
	22	9889	11	10	08	04	02	74	7	02	2	7	0	9	7					18	10		0000	21	02
16	01	9875	15	15	15	18	11	32	8	77	7	8	6	4											
	04	9875	14	14	14	18	10	08	8	75	7	8	6	2											
	07	9878	16	15	14	18	08	08	8	75	7	8	6	3											
	10	9880	15	15	14	18	10	57	8	02	7	8	6	4											
	13	9887	19	19	18	36	06	61	8	02	7	8	6	5											
	16	9892	17	17	16	00	00	48	8	71	7	8	6	4											
	19	9902	11	10	08	00	00	63	8	02	7	8	6	4											
	22	9902	10	10	08	09	04	53	8	02	2	8	6	4						18	20		0111	20	09
17	01	9893	15	14	12	06	02	58	8	71	2	8	6	4											
	04	9880	17	16	12	16	05	58	8	02	7	8	6	4											
	07	9860	18	17	15	09	10	66	8	02	7	8	5	4											
	10	9833	17	16	16	16	12	00	8	39	2	8	6	4											
	13	9788	18	18	16	09	48	00		39	3														
	16	9782	15	15	14	09	54	00		39	3														
	19	9786	15	15	14	09	48	00		39	3														
	22	9785	15	15	14	09	53	00		39	3									09	68		0050	21	09
18	01	9792	15	15	14	09	55	00	8	39	3	8	5	4											
	04	9829	20	19	16	22	14	58	8	73	3	8	5	4											
	07	9836	19	18	17	14	07	61	8	02	2	6	6	4	2										
	10	9820	19	19	17	18	09	61	8	02	2	6	6	4	2										
	13	9804	20	20	19	27	06	58	8	70	2	8	6	4											
	16	9780	18	17	16	32	04	58	8	70	7	8	7	4											
	19	9769	13	13	13	15	10	58	8	71	7	9	6	4											
	22	9759	14	14	14	15	09	58	8	73	7	8	6	4						09	69		0000	22	11

Results of Surface Observations,
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LOCAL STANDARD TIME			TEMPERATURES			SURFACE WIND						LOW CLOUD					DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST				EXTREME TEMPERATURES	
DAY	HOUR	STATION LEVEL PRESSURE	DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED	VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	AMOUNT	TYPE	BASE	MIDDLE CLOUD	HIGH CLOUD	LOW	MIDDLE	HIGH	DIRECTION	SPEED	ANEMOMETER WIND RUN	PRECIPITATION	MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
19	01	9751	16	15	13	13	10	48	8	73	7	8	6	4											
	04	9756	16	15	16	00	00	48	8	75	7	8	6	4											
	07	9771	12	11	08	14	14	55	8	02	7	6	6	5	2										
	10	9782	16	15	14	30	10	55	6	40	2	2	6	5	7	6									
	13	9799	17	16	13	27	07	74	7	02	2	1	6	5	7	6									
	16	9818	09	08	05	02	04	74	5	03	2	2	1	4	7	0									
	19	9849	09	09	08	07	07	74	7	03	1	5	8	4	7	0									
	22	9862	11	11	09	09	03	66	8	03	2	8	5	5						09	46		0011	19	08
20	01	9868	13	12	09	02	12	74	8	02	2	8	5	4											
	04	9890	13	12	09	13	10	74	8	02	2	8	5	6											
	07	9896	11	11	10	00	00	56	8	71	7	8	5	4											
	10	9900	12	11	09	00	00	61	8	02	7	8	6	4											
	13	9905	13	12	09	00	00	66	8	02	7	8	6	4											
	16	9908	10	09	06	16	02	66	8	03	2	8	6	4											
	19	9916	10	09	08	36	07	66	8	02	2	8	5	5											
	22	9921	05	04	02	00	00	66	7	01	2	7	5	5						05	18		0000	15	01
21	01	9914	05	05	04	00	00	66	8	71	7	8	0	9	1	0									
	04	9913	07	06	03	00	00	66	8	71	7	8	5	5											
	07	9915	05	05	05	00	00	48	8	71	7	8	7	3											
	10	9910	07	07	07	04	07	48	8	71	7	8	7	4											
	13	9896	07	07	05	35	04	66	7	01	7	7	7	5											
	16	9888	02	01	503	05	07	66	6	02	2	3	5	5	3	0									
	19	9871	00	501	501	03	05	66	7	02	2	7	5	5											
	22	9862	00	00	00	02	03	58	8	03	2	8	6	4						05	11		0000	10	503
22	01	9853	01	501	502	05	06	58	8	71	7	8	5	4											
	04	9849	01	00	503	00	00	58	7	71	7	7	5	4											
	07	9830	02	02	01	16	08	74	7	02	2	7	5	4											
	10	9817	04	03	01	14	04	66	6	02	2	6	5	5	0	0									
	13	9800	05	04	02	36	05	66	6	02	2	6	5	5	0	0									
	16	9788	05	04	02	01	14	48	8	36	2	8	5	5											
	19	9788	04	04	03	01	11	66	7	02	2	7	5	5											
	22	9788	03	03	01	05	12	66	8	02	7	8	5	5						02	21		0005	06	503
23	01	9793	02	02	502	07	07	74	7	01	2	7	5	4											
	04	9797	03	03	01	16	10	74	8	03	2	8	5	4											
	07	9793	06	05	03	00	00	74	6	02	2	6	5	5	0	0									
	10	9782	04	03	503	17	08	74	8	01	2	2	0	9	7	0									
	13	9770	08	06	00	17	08	61	8	03	2	8	5	5											
	16	9762	10	10	10	13	10	58	8	73	7	8	6	4											
	19	9746	12	12	12	09	34	00	9	39	7														
	22	9761	14	14	14	17	13	32	8	71	3	8	6	4						09	47		0000	18	501
24	01	9772	14	13	11	18	12	58	8	71	7	8	5	4											
	04	9791	13	13	13	18	14	58	8	71	7	8	5	4											
	07	9797	15	14	12	05	03	61	8	02	7	8	5	5											
	10	9811	19	19	19	27	03	16	8	71	7	8	5	4											
	13	9820	15	15	15	28	09	16	8	73	7	8	6	4											
	16	9835	14	14	14	30	08	16	8	73	7	8	6	4											
	19	9842	14	14	13	00	00	48	8	71	7	8	6	4											
	22	9848	14	14	14	00	00	48	8	71	7	8	6	4						18	20		0011	19	11
25	01	9856	15	15	14	00	00	32	8	71	7	8	5	4											
	04	9859	20	20	19	00	00	32	8	71	7	8	5	4											
	07	9863	20	20	20	00	00	32	8	75	7	8	6	4											
	10	9870	21	21	21	21	04	16	8	75	7	8	6	3											
	13	9863	20	20	20	18	04	16	8	73	7	8	6	3											
	16	9858	13	13	13	34	10	16	8	71	7	7	6	3											
	19	9849	10	10	09	00	00	58	8	71	7	8	6	4											
	22	9830	12	11	10	14	12	58	8	71	7	8	6	4						22	15		0127	24	08
26	01	9821	08	08	08	02	08	48	8	10	7	8	6	5											
	04	9806	09	09	09	36	03	48	8	10	4	8	6	5											
	07	9799	07	07	07	00	00	48	8	71	4	8	7	5											
	10	9788	10	09	08	00	00	48	8	71	7	8	0	8											
	13	9788	11	10	09	00	00	66	8	02	7	0	0	9	0	7									
	16	9784	09	08	07	14	04	74	8	03	2	8	0	9	7										
	19	9780	06	06	06	00	00	74	7	02	7	7	0	9	7										
	22	9780	06	06	05	05	05	74	8	02	2	8	0	9	7					03	09		0047	17	04
27	01	9788	05	05	04	03	08	56	8	10	2	8	0	9	7										
	04	9793	05	05	03	03	08	61	8	02	4	8	0	9	7										
	07	9799	05	05	05	02	06	52	8	10	2	8	0	9	7										
	10	9806	07	07	06	36	06	16	8	71	2	8	6	5											
	13	9808	14	14	13	36	07	74	8	02	7	8	5	5											
	16	9825	08	07	07	03	09	74	8	02	2	8	8	4											
	19	9832	07	07	06	05	10	74	7	02	2	7	5	5											
	22	9840	07	07	06	03	10	74	8	02	2	8	5	5						03	15		0000	14	01

Results of Surface Observations,
WILKES – Sep., 1961

LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	° × 10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	° × 10	kt	St.miles	Points	°F	°F
28	01	9856	07	06	04	05	10	61	8	02	2	8	5	5										
	04	9870	05	05	03	13	08	61	8	02	2	8	5	5										
	07	9884	01	01	501	18	08	61	8	02	2	8	5	5										
	10	9901	01	01	501	17	11	74	7	01	2	7	5	6										
	13	9913	14	13	11	18	10	74	4	01	1	4	5	5	0	0								
	16	9918	01	00	502	18	04	74	1	01	1	1	0	9	5	0								
	19	9923	509	509	510	00	00	74	1	02	0	0	0	9	0	5								
	22	9932	510	510	515	00	00	74	0	02	0	0	0	9	0	0				16	15		0000	07	513
29	01	9941	511	511	516	15	03	62	0	02	0	0	0	9	0	0								
	04	9949	511	511	516	05	04	62	0	02	0	0	0	9	0	0								
	07	9956	505	506	514	00	00	74	4	02	1	0	0	9	0	5								
	10	9959	02	01	504	13	10	74	1	02	0	0	0	9	0	5								
	13	9945	06	05	501	05	05	74	2	02	0	0	0	9	0	5								
	16	9925	502	503	511	05	03	74	2	02	0	0	0	9	0	5								
	19	9917	506	506	511	00	00	74	2	02	0	0	0	9	0	5								
	22	9908	506	507	513	00	00	74	5	02	1	0	0	9	0	6				16	13		0000	10	515
30	01	9887	505	506	514	18	02	74	0	02	1	0	0	9	0	0								
	04	9880	505	506	514	16	06	74	3	02	1	2	0	9	7	5								
	07	9866	506	507	512	05	03	74	8	02	1	2	0	9	7	7								
	10	9852	11	09	04	21	05	74	8	02	2	0	0	9	0	7								
	13	9839	11	10	08	00	00	74	8	02	2	0	0	9	0	7								
	16	9829	07	07	05	00	00	74	8	02	2	0	0	9	0	7								
	19	9822	02	01	501	00	00	74	3	01	1	0	0	9	0	5								
	22	9806	02	01	503	14	12	74	3	02	0	0	0	9	0	5				16	22		0000	14	509

Results of Surface Observations,
WILKES – Oct., 1961

LOCAL STANDARD TIME			TEMPERATURES			SURFACE WIND						LOW CLOUD					DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST				EXTREME TEMPERATURES	
DAY	HOUR	STATION LEVEL PRESSURE	DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED	VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	AMOUNT	TYPE	BASE	MIDDLE CLOUD	HIGH CLOUD	LOW	MIDDLE	HIGH	DIRECTION	SPEED	ANEMOMETER WIND RUN	PRECIPITATION	MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	° × 10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	° × 10	kt	St.miles	Points	°F	°F
01	01	9792	00	501	507	14	10	74	0	02	1	0	0	9	0	0									
	04	9775	501	502	508	18	01	74	2	02	0	0	0	9	0	2									
	07	9757	502	502	505	16	20	74	4	02	0	0	0	9	0	6									
	10	9732	03	03	00	14	25	74	3	37	3	0	0	9	0	5									
	13	9691	03	03	02	16	30	74	2	02	0	0	0	9	0	5									
	16	9674	08	08	01	11	35	04	0	37	3	0	0	9	0	0									
	19	9696	505	505	509	11	28	00	0	37	3	0	0	9	0	0									
	22	9686	506	507	511	14	32	08	0	39	3	0	0	9	0	0				16	52		0000	10	512
02	01	9657	510	510	516	15	25	61	0	02	3	0	0	9	0	0									
	04	9642	511	511	517	15	32	32	0	37	3	0	0	9	0	0									
	07	9649	508	508	510	20	12	66	2	02	3	1	7	4	0	5									
	10	9655	502	502	504	17	08	74	1	01	0	1	1	4	0	0									
	13	9626	505	505	508	16	20	74	1	02	0	1	2	4	0	0									
	16	9646	508	508	511	16	30	58	1	36	3	1	6	3	0	0									
	19	9686	510	511	516	16	17	66	1	02	0	1	5	3	0	1									
	22	9708	513	514	525	16	20	74	0	02	1	0	0	9	0	0				16	43		0000	501	514
03	01	9721	515	515	521	16	30	74	0	02	0	0	0	9	0	0									
	04	9722	516	516	519	16	12	74	0	02	0	0	0	9	0	0									
	07	9721	513	513	517	36	10	74	1	02	0	1	5	4	0	0									
	10	9724	505	506	510	01	06	74	7	03	1	7	5	5											
	13	9722	505	505	509	02	06	74	6	02	2	6	5	5	0	0									
	16	9721	507	507	510	05	08	74	5	02	2	5	5	5	0	0									
	19	9724	512	512	513	00	00	74	5	02	2	5	5	5	0	0									
	22	9724	513	513	515	16	02	74	0	01	1	0	0	9	0	0							0000	503	520
04	01	9718	512	512	513	03	02	74	0	02	0	0	0	9	0	0									
	04	9721	512	512	513	07	05	74	3	03	0	3	4	5	0	0									
	07	9722	510	510	514	16	08	74	7	02	2	7	5	5											
	10	9721	504	504	506	01	08	74	7	02	2	7	5	5											
	13	9721	504	505	510	36	10	58	8	71	7	8	5	5											
	16	9721	504	505	511	02	07	63	7	02	7	7	5	5											
	19	9717	509	509	511	09	04	74	7	02	2	7	5	5											
	22	9709	508	508	510	04	04	74	5	02	2	5	5	5	0	0				07	14		0000	503	517
05	01	9705	512	512	514	00	00	74	0	01	1	0	0	9	0	0									
	04	9705	508	509	508	15	05	74	7	03	1	7	6	5											
	07	9710	510	510	514	07	09	74	1	01	1	1	0	8	3										
	10	9726	505	505	509	06	09	74	2	02	0	2	4	6	0	0									
	13	9730	505	505	508	16	06	74	1	02	0	1	1	4	0	0									
	16	9730	506	507	513	09	05	74	1	02	0	1	1	4	0	0									
	19	9730	511	511	518	02	08	74	1	02	0	1	1	4	0	0									
	22	9730	514	514	521	07	11	74	0	01	1	0	0	9	0	0				07	15		0000	502	516
06	01	9733	515	515	521	06	07	74	0	02	0	0	0	9	0	0									
	04	9732	517	517	521	04	02	74	0	02	0	0	0	9	0	0									
	07	9728	511	512	518	00	00	74	1	02	0	1	5	4	0	0									
	10	9727	505	506	514	02	05	74	1	02	0	1	5	4	0	0									
	13	9732	504	505	511	02	04	74	1	02	0	1	5	4	0	0									
	16	9741	506	507	511	02	06	74	1	02	0	1	5	4	0	0									
	19	9747	513	514	519	05	08	74	1	02	0	1	1	4	0	0									
	22	9751	515	515	522	04	05	74	0	01	1	0	0	9	0	0				03	09		0000	502	519
07	01	9758	516	516	525	07	05	74	0	02	0	0	0	9	0	0									
	04	9761	517	518	524	07	16	74	1	02	0	1	0	9	4	0									
	07	9768	512	513	523	05	16	74	1	02	0	1	0	8	4	0									
	10	9773	508	509	513	06	14	74	2	03	0	1	1	5	5	0									
	13	9773	503	504	512	07	07	74	1	03	0	1	1	5	0	0									
	16	9776	506	507	514	14	06	74	5	03	1	5	5	5	0	0									
	19	9783	515	515	519	11	08	74	1	01	1	1	5	5	0	0									
	22	9788	519	519	526	12	09	74	0	01	1	0	0	9	0	0				07	22		0000	503	520
08	01	9794	512	513	520	12	11	74	0	02	0	0	0	9	0	0									
	04	9805	514	514	518	18	04	74	0	02	0	0	0	9	0	0									
	07	9816	507	508	519	00	00	74	0	02	0	0	0	9	0	0									
	10	9831	501	502	508	03	05	74	0	02	0	0	0	9	0	0									
	13	9844	00	01	504	03	08	74	2	02	1	2	1	5	0	0									
	16	9853	02	01	505	27	08	74	2	02	0	2	2	5	0	0									
	19	9858	503	503	506	27	10	74	2	02	0	2	5	5	0	0									
	22	9862	506	506	509	20	06	74	0	01	1	0	0	9	0	0				10	22		0000	03	518
09	01	9861	510	510	512	27	03	74	0	02	0	0	0	9	0	0									
	04	9861	516	516	519	00	00	74	0	02	0	0	0	9	0	0									
	07	9864	512	512	514	15	05	74	0	02	0	0	0	9	0	0									
	10	9875	505	505	507	36	12	74	1	02	0	1	5	5	0	1									
	13	9869	505	505	508	01	20	74	5	02	1	1	5	5	0	6									
	16	9870	505	505	508	00	00	74	8	03	2	2	5	5	0	7									
	19	9864	506	506	510	12	04	74	7	02	2	2	5	5	0	6									
	22	9849	504	504	506	13	08	74	6	02	1	2	5	5	0	6				36	25		0000	503	518

Results of Surface Observations,
WILKES – Oct., 1961

LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	° × 10	kt	VV	Oktas	ww	w	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	° × 10	kt	St.miles	Points	°F	°F
10	01	9826	504	504	504	14	06	74	7	03	3	2	2	5	0	5								
	04	9814	501	501	503	00	00	74	7	03	3	7	6	5										
	07	9821	502	502	504	03	06	74	3	01	1	0	0	9	0	5								
	10	9822	02	02	501	16	05	74	1	02	0	1	6	4	0	0								
	13	9822	07	06	03	20	04	74	0	01	0	0	0	9	0	0								
	15	9827	506	506	506	03	14	66	0	02	0	0	0	9	0	0								
	19	9834	02	02	02	07	02	66	0	02	0	0	0	9	0	0								
	22	9836	503	504	509	00	00	74	0	02	0	0	0	9	0	0				03	17		0000	08	507
11	01	9836	504	505	513	09	07	74	0	02	0	0	0	9	0	0								
	04	9836	505	506	513	00	00	74	0	02	0	0	0	9	0	0								
	07	9827	04	03	502	09	05	74	1	02	0	1	6	4	0	0								
	10	9809	07	07	05	18	10	74	1	02	0	1	5	4	0	0								
	13	9785	15	14	07	15	10	74	7	03	2	7	5	4										
	16		15	14	07	00	00	74	7	02	2	7	5	4										
	19	9759	16	15	10	20	08	74	8	02	2	7	5	4										
	22	9752	18	17	14	02	09	74	7	02	2	7	5	5						18	18		0000	21	509
12	01	9730	15	14	10	15	12	74	3	01	2	3	5	5	0	0								
	04	9726	15	14	11	00	00	74	1	02	2	1	0	9	7	0								
	07	9720	15	13	10	00	00	74	1	02	0	1	0	9	7	0								
	10	9712	23	20	16	00	00	74	1	02	0	1	0	9	7	0								
	13	9712	27	25	19	00	00	74	2	02	0	1	0	9	7	1								
	16	9712	21	19	14	00	00	74	3	02	0	2	0	9	7	1								
	19	9719	21	19	16	00	00	66	8	03	1	8	5	5										
	22	9726	19	17	14	04	07	74	8	02	2	8	5	5						02	17		0000	30	10
13	01	9734	18	18	17	05	09	74	8	02	2	8	5	5										
	04	9754	18	18	18	05	06	48	8	73	7	8	6	5										
	07	9782	21	21	21	02	00	43	8	73	7	8	6	4										
	10	9808	23	23	23	16	07	62	8	02	7	8	6	4										
	13	9822	28	28	28	25	05	48	8	71	7	8	6	4										
	16	9839	27	25	22	07	15	61	8	02	7	8	0	9	7									
	19	9851	26	25	22	08	20	61	8	02	2	8	5	5										
	22	9866	25	25	25	20	07	58	8	71	7	8	6	4						08	25		0000	29	16
14	01	9871	19	19	19	03	04	58	8	71	7	8	6	4										
	04	9869	18	17	16	00	00	74	8	02	2	8	5	5										
	07	9855	20	19	17	36	04	74	7	01	2	7	0	9	7	0								
	10	9838	21	20	18	05	06	74	2	01	1	1	6	4	7	0								
	13	9825	19	18	17	36	08	74	5	02	2	6	5	4	0	0								
	16	9807	19	19	18	03	07	74	8	02	2	8	5	4										
	19	9795	18	17	16	04	06	66	8	02	2	8	6	4										
	22	9780	16	16	16	01	10	66	8	02	2	8	6	4						09	17		0002	28	10
15	01	9776	11	11	10	08	13	74	8	02	2	8	6	4										
	04	9769	12	12	10	05	12	74	7	02	2	7	6	4										
	07	9759	13	13	13	18	08	48	8	71	7	8	6	4										
	10	9755	19	19	19	02	14	66	8	02	7	8	6	4										
	13	9761	21	21	21	03	14	56	8	10	2	8	6	4										
	16	9761	21	21	21	05	09	66	8	02	2	8	6	4										
	19	9765	17	16	13	03	09	74	8	02	2	8	6	4										
	22	9764	15	14	11	00	00	66	8	02	2	8	6	4						03	18		0000	21	08
16	01	9766	13	11	05	03	03	74	8	02	2	8	6	4										
	04	9764	13	12	08	00	00	74	7	02	2	1	6	5	7									
	07	9772	14	13	09	15	04	74	7	02	2	7	6	4	7	1								
	10	9775	18	17	16	00	00	74	7	02	2	1	6	4	7	1								
	13	9772	19	17	15	15	05	66	8	02	2	8	5	5										
	16	9769	18	17	14	18	07	66	8	02	2	8	5	5										
	19	9771	16	14	10	10	04	66	8	02	2	8	5	5										
	22	9772	14	13	10	03	08	74	8	02	2	8	5	5						03	10		0000	21	10
17	01	9776	13	12	09	01	08	74	8	02	2	8	5	5										
	04	9781	13	12	08	02	09	66	8	02	2	6	5	5	2									
	07	9782	13	11	06	03	08	66	8	02	2	6	5	5	2									
	10	9780	13	12	07	02	10	66	8	02	2	4	5	5	2									
	13	9775	13	12	09	05	10	58	8	71	2	8	7	4										
	16	9769	13	13	12	02	10	74	8	02	2	8	6	5										
	19	9766	15	14	10	34	09	74	8	02	2	8	6	5										
	22	9753	12	11	05	32	12	74	7	01	2	7	5	5						34	19		0000	15	04
18	01	9749	07	06	05	03	13	66	8	03	2	8	6	5										
	04	9740	07	06	04	36	12	74	8	02	2	8	6	5										
	07	9741	08	07	04	05	12	74	8	02	2	8	6	5										
	10	9743	11	10	06	00	00	74	8	02	2	8	6	5										
	13	9763	09	08	04			61	8	03	2	8	6	5										
	16	9790	10	09	05	00	00	61	8	02	2	8	6	5										
	19	9818	09	08	05	00	00	61	8	02	2	8	6	4										
	22	9851	04	03	503	07	04	74	4	01	2	4	0	9	7	0				01	18		0000	12	00

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LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°× 10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°× 10	kt	St.miles	Points	°F	°F
19	01	9844	02	01	504	06	09	74	5	03	1	5	0	9	7	0								
	04	9850	05	05	03	00	00	74	6	02	2	6	0	9	7	0								
	07	9860	12	11	05	00	00	74	8	02	2	8	5	5										
	10	9866	11	09	02	09	18	74	7	02	2	7	0	7	7	0								
	13	9867	11	10	07	17	10	74	7	02	2	6	5	5	2	0								
	16	9872	11	10	06	08	12	74	8	02	2	2	5	5	2	7								
	19	9876	07	05	01	09	20	74	8	02	2	2	5	5	2									
	22	9874	09	07	00	09	10	74	5	01	2	6	0	9	1	0				10	25		0000	17	00
20	01	9860	03	02	504	15	09	74	4	01	1	4	0	9	7	0								
	04	9848	07	06	02	03	00	74	7	02	2	7	0	9	7	0								
	07	9818	10	08	03	18	06	61	8	02	2	8	0	9	2									
	10	9783	15	14	07	18	10	56	8	02	2	8	0	9										
	13	9754	15	15	15	09	42	04	8	38	3	8	5	4										
	15	9728	15	15	15	09	50	04	8	38	3	8	5	4										
	19	9742	15	15	15	09	47	04	8	39	3	8	5	4										
	22	9781	18	15	16	10	10	00	8	75	7									10	71		0000	20	00
21	01	9773	19	17	13	14	20	56	8	71	7	8	5	4										
	04	9760	14	14	13	14	08	56	8	03	2	8	5	4										
	07	9752	16	16	16	09	35	08	8	39	3	8	5	4										
	10	9764	24	24	22	09	05	56	8	02	2	8	5	4										
	13	9766	24	22	18	18	04	56	8	02	2	8	5	5										
	16	9760	22	21	20	34	10	56	5	02	2	6	0	9	3	0								
	19	9757	15	15	13	34	07	56	3	02	1	3	0	9	3	0								
	22	9751	12	10	05	09	08	74	3	02	1	3	0	9	3	0				09	45		0004	25	06
22	01	9737	07	06	01	09	13	74	3	02	0	3	0	9	3	0								
	04	9737	12	11	08	00	00	74	5	03	1	3	5	5	7	0								
	07	9729	09	08	04	14	10	74	7	02	1	2	5	5	7	0								
	10	9717	15	14	11	15	10	74	6	02	2	6	0	9	5	0								
	13	9696	15	14	13	15	15	74	6	02	2	6	0	9	5	0								
	16	9684	18	17	12	14	04	74	0	02	1	0	0	9	0	0								
	19	9677	12	10	05	00	00	74	0	02	0	0	0	9	0	0								
	22	9670	10	09	05	00	00	74	1	02	0	1	0	9	5	0				17	18		0000	19	01
23	01	9666	04	04	02	00	00	74	1	02	0	1	0	9	2	0								
	04	9664	01	00	503	16	04	74	2	02	0	2	0	9	3	0								
	07	9663	06	06	06	16	05	74	6	03	1	6	5	5	0	0								
	10	9663	15	15	14	15	02	61	7	02	2	7	5	5	2									
	13	9666	18	17	15	17	02	74	7	02	2	7	0	9										
	16	9672	18	18	17	00	00	74	7	02	2	7	5	5										
	19	9686	17	16	13	18	01	74	7	02	2	7	5	6										
	22	9699	07	06	03	00	00	74	1	01	1	1	0	9	7	0				16	10		0000	22	502
24	01	9711	07	06	02	00	00	74	1	02	0	1	0	9	7	0								
	04	9730	04	03	505	03	04	74	0	02	0	0	0	9	0	0								
	07	9749	11	09	01	03	08	74	0	02	0	0	0	9	0	0								
	10	9766	16	15	12	03	09	74	0	02	0	1	5	5	7	0								
	13	9779	18	17	14	03	09	74	4	03	0	1	1	5	0	5								
	16	9780	17	17	15	27	12	74	7	02	2	7	5	5										
	19	9789	18	17	14	32	05	74	7	01	2	7	5	5										
	22	9786	17	16	14	04	09	74	8	03	1	8	5	5						27	17		0000	20	01
25	01	9768	15	14	11	27	12	74	7	02	2	7	5	5										
	04		12	11	07	03	07	74	7	02	2	7	5	5										
	07	9746	12	11	10	03	05	74	7	02	2	7	5	5										
	10	9725	15	14	13	05	03	74	7	03	2	7	5	5										
	13	9725	17	15	13	25	04	74	8	02	2	8	5	5										
	16	9722	17	16	13	00	00	74	7	02	2	7	5	5										
	19	9728	15	14	10	24	06	74	6	01	2	6	5	5	0	0								
	22	9730	09	08	06	05	07	74	3	01	1	3	0	9	7	0				25	12		0000	19	06
26	01	9737	12	11	07	05	08	74	5	03	1	5	0	9	7	0								
	04	9742	13	12	09	05	07	74	7	02	2	7	0	9	7	0								
	07	9747	15	15	14	00	00	61	8	02	2	8	6	5										
	10	9764	19	19	17	30	10	61	8	02	2	8	5	5										
	13	9776	18	17	14	35	05	74	7	01	2	4	6	5	3	6								
	16	9768	21	20	18	05	11	74	6	02	2	4	4	5	9	0								
	19	9752	21	21	20	06	18	48	8	36	3	8	6	5	4									
	22	9762	20	19	19	36	13	74	7	02	7	6	5	4	7	0				07	27		0000	22	06
27	01	9778	16	16	15	02	12	74	7	02	7	7	5	4										
	04	9797	11	10	08	03	12	74	5	02	2	5	5	4	0	0								
	07	9816	15	14	12	02	12	74	6	03	2	6	5	4										
	10	9827	15	14	12	04	10	61	8	02	2	8	5	5										
	13	9849	20	19	15	00	00	74	7	03	2	7	5	5										
	16	9858	19	17	14	33	04	74	7	02	2	7	5	5										
	19	9861	18	17	13	31	05	74	7	02	2	7	5	5										
	22	9855	14	13	09	29	06	74	1	01	1	1	5	5	0	0				36	17	095	0003	22	09

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LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		lab × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	w	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
28	01	9848	10	09	06	00	00	74	1	02	0	1	5	5	0	0									
	04	9846	02	01	501	03	06	74	2	02	1	2	5	5	0	0									
	07	9847	06	05	00	20	05	74	2	02	0	2	5	5	0	0									
	10	9840	07	06	01	26	12	74	2	02	0	2	5	5	0	0									
	13	9833	09	08	02	19	08	74	1	02	0	1	5	5	0	0									
	16	9838	08	07	00	09	03	74	1	02	0	0	0	9	0	5									
	19	9838	07	06	01	14	05	74	2	02	0	1	5	5	0	5									
	22	9826	500	501	505	00	00	74	0	02	0	0	0	9	0	0				25	17	060	0000	18	507
29	01	9813	502	503	507	00	00	74	0	02	0	0	0	9	0	0									
	04	9812	505	506	514	00	00	74	0	02	0	0	0	9	0	0									
	07	9811	02	00	507	03	02	74	0	02	0	0	0	9	0	0									
	10	9811	08	07	00	18	03	74	0	02	0	0	0	9	0	0									
	13	9823	16	13	03	00	00	74	1	02	0	0	0	9	0	5									
	16	9830	12	10	02	04	05	74	1	02	0	0	0	9	0	5									
	19	9841	11	09	01	00	00	74	1	02	0	0	0	9	0	5									
	22	9853	01	00	504	00	00	74	1	02	0	0	0	9	0	5				04	07	119	0000	18	510
30	01	9858	501	502	510	00	00	74	1	02	0	0	0	9	0	5									
	04	9860	00	502	510	14	04	74	1	02	0	0	0	9	0	1									
	07	9874	05	04	504	16	04	74	1	02	0	0	0	9	0	3									
	10	9874	13	11	05	18	04	74	6	02	2	1	5	5	0	5									
	13	9873	16	13	05	00	00	74	5	02	1	0	0	9	0	5									
	16	9860	14	12	02	18	04	74	3	01	1	0	0	9	0	8									
	19	9846	08	07	05	03	05	74	3	03	0	2	0	9	7	5									
	22	9825	07	06	03	16	04	74	7	03	1	5	0	9	7	5				18	08	045	0000	23	504
31	01	9808	08	07	01	00	00	74	6	02	2	5	0	9	7	5									
	04	9794	04	03	501	00	00	74	5	02	2	2	0	9	7	6									
	07	9792	12	10	04	18	02	74	2	02	1	0	0	9	0	9									
	10	9794	20	17	10	00	00	74	6	02	2	5	0	9	7	0									
	13	9783	24	21	12	21	07	74	5	02	1	3	0	9	7	6									
	16	9775	23	20	11	09	03	74	6	03	1	4	0	9	5	6									
	19	9761	22	20	15	27	05	74	6	02	1	0	0	9	0	8									
	22	9750	16	14	11	00	00	74	7	02	2	0	0	9	0	8				14	27	092	0000	30	03

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LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
01	01	9733	11	09	01	16	08	74	7	02	2	0	0	9	0	8									
	04	9707	11	09	02	00	00	74	6	02	2	0	0	9	0	6									
	07	9704	13	11	02	16	07	74	1	01	1	0	0	9	0	5									
	10	9682	16	14	08	17	07	74	3	02	1	2	0	9	7	5									
	13	9666	25	22	13	00	00	74	6	03	1	6	0	9	7	0									
	16	9664	23	21	15	36	03	74	7	03	2	7	4	6											
	19	9659	18	16	10	09	03	74	2	01	2	2	0	9	7	0									
	22	9659	16	15	13	00	00	74	7	03	1	7	0	9	7	0				13	21		0000	27	06
02	01	9666	20	19	15	00	00	74	8	03	2	8	5	5											
	04	9675	22	20	16	00	00	74	7	02	2	7	0	9	7	0									
	07	9687	27	23	16	05	04	74	3	01	2	3	0	9	7	0									
	10	9702	26	24	21	03	07	74	8	03	2	3	5	5	7										
	13	9737	25	23	20	03	03	74	8	02	2	8	5	4											
	16	9760	24	23	22	17	04	61	8	70	7	8	7	5											
	19	9779	25	25	25	18	05	58	8	73	7	8	7	4											
	22	9799	24	24	23	16	04	58	8	71	7	8	6	4						02	10		0000	27	12
03	01	9812	24	24	24	00	00	60	8	71	7	8	6	4											
	04	9827	28	27	26	00	00	16	8	71	7	8	7	4											
	07	9843	27	27	27	22	05	66	8	71	7	8	7	4											
	10	9860	28	27	26	23	05	61	8	02	7	8	6	5											
	13	9871	31	29	27	27	02	66	8	02	2	8	5	5											
	16	9877	28	27	26	24	04	66	8	02	2	8	6	5											
	19	9878	27	27	26	25	06	74	8	02	2	8	7	5											
	22	9877	25	25	25	00	00	74	7	02	2	7	5	4						22	12		0017	31	21
04	01	9860	24	23	21	00	00	74	7	02	2	7	5	5											
	04	9850	20	18	15	03	04	61	8	02	2	8	6	5											
	07	9838	25	24	24	30	04	61	8	02	2	8	6	4											
	10	9828	25	25	24	29	04	56	8	02	2	8	6	2											
	13	9820	25	23	20	01	05	74	7	01	2	7	4	4											
	16	9817	21	21	19	02	08	74	1	01	2	1	4	5	0	0									
	19	9874	15	14	12	05	10	74	1	02	0	1	5	5	0	0									
	22	9820	14	13	10	05	15	74	1	02	0	1	0	8	7	0				05	17	177	0000	30	11
05	01	9823	16	15	11	05	14	74	2	02	0	1	5	4	7	0									
	04	9837	14	13	05	18	02	61	7	03	2	7	5	4											
	07	9853	15	15	14	16	02	32	8	73	2	8	6	2											
	10	9861	17	16	14	18	03	61	8	71	7	8	5	4											
	13	9863	20	19	18	25	06	16	8	75	7	8	6	2											
	16	9863	21	20	18	30	05	74	8	03	7	8	5	5											
	19	9862	20	19	16	25	04	74	8	02	2	8	8	5											
	22	9853	17	17	16	05	05	74	8	02	2	8	5	6						04	19		0000	27	10
06	01	9845	17	16	16	02	05	74	7	02	2	7	5	6											
	04	9843	17	16	14	03	06	74	7	02	2	7	8	6											
	07	9837	18	18	17	00	00	74	7	02	2	7	5	6											
	10	9836	20	19	16	03	04	65	7	02	2	7	8	5											
	13	9823	20	19	17	02	06	74	7	02	2	7	8	5											
	16	9816	21	19	16	32	08	74	7	02	2	7	5	5											
	19	9807	17	16	13	02	06	74	7	02	2	7	5	5											
	22	9801	15	14	10	05	05	74	7	02	2	7	5	5						02	12		0003	21	13
07	01	9799	16	15	12	00	00	66	7	02	2	7	6	5											
	04	9800	06	05	02	13	08	74	1	02	0	1	4	5	0	0									
	07	9803	09	07	01	00	00	74	1	02	0	1	4	5	0	0									
	10	9797	14	13	09	03	12	74	2	02	0	0	0	9	0	5									
	13	9774	18	16	12	01	04	74	6	03	1	1	2	5	0	6									
	16	9755	18	15	12	07	08	74	8	03	2	1	5	4	0	6									
	19	9727	11	10	06	07	12	74	7	02	2	1	5	4	0	5									
	22	9718	06	05	00	09	08	74	6	02	2	1	5	5	2	5				02	16	198	0000	19	02
08	01	9732	06	05	502	00	00	74	2	01	1	0	0	9	0	5									
	04	9752	02	01	504	11	10	74	2	02	0	1	0	9	4	1									
	07	9779	14	13	08	00	00	74	1	02	0	1	0	9	7	0									
	10	9796	17	15	09	05	04	74	1	02	0	0	0	9	0	1									
	13	9810	18	16	08	16	04	74	2	02	0	1	5	4	0	1									
	16	9827	15	13	13	05	04	74	1	02	0	1	5	4	0	0									
	19	9839	06	05	503	13	15	74	0	01	0	0	0	9	0	0									
	22	9848	00	501	505	16	08	74	1	02	0	0	0	9	0	1				16	18	021	0000	21	505
09	01	9869	04	02	509	07	04	74	1	02	0	0	0	9	0	1									
	04	9893	02	01	506	18	06	74	5	03	0	0	0	9	0	6									
	07	9923	13	11	04	00	00	74	5	03	2	0	0	9	0	5									
	10	9935	15	13	07	15	10	74	7	03	1	5	0	9	7	5									
	13	9938	22	20	15	18	03	74	8	02	2	6	0	9	7	7									
	16	9929	18	17	14	03	05	74	8	02	2	8	0	9	2										
	19	9903	16	15	10	03	09	74	8	02	2	8	7	6											
	22	9873	16	15	12	07	20	48	8	36	2	8	0	9	2					07	26	154	0000	24	504

Results of Surface Observations,
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LOCAL STANDARD TIME			TEMPERATURES			SURFACE WIND							LOW CLOUD					DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST				EXTREME TEMPERATURES	
DAY	HOUR	STATION LEVEL PRESSURE	DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED	VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	AMOUNT	TYPE	BASE	MIDDLE CLOUD	HIGH CLOUD	LOW	MIDDLE	HIGH	DIRECTION	SPEED	ANEMOMETER WIND RUN	PRECIPITATION	MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
10	01	9844	17	16	15	16	11	15	8	71	7	8	6	6											
	04	9825	15	15	15	17	08	31	8	71	7	8	6	5											
	07	9817	18	17	15	14	13	61	8	63	3	8	7	5											
	10	9818	19	19	18	18	06	32	8	73	7	8	6	4											
	13	9809	21	20	19	18	08	74	7	01	7	5	6	5	7	6									
	16	9800	21	20	19	20	06	74	6	01	2	1	5	4	7	5									
	19	9792	18	16	10	00	00	74	3	01	2	1	5	5	5	5									
	22	9785	10	09	04	05	03	66	2	02	1	2	5	5	2	0				09	42	271	0000	25	05
11	01	9782	07	05	01	11	05	66	1	02	0	1	0	9	2	0									
	04	9780	07	06	04	15	04	74	3	02	1	1	5	5	7	0									
	07	9775	10	09	04	18	03	74	2	02	0	1	0	9	3	5									
	10	9767	21	19	14	00	00	74	6	03	1	1	6	5	0	6									
	13	9757	19	18	18	18	04	74	6	02	2	1	5	5	7	6									
	16	9753	18	17	14	00	00	74	5	02	2	4	2	4	0	5									
	19	9753	14	13	10	12	04	74	6	70	2	6	4	5	0	0									
	22	9753	08	07	05	09	06	66	2	02	0	2	4	5	0	0				11	10	019	0005	23	02
12	01	9761	01	01	502	17	04	66	1	02	0	1	4	5	0	0									
	04	9771	02	01	505	10	05	74	0	02	0	0	0	9	0	0									
	07	9785	07	06	01	17	12	74	0	02	0	0	0	9	0	0									
	10	9802	18	15	05	16	03	74	0	02	0	0	0	9	0	0									
	13		19	16	07	09	04	74	0	02	0	0	0	9	0	0									
	16	9823	20	17	10	18	03	74	0	02	0	0	0	9	0	0									
	19	9829	15	13	08	03	07	74	0	02	0	0	0	9	0	0									
	22	9840	09	07	00	04	04	74	0	02	0	0	0	9	0	0				16	22	080	0000	24	502
13	01	9856	07	05	502	04	04	74	0	02	0	0	0	9	0	0									
	04	9875	12	10	501	05	02	74	0	02	0	0	0	9	0	0									
	07	9884	18	15	08	00	00	74	7	03	1	7	5	5											
	10	9906	22	19	11	19	02	74	2	01	1	2	4	6	0	0									
	13	9922	24	22	18	00	00	74	1	02	0	1	4	6	0	0									
	16	9940	21	19	15	18	05	74	1	02	0	1	4	5	0	1									
	19	9949	20	18	14	00	00	74	7	03	1	0	0	9	0	6									
	22	9957	11	10	06	12	04	74	8	02	2	7	0	9	2	9				18	15	012	0000	26	02
14	01	9939	13	11	06	18	10	74	8	02	2	6	0	9	7	6									
	04	9940	12	11	06	16	08	74	7	02	2	7	0	9	7	0									
	07	9932	19	17	12	00	00	74	7	02	2	1	0	9	7	6									
	10	9910	19	16	08	18	08	74	5	01	2	0	0	9	0	6									
	13	9884	23	20	13	00	00	74	7	03	2	1	6	4	0	7									
	16	9820	21	19	15	21	04	74	8	02	2	2	6	4	2										
	19	9880	15	14	11	00	00	74	7	02	2	1	6	4	0	7									
	22	9721	23	19	09	23	20	61	7	02	2	2	6	4	2	0				11	50	200	0000	24	07
15	01	9687	18	16	12	11	35	48	8	38	3	7	6	4	2										
	04	9726	20	19	12	13	16	74	6	01	2	4	5	5	3	0									
	07	9762	18	17	15	18	12	74	0	01	1	0	0	9	0	0									
	10	9790	26	22	15	01	05	74	1	02	0	1	1	5	0	0									
	13	9817	23	22	19	29	12	74	6	03	1	6	4	5	0	0									
	16	9838	22	21	17	32	15	74	7	02	0	7	4	5	0	0									
	19	9843	22	21	17	35	12	74	7	02	2	7	5	5											
	22	9845	20	19	16	05	05	66	8	02	2	8	5	5						11	53	438	0000	27	13
16	01	9847	18	17	16	08	03	66	8	02	2	8	5	5											
	04	9858	19	18	15	07	08	74	7	01	2	7	4	5											
	07	9879	25	23	19	13	04	74	2	01	1	1	6	4	7	0									
	10	9893	25	23	20	18	06	74	1	02	0	1	0	8	7	1									
	13	9901	21	18	10	00	00	74	1	02	0	1	5	5	0	1									
	16	9906	26	23	17	00	00	74	1	02	0	1	5	5	0	1									
	19	9908	19	17	14	02	03	74	3	02	0	1	5	5	0	6									
	22	9906	13	10	08	07	06	74	3	02	1	1	5	5	0	5				09	13	900	0000	30	07
17	01	9889	09	08	05	09	11	74	1	02	0	0	0	9	0	1									
	04	9879	13	11	05	08	19	74	6	03	1	0	0	9	0	6									
	07	9843	18	17	14	32	10	74	8	03	2	1	6	5	0	7									
	10	9786	18	17	14	09	32	32	8	36	3	8	7	5											
	13	9731	18	18	18	09	48	00		39	3														
	16	9678	18	18	18	09	54	00		39	3														
	19	9652	20	20	20	09	58	00		39	3														
	22	9648	18	18	18	09	55	00		39	3									09	76	340	0000	20	06
18	01	9642	18	18	18	09	53	00		39	3														
	04	9635	20	19	19	10	51	00		39	3														
	07	9640	24	24	23	09	40	32	8	37	3	8	6	4											
	10	9652	28	27	25	09	30	66	8	36	3	8	6	4											
	13	9684	29	28	25	18	10	74	7	01	3	7	8	5											
	16	9677	31	30	29	09	25	74	7	02	2	7	5	5											
	19	9692	30	29	28	09	25	74	7	36	3	7	5	5											
	22	9709	32	30	27	33	03	74	8	02	2	8	5	5						09	63	740	0000	33	16

Results of Surface Observations,
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LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°× 10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°× 10	kt	St.miles	Points	°F	°F
19	01	9719	29	29	28	21	10	58	8	70	2	8	6	5											
	04	9732	28	27	24	21	05	74	8	02	2	8	7	5											
	07	9748	32	29	26	18	04	74	3	01	1	2	4	5	7	0									
	10	9748	34	31	25	00	00	74	1	01	1	1	4	5	0	0									
	13	9749	32	29	23	36	05	74	1	02	0	0	0	9	0	5									
	16	9747	31	28	27	32	03	74	1	02	0	0	0	9	0	5									
	19	9744	29	26	22	36	04	74	1	02	0	0	0	9	0	5									
	22	9744	21	19	14	07	14	74	3	02	0	0	0	9	0	6				07	19	110	0000	40	20
20	01	9744	26	26	25	04	12	66	6	03	1	6	5	5	0	0									
	04	9736	26	25	25	02	19	32	8	03	2	8	6	3											
	07	9713	26	25	23	09	22	53	8	38	3	8	5	4											
	10	9665	24	24	23	09	36	00	8	38	3	8	5	4											
	13	9624	28	28	28	09	42	00	8	39	3	8	5	4											
	16	9627	31	29	27	08	32	61	8	02	3	8	5	4											
	19	9653	30	29	26	04	10	61	8	02	2	2	5	4	2										
	22	9682	28	27	24	07	07	74	8	02	2	6	5	5	2					09	55	698	0000	32	22
21	01	9709	28	26	23	07	02	74	8	02	2	7	8	4	2										
	04	9739	36	32	26	00	00	74	7	01	2	7	8	5	7	0									
	07	9757	36	35	35	00	00	74	4	01	2	4	6	6	0	0									
	10	9767	36	31	23	18	04	74	2	01	1	2	4	6	0	0									
	13	9779	40	36	30	00	00	74	2	02	0	2	4	5	0	0									
	16	9785	33	31	27	15	07	74	1	02	0	1	4	5	0	0									
	19	9793	32	29	25	15	05	74	0	02	0	0	0	9	0	0									
	22	9788	25	24	21	00	00	74	0	02	0	0	0	9	0	0				09	24	059	0000	42	21
22	01	9777	23	21	19	02	05	74	0	02	0	0	0	9	0	0									
	04	9760	24	23	22	09	06	74	3	03	1	3	6	4	0	0									
	07	9754	24	23	22	27	05	74	1	01	1	1	0	9	3	0									
	10	9743	28	26	22	27	04	74	1	02	0	1	0	9	3	0									
	13	9743	27	24	19	23	05	74	0	02	0	0	0	9	0	0									
	16	9740	27	24	19	23	12	74	0	02	0	0	0	9	0	0									
	19	9740	26	25	22	16	06	74	2	02	0	2	4	5	0	0									
	22	9754	18	16	11	10	07	74	0	02	0	0	0	9	0	0				27	15	087	0000	29	13
23	01	9780	18	16	12	03	03	74	0	02	0	0	0	9	0	0									
	04	9808	20	18	13	11	05	74	0	02	0	0	0	9	0	0									
	07	9830	21	19	19	18	05	74	0	02	0	0	0	9	0	0									
	10	9838	32	28	22	00	00	74	0	02	0	0	0	9	0	0									
	13	9856	29	27	24	01	10	74	0	02	0	0	0	9	0	0									
	16	9867	27	25	23	03	09	74	1	02	0	0	0	9	0	5									
	19	9889	26	25	22	07	05	74	0	02	0	0	0	9	0	5									
	22	9898	18	17	14	11	07	74	1	02	0	0	0	9	0	5				02	12		0000	32	11
24	01	9908	16	14	09	09	04	74	1	02	0	1	5	5	0	0									
	04	9915	19	17	09	00	00	74	2	02	0	1	0	9	7	5									
	07	9921	24	21	15	17	04	74	2	02	0	0	0	9	0	5									
	10	9930	28	27	26	00	00	74	7	03	1	1	0	9	7	6									
	13	9941	28	26	22	03	10	74	5	02	1	0	0	9	0	6									
	16	9950	26	24	19	03	10	74	6	02	2	0	0	9	0	6									
	19	9953	23	21	17	05	10	74	7	03	2	6	0	9	3	2									
	22	9954	19	16	10	09	02	74	4	01	2	0	0	9	0	5				09	18		0000	32	11
25	01	9933	21	20	16	14	04	74	2	02	1	0	0	9	0	6									
	04	9896	23	21	15	09	20	66	8	03	1	8	0	9	1										
	07	9865	25	23	21	09	40	32	8	36	3	8	5	4											
	10	9824	24	23	21	09	50	32	9	36	3	8	5	4											
	13	9770	22	20	18	09	55	16	8	39	3	8	5	4											
	16	9729	22	21	19	09	65	08	8	39	3	8	5	4											
	19	9709	21	20	18	09	65	08	8	39	3	8	5	4											
	22	9730	21	20	18	09	46	08	8	38	3	8	5	4						09	87		0000	25	18
26	01	9728	22	21	19	09	55	08	8	39	3	8	5	4											
	04	9790	25	24	21	07	32	48	8	36	3	8	6	4											
	07	9846	28	27	26	07	19	58	8	71	7	8	5	4											
	10	9864	26	25	23	07	12	66	8	02	7	8	5	4											
	13	9881	39	37	35	04	12	61	8	02	2	8	6	5											
	16	9890	35	33	31	04	11	61	8	02	2	8	6	5											
	19	9893	32	31	28	03	13	61	8	02	2	8	6	5											
	22	9903	30	29	27	03	10	74	8	02	2	8	5	5						09	73		0000	39	20
27	01	9910	30	29	28	06	14	74	8	02	2	8	5	5											
	04	9910	30	29	29	07	12	74	8	02	2	8	5	5											
	07	9914	33	31	30	07	10	61	9	02	2	8	6	4											
	10	9910	31	31	30	18	06	74	8	02	2	8	5	5											
	13	9898	37	35	32	00	00	48	7	70	7	7	5	5											
	16	9890	34	32	29	00	00	51	8	02	7	8	5	5											
	19	9872	32	30	27	07	08	66	7	02	2	7	5	5											
	22	9851	30	28	24	09	23	66	7	02	2	7	7	5						09	27		0000	38	27

Results of Surface Observations,
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LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°× 10	kt	VV	Oktas	ww	w	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°× 10	kt	St. miles	Points	°F	°F
28	01	9836	29	26	21	09	18	74	6	01	2	5	0	9	5	6								
	04	9817	29	28	28	18	10	74	7	02	2	1	0	9	4	6								
	07	9799	35	33	30	22	10	66	7	02	2	2	5	5	7	0								
	10	9773	33	28	19	11	10	74	7	02	2	6	5	5	0	6								
	13	9739	29	27	25	10	35	58	8	36	3	8	6	4										
	16	9721	30	28	25	11	40	61	8	36	3	8	7	4										
	19	9730	33	30	26	20	10	61	8	02	2	8	7	4										
	22	9737	30	29	28	29	05	66	8	71	7	8	7	5						11	65		0000	36	26
29	01	9734	30	27	23	31	04	74	8	02	2	8	5	5										
	04	9737	30	27	21	09	08	74	8	02	2	1	6	4	2									
	07	9740	31	29	26	10	10	66	7	02	2	2	5	5	7	0								
	10	9741	31	28	23	32	12	74	4	01	1	3	0	9	4	1								
	13	9746	32	31	28	28	10	74	5	02	2	5	0	9	5	0								
	16	9750	33	31	29	25	06	74	5	02	2	4	0	9	4	5								
	19	9753	32	31	30	23	03	74	7	02	2	7	0	9	7	0								
	22	9756	30	29	28	01	04	74	7	02	2	7	0	9	7	0				07	20		0000	33	26
30	01	9763	28	27	24	00	00	74	7	02	2	7	0	9	7	0								
	04	9772	28	27	26	00	00	32	8	71	7	8	6	4										
	07	9774	30	29	29	00	00	48	8	44	7	8	6	4										
	10	9772	29	29	29	00	04	58	8	73	7	8	6	4										
	13	9768	28	28	28	29	02	08	8	73	7	8	6	3										
	16	9774	32	29	26	18	10	61	8	22	7	6	5	4	7									
	19	9775	29	28	25	10	20	61	8	36	3	8	5	4										
	22	9782	28	26	24	09	24	32	8	37	3	8	5	4						09	37		0000	32	24

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LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
01	01	9788	27	25	23	09	26	58	8	37	3	8	5	4										
	04	9793	25	24	22	09	26	58	8	36	3	8	5	5										
	07	9801	28	26	22	09	25	61	8	36	3	8	5	5										
	10	9810	30	29	28	09	20	74	7	01	2	7	0	7	7	1								
	13	9811	33	31	28	23	05	74	7	02	2	7	7	5										
	16	9816	30	29	27	27	05	74	7	02	2	1	5	5	7	0								
	19	9819	29	26	23	29	09	74	7	02	2	7	0	9	7	0								
	22	9822	27	26	23	31	07	74	7	02	2	1	1	5	2					09	39		0010	33	24
02	01	9830	26	25	24	30	08	74	7	71	2	7	5	5										
	04	9833	26	24	21	29	07	74	7	02	2	7	0	7	7									
	07	9837	26	25	23	30	08	66	7	02	2	7	0	9	7									
	10	9839	27	25	22	36	05	74	7	02	2	1	8	4	7	0								
	13	9841	27	26	24	30	05	61	8	03	2	4	7	4	7									
	16	9841	29	27	24	00	00	66	8	02	2	8	8	4										
	19	9842	26	25	23	15	06	66	7	02	2	7	5	5										
	22	9838	26	25	23	18	05	74	8	02	2	8	5	5						32	11	169	0000	30	24
03	01	9834	24	23	21	13	07	74	8	02	2	8	5	5										
	04	9832	25	23	20	14	07	74	8	02	2	8	0	7	7									
	07	9820	30	28	26	18	04	74	7	02	2	7	0	9	3	0								
	10	9815	31	27	22	23	03	74	6	02	2	6	0	9	3	0								
	13	9814	33	31	27	25	03	74	3	01	1	3	0	9	3	0								
	16	9815	38	35	32	23	04	74	3	02	0	2	0	9	3	0								
	19	9820	29	27	24	23	03	74	6	02	2	6	0	9	3	0								
	22	9821	23	21	17	00	00	74	1	01	1	1	0	9	2	0				15	10	083	0000	38	19
04	01	9826	21	20	18	00	00	74	5	03	1	5	0	9	3	0	0								
	04	9832	26	23	18	00	00	74	1	01	1	1	0	9	3	0								
	07	9845	28	27	24	35	05	74	0	02	0	0	0	9	0	0								
	10	9853	29	27	24	36	06	74	1	03	0	1	1	5	0	0								
	13	9865	30	27	23	01	06	74	3	03	0	3	2	5	0	0								
	16	9872	30	27	22	01	08	74	3	02	1	3	2	5	0	0								
	19	9876	28	26	22	03	10	74	1	02	0	1	5	5	0	0								
	22	9871	22	20	15	07	08	74	4	02	0	4	4	4	0	0				02	14	176	0000	33	17
05	01	9860	21	19	13	09	08	74	7	03	1	6	5	5	0	6									
	04	9859	22	21	18	15	05	74	7	02	2	7	8	4										
	07	9853	25	23	20	09	12	74	8	02	2	8	8	4										
	10	9853	25	23	20	09	18	66	8	02	2	8	5	5										
	13	9859	27	24	18	09	18	74	7	02	2	7	5	5										
	16	9863	27	24	18	09	18	74	7	02	2	7	5	5										
	19	9879	26	23	17	10	15	74	7	02	2	7	5	5										
	22	9888	27	23	17	00	00	74	7	02	2	7	5	8						11	26	396	0000	28	16
06	01	9887	27	24	19	05	06	74	7	85	5	7	5	8										
	04	9887	25	23	21	04	06	74	8	02	2	2	7	5	7									
	07	9888	26	25	23	36	07	74	8	02	2	3	5	5	7									
	10	9882	29	27	25	00	00	74	7	85	2	5	5	5	7									
	13	9860	30	27	22	00	00	74	1	01	1	1	4	6	0	0								
	16	9848	27	24	19	22	07	74	0	02	0	0	0	9	0	0								
	19	9824	26	22	12	18	08	74	0	02	0	0	0	9	0	0								
	22	9811	22	19	13	14	07	74	1	02	0	1	4	5	0	0				18	12	104	0000	32	16
07	01	9785	18	16	11	14	10	74	1	02	0	1	4	5	0	0									
	04	9776	18	15	09	16	10	74	0	02	0	0	0	9	0	0									
	07	9765	18	16	10	16	13	74	0	02	0	0	0	9	0	0									
	10	9750	22	20	16	16	14	74	0	02	0	0	0	9	0	0									
	13	9753	25	23	17	16	15	74	0	02	0	0	0	9	0	0									
	16	9770	29	25	16	14	09	74	1	02	0	0	0	9	0	5									
	19	9776	28	24	14	16	09	74	1	02	0	0	0	9	0	5									
	22	9794	22	19	12	14	08	74	1	02	0	1	0	9	4	0				11	26	720	0000	30	16
08	01	9792	20	16	07	09	06	74	1	02	0	0	0	9	0	5									
	04	9795	26	23	15	07	10	74	7	02	1	0	0	9	0	6									
	07	9793	29	27	23	01	05	74	8	03	2	8	0	9	2										
	10	9793	29	27	24	03	10	74	8	02	2	8	0	9	2										
	13	9784	27	26	23	02	07	66	8	71	2	8	6	6											
	16	9768	26	26	24	06	24	58	8	36	3	8	6	5											
	19	9778	26	25	24	08	30	48	8	36	3	8	7	4											
	22	9803	25	24	23	09	26	48	8	71	7	8	6	4						09	38	493	0000	29	18
09	01	9837	25	24	22	09	18	48	8	71	7	8	6	4											
	04	9872	25	25	24	00	00	48	8	71	7	8	6	4											
	07	9896	28	27	27	09	02	58	8	71	7	8	6	4											
	10	9910	28	27	27	21	05	58	8	71	7	8	6	4											
	13	9925	32	30	26	21	09	74	7	01	2	7	4	5											
	16	9933	31	29	26	21	09	74	2	01	1	2	2	5	0	0									
	19	9932	30	28	25	23	05	74	5	03	0	5	4	5	0	0									
	22	9924	28	26	23	20	08	74	7	02	2	7	4	6	0	0				09	20		0004	33	22

Results of Surface Observations,
WILKES – Dec., 1961

LOCAL STANDARD TIME			TEMPERATURES			SURFACE WIND							LOW CLOUD					DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST				EXTREME TEMPERATURES	
DAY	HOUR	STATION LEVEL PRESSURE	DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED	VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	AMOUNT	TYPE	BASE	MIDDLE CLOUD	HIGH CLOUD	LOW	MIDDLE	HIGH	DIRECTION	SPEED	ANEMOMETER WIND RUN	PRECIPITATION	MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°×10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
10	01	9918	26	24	19	11	05	74	7	02	2	7	4	6											
	04	9910	27	25	22	16	12	74	6	02	2	6	5	5	0	0									
	07	9890	26	25	22	18	12	74	5	01	2	1	5	5	0	6									
	10	9869	28	26	22	18	10	74	2	02	1	0	0	9	0	1									
	13	9848	30	28	24	35	08	74	6	03	1	0	0	9	0	6									
	16	9838	31	29	26	36	08	74	1	01	1	0	0	9	0	5									
	19	9824	30	28	26	02	06	74	2	02	0	1	0	9	3	5									
	22	9803	27	25	21	32	08	74	1	02	0	1	0	9	4	5				18	19		0000	34	20
11	01	9788	19	18	16	09	08	74	1	02	0	1	4	5	0	0									
	04	9780	19	17	11	11	09	74	0	02	0	0	0	9	0	0									
	07	9782	28	24	15	19	06	74	0	02	0	0	0	9	0	0									
	10	9785	31	28	23	36	08	74	0	02	0	0	0	9	0	0									
	13	9795	33	30	26	33	06	74	2	03	0	1	1	6	0	5									
	16	9805	31	27	21	24	05	74	2	02	0	1	1	6	0	5									
	19	9805	29	26	20	14	05	74	1	02	0	1	1	6	0	0									
	22	9809	20	17	12	09	10	74	1	02	0	1	4	6	0	0				09	14		0000	36	14
12	01	9813	20	17	08	09	13	74	1	02	0	1	4	5	0	0									
	04	9820	21	17	09	09	08	74	1	02	0	1	4	5	0	0									
	07	9825	25	21	12	11	04	74	0	02	0	0	0	9	0	0									
	10	9825	32	28	22	35	11	74	0	02	0	0	0	9	0	0									
	13	9826	30	27	20	02	10	74	1	02	0	0	0	9	0	5									
	16	9828	30	26	19	34	04	74	1	02	0	0	0	9	0	5									
	19	9824	31	27	21	34	03	74	1	02	0	0	0	9	0	5									
	22	9823	20	19	16	09	05	74	1	02	0	1	0	9	7	5				09	16	055	0000	33	14
13	01	9820	18	17	12	09	05	74	1	07	0	1	0	9	7	0									
	04	9819	21	19	15	00	00	74	2	02	0	1	1	5	3	1									
	07	9822	28	25	21	09	03	74	3	02	0	1	1	5	3	1									
	10	9822	29	26	21	03	07	74	2	02	0	2	1	5	3	0									
	13	9826	32	29	25	36	09	74	2	02	0	2	1	5	3	0									
	16	9828	30	28	24	33	09	74	4	02	1	2	1	5	0	1									
	19	9836	29	27	23	34	09	74	5	03	1	2	1	5	3	1									
	22	9841	27	25	21	36	10	74	5	02	2	2	4	5	4	1				34	12	231	0000	34	16
14	01	9843	27	25	20	34	09	74	6	02	2	2	4	5	7	1									
	04	9847	26	24	22	36	08	48	8	71	3	8	6	4											
	07	9849	28	28	27	33	02	66	8	70	7	8	5	5											
	10	9843	27	25	21	03	05	74	8	02	7	8	5	5											
	13	9845	29	29	29	01	13	32	8	75	2	8	6	2											
	16	9840	29	28	25	05	16	32	8	71	7	8	6	2											
	19	9833	27	25	22	08	02	66	7	36	7	6	7	4	3										
	22	9825	27	27	26	09	22	58	8	36	3	8	5	4						09	29	042	0000	31	24
15	01	9803	26	25	22	09	25	58	8	36	3	8	5	4											
	04	9799	27	25	21	18	10	66	8	02	3	8	5	4											
	07	9779	30	26	19	20	11	74	8	02	2	8	8	4											
	10	9762	27	25	20	11	26	61	8	36	3	8	9	4											
	13	9773	33	27	17	12	02	66	8	02	3	8	5	4											
	16	9762	34	29	21	18	04	74	7	01	2	5	5	5	3	1									
	19	9745	31	28	22	18	02	74	2	01	1	0	0	9	0	6									
	22	9734	25	23	19	00	00	74	3	02	0	0	0	9	0	5				11	41	694	0004	40	22
16	01	9727	25	23	18	02	12	74	2	02	0	1	4	4	0	5									
	04	9726	26	24	21	03	12	74	4	02	0	2	4	4	0	5									
	07	9741	26	25	21	02	15	74	5	02	1	3	4	4	0	5									
	10	9753	29	27	25	03	13	74	7	03	1	5	4	4	0	6									
	13	9780	30	28	24	36	12	74	5	01	1	2	4	5	0	6									
	16	9802	30	28	24	36	08	74	3	01	1	1	1	5	0	6									
	19	9819	30	27	22	33	02	74	3	02	1	1	1	5	0	6									
	22	9829	23	21	18	09	06	74	2	02	0	1	0	9	7	1				02	20	209	0000	34	16
17	01	9831	18	18	17	11	06	74	2	02	0	2	0	9	7	1									
	04	9833	26	25	21	00	00	74	2	02	0	2	4	5	0	5									
	07	9835	28	25	21	14	02	74	1	01	0	1	4	5	0	0									
	10	9835	31	28	24	20	05	74	2	02	0	2	4	5	0	0									
	13	9833	32	29	25	27	04	74	3	03	0	3	1	5	0	0									
	16	9832	31	28	22	29	03	74	3	02	0	3	4	5	0	0									
	19	9823	30	27	23	32	05	74	7	03	1	7	5	5											
	22	9810	28	26	23	34	06	74	7	02	2	7	5	5						34	12	089	0000	35	15
18	01	9796	28	25	20	36	07	74	8	02	2	8	5	5											
	04	9785	28	25	21	36	08	74	8	02	2	8	5	5											
	07	9775	29	27	24	34	06	74	2	01	1	2	5	5	0	0									
	10	9757	30	27	20	30	03	74	6	01	2	6	5	5											
	13	9752	32	30	27	26	03	74	8	02	2	8	5	5											
	16	9749	31	27	21	27	04	74	7	02	2	7	5	5											
	19	9750	28	26	22	27	05	74	7	02	2	7	5	5											
	22	9750	29	27	23	27	04	74	7	02	2	7	5	5						36	12	099	0000	34	25

Results of Surface Observations,
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LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	°× 10	kt	VV	Oktas	ww	w	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°× 10	kt	St.miles	Points	°F	°F
19	01	9751	28	25	21	28	05	74	8	02	3	8	5	5										
	04	9755	27	25	22	00	00	74	8	02	3	8	6	5										
	07	9757	28	26	22	27	11	74	7	02	2	7	5	5										
	10	9758	28	27	24	27	05	74	8	02	2	8	5	5										
	13	9753	27	26	24	00	00	74	8	02	2	8	5	5										
	16	9753	30	27	23	00	00	74	7	02	2	7	5	5										
	19	9761	28	25	20	00	00	74	7	02	2	7	5	5										
	22	9761	30	27	22	00	00	74	3	01	1	3	5	5	0	0				27	16	155	0000	32	24
20	01	9761	23	20	14	00	00	74	0	01	0	0	0	9	0	0									
	04	9767	20	19	15	10	06	74	0	02	0	0	0	9	0	0									
	07	9769	28	27	24	18	04	74	1	02	0	0	0	9	0	5									
	10	9767	28	25	19	00	00	74	1	02	0	0	0	9	0	5									
	13	9771	32	28	21	36	05	74	2	02	0	1	4	5	0	1									
	16	9779	32	29	22	00	00	74	2	02	0	2	4	5	0	1									
	19	9787	29	26	20	00	00	74	1	02	0	1	4	5	0	0									
	22	9791	24	20	13	09	02	74	1	02	0	1	4	5	0	0				09	09	357	0000	36	15
21	01	9806	25	24	21	06	03	74	6	02	1	6	4	5	0	0									
	04	9810	23	21	18	08	09	74	2	01	1	1	4	5	0	4									
	07	9824	27	26	25	05	12	74	3	03	0	2	4	5	0	1									
	10	9832	30	28	24	02	14	74	7	03	1	6	4	5	0	1									
	13	9834	30	27	23	02	14	74	7	02	2	1	4	5	0	6									
	16	9832	32	29	25	07	12	74	8	03	2	1	6	5	7										
	19	9824	29	27	21	09	10	74	8	02	2	1	6	5	7										
	22	9804	28	25	21	09	23	74	8	02	2	8	0	9	2					09	38	373	0000	32	16
22	01	9788	27	25	20	09	30	61	8	02	2	8	0	9	2										
	04	9777	27	25	20	09	35	66	8	02	2	8	7	6											
	07	9777	28	26	21	09	35	66	8	02	2	8	6	5											
	10	9776	31	28	23	09	28	66	8	02	2	8	6	5											
	13	9788	31	28	23	09	22	63	8	02	2	8	6	5											
	16	9808	32	29	26	18	09	48	8	73	7	8	6	4											
	19	9822	30	29	28	09	15	48	8	73	7	8	6	4											
	22	9839	31	29	28	18	02	61	8	02	2	5	5	5	2					09	45	150	0000	32	25
23	01	9851	31	29	28	00	00	66	7	02	2	7	5	5											
	04	9861	30	29	27	04	10	74	8	02	2	8	5	5											
	07	9866	32	30	28	07	06	74	8	02	2	8	5	6											
	10	9855	32	30	28	07	20	74	8	02	2	8	5	6											
	13	9838	32	30	28	07	23	58	8	36	3	8	6	4											
	16	9811	30	28	26	07	31	58	8	36	3	8	6	4											
	19	9794	28	28	27	07	38	08	9	38	3	8	6	4											
	22	9805	30	28	26	06	28	58	7	36	3	7	5	4						07	47	355	0000	34	26
24	01	9826	30	28	26	05	18	71	7	02	3	7	5	4											
	04	9834	30	30	30	04	15	32	8	73	7	8	6	2											
	07	9854	32	31	29	03	12	58	8	02	7	8	6	4											
	10	9864	32	32	32	03	14	32	8	73	2	8	6	2											
	13	9872	33	32	31	02	12	58	8	02	7	8	6	4											
	16	9879	33	31	28	02	12	66	7	01	2	4	6	4	7										
	19	9879	32	30	28	07	10	66	7	02	2	7	5	6											
	22	9872	30	28	26	06	16	56	7	02	2	7	5	5						07	26	225	0007	35	26
25	01	9877	29	27	24	06	14	61	7	02	2	7	5	4											
	04	9878	29	27	22	07	11	61	7	02	2	7	5	5											
	07	9876	33	30	26	05	08	74	4	01	1	4	4	5	0	0									
	10	9873	33	30	26	01	07	74	6	03	1	6	5	5	0	0									
	13	9870	34	32	29	02	08	66	7	02	2	7	5	5	0	0									
	16	9871	33	31	27	00	00	74	8	02	2	8	5	7											
	19	9870	31	29	26	02	06	74	7	02	2	3	0	9	7	6									
	22	9870	30	27	21	15	07	74	7	02	2	3	5	5	7	0				36	17	465	0003	35	26
26	01	9866	25	23	19	11	04	74	6	02	2	2	5	5	7	1									
	04	9867	26	24	20	08	03	74	7	03	2	6	4	5	0	1									
	07	9862	32	28	22	00	00	74	8	02	2	3	0	9	7	6									
	10	9855	34	29	23	30	03	74	7	03	2	7	5	6											
	13	9850	32	29	24	29	04	74	7	02	2	1	4	5	0	6									
	16	9845	32	29	24	25	03	74	7	02	2	1	4	5	0	6									
	19	9847	33	29	24	29	04	74	7	02	2	1	4	5	4	6									
	22	9847	29	27	25	03	03	74	8	02	2	1	4	5	7	7				12	08	234	0000	35	21
27	01	9850	27	25	22	04	10	74	7	02	2	5	0	9	7	1									
	04	9856	26	24	20	07	10	74	7	02	2	1	4	5	3	8									
	07	9862	33	28	19	05	06	74	7	02	2	1	4	5	0	6									
	10	9862	31	27	19	22	02	74	2	01	2	0	0	9	0	1									
	13	9864	33	30	25	20	06	74	4	02	0	1	4	5	0	5									
	16	9865	31	28	24	25	06	74	5	02	0	1	4	5	0	5									
	19	9862	31	28	24	29	05	74	1	02	0	1	4	5	0	1									
	22	9857	31	27	22	00	00	74	1	02	0	1	4	5	0	0				07	16	146	0000	35	23

Results of Surface Observations,
WILKES – Dec., 1961

LOCAL STANDARD TIME		STATION LEVEL PRESSURE	TEMPERATURES			SURFACE WIND		VISIBILITY	CLOUD AMOUNT	PRESENT WEATHER	PAST WEATHER	LOW CLOUD			MIDDLE CLOUD	HIGH CLOUD	DIRECTION OF CLOUD MOVEMENT			MAXIMUM WIND GUST		ANEMOMETER WIND RUN	PRECIPITATION	EXTREME TEMPERATURES	
DAY	HOUR		DRY BULB	WET BULB	DEW POINT	DIRECTION	SPEED					AMOUNT	TYPE	BASE			LOW	MIDDLE	HIGH	DIRECTION	SPEED			MAXIMUM	MINIMUM
		mb × 10⁻¹	°F	°F	°F	° × 10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	° × 10	kt	St.miles	Points	°F	°F
28	01	9848	24	22	18	06	07	74	1	02	0	1	4	5	0	0									
	04	9847	27	25	21	05	08	74	1	02	0	1	4	5	0	0									
	07	9842	30	28	25	02	10	74	2	02	0	2	4	5	0	0									
	10	9839	31	28	22	02	08	74	5	03	1	5	4	5	0	0									
	13	9837	31	28	23	34	07	74	3	02	1	3	4	5	0	0									
	16	9837	30	28	25	03	06	74	7	03	1	7	4	5											
	19	9837	29	26	20	00	00	74	7	03	2	7	5	5											
	22	9838	27	24	18	27	08	74	7	02	2	7	4	5						02	14	860	0000	33	21
29	01	9836	26	23	18	28	05	74	7	02	2	7	4	5											
	04	9836	27	24	19	07	02	74	7	02	2	7	5	5											
	07	9832	32	29	25	36	07	74	8	02	2	7	5	5											
	10	9822	28	26	23	04	05	74	7	02	2	7	5	5											
	13	9807	32	29	24	36	06	74	4	01	1	4	5	5	0	0									
	16	9797	29	26	20	36	06	74	2	02	0	3	4	5	0	0									
	19	9781	29	26	22	05	08	74	6	03	1	6	5	5	0	0									
	22	9760	21	19	14	08	10	74	2	01	1	2	4	5	0	0				09	22	220	0000	34	18
30	01	9742	18	17	12	09	18	74	2	02	0	2	4	5	0	0									
	04	9723	22	20	14	10	14	74	7	03	1	7	5	7											
	07	9694	26	23	17	18	06	74	7	02	2	7	5	7											
	10	9670	26	23	17	10	20	74	7	77	2	7	5	6											
	13	9644	28	25	20	09	27	65	7	02	2	7	5	5											
	16	9630	29	26	20	09	28	65	7	02	2	7	5	5											
	19	9632	28	25	19	11	35	66	8	02	2	8	5	5											
	22	9643	26	24	20	11	35	61	8	02	2	8	5	5						11	49		0000	29	15
31	01	9646	27	24	19	11	27	61	8	02	2	8	5	5											
	04	9663	29	27	22	33	07	74	8	02	2	8	0	9	7										
	07	9675	30	27	22	18	05	74	7	02	2	7	0	9	7										
	10	9672	32	28	20	21	02	74	7	02	2	7	0	9	7	0									
	13	9671	33	28	25	27	07	74	6	01	2	6	0	9	7	0									
	16	9678	30	27	21	25	08	74	1	01	1	1	0	9	7	0									
	19	9686	30	27	21	34	05	74	1	02	0	1	0	9	3	0									
	22	9686	29	27	24	32	10	74	0	02	0	0	0	9	0	0				11	40		0000	35	24

Results of Radiosonde Observations,
DAVIS – JAN., 1961

DAY	SURFACE			1000 MB.	900 MILLIBARS			850 MILLIBARS			800 MILLIBARS			700 MILLIBARS			600 MILLIBARS		
	PRESSURE	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO
	mb	°C × 10⁻¹	dg/kg	gpDm	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10-1	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	−°C × 10⁻¹	dg/kg
01																			
02																			
03																			
04																			
05																			
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15																			
16																			
17																			
18																			
19																			
20																			
21																			
23	988	5021	16	508	075	5090	17	118	5126	14	165	5149	11	264	5227	06	376	322	03
24	985	5022	15	511	073	5073	16	117	5105	13	163	5142	11	263	5231	06	374	322	03
24	982	5009	14	508	075	5067	18	120	5097	16	167	5127	14	267	5179	10	381	249	05
26	980	5020	12	509	075	5069	15	119	5100	15	166	5133	12	266	5190	08	380	252	06
27	979	5029	14	514	069	5080	12	113	5109	13	160	5145	11	260	5196	07	373	248	04
27	967	5005	18	524	059	5075	14	103	5099	13	150	5124	09	251	5195	06	365	242	05
28	995	5038	22	511	081	5100	15	124	5133	13	170	5161	11	269	5234	07	381	303	04
29	999	5016	21	501	083	5092	18	127	5122	15	173	5153	12	273	5212	04	385	276	02
31	982	5019	15	512	072	5077	13	116	5100	12	163	5102	11	264	5170	05	378	262	03
31	985	5039	13	510	073	5100	12	116	5129	13	167	5140	12	263	5206	07	375	280	04

DAY	500 MILLIBARS			400 MILLIBARS			300 MILLIBARS		200 MILLIBARS		150 MILLIBARS		100 MILLIBARS		80 MILLIBARS		60 MILLIBARS	
	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE
	gpDm	−°C ×10⁻¹	dg/kg	gpDm	−°C ×10⁻¹	dg/kg	gpDm	−°C ×10⁻¹	gpDm	−°C × 10⁻¹	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹	gpDm	−°C.×10⁻¹
01																		
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03																		
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20																		
21																		
23	502	390	02	654	472		842	476	113	422	309	411	585	397	737	398	934	397
24	501	374	02	652	454		843	466	106	418	296	415						
24	511	325	03	665	432	01	854	555	120	423	315	416	592	386	743	396		
26	511	337	03	664	433		852	563	120	421	313	410	593	410	741	410		
27	504	336	03	662	449	01	851	543	120	419	316	411	591	416	740	405		
27	496	328	03	649	445	01	839	463	111	410	306	415	582	408	731	406		
28	508	370		660	469		848	480	120	435	313	432	587	416				
29	514	348	02	668	442		854	580	120	456	312	436	586	421	734	420		
31	508	336	01	667	442	01	856	519	125	436	319	423	594	416	745	415	941	397
31	504	364	02	657	455		844	524	114	425	308	425	582	431	733	410		

Results of Radiosonde Observations,
DAVIS – Feb., 1961

DAY	SURFACE			1000 MB.	900 MILLIBARS			850 MILLIBARS			800 MILLIBARS			700 MILLIBARS			600 MILLIBARS		
	PRESSURE	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO
	mb	°C ×10⁻¹	dg/kg	gpDm	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	dg/kg
02	977	5075	09	519	063	5085	08	108	5107	08	154	5128	08	255	5171	05	369	236	04
03	987	5035	13	509	074	5095	15	119	5110	14	165	5120	08	266	5172	06	380	240	04
03	991	5026	11	505	077	5066	10	122	5081	12	159	5097	10	271	5159	06	386	255	02
04	988	5021	14	512	071	5065	14	118	5100	10	164	5092	12	265	5152	06	380	210	
05	991	5017	18	507	077	5072	17	122	5109	15	168	5139	14	269	5177	04	383	225	03
07	994	5002	17	503	080	5065	14	125	5104	12	172	5117	12	273	5170	12	388	235	07
07	992	5020	12	505	079	5075	13	123	5101	13	159	5110	09	271	5164	04	385	227	03
08	994	5045	10	503	079	5084	12	123	5106	12	170	5132	11	271	5179	05	385	245	
09	995	5015	10	502	080	5065	10	125	5110	10	171	5116	10	273	5175	08	386	264	05
11	991	5002	17	505	079	5058	15	128	5102	15	169	5130	13	270	5176	10	384	242	06
11	991	5021	11	506	077	5054	14	122	5079	15	169	5113	12	270	5152	11	385	247	
12	991	026	19	506	078	5045	17	123	5084	18	169	5122	15	271	5160	12	386	243	05
13	991	5015	11	506	077	5093	10	121	5120	13	168	5111	13	269	5161	14	384	236	08
14	997	5090	03	503	081	5120	03	125	5127	13	171	5161	12	271	5176	12	385	248	06
15	992	5047	12	506	077	5077	10	122	5097	13	169	5105	11	271	5123	15	387	192	11
16	999	5010	22	500	085	5060	22	127	5085	22	174	5119	19	275	5185	10	388	276	05
17	990	5009	20	506	077	5070	19	122	5094	18	169	5114	18	271	5113	20	387	174	16
18	986	5019	18	510	068	5043	18	119	5080	16	166	5110	16	267	5149	15	383	200	11
19	982	016	18	513	071	5025	24	116	5055	24	164	5087	22	266	5162	07	380	238	08
20	991	010	24	506	079	5038	22	123	5067	21	170	5105	18	272	5170	12	387	225	08
21	993	012	37	504	080	5035	29	124	5068	24	171	5103	19	273	5180	10	386	272	05
23	007	025	24	007	091	5048	23	135	5083	19	182	5120	12	283	5204	09	396	270	05
23	992	5059	10	505	077	5082	06	122	5099	06	169	5088	06	271	5156		386	222	04
24	996	5082	28	502	080	5115	09	123	5137	08	169	5121	09	272	5147		387	211	
25	994	5011	21	503	081	5063	19	125	5094	16	172	5136	14	273	5180	11	386	234	07
26	987	5018	21	508	075	5070	20	120	5078	23	167	5110	19	268	5191	11	382	218	09
27	990	5065	12	509	076	5088	09	120	5112	07	166	5131	10	268	5161	08	383	210	04
28	988	5120	06	505	073	5137	05	116	5158	04	162	5158	04	263	5169		377	233	

DAY	500 MILLIBARS			400 MILLIBARS			300 MILLIBARS		200 MILLIBARS		150 MILLIBARS		100 MILLIBARS	80 MILLIBARS		60 MILLIBARS	
	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE
	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	gpDm	°C ×10⁻¹	gpDm	°C ×10⁻¹	gpDm	°C ×10⁻¹	gpDm	°C ×10⁻¹	gpDm	°C ×10⁻¹
02	501	314		656	415		846	492	115	418	309	435	583	406	734	414		
03	511	323		656	378		858	511	126	449	320	441	592	429	742	437		
03	516	322		671	391		864	509	133	429	327	457	598	429	748	447	941	430
04	513	304		667	408		860	443	133	420	330	430	603	425	751	425		
05	518	310		671	392		863	516	129	458	323	433	596	424	745	422	939	414
07	520	305	03	675	385	02	867	540	131	477	323	451	593	444	743	435		
07	516	308	02	672	398	02	862	561	126	470	319	448	591	446	740	436	934	434
08	516	330	03	670	427		860	540	123	454	316	438	587	440	737	434	930	437
09	516	323	03	671	425		859	561	122	456	315	444	587	438	737	429	931	434
11	515	320		669	430		858	541	121	460								
11	515	337																
12	516	338	02	669	451		857	517	126	441	321	429	594	432	745	427		
13	515	332	04	667	450		853	570	118	458	310	451	581	446	731	444	924	442
14	516	330		670	429		859	549	119	485	309	473	579	462	728	451	920	452
15	521	271	06	678	360	03	872	531	130	509	320	463	589	460	738	456	930	445
16	516	367	02	668	435		857	530	122	457	314	450	585	468	732	458	924	457
17	522	250	09	681	366	03	874	569	127	527								
18	516	284	06	673	379	03	865	536	129	453	320	444	590	460	740	451	931	457
19	512	308	04	668	379	02	859	523	126	461	324	446	597	439	747	435	940	438
20	519	320	04	672	439		861	548	129	462	323	422	595	423	745	449		
21	515	381		665	475		853	512	123	454	316	430	589	454	739	443	932	428
23	525	356	02	680	445		868	573	132	461	323	467	595	443	744	453	937	439
23	517	315		672	434		860	564	123	457	315	444	591	421	741	438	935	428
24	519	310		674	433													
25	517	324		671	427		861	500	129	461	321	462	590	469				
26	514	304	04	670	397	02	862	523	121	485	311	465	580	475				
27	515	290	03	672	405		862	545	121	485	312	442						
28	508	327		662	437		843	563	116	438								

Results of Radiosonde Observations,
DAVIS – Mar., 1961

DAY	SURFACE			1000 MB.	900 MILLIBARS			850 MILLIBARS			800 MILLIBARS			700 MILLIBARS			600 MILLIBARS		
	PRESSURE	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO
	mb	°C × 10⁻¹	dg/kg	gpDm	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C ×10⁻¹	dg/kg
01	996	5035	20	502	080	5072	20	125	5092	14	172	5125	15	272	5202	09	385	298	04
02	986	5052	11	510	073	5092	08	116	5113	09	163	5120	07	264	5198	05	376	246	06
03	978	5021	17	517	066	5070	14	110	5113	14	158	5113	17	259	5175	12	373	260	06
04	992	5054	17	505	078	5105	14	122	5131	12	168	5117	15	269	5176	10	383	265	05
05	993	5080	08	504	077	5130	08	121	5143	10	167	5176	07	266	5214	05	379	259	02
06	983	5100	10	512	069	5129	10	112	5153	10	158	5198	08	257	5204	04	370	240	
07	982	5062	11	513	069	5120	10	112	5162	09	157	5199	09	256	5210	08	369	265	06
08	978	5058	19	517	065	5105	16	109	5130	15	155	5143	14	256	5213	08	367	315	
09	966	5040		526	057	5101	11	100	5125	10	147	5172	09	247	5177	06	361	259	05
10	966	5008	18	527	058	5069	16	102	5101	15	149	5135	14	250	5166	12	364	252	07
11	981	5061	17	513	068	5113	15	112	5143	12	158	5170	10	257	5231	07	369	299	04
13	990	5059	18	506	076	5108	15	119	5140	11	165	5177	05	264	5250	04	374	347	03
13	990	5101	12	506	075	5128	12	118	5141	10	164	5172	05	262	5262	03	373	317	03
15	990	5112	08	506	074	5155	09	117	5169	08	163	5191	08	261	5237		372	317	
15	000	5109	10	001	082	5155	10	125	5171	09	170	5196	05	269	5226		381	275	
16	996	5196	08	502	079	5121	05	123	5119	05	170	5094		273	5119		390	163	
17	988	5069	13	508	074	5128	04	117	5120	05	164	5130	11	265	5172	12	380	190	11
18	988	5135	05	508	073	5144	04	116	5179	03	161	5196	03	260	5170		375	206	
20	978	5095	09	516	066	5140	06	109	5168	05	154	5168	05	253	5231	02	365	313	01
21	979	5050	16	516	067	5120	10	110	5143	09	156	5170	08	254	5259	08	365	311	
21	980	5060	12	515	067	5107	10	111	5148	09	157	5183	08	255	5249	06	366	294	03
23	985	5085	06	510	071	5130	08	114	5165	07	160	5186	07	253	5231	05	370	280	03
23	988	5079	12	507	074	5128	09	117	5164	06	162	5205	06	260	5244	05	373	274	03
24	992	5134	07	505	075	5176	07	118	5202	07	163	5231	06	260	5263		370	333	
25	993	5119	09	505	076	5160	06	119	5160	06	165	5198	04	262	5262		372	343	
26	983	5037	16	512	070	5090	14	115	5121	13	161	5146	12	261	5210	08	373	295	04
28	978	5016	23	515	069	5072	17	112	5094	17	159	5103	17	261	5160	12	375	243	07
28	981	5035	19	513	069	5095	15	113	5112	15	159	5120	17	261	5182	12	374	265	06
30	986	5021	18	510	073	5080	15	118	5086	17	165	5094	18	266	5170	12	380	257	06
30	983	5045	20	512	071	5094	14	115	5134	11	161	5145	12	261	5226	08	374	260	06
31	984	5045	22	512	070	5081	19	115	5117	15	161	5148	13	261	5200	09	374	285	05

DAY	500 MILLIBARS			400 MILLIBARS			300 MILLIBARS		200 MILLIBARS		150 MILLIBARS		100 MILLIBARS		80 MILLIBARS		60 MILLIBARS	
	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE
	gpDm	−°C ×10⁻¹	dg/kg	gpDm	−°C ×10⁻¹	dg/kg	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹
01	513	363	02															
02	508	310	04	662	424	01	853	544	116	456	308	439	581	434	732	421		
03	502	350		655	410		846	541	110	454	302	449	574	435	724	447	917	436
04	513	335	02	666	442		853	558	118	477	309	446	580	441				
05	509	320		664	422		853	555	115	471	306	462	576	443	723	445	917	442
06	501	320		655	433		843	571	106	470	298	455	569	441	719	448	910	464
07	499	344		651	451		837	580	100	461	292	454	563	446	712	448	905	461
08	494	379		645	462		833	562	099	450	291	440	563	444	712	447	904	452
10	490	362	02	642	462		829	535	096	436	289	448	560	439	710	450	902	465
10	494	354	03	647	428	01	836	547	103	434	298	422	570	425	719	417	917	422
11	496	400	02	645	497		830	535	096	460	287	462	557	451	706	453	898	457
13	500	413		649	490		835	547	100	481	291	480	558	458	708	456		
13	500	405		649	490		834	600	096	478	286	464	557	469	704	469	895	471
15	499	391		649	491		832	571	094	469	285	464	552	477	700	475	889	487
15	510	354		662	442		851	503	117	491	306	482	571	503	716	509		
16	526	225		687	318		884	474	143	528	324	498	588	530	738	526		
17	514	268	07	673	355	03	866	502	123	524	310	494	574	494	720	510		
18	508	268		666	369		859	525	116	514	307	494	570	490	717	491	904	506
20	492	369		643	437		835	481	102	460	293	478	561	477	709	486	897	506
21	493	363		645	460		833	490	102	458	293	465	562	484	709	485	897	494
21	494	375		645	481		831	534	096	473	286	483	553	490	696	498	886	516
23	499	359		651	444		839	561	099	502	287	488	553	497	698	506		
23	501	363	02	654	455	01	840	572	101	501	290	486	557	482	704	487	892	497
24	496	406		645	485		832	547	096	477	286	489	552	505	697	502	884	529
25	498	415		648	460		836	522	103	476	293	477	559	504				
26	501	329	03	657	403		847	531	112	455	305	449	574	452	719	512	907	513
28	506	355	03	659	431	01	848	546	112	469	303	485	569	488	715	508		
28	505	315	03	660	400	02	850	553	110	480	301	459	569	495				
30	510	323		665	435		852	573	113	484	303	464	572	470	719	491	907	503
30	505	330	03	658	454		845	540	110	465	301	464	570	465	717	500		
31	504	337	03	657	445		843	547	111	456	301	492	568	480	715	484		

Results of Radiosonde Observations,
DAVIS – Apr., 1961

DAY	SURFACE			1000 MB.	900 MILLIBARS			850 MILLIBARS			800 MILLIBARS			700 MILLIBARS			600 MILLIBARS		
	PRESSURE	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO
	mb	°C ×10⁻¹	dg/kg	gpDm	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	dg/kg
01	982	5032	15	513	070	5056	16	115	5093	13	162	5135	12	262	5204	09	375	245	07
02	983	5027	14	513	070	5070	13	115	5103	14	161	5136	14	262	5195	10	375	255	06
03	997	5070	12	501	081	5092	10	125	5105	11	172	5112	10	270	5179	07	387	232	05
04	988	5070	16	508	074	5114	14	117	5131	14	164	5131	15	264	5193	10	378	254	06
06	983	5078	16	509	073	5125	12	116	5150	12	163	5143	14	262	5215	08	375		
06	983	5154	07	509	070	5159	05	113	5191	07	158	5220	07	256	5232	06	367	315	02
07	984	5130	09	507	073	5162	08	117	5188	08	161	5221	07	259	5229	06	370	294	03
09	995	5158	06	502	077	5183	06	119	5220	06	164	5168	07	264	5201	07	376	285	05
10	994	5130	08	503	077	5189	06	119	5220	06	164	5225	07	262	5244	05	373	292	03
10	997	5140	08	501	078	5187	07	121	5221	06	165	5221	05	264	5226		376	271	
11	990	5094	10	506	075	5150	08	118	5192	07	163	5226	06	261	5214	04	374	238	
12	985	5038	15	511	072	5092	12	115	5127	11	162	5156	11	262	5206	08	375	259	06
13	984	5010	15	511	072	5067	14	116	5079	16	163	5123	14	265	5184	10	379	211	09
14	986	5046	12	510	073	5086	12	117	5118	12	163	5142	13	264	5185	10	377	260	05
15	988	5070	10	508	074	5106	10	118	5140	11	163	5179	10	263	5185	10	377	256	06
16	999	5057	11	500	082	5120	10	126	5157	10	171	5181	10	270	5215	08	382	382	04
17	001	5065	13	002	083	5127	13	126	5158	10	172	5175	09	270	5219	07	383	255	
18	994	5116	08	504	077	5156	04	119	5183	08	164	5208	07	262	5219	07	375	268	03
19	988	5079	07	507	074	5123	07	117	5155	07	163	5188	07	261	5231	06	373	254	06
21	971	5036	00	522	061	5087	13	105	5133	11	151	5155	10	250	5210	08	362	267	06
21	993	5069	08	504	077	5101	09	121	5143	09	166	5195	08	265	5244	05	376	305	03
22	990	5145	05	506	074	5146	06	117	5146	04	163	5124	06	264	5188		378	220	
23	977	5162	06	516	063	5140	04	107	5156		152	5161		253	5176		367	223	
24	984	5045	16	511	071	5172	05	104	5206	05	149	5209	06	248	5184		362	248	
25	975	5066	12	519	063	5115	00	107	5157	09	152	5165	11	252	5199	09	365	253	03
27	984	5045	16	511	071	5010	13	115	5137	11	161	5164	11	261	5196	09	374	267	05
27	982	5119	08	516	067	5163	07	110	5195	08	156	5193	05	253	5279	05	364	295	04
28	984	5157	09	511	068	5184	08	111	5202	08	155	5238	06	252	5248	03	364	290	
29	989	5140	07	507	073	5129	10	116	5142	12	162	5173	10	261	5250	06	370	343	
30	986	5148	07	510	070	5145	09	113	5144	12	159	5182	09	258	5252	06	368	342	03

DAY	500 MILLIBARS			400 MILLIBARS			300 MILLIBARS		200 MILLIBARS		150 MILLIBARS		100 MILLIBARS	80 MILLIBARS		60 MILLIBARS	
	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE
	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	gpDm	°C ×10⁻¹	gpDm	°C ×10⁻¹	gpDm	°C ×10⁻¹	gpDm	°C ×10⁻¹	gpDm	°C ×10⁻¹
01	506	296	05	664	371	03	857	513	123	471	314	476	580	511	725	519		
02	506	294	05	662	407		852	549	118	458	309	475						
03	520	242		680	335		875	496	131	550	317	510	580	520	725	515		
04	508	334	03	661	435		849	570	117	467	308	475						
06	503	367	03	654	472		842	530	109	450	300	468	567	487	714	502	900	527
06	495	380	01	645	478		831	565	093	502	291	502	545	509	690	516	877	508
07	498	434		648	458		835	565	097	493	294	506	552	524	694	522		
09	504	370	02	656	461		842	591	103	494	291	503	555	518				
10	502	370	01	653	462		842	578	102	493	291	509	541	530	683	548		
10	505	343		659	425		851	462	120	473	308	505	571	532	715	541		
11	505	310		661	365		854	512	116	473	306	487	571	509	715	518	903	521
12	506	320	03	661	406	01	852	529	111	520	297	500	561	504	707	512		
13	512	283	05	668	406	02	860	526	119	516	308	495	572	499	718	512		
14	507	347	04	659	453		843	572	103	496	296	502	561	512	705	532		
15	507	338	03	660	455		846	587	105	513	293	518	539	528	685	540		
16	512	350		664	461		849	587	107	517	293	526	554	544	697	553	880	570
17	513	357		665	461		851	592	110	506	297	513	559	542	702	560		
18	504	363		655	469		842	515	108	487	296	505	558	543	701	564		
19	504	321	04	658	415		848	534	109	495	298	496						
21	493	330	04	646	460		832	557	095	485	284	502						
21	503	366		655	469		843	530	108	486	296	508	558	561	699	561	882	580
22	510	317		664	415		854	542	110	557	294	542	553	553				
23	499	322		653	429		842	559	103	502	291	502	554	536	697	548		
24	492	343	03	644	434		835	546	094	524	281	512	543	548	689	543		
25	496	339	03	649	438	01	836	580										
27	504	346		656	458		842	575	099	532	284	546	542	565				
27	492	382	02	643	482		827	610	079	581	260	581	514	605	653	617		
28	491	389		641	488		825	613	076	578	258	584	512	612	649	630	825	649
29	496	435		643	528		826	620	078	577	259	592	510	632	647	645		
30	493	433		640	523		822	612	078	556	260	580	514	610	652	638	828	641

Results of Radiosonde Observations,
DAVIS – May, 1961

DAY	SURFACE			1000 MB.	900 MILLIBARS			850 MILLIBARS			800 MILLIBARS			700 MILLIBARS			600 MILLIBARS		
	PRESSURE	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO
	mb	°C × 10⁻¹	dg/kg	gpDm	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg
01	983	5051	15	512	070	5112	09	114	5130	10	160	5161	07	259	5238	05	370	329	03
02	963	5057	15	528	054	5084	11	099	5123	10	144	5165	10	243	5231	05	356	243	07
03	970	5056	20	523	059	5100	17	103	5126	14	149	5157	11	248	5242	04	359	315	01
04	967	5126	08	524	056	5130	07	099	5144	08	145	5182	07	245	5195	05	358	266	02
05	982	5108	14	513	068	5149	10	112	5150	11	156	5176	09	255	5214	06	369	259	05
06	977	5080	11	517	065	5110	10	108	5141	10	154	5140	11	255	5194	10	368	271	06
07	979	5072	16	515	067	5119	13	110	5153	10	156	5153	11	256	5213	08	368	265	06
08	970	5047	19	523	060	5091	15	104	5127	14	150	5163	11	249	5240	06	362	247	07
09	989	5075	13	506	075	5148	10	118	5174	09	163	5174	10	262	5246	06	373	307	04
10	992	5140	07	505	074	5195	04	117	5230	03	161	5235		250	5225		372	269	
11	981	5169	03	513	066	5235	03	107	5245	03	152	5254	04	248	5274	03	358	328	
12	979	5088	10	515	063	5108	10	109	5151	07	155	5183	08	254	5199	09	367	284	04
14	986	5062	09	509	072	5098	06	117	5074		154	5117		265	5221		377	292	
14	972	5056	13	523	061	5068	12	105	5105	11	152	5140	09	251	5235	05	362	294	04
15	983	5054	14	512	070	5080	10	114	5117	10	161	5160	08	261	5173	07	375	253	05
16	980	5085	08	514	067	5121	05	110	5151	04	156	5171	04	256	5158		372	206	
17	981	5123	08	513	066	5174	05	103	5192	06	148	5238	05	245	5305	03	355	290	03
18	982	5112	08	513	067	5150	09	110	5184	09	155	5203	08	253	5267	05	362	350	
19	982	5130	09	512	067	5181	07	109	5220	05	154	5262	04	250	5272	05	360	314	02
21	986	5109	13	510	071	5154	09	114	5183	08	159	5208	06	256	5284	04	365	335	03
21	984	5091	10	511	067	5142	07	113	5185	07	158	5189	08	256	5269	04	365	362	02
22	993	5130	09	504	076	5162	07	119	5195	07	154	5206	07	252	5244	04	373	320	
23	000	5148	07	001	079	5189	06	122	5191	07	157	5197	07	255	5256	04	376	306	02
24	995	5135	06	502	077	5170	03	120	5147	03	156	5145	04	246	5200		377	270	
25	994	5126	06	503	077	5150	03	120	5155		156	5101		249	5143		385	198	
26	001	5137	05	001	081	5176	06	123	5218	06	168	5251	05	256	5237	04	378	246	
27	003	5105	10	004	084	5156	09	127	5192	09	172	5182	10	270	5261	06	382	265	02
28	002	5087	10	003	084	5146	08	127	5169	09	172	5178	09	271	5255	05	382	270	05
29	000	5172	05	001	081	5157	06	124	5172	06	169	5177	07	269	5190	06	383	265	03
30	996	5160	06	001	078	5178	04	121	5170	04	166	5162	06	266	5208	06	379	281	05
31	997	5144	05	501	078	5214	03	120	5230	03	164	5230	03	263	5218	04	376	294	04

DAY	500 MILLIBARS			400 MILLIBARS			300 MILLIBARS		200 MILLIBARS		150 MILLIBARS		100 MILLIBARS		80 MILLIBARS		60 MILLIBARS	
	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE
	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	gpDm	°C × 10⁻¹	gpDm	°C × 10⁻¹	gpDm	°C × 10⁻¹	gpDm	°C × 10⁻¹	gpDm	°C × 10⁻¹
01	496	414	01	643	529		825	592	083	548	266	560	523	600	662	610	839	628
02	487	314	05	643	406	02	832	566	084	563	267	583	520	620	657	639		
03	486	363		638	463		825	570	084	524	268	554	526	590				
04	487	357		639	465		826	570	084	550	269	552	525	597	663	623	840	641
05	498	348	03	651	456		837	593	090	582	272	576	528	610	666	619		
06	497	337	03	649	480		833	590	089	557	273	561	528	601	665	638		
07	498	343	03	651	438		842	565	099	545	283	552	538	609	677	616		
08	493	310	04	647	432	01	836	540	098	522	284	530	542	582	682	594		
09	501	350	03	654	465		843	517	104	535	299	585	548	568	689	581		
10	502	344		655	445		842	574	097	560	281	545	539	575	679	603	857	626
11	484	404		634	479		822	518	086	575	271	561	527	580	667	605		
12	495	385	02	645	496		830	580	086	555	270	582	524	594	662	622		
14	504	400		652	532		836	588	094	549	277	566	533	595	672	608	851	629
14	492	356	02	643	475		830	534	092	544	277	566	530	600	669	616	847	635
15	505	350	03	657	442		844	590	096	604	276	599	527	637	663	657		
16	504	317		657	446		843	614	091	640	269	604	520	636	656	646	831	656
17	484	354	01	636	455		823	553	080	470	263	571	516	617	654	631		
18	488	401		638	483		824	580	082	577	207	587						
19	487	400		637	475		822	593	076	580	256	600	507	641	643	677		
21	492	392	02	642	480		826	602	079	606	256	622	503	677				
21	491	405		640	485		823	626	071	635	245	654	491	694				
22	499	390		649	495		832	618	080	652	255	652	499	695	631	731		
23	504	390		653	499		837	610	095	635	270	655	515	697	646	735		
24	508	341		661	460		846	601	095	629	271	653						
25	518	291		674	399		865	536	116	664	294	604	546	606	683	652		
26	509	335		662	424		850	566	103	592	285	572	539	616	676	639		
27	512	338		665	451		852	576	104	594	285	598	536	630	672	660		
28	511	359	03	663	464		849	610										
29	512	356	01	664	464		852	544	105	616	283	630						
30	509	312	05	664	432		851	587	102	602								
31	505	334	03	637	476		843	552	095	585	276	584	529	618	661	629		

Results of Radiosonde Observations,
DAVIS – Jun., 1961

DAY	SURFACE			1000 MB.	900 MILLIBARS			850 MILLIBARS			800 MILLIBARS			700 MILLIBARS			600 MILLIBARS		
	PRESSURE	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO
	mb	°C × 10⁻¹	dg/kg	gpDm	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	−°C × 10⁻¹	dg/kg
01	994	5187	03	503	075	5230		116	5220		161	5218		259	5230		371	283	
03	983	5228	03	511	066	5237		128	5244		152	5265		249	5240		361	294	
04	980	5187	05	514	064	5228	05	126	5250	05	150	5264	04	247	5255		327	317	
04	988	5203	05	508	070	5210	06	113	5234	05	157	5257	05	253	5261	04	364	325	
05	002	5149	08	002	083	5087	09	128	5086	09	174	5125	09	275	5191		388	263	
07	009	5057	14	009	092	5044	19	137	5081	17	184	5104	17	287	5103	20	404	158	06
07	009	5067	14	008	092	5059	18	137	5065	21	184	5060	13	288	5093		406	169	05
08	008	5065	13	008	090	5116	12	134	5140	11	179	5168	10	279	5212	07	391	271	02
10	006	5138	04	006	086	5183	03	128	5203	03	173	5210		273	5210		384	295	
10	996	5131	06	502	078	5191	03	120	5223	03	165	5241	02	262	5247		373	280	
11	989	5201	05	503	072	5200	03	114	5229	03	158	5215	03	256	5235		368	280	
12	001	5150	05	002	082	5194	05	124	5215	05	169	5225	05	267	5234		379	281	
13	991	5103	10	506	076	5155	09	118	5184	08	163	5198	08	262	5211	08	375	265	06
14	989	5064	14	508	074	5123	11	118	5120	14	154	5139	14	264	5208	09	376	289	05
16	978	5109	13	516	065	5147	09	128	5140	09	154	5166	09	255	5238	07	364	304	04
16	977	5053	17	517	065	5104	16	109	5127	15	183	5141	13	256	5194	09	369	280	04
17	986	5082	12	510	071	5141	07	114	5165	09	160	5169	10	259	5229	07	376	317	03
18	984	5137	11	512	068	5131	13	101	5163	10	157	5196	08	255	5262	05	365	352	02
19	989	5132	11	507	073	5176	09	115	5203	08	160	5239	06	257	5268	04	367	338	
20	993	5186	05	504	075	5155	04	118	5168	04	154	5159	03	254	5217	04	376	291	03
21	979	5190	05	514	064	5211	04	106	5235	03	150	5251	02	249	5196		362	276	
22	969	5224	04	522	056	5245	03	097	5266	03	141	5265	04	237	5269		348	312	
23	999	5228	04	501	079	5250	03	119	5255	02	163	5238		262	5213		375	262	
24	999	5192	05	501	080	5197	04	122	5193	05	168	5164	03	267	5212	05	380	289	03
25	987	5215	04	510	069	5230	03	111	5207	04	156	5170	05	255	5216		369	245	
26	983	5134	10	512	068	5173	08	111	5199	07	156	5213	07	254	5247	06	365	304	04
27	988	5136	08	508	072	5197	04	114	5209	05	158	5236	06	255	5305	03	365	328	03
28	000	5158	08	001	080	5196	05	122	5220	05	167	5245	04	265	5233		376	293	
29	987	5110	11	509	072	5153	07	115	5191	06	160	5164	07	259	5226	03	371	252	07
30	983	5104	10	512	069	5142	07	113	5175	07	158	5174	10	257	5210	07	369	285	04

DAY	500 MILLIBARS			400 MILLIBARS			300 MILLIBARS		200 MILLIBARS		150 MILLIBARS		100 MILLIBARS		80 MILLIBARS		60 MILLIBARS	
	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE
	gpDm	−°C × 10⁻¹	dg/kg	gpDm	−°C × 10⁻¹	dg/kg	gpDm	−°C × 10⁻¹	gpDm	−°C × 10⁻¹	gpDm	−°C × 10⁻¹	gpDm	−°C × 10⁻¹	gpDm	−°C × 10⁻¹	gpDm	−°C × 10⁻¹
01	500	360		651	474		836	585	089	602	269	595	520	640	657	657	830	690
03	489	384		640	481		824	607	074	615	252	625	496	677	633	693		
04	484	413		633	510		817	584	068	617	246	627	494	664				
04	490	413		638	507		822	586	076	604	255	620	503	667	627	681		
05	518	353		671	428		861	512	120	547	301	618	549	661	683	712		
07	539	253		697	381		889	544	137	724	309	675	552	717				
07	540	270		697	395		886	576	131	735	303	673	548	668	683	673		
08	522	309		676	439		864	582	113	622	291	622	541	648	676	660	849	703
10	512	363		664	477		848	615	100	598	280	610	530	645	665	680	836	707
10	503	350		655	451		842	573	095	607	275	623	522	680	655	703		
11	497	369		647	492		832	575	086	623	263	632	507	715	638	739		
12	508	360		660	435		850	554	101	631	278	631	525	683	658	716		
13	504	359		657	431		843	605	099	556	281	580	534	621	671	663		
14	505	353	03	658	435		845	569	100	606	279	604						
16	492	367	02	643	475		827	614	081	567	262	602						
16	497	387		645	522		827	590	080	585	260	607	511	630	647	656		
17	497	428		644	536		824	628	074	639	250	651	494	701				
18	489	441		636	527		817	605	068	530	245	646	490	694	623	705		
19	492	410		641	490		825	606	073	660	247	658	492	684	624	726		
20	504	355		656	475		839	622	084	677	258	657						
21	490	381		640	505		823	610	073	614	250	634	496	698	628	724		
22	475	378		626	482		810	578	065	598	244	627						
23	504	354		660	478		843	615	089	674	263	666						
24	507	399	02	617	497		840	623	086	685	258	688	498	734	629	740		
25	499	344		650	474		835	609	080	704	252	704	492	766	620	768	786	780
26	492	394		642	501		824	634	069	669	243	682	482	741				
27	491	407	01	640	511		822	625	068	659	242	669						
28	506	310		661	424		852	542	099	712	269	726	513	624				
29	502	322	03	655	442		841	609	085	689	257	702						
30	497	372	02	649	453		835	607	079	706	250	708	488	752				

Results of Radiosonde Observations,
DAVIS – Jul., 1961

DAY	SURFACE			1000 MB.	900 MILLIBARS			850 MILLIBARS			800 MILLIBARS			700 MILLIBARS			600 MILLIBARS		
	PRESSURE	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO
	mb	°C × 10⁻¹	dg/kg	gpDm	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg
01	978	5070	11	516	065	5113	08	110	5125	10	155	5166	10	255	5235	06	365	304	04
02	973	5021	22	520	063	5067	17	107	5094	17	154	5125	16	255	5190	10	368	268	06
03	987	5040	16	509	073	5100	12	117	5138	11	163	5171	10	263	5202	07	375	280	05
05	993	5055	18	504	078	5102	13	122	5133	11	168	5160	10	267	5240	06	378	331	03
05	982	5065	18	513	069	5084	17	113	5126	15	159	5154	14	259	5215	08	371	298	03
07	983	5038	28	512	070	5087	18	115	5117	15	161	5145	12	261	5223	07	372	315	03
08	991	5045	15	505	077	5093	10	101	5130	09	147	5162	09	246	5218	06	378	310	03
08	979	5054	13	516	066	5103	10	110	5138	09	156	5161	10	255	5232	06	367	309	03
10	967	5052	15	525	057	5101	13	101	5143	11	147	5169	10	246	5205	07	359	270	04
10	976	5070	13	517	064	5125	08	108	5163	07	153	5206	07	251	5241	06	362	308	04
11	977	5093	09	517	064	5125	09	108	5157	08	153	5199	07	252	5225	07	364	291	04
12	982	5094	10	513	069	5139	08	112	5174	07	157	5201	07	255	5266	05	366	295	04
13	986	5111	08	509	071	5163	05	114	5208	05	158	5233	06	255	5260	05	366	340	03
14	974	5095	09	513	062	5150	07	105	5176	07	150	5210	06	247	5256	05	358	317	03
15	976	5105	09	517	064	5150	08	107	5186	07	152	5220	06	249	5290	04	358	344	02
16	990	5106	09	507	074	5153	09	117	5190	06	162	5236	05	259	5262	04	369	334	
17	981	5087	13	514	067	5112	11	111	5146	10	157	5162	11	256	5216	07	368	302	04
19	977	5075	10	517	065	5095	10	109	5136	10	155	5147	10	254	5270	06	364	341	03
19	990	5107	09	506	074	5148	08	117	5173	08	162	5205	07	261	5234	05	371	325	02
20	999	5216	04	000	079	5135	05	123	5126	04	169	4163	03	269	5211		381	277	
21	989	5134	05	508	073	5120	04	117	5120		163	5150	06	264	5185	06	378	253	03
22	985	5172	05	510	069	5232	06	111	5240	06	156	5175	04	255	5207	08	369	288	04
24	980	5218	04	513	064	5256	03	105	5281	03	148	5205	03	248	5266	03	354	334	01
24	986	5233	04	509	067	5270	03	108	5298	03	151	5334	02	245	5309	03	354	355	02
26	977	5263	03	516	061	5262	03	102	5298	03	145	5317	03	240	5322	03	347	397	01
26	949	5189	07	538	040	5155	10	084	5172	04	127	5209	07	226	5282	04	336	314	03
28	975	5283	02	517	059	5296	02	099	5330	02	142	5316	02	236	5361	02	342	411	
29	971	5226	04	521	057	5188	05	100	5215	05	144	5250	05	237	5311	03	348	386	
29	975	5145	06	517	062	5196	04	104	5226	03	148	5235	03	247	5254	03	355	352	
30	985	5219	04	510	069	5235	03	109	5256	03	154	5214	03	252	5261		361	350	
31	986	5110	11	510	071	5156	09	114	5192	03	159	5205	08	258	5210	03	370	306	04

DAY	500 MILLIBARS			400 MILLIBARS			300 MILLIBARS		200 MILLIBARS		150 MILLIBARS		100 MILLIBARS		80 MILLIBARS		60 MILLIBARS	
	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE
	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	gpDm	°C × 10⁻¹	gpDm	°C × 10⁻¹	gpDm	°C × 10⁻¹	gpDm	°C × 10⁻¹	gpDm	°C × 10⁻¹
01	494	355	03	646	464		831	596	076	686	249	686						
02	497	354	03	648	487		832	595	078	675	251	695						
03	503	391	02	653	475		840	597	085	672	258	696	497	750				
05	504	397	02	653	512		835	604	084	662	257	700	495	752				
05	499	362	02	650	478		835	630	077	702	248	714						
07	498	323		645	549		825	623	074	653	247	693	497	744				
08	501	382	02	655	517		836	659	079	716	249	710						
08	495	364	02	645	499		828	641	071	696	241	722						
10	488	357	02	640	465		825	592	060	742	237	752						
10	489	397		638	506		819	654	061	750	229	743						
11	492	394		643	462		828	620	067	787	234	743	467	795				
12	493	422		640	531		820	655	061	742	228	742						
13	491	431		638	539		816	693	057	720	226	738	459	795	585	820	745	846
14	484	414		631	541		812	643	056	692	227	716						
15	484	402		633	512		815	620	061	706	231	710	469	760				
16	494	428		641	541		821	650	063	726	232	731						
17	497	374	02	647	481		833	587	074									
19	490	430		637	530		821	596	069	660	242	690	481	736				
19	497	401	07	649	450		833	601	081	702	252	690	491	750				
20	509	381		660	484		843	638	084	730	253	723	488	779				
21	507	359		657	500		840	644	077	809	240	795						
22	495	390	02	644	513		825	664	064	748	231	757						
24	480	412		629	508		810	649	054	714	223	733						
24	479	422		626	538		807	632	054	664	226	710	462	780				
26	471	425		624	496		803	608	053	662	226	693	464	755	592	780	755	811
26	464	382	02	614	494		796	617	041	679	214	700						
28	464	483		609	552		790	617	040	654								
29	471	457		616	590		794	641	040	677	212	712						
29	480	471		624	585		800	679	045	701	215	722						
30	486	460		630	566		809	650	052	703	222	734						
31	497	416		644	532		826	635	068	731	236	738						

Results of Radiosonde Observations,
DAVIS – Aug., 1961

DAY	SURFACE			1000 MB.	900 MILLIBARS			850 MILLIBARS			800 MILLIBARS			700 MILLIBARS			600 MILLIBARS		
	PRESSURE	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO
	mb	°C ×10⁻¹	dg/kg	gpDm	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	dg/kg
02	973	5077	10	519	062	5106	10	106	5114	11	152	5134	12	253	5204	09	365	294	04
03	982	5098	14	512	069	5120	14	113	5152	11	158	5192	08	258	5177	12	372	235	07
04	994	5150	08	503	076	5177	07	118	5212	06	163	5191	08	262	5223	07	373	289	04
04	987	5156	09	510	071	5185	04	114	5206	03	159	5195	06	258	5221	03	370	284	03
05	987	5202	04	509	070	5213	03	112	5243	02	159	5258	02	253	5233		365	290	
06	983	5257	02	511	065	5275	02	106	5291	02	150	5312	01	246	5275		356	312	
07	980	5248	02	513	063	5265	02	105	5284	01	148	5285	01	245	5246		357	307	
09	971	5252	02	520	056	5245	02	098	5285	01	141	5281	02	239	5250		350	310	
09	971	5198	05	521	058	5219	06	099	5246	05	143	5281	04	240	5264	04	350	329	02
10	976	5224	05	517	061	5184	07	103	5216	06	147	5244	05	244	5292	04	353	328	03
11	985	5194	05	510	068	5227	03	110	5240	03	154	5254	04	251	5275	04	360	343	02
12	969	5109	13	523	058	5149	07	101	5166	07	143	5198	06	245	5222	07	357	276	05
14	984	5090	09	511	070	5135	08	113	5174	07	159	5196	07	257	5249	06	367	302	03
14	975	5168	06	518	062	5151	05	105	5183	05	150	5211	05	248	5236	03	359	299	02
16	980	5165	06	514	065	5166	07	108	5200	05	153	5195	07	251	5251	05	362	335	02
17	968	5203	05	523	056	5172	04	098	5201	04	143	5223	04	242	5233	02	352	328	
18	981	5156	07	514	065	5209	06	107	5246	05	152	5253	05	249	5275	04	357	350	02
18	977	5227	04	516	062	5196	04	104	5212	03	149	5212	04	247	5272	02	356	348	01
19	982	5226	05	511	067	5239	05	107	5215	07	152	5242	06	249	5285	04	358	349	01
20	986	5210	05	509	063	5245	03	110	5223	05	154	5248	05	251	5275	03	361	338	01
21	989	5172	07	507	072	5200	06	114	5224	05	158	5258	05	255	5270	03	365	315	02
22	992	5140	11	505	075	5176	09	117	5205	07	162	5227	07	259	5303	03	368	336	03
23	990	5177	05	507	073	5168	04	115	5192	03	160	5195	06	259	5246	03	369	323	02
24	990	5076	16	503	075	5133	11	118	5161	10	164	5181	10	262	5245	06	373	299	03
25	993	5070	15	504	078	5114	13	121	5133	13	167	5142	14	268	5156	14	383	229	08
26	971	5039	20	523	061	5075	17	105	5105	14	152	5138	12	252	5210	08	364	294	04
28	965	5081	19	527	055	5106	17	099	5137	13	145	5171	09	244	5234	06	355	302	03
28	983	5066	17	515	067	5103	15	111	5134	13	157	5163	12	256	5233	07	367	327	03
30	987	5094	10	509	072	5141	09	115	5177	08	160	5190	08	259	5263	05	368	347	02
30	004	5125	10	004	084	5164	05	128	5123	06	174	5142	04	274	5218	02	385	316	02
31	007	5176	05	006	087	5116	05	131	5092		177	5137		277	5210		390	275	

DAY	500 MILLIBARS			400 MILLIBARS			300 MILLIBARS		200 MILLIBARS		150 MILLIBARS		100 MILLIBARS		80 MILLIBARS		60 MILLIBARS	
	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE
	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	gpDm	°C ×10⁻¹	gpDm	°C ×10⁻¹	gpDm	°C ×10⁻¹	gpDm	°C ×10⁻¹	gpDm	°C ×10⁻¹
02	493	366	02	645	465		829	618	074	717	240	767						
03	503	338	03	655	471		839	629	078	772	243	779	472	834				
04	502	372	02	652	486													
04	499	384	02	649	494		832	614	079	677	251	699	490	706				
05	493	378		643	494		826	631	073	665	245	709	483	744				
06	483	395		633	494		816	611	062	690	234	713	471	749	601	759		
07	483	391		633	496		817	613	063	695	235	708	473	747				
09	477	396		626	489		810	629	052	718	221	727						
09	475	430	06	623	533		803	630	048	700	218	715						
10	479	432		625	541													
11	486	425		634	500		818	608	064	710	234	735	468	786	595	785	758	815
12	487	320	03	643	403	02	832	575	075	796	238	770						
14	495	429		643	515		825	616	071	706	240	734	473	805	598	814		
14	487	382		637	504		818	649	060	713	228	753						
16	487	440		634	575		820	588	063	737	232	731	466	791				
17	478	427		626	488		812	596	056	713	225	730						
18	483	423	01	632	508		814	625	056	750	222	764	454	794	579	848		
18	481	436		629	518		810	640	052	742	218	769						
19	483	429		630	530		811	649	053	719	221	767						
20	487	415		635	503		821	613	064	741	231	775	462	805	586	829		
21	492	405	01	640	509		822	640	063	760	229	776						
22	493	433		640	544		820	637	063	730	231	743						
23	496	406		645	505		827	645	068	717	238	736						
24	502	371	01	653	457		839	610	081	757	247	769	478	802	604	817	764	848
25	514	319	04	668	447		863	619	093	785								
26	492	365	02	643	476	01	828	595	077	640	251	688						
28	482	389	02	632	508		814	619	061	675	233	706	473	723	603	755		
28	493	431		640	545		818	673	061	714	230	727						
30	493	461	01	637	597		815	633	060	709	229	749	462	784	589	803	751	822
30	511	428		658	546		839	609	086	690	256	732	492	770				
31	519	350		672	467		857	580										

Results of Radiosonde Observations,
DAVIS – Sep., 1961

DAY	SURFACE			1000 MB.	900 MILLIBARS			850 MILLIBARS			800 MILLIBARS			700 MILLIBARS			600 MILLIBARS		
	PRESSURE	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO
	mb	°C ×10⁻¹	dg/kg	gpDm	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	dg/kg
01	002	5146	07	003	082	5164	07	126	5100		173	5125		273	5207		385	305	
03	989	5130	06	507	072	5187	04	115	5225	03	159	5255	03	257	5		369	277	
04	984	5168	06	511	069	5161	06	112	5184	06	157	5191	06	255	5257	03	366	308	02
04	984	5112	10	511	070	5134	09	113	5170	08	158	5195	08	257	5225	07	368	316	03
05	986	5135	07	510	070	5170	07	113	5211	06	157	5217	07	257	5223	04	368	312	02
06	988	5113	10	508	073	5148	07	116	5161	01	161	5190	07	261	5225	07	373	264	05
07	991	5109	10	505	075	5146	07	118	5157	08	164	5140	10	265	5199	06	378	263	02
08	998	5146	07	502	078	5144	04	121	5168	04	167	5137		268	5162		382	260	
09	986	5068	11	501	072	5108	11	116	5141	11	162	5179	08	261	5211	09	393	241	07
10	988	5056	14	508	074	5107	10	118	5130	11	164	5152	11	264	5199	09	376	279	04
11	998	5140	07	500	080	5155	05	123	5191	05	168	5198	07	266	5206	09	379	273	03
13	001	5100	12	002	088	5145	10	126	5156	10	171	5185	09	269	5264	05	382	256	05
13	000	5055	14	001	083	5125	11	126	5160	11	172	5147	13	272	5173	12	387	228	08
14	996	5040	19	502	080	5100	12	124	5143	10	170	5137	13	271	5173	12	385	211	09
15	995	5104	07	503	077	5147	05	120	5175	05	166	5181	05	267	5159	06	382	226	05
16	990	5114	07	507	074	5169	05	116	5205	05	161	5205	07	260	5241	07	373	254	05
17	983	5112	09	510	069	5145	08	112	5168	07	157	5200	07	256	5214	06	369	272	05
18	987	5118	06	509	071	5148	05	114	5190	05	159	5174	06	259	5217	05	371	283	02
20	991	5140	06	505	074	5195	05	116	5217	06	161	5247	05	258	5225	07	370	292	04
20	994	5136	08	505	074	5200	05	116	5233	05	161	5266	04	256	5250	05	368	286	
21	992	5160	05	505	071	5214	03	116	5246	03	160	5282	03	256	5246	04	367	302	01
22	982	5195	03	513	066	5223	03	117	5254	03	161	5273	03	246	5275	03	358	320	
23	987	5189	04	508	070	5235	04	111	5269	04	155	5281	03	249	5332	03	358	335	01
24	995	5195	05	502	076	5211	04	117	5243	03	162	5280	03	258	5272	02	368	333	01
25	986	5185	05	509	069	5220	04	112	5212	04	157	5204	04	255	5243	02	366	315	
26	985	5156	05	511	069	5193	04	111	5218	03	156	5173	03	255	5230		366	314	
27	990	5145	05	506	073	5186	03	116	5195	03	161	5203	04	259	5239	02	370	297	02
29	967	5061	10	525	057	5076	09	101	5114	06	148	5154	06	247	5240	05	347	312	04
30	986	5026	12	509	073	5084	10	117	5121	10	163	5162	09	263	5204	08	375	270	05
30	996	5086	09	502	081	5094	08	125	5109	09	171	5110	08	273	5178	06	387	258	03

DAY	500 MILLIBARS			400 MILLIBARS			300 MILLIBARS		200 MILLIBARS		150 MILLIBARS		100 MILLIBARS		80 MILLIBARS		60 MILLIBARS	
	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE
	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	gpDm	°C ×10⁻¹	gpDm	°C ×10⁻¹	gpDm	°C ×10⁻¹	gpDm	°C ×10⁻¹	gpDm	°C ×10⁻¹
01	513	361		667	409		857	540			256	752	488	797	615	793	777	811
03	501	303		656	425		843	581	088	757	237	753	470	789	597	789		
04	503	412		642	499		825	618	070	724	235	757	466	809	591	816	752	821
04	495	408	02	643	506		825	646	067	722	233	786						
05	495	399	02	644	502		827	635	067	748	245	752						
06	502	361	02	653	484		836	620	078		256	710	495	736	625	733	793	742
07	509	347		660	472		844	615	086	716	273	648	519	672	653	679	824	721
08	512	362		663	481		847	601	096	635	279	650	521	703	652	722	822	722
09	505	315	02	660	433		849	528	103	638	264	701	503	727	633	736		
10	505	357	02	657	450		844	582	092	680	268	703	509	708	640	728	809	728
11	509	344		662	443		849	578	096	691	277	680	520	705	653	706		
13	514	296	03	669	412		858	565	105	704	279	676	521	712	653	723		
13	518	324	04	672	429		860	578	107	705	275	672	517	719	649	728		
14	517	321	03	670	442		856	622	102	668	264	735	501	735	632	735		
15	513	327	02	666	446		852	604	095	730	257	716	496	707	629	700		
16	504	335	02	656	455		842	604	086	707	251	736	488	736	618	736	787	714
17	498	348	01	651	452		837	602	081	713	242	761	475	782	602	773	768	760
18	499	391	01	648	517		830	619	074	727	240	747	475	771	603	777	768	767
20	497	395	02	647	505		829	629	072	723	236	741	471	768	590	777		
20	496	391		645	509		827	635	069	737	237	739	472	762	601	756	767	758
21	495	402	01	644	506		826	634	068	725	227	736	462	765	590	775		
22	484	411		633	514		815	623	058	727	222	745	457	771	584	785		
23	484	440		631	534		821	646	054	721	240	736						
24	494	420		642	519		825	607	071	698	236	769	468	784	595	784		
25	494	360	02	645	457		831	615	071	795	235	779	477	766	596	771	761	774
26	494	352	02	646	470	01	830	618	071	790	248	798	479	811	611	811		
27	499	360	02	651	413	01	840	563	084	773								
29	485	384	02	635	489		820	601	063	727								
30	505	358	02	656	470		840	625	081	748	248	758	481	779				
30	516	352	01	668	461		850	613	097	745	263	767	496	787				

Results of Radiosonde Observations, DAVIS – Oct., 1961

DAY	SURFACE			1000 MB.	900 MILLIBARS			850 MILLIBARS			800 MILLIBARS			700 MILLIBARS			600 MILLIBARS		
	PRESSURE	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO
	mb	°C × 10⁻¹	dg/kg	gpDm	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg
01	988	5107	07	508	073	5093	06	117	5109	05	163	5101	06	265	5156	04	380	237	
02	976	5087	09	518	063	5145	06	105	5153	05	152	5146	04	252	5195	03	365	259	02
03	983	5162	05	512	067	5189	03	110	5200	03	155	5224	03	253	5210		366	271	03
04	986	5170	05	508	070	5204	02	112	5220	02	156	5214	03	255	5216	03	367	285	02
05	990	5148	04	506	073	5160	03	116	5151		162	5159		262	5196		376	242	
07	988	5172	03	508	071	5190	02	113	5214		159	5198		258	5238		369		
07	990	5182	03	506	072	5203	04	114	5203	03	159	5199		258	5218		370	287	
08	990	5206	03	506	072	5234	02	113	5242	02	158	5194	03	267	5227		368	300	03
09	989	5125	12	507	073	5161	07	116	5174	07	161	5198	08	259	5256	06	371	284	02
10	992	5202	05	505	073	5221	05	115	5222	05	159	5228	06	257	5246	06	368	322	04
11	991	5208	04	501	072	5239	04	113	5215	07	169	5206	03	257	5234		369	294	
12	986	5189	06	510	069	5185	04	112	5204	03	157	5187		256	5199		369	276	03
13	987	5127	09	509	072	5135	08	115	5154	08	161	5150	08	261	5206	08	379	279	05
14	986	5231	05	511	068	5193	09	112	5177	10	156	5169	04	255	5227	04	366	319	03
15	983	5196	06	512	066	5210	05	109	5203	04	154	5206	04	252	5258	04	362	301	
16	989	5155	09	505	074	5186	05	117	5186	03	163	5197	04	262	5217	07	374	282	05
18	978	5098	10	515	066	5116	09	110	5134	08	156	5164	09	256	5185		371	222	
19	976	5056	12	518	064	5106	09	108	5138	10	154	5169	10	254	5180	10	368	260	06
20	983	5064	09	512	069	5119	05	113	5160	04	159	5177		258	5179		373	240	05
21	980	5079	07	514	067	5137	06	111	5165	06	156	5196	05	254	5244	06	366	272	03
21	979	5078	08	515	066	5127	07	109	5153	06	155	5170	09	254	5222	08	366	257	06
22	977	5106	06	515	066	5146	04	109	5178	03	154	5196	03	254	5195	04	366	291	04
23	975	5104	10	519	063	5151	10	106	5160	09	151	5191	08	250	5237	06	361	315	03
24	975	5151	08	518	061	5186	06	104	5209	05	148	5244	05	245	5298	04	354	345	01
25	982	5156	06	513	067	5150	07	110	5180	05	156	5198	05	255	5232	02	365	329	01
26	989	5137	09	507	073	5184	07	115	5194	07	161	5199	08	259	5235	06	371	290	04
28	993	5148	06	504	075	5216	04	116	5240	03	161	5252	03	258	5252	02	369	304	
28	989	5158	06	507	072	5207	05	114	5246	04	158	5248	04	255	5259		365	307	
29	978	5084	13	510	071	5129	11	114	5256	10	160	5186	09	259	5202	09	373	245	07
31	979	5021	17	516	068	5073	11	112	5114	09	158	5106	16	260	5161	12	375	199	10
31	985	5066	08	510	072	5109	05	116	5129	04	162	5110	05	264	5170	06	379	209	05

DAY	500 MILLIBARS			400 MILLIBARS			300 MILLIBARS		200 MILLIBARS		150 MILLIBARS		100 MILLIBARS	80 MILLIBARS		60 MILLIBARS	
	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE
	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	gpDm	°C × 10⁻¹	gpDm	°C × 10⁻¹	gpDm	°C × 10⁻¹	gpDm	°C × 10⁻¹	gpDm	°C × 10⁻¹
01	511	315		666	411		857	527	107	725	271	794	503	790	631	768	797	765
02	495	360	02	647	457		833	595	077	734	245	734	481	766	609	764	775	763
03	495	370	02	646	469		831	612	071	758	238	758	472	761	600	767		
04	496	320	01	646	497		838	629	073	695	244	712	482	731				
06	508	304	02	663	412	02	853	557	100	667								
07	497	370		649	456		836	572	084	676	258	683	501	697	633	719	803	703
07	498	361		650	467													
08	496	374	01	647	484		831	614	078	693	250	710	489	723	620	728	789	715
09	501	359		652	466		838	593	082	710	252	708	492	724	625	668		
10	494	403	01	647	503		827	607	095	669	248	692	490	695	623	691		
11	497	367		649	453		835	586	085	672								
12	498	373	02	647	477		832	625	077	695	249	703	491	686	624	683		
13	502	371	02	653	480		837	582	085	686	257	697	490	687	634	665		
14	493	402		641	525		823	625	069	691	241	694	483	696	617	663		
15	490	356		642	457		830	553	081	650	255	685						
16	503	342	03	656	435	03	844	560										
18	503	308	02	659	389	01	850	531	101	714	270	697	514	685				
19	498	320	04	654	392	02	844	550	091	754	259	709	498	720	630	702	802	681
20	503	335	03	657	451		843	589	088	731	256	728	493	737				
21	497	310		651	428		839	599	083	695	254	717	493	728	624	726	825	705
21	496	335	03	649	442		835	610	091	701	252	712	490	726	621	709		
22	495	355	02	644	458	01	829	598	074	719	245	712	485	691	619	671	794	633
23	488	374	02	639	484		823	614	068	692	239	704	482	675	617	640	794	628
24	479	422		627	527		810	590	061	645	236	652	484	635	621	650		
25	492	395		642	489		826	599	075	639	252	649						
26	499	385	02	649	501		833	568	085	638	252	642	511	622	649	614		
28	497	370		648	470		834	577	089	609	256	625	516	624	654	629	833	592
28	493	389		643	496		827	587	079	633	255	627	506	618	645	591	846	582
29	503	337	03	657	438	01	844	585	092	664	257	659	517	616				
31	508	297	04	664	410	02	853	574	098	692	273	608	528	571	660	553	855	506
31	511	306	03	666	412		854	604	099	662	278	597	533	565	676	517		

Results of Radiosonde Observations,
DAVIS – Nov., 1961

DAY	SURFACE			1000 MB.	900 MILLIBARS			850 MILLIBARS			800 MILLIBARS			700 MILLIBARS			600 MILLIBARS		
	PRESSURE	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO
	mb	°C × 10⁻¹	dg/kg	gpDm	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg
01	981	5107	06	515	067	5146	04	110	5172	03	155	5180		255	5175		369	238	
03	986	5059	10	509	073	5136	08	116	5174	06	162	5196	04	261	5187	03	375	250	05
04	987	5066	16	509	073	5123	12	116	5160	10	161	5177	10	260	5220	07	372	302	04
05	989	5057	11	507	074	5122	09	118	5132	10	164	5146	09	264	5217	05	375	290	02
05	991	5080	13	506	075	5129	11	118	5161	10	164	5158	10	263	5219	07	375	280	05
06	976	5065	23	518	064	5104	18	138	5133	15	154	5171	11	254	5218	08	366	257	06
07	991	5110	11	507	075	5120	07	119	5128	05	155	5143	05	265	5191	04	378	257	
09	963	5054	15	528	054	5100	11	098	5128	09	144	5142	09	245	5175	11	359	244	07
10	978	5004	15	516	066	5095	14	110	5137	11	156	5153	12	257	5194	10	369	286	05
10	989	5068	08	507	074	5131	08	118	5145	11	164	5141	11	270	5190	06	383	275	02
11	995	5081	09	502	049	5109	10	123	5124	05	169	5164	09	269	5170	05	383	264	02
12	994	5077	10	503	078	5111	06	122	5114	06	168	5129	09	269	5171	10	384	242	07
14	981	5024	19	514	069	5079	16	113	5115	14	160	5142	13	261	5195	10	373	275	05
14	985	5021	13	510	072	5112	11	115	5134	12	162	5161	11	252	5184	11	375	261	06
15	993	5064	07	505	077	5140	05	121	5173	06	155	5196	07	254	5221	07	377	267	05
16	993	5085	09	504	077	5132	08	120	5154	08	166	5188	08	266	5195	03	379	260	
17	988	5054	07	507	075	5123	05	118	5135	06	164	5135	04	266	5167	04	380	212	03
18	977	5076	14	505	066	5129	11	110	5160	10	155	5188	09	254	5213	07	366	288	04
19	998	5100	11	508	073	5100	09	117	5127	09	163	5158	07	253	5184		377	236	
20	995	5079	15	503	076	5103	10	123	5128	09	169	5139	05	270	5167		384	248	06
21	994	5094	07	503	078	5106	08	122	5111	06	169	5115		270	5157		385	236	
23	985	5016	09	510	073	5099	10	117	5106	07	163	5141	06	264	5184	10	378	236	08
24	985	003	18	511	073	5074	14	117	5109	12	163	5136	14	264	5172	12	378	237	07
24	990	5027	12	506	077	5089	11	121	5127	12	167	5163	11	266	5224	07	379	246	07
25	983	003	16	512	071	5084	13	115	5123	13	161	5153	12	261	5180	10	376	237	02
26	988	003	18	509	075	5064	15	120	5093	17	166	5118	10	267	5215	08	380	272	05
27	991	5034	15	506	077	5059	14	122	5104	13	169	5122	10	270	5184	04	383	278	02
28	984	5046	11	512	071	5094	08	115	5119	08	161	5139	05	259	5178	04	373	247	02
29	982	5036	13	513	069	5109	09	113	5140	09	159	5155	10	259	5198	03	372	260	
30	984	5042	19	511	071	5096	13	115	5129	11	161	5172	09	260	5213	06	373	279	03

DAY	500 MILLIBARS			400 MILLIBARS			300 MILLIBARS		200 MILLIBARS		150 MILLIBARS		100 MILLIBARS		80 MILLIBARS		60 MILLIBARS	
	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE
	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	gpDm	°C × 10⁻¹	gpDm	°C × 10⁻¹	gpDm	°C × 10⁻¹	gpDm	°C × 10⁻¹	gpDm	°C × 10⁻¹
01	500	320	02	654	438		841	569	093	604	274	565	534	524	679	492	869	468
03	505	333	03	659	441		842	590	089	654	265	618	518	560	661	525	850	480
04	499	365	02	651	457		838	581	090	640	267	622	519	587	661	542		
05	504	364		655	463		840	609	088	642	265	637	515	601				
05	504	371	02	654	494	01	838	595	089	625	267	620	522	553	665	535	853	469
06	496	329	04	649	455		835	599	084	632	261	612	516	565	658	540	844	513
07	508	309		663	408		853	554										
09	489	318	04	643	432		831	570	084	610	262	632	512	603	652	583		
10	497	394	02	645	575		828	593	078	635	255	651	504	614	643	583		
10	512	380		662	487		845	609	095	656	270	658	519	611	659	582	841	559
11	513	354		665	463		850	609	095	669	270	649	520	604	659	581	842	554
12	515	324	04	669	412	02	859	551	106	704	290	650	529	614	669	597	850	566
14	502	370	02	654	444		841	586	092	596	273	598	527	582	669	576	851	557
14	505	345	03	657	455	01	844	593	095	601	274	617	525	603	665	588	847	546
15	506	362	02	657	478		842	611	092	615	269	633	521	594	662	568	844	565
16	509	342		661	469		848	562	101	605	281	586	537	575	678	570	861	550
17	514	275	04	670	395	02	861	547	115	611								
18	494	365	02	646	455	01	833	554	091	558	275	557	536	508	581	502	869	498
19	510	274		667	384		858	550	110	588	291	578						
20	514	333	03	667	444	01	854	580	107	592	288	581	532	521	677	496	866	488
21	516	316		671	396		863	594	107	659								
23	510	293	05	665	420		854	568	107	574	289	553						
24	510	308	04	664	439	01	850	578	105	542	290	540	551	529	696	493	886	450
24	510	312	04	664	444		851	591	106	553	290	555	551	518	697	459	888	456
25	507	318		662	414		850	605	102	579	285	556	547	500	698	445	889	405
26	509	334	03	662	435	01	851	557	104	577	287	553	549	491	697	453	890	407
27	512	352		668	429		855	568	111	549	296	525	562	454	711	449	904	418
28	503	322		657	440		845	562	104	496	294	458	565	448	715	437	909	414
29	502	335		656	444		843	533	107	473	299	454	569	457	715	443		
30	502	345	02	654	446		843	534	107	469								

Results of Radiosonde Observations,
DAVIS – Dec., 1961

DAY	SURFACE			1000 MB.	900 MILLIBARS			850 MILLIBARS			800 MILLIBARS			700 MILLIBARS			600 MILLIBARS		
	PRESSURE	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO
	mb	°C × 10⁻¹	dg/kg	gpDm	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	−°C × 10⁻¹	dg/kg
01	991	5049	26	505	077	5093	21	120	5126	16	166	5160	12	266	5209	08	378	274	05
02	990	5038	17	506	076	5076	13	120	5108	11	166	5141	09	266	5228	06	378	280	04
03	990	5021	12	506	077	5084	08	121	5099	08	168	5126	08	268	5188	03	382	254	06
04	990	5035	11	507	076	5097	10	120	5124	11	166	5153	06	267	5170	04	381	230	07
05	987	5036	14	509	074	5093	13	118	5108	13	164	5137	13	265	5206	08	377	261	05
06	987	5024	22	509	074	5074	20	117	5096	18	163	5107	18	254	5205	08	367	291	04
07	965	5008	18	527	056	5068	13	100	5108	12	147	5152	11	247	5225	07	358	292	04
08	981	5041	21	514	069	5093	17	113	5121	14	158	5154	11	258	5210	08	371	286	04
09	982	5004	18	513	071	5063	16	115	5096	16	162	5119	17	263	5173	11	377	241	07
10	978	5017	27	517	066	5082	20	111	5111	17	157	5143	14	257	5191	09	370	281	04
11	983	5006	29	512	071	5079	21	115	5103	18	162	5134	15	262	5186	10	376	270	05
12	989	5030	19	507	076	5090	18	120	5105	18	166	5140	12	267	5200	08	380	265	05
13	982	5040	13	513	069	5092	13	113	5130	13	159	5162	12	259	5198	09	373	257	05
14	988	5044	11	509	074	5101	11	118	5136	10	166	5172	09	263	5207		376	275	
15	983	5038	17	512	071	5096	10	115	5136	08	160	5171	07	259	5230	05	370	291	02
16	984	5030	20	511	071	5081	18	116	5105	16	162	5135	14	262	5205	09	375	285	04
17	983	5008	21	512	071	5074	20	116	5095	19	162	5127	16	263	5191	10	376	281	05
18	980	5030	22	514	069	5078	18	113	5094	19	159	5131	15	260	5200	09	373	295	04
19	978	5042	20	516	066	5088	19	110	5119	16	157	5145	12	257	5220	08	369	279	03
20	980	5047	21	515	068	5081	17	112	5115	14	158	5151	12	258	5226	07	370	297	04
21	983	5015	19	513	070	5090	15	114	5119	15	161	5149	12	260	5228	07	372	307	04
22	986	5021	17	509	074	5090	14	118	5116	13	164	5136	12	265	5192	08	378	281	05
23	984	5025	15	512	075	5074	10	116	5105	09	162	5145	09	263	5176		376	254	
24	991	5008	14	506	077	5063	15	122	5092	15	169	5111	14	269	5209	06	382	275	02
25	987	5022	17	510	074	5085	17	118	5116	14	164	5133	11	265	5189	05	378	270	02
26	987	5023	19	509	074	5085	17	118	5119	13	164	5155	11	263	5228	07	375	302	04
27	979	5004	16	516	068	5074	14	112	5103	12	158	5132	14	259	5205	09	371	274	05
28	976	5009	22	518	065	5065	18	110	5075	20	157	5102	18	258	5178	11	372	256	06
29	974	5011	11	520	063	5073	09	108	5106	09	155	5127	08	256	5172	04	369	269	04
30	974	5044	11	519	063	5092	13	107	5121	10	153	5148	06	253	5197	04	366	267	05
31																			

DAY	500 MILLIBARS			400 MILLIBARS			300 MILLIBARS		200 MILLIBARS		150 MILLIBARS		100 MILLIBARS		80 MILLIBARS		60 MILLIBARS	
	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE
	gpDm	−°C × 10⁻¹	dg/kg	gpDm	−°C × 10⁻¹	dg/kg	gpDm	−°C × 10⁻¹	gpDm	−°C × 10⁻¹	gpDm	−°C × 10⁻¹	gpDm	−°C × 10⁻¹	gpDm	−°C × 10⁻¹	gpDm	−°C × 10⁻¹
01	508	355	03	660	456		846	561	105	524	293	477	564	435	714	419	909	416
02	501	352	02	659	468		846	566	104	528	290	511	559	410	711	405	909	360
03	512	318	04	666	425		856	540	115	522	302	508	569	461	718	454	911	413
04	512	323	04	666	425		855	549	117	485	304	538	569	469	717	468	909	438
05	507	333	03	661	434	01	849	558	113	471	305	442	578	437	727	459	919	446
06	494	389		645	446		834	519	096	518	284	492	553	433	704	419		
07	489	276	06	645	406	02	834	554	091	557	276	513	544	436	695	396		
08	499	375	02	649	499	01	835	559	093	540	276	516	546	456	696	424	892	401
09	510	344		659	472		844	579	101	517	289	486						
10	500	340	02	653	458		840	552	101	491	290	465	560	452	709	446		
11	505	358	03	657	464	01	843	593	101	503	290	478	562	422	713	413		
12	509	364	02	661	457		847	577	106	518	295	466	566	427	718	417		
13	502	363	02	654	452		842	559	098	548	285	485	555	424	708	387	905	385
14	505	356	01	657	461		843	571	099	549	285	502	555	414	707	398	904	390
15	499	354		650	461		836	588	094	534	281	485	553	410	706	376		
16	503	384	02	653	492		837	583	092	579	287	479	549	416	702	380		
17	504	380	02	655	470	01	843	545	102	520	290	484	561	409	714	400	911	381
18	501	372	02	651	472		836	591	097	500	286	482	556	433	707	424	903	404
19	498	340	01	652	439		839	543	103	495	292	485	562	445	712	412	907	406
20	498	365	02	650	452		838	562	101	485	291	464	562	431	712	434	907	412
21	500	362	02	652	447	01	840	565	097	528	285	485	555	431	708	396	904	396
22	506	370	02	658	451		845	572	103	532	291	490	561	428	711	444		
23	507	341	02	660	437	01	847	555	106	521	294	494	562	445	713	425	908	420
24	511	340	01	664	457		851	535	114	506	302	492	571	433	722	418	917	414
25	507	370	01	658	466		846	525	110	484	300	466						
26	502	397	02	652	483		839	536	102	482	292	454	564	432	715	424		
27	500	370	02	651	460	01	838	561	102	483	293	439	568	405	720	398	920	395
28	502	335	03	655	434		843	564	101	511	291	453	564	453	716	387		
29	499	342	02	652	440	01	839	571	095	521	284	455	559	400	711	387		
30	496	356	03	647	462		834	565	095	497	285	453	559	405	712	397		
31																		

Results of Radiosonde Observations,
MACQUARIE – JAN., 1961

DAY	SURFACE			1000 MB.	900 MILLIBARS			850 MILLIBARS			800 MILLIBARS			700 MILLIBARS			600 MILLIBARS		
	PRESSURE	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO
	mb	°C × 10⁻¹	dg/kg	gpDm	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	−°C × 10⁻¹	dg/kg
01	013	043	41	011	096	5003	31	142	005	15	190	5020	15	295	5083	13	414	139	07
02	004	054	50	004	087	011	42	135	5027	35	184	010	46	291	5015	18	412	070	09
03	983	045	51	513	072	019	45	118	000	33	167	5020	19	272	5056		391	130	
04	979	061	46	517	069	003	37	115	5023	35	163	5022	31	268	5097	16	385	180	11
05	999	066	57	000	086	011	43	132	5010	38	180	5031	35	285	5088	24	403	163	13
06	016	039	40	013	098	5023	19	144	017		193	007		299	5023	14	419	115	16
07	007	067	60	006	093	048	59	140	024	40	188	033	47	295	5039	24	415	094	22
08	004	030	44	004	088	007	41	134	5026	35	182	5034	35	287	5085	21	405	144	
09	997	060	58	502	084	002	42	130	5025	37	177	5061	27	281	5106	21	399	128	21
10	004	045	38	004	088	5040	27	133	5055	25	181	5076	20	284	5106	10	401	147	
11	011	058	54	010	096	032	49	142	019	48	191	005	40	297	5035	37	418	101	24
12	010	075	55	009	095	078	30	141	076		191	051	39	299	5023	40	420	094	28
13	996	075	63	503	085	098	77	132	060	61	182	078	36	291	006	32	413	080	15
14	995	053	48	504	082	5008	35	127	5038	30	175	5056	27	279	5101	21	396	170	13
15	008	080	61	007	094	069	65	141	063	63	190	022	50	297	5029	36	418	080	19
16	013	077	53	011	098	059	54	145	040	49	194	027	23	301	5009	12	423	075	
17	008	080	67	007	094	050	61	141	031	56	190	000	45	297	5008	12	418	081	
18	001	061	53	002	087	5005	37	132	5030	32	180	5063	28	284	5125	19	400	191	11
19	020	056	46	017	101	5027	31	147	5035	28	195	5036	24	299	5097	13	417	160	08
20	004	079	64	004	091	051	60	137	040	55	186	028	54	294	5028	41	415	087	27
21	999	047	43	000	085	5025	27	130	5055	22	177	5095	17	279	5152	10	394	259	05
22	015	060	37	013	097	5042	23	142	5030	16	190	5030	11	295	5058	26	415	116	17
23	004	073	53	004	090	025	30	136	012	21	185	5008	17	291	5055	27	411	084	16
24	996	070	55	503	084	032	47	130	019	44	179	5011	38	285	5026		406	067	
25	999	055	43	000	084	5020	33	130	5030	32	178	5030	25	283	5057	08	403	108	12
26	012	054	41	010	095	5043	25	140	5030	25	188	5019	25	294	5047	21	413	130	11
27	011	062	39	010	094	012	17	140	022	31	189	022	31	297	006	14	419	052	10
28	005	045	43	005	090	025	46	136	023	45	185	030	32	293	013	29	415	067	18
29	990	074	61	508	079	043	55	126	050	59	175	038	55	284	5008	42	406	067	26
30	981	080	58	519	068	037	48	114	011	36	163	5012	33	269	5060	11	387	125	18
31	983	063	46	513	072	005	36	118	5029	28	166	5055	26	269	5120	13	386	200	08

DAY	500 MILLIBARS			400 MILLIBARS			300 MILLIBARS		200 MILLIBARS		150 MILLIBARS		100 MILLIBARS		80 MILLIBARS		60 MILLIBARS	
	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE
	gpDm	−°C × 10⁻¹	dg/kg	gpDm	−°C × 10⁻¹	dg/kg	gpDm	−°C × 10⁻¹	gpDm	−°C × 10⁻¹	gpDm	−°C × 10⁻¹	gpDm	−°C × 10⁻¹	gpDm	−°C × 10⁻¹	gpDm	−°C × 10⁻¹
01	550	227		709	356		903	505	165	508	354	512	615	516	760	503	948	494
02	552	166		716	292		916	436	177	567	364	523	624	537	768	529		
03	528	202		689	333		887	410	160	454	351	456	617	503	763	494	952	494
04	519	269	03	675	414		867	424	145	387	341	414	616	436	765	442	957	463
05	537	265	06	695	388	02	886	509	152	482	342	466						
06	557	206	08	719	307	04	917	457	176	609	359	532	621	516	767	510		
07	555	158	12	719	279	04	920	421	180	636	361	549	621	527	765	523		
08	541	234		700	370		892	509	155	508	343	490	609	487	757	474	947	465
09	536	220	11	696	334	04	892	496	152	515	340	488	607	462	755	468		
10	539	194	09	701	310	03	898	466	159	544	345	505	611	478	760	456		
11	557	160	08	721	283	04	921	436	183	609	363	559	624	517				
12	560	163	09	725	276	03	924	454	184	566	367	573	625	538	769	514	956	501
13	552	166	06	716	284	03	915	456	174	604	358	538	619	523	764	498		
14	531	245	08	690	360	03												
15	557	176		720	306		917	469	179	573	363	546	624	527	769	501		
16	562	178		725	310		923	438	185	571	370	538	632	520	777	504		
17	557	169	07	721	287	03	921	440	183	557	369	528	629	536	773	500		
18	533	273	02	690	396		884	445										
19	551	260	02	710	352	02	904	505	162	548	374	509						
20	534	185	12	717	293	05	915	444	175	626	356	556	617	517	763	500	951	495
21	523	336		678	386		874	434	146	451	339	459	608	469	756	471		
22	553	185	09	716	290	03	914	464	171	625	354	526	617	506	763	479	953	485
23	551	165		713	311	02	911	451	177	488	364	530	624	526	769	529		
24	547	137		713	225	05	918	379	187	537								
25	540	180	14	707	242	05	909	418										
26	550	209	05	712	288	06	913	414	176	611	358	546	618	527	763	515	950	516
27	560	148	06	725	258		926	435	186	655	365	561	625	540	769	530	955	510
28	556	147		721	258		922	436	185	544	370	531	626	547	772	557	958	494
29	545	162	11	709	413	04	910	439	177	480	366	525	625	556	769	539		
30	525	212	11	685	343	04	881	471	148	480	339	469	606	495	752	499		
31	518	308	05	673	410	02	867	433	140	421	333	428	606	449	754	474	944	487

Results of Radiosonde Observations, MACQUARIE – Feb., 1961

DAY	SURFACE			1000 MB.	900 MILLIBARS			850 MILLIBARS			800 MILLIBARS			700 MILLIBARS			600 MILLIBARS		
	PRESSURE	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO
	mb	°C × 10⁻¹	dg/kg	gpDm	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	−°C × 10⁻¹	dg/kg
01	001	050	44	001	087	5017	36	132	5043	29	179	5069	23	283	5121	11	400	164	
02	007	057	48	006	092	032	16	138	003		186	5029	22	292	5053	36	411	120	23
03	005	054	53	005	090	023	48	137	023	48	185	5001	46	291	5063	46	410	135	07
04	996	071	51	003	083	020	37	129	5002	34	178	5004	22	283	5059	25	403	120	18
05	004	078	52	004	090	015	28	136	5010	26	184	5040	24	288	5102	16	406	147	06
06	003	076	60	003	089	039	54	136	017	48	184	5009	43	290	5060	32	409	138	18
07	996	064	58	503	084	060	61	131	050	61	180	018	50	287	5064	30	406	117	08
08	968	044	42	527	059	5013	32	104	5044	28	151	5073	25	255	5098	22	372	173	11
09	996	058	32	503	082	5024	20	127	5070	18	174	5109	18	277	5125		393	195	
10	998	026	32	501	083	5040	26	128	5078	22	175	5108	18	276	5161	10	393	182	
11	005	061	46	005	090	5033	29	135	5065	23	182	5095	19	285	5105	11	403	145	
12	993	065	55	505	081	007	42	126	5016	37	174	5050	31	279	5039		399	115	08
13	002	039	37	002	087	5045	26	131	5077	20	178	5102	17	280	5133	16	397	186	12
14	000	067	58	001	087	045	52	133	034	52	182	000	44	289	5035	40	409	103	25
15	000	050	42	001	085	5024	32	130	5051	27	178	5071	23	282	5092	12	401	115	22
16	995	040	38	504	081	5035	25	126	5072	19	173	5104	16	274	5172	03	388	245	04
17	007	034	29	006	091	5051	21	135	5090	19	182	5120	17	283	5121	11	401	146	10
18	995	066	60	503	083	037	55	129	010	47	178	5003	46	284	5036	38	405	098	24
19	984	039	42	513	072	5033	26	117	5070	23	164	5104	19	265	5172	12	379	224	06
20	004	055	28	004	088	5035	19	133	5075	17	180	5119	15	282	5137		398	158	
21	997	037	28	502	082	5052	17	127	5093	17	173	5128	15	275	5150	07	391	180	
22	000	035	27	001	085	5044	21	130	5078	19	177	5112	16	279	5134	09	396	136	06
23	006	049	32	005	090	5044	24	135	5081	22	183	013		289	5020	19	410	108	12
24	009	045	40	008	092	5045	29	138	5004	37	187	034	25	294	5026	10	415	099	08
25	016	054	37	013	098	5010	35	144	005	27	193	5002	21	299	5050	20	419	125	12
26	014	058	46	012	097	5010	34	143	000	25	191	5017	32	296	5084	21	415	140	
27	028	049	37	023	108	021	24	153	5021	12	201	5032	15	308	5062	16	428	103	13
28	025	075	51	021	106	5010	38	152	5006	26	201	040	31	309	5023	20	429	095	15

DAY	500 MILLIBARS			400 MILLIBARS			300 MILLIBARS		200 MILLIBARS		150 MILLIBARS		100 MILLIBARS		80 MILLIBARS		60 MILLIBARS	
	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE
	gpDm	−°C × 10⁻¹	dg/kg	gpDm	−°C × 10⁻¹	dg/kg	gpDm	−°C × 10⁻¹	gpDm	−°C × 10⁻¹	gpDm	−°C × 10⁻¹	gpDm	−°C × 10⁻¹	gpDm	−°C × 10⁻¹	gpDm	−°C × 10⁻¹
01	535	233	03	696	311		894	444	163	454	355	457	621	511	766	501		
02	549	196	13	712	285	05	912	412	175	601	357	532	618	539	762	519	948	511
03	548	191		710	312		908	461	167	552	353	523	615	526	759	523	945	508
04	540	213	09	700	347	03	895	488	154	524	341	500	605	512	751	499	939	507
05	542	229	08	702	340	04	897	494	155	553	341	511	605	498	752	479	941	487
06	546	219	09	707	320	04	903	487	161	571	345	532	607	532	751	497	940	499
07	543	209		704	327		900	496	157	540	343	503	607	507	752	504		
08	506	260	03	663	401	01	861	371	139	410	333	451	601	485	748	486	937	477
09	527	284	03	682	402	01	874	521	142	432	336	451	604	477	752	467	943	478
10	527	260		685	383	02	876	536	140	465	331	473	599	474	747	474	937	469
11	539	245		697	377		888	538	145	527	332	511	597	497	743	483	932	485
12	536	225	07	697	340	03	891	492	151	528	338	497	603	495	750	494	939	484
13	531	272	06	687	405	01	877	516	144	458	335	467	603	482	750	492	939	480
14	548	178	15	711	302	06	909	455										
15	540	169	15	704	290	06	903	446	164	556	349	535						
16	519	330		672	431		864	475	133	461	324	475	591	486	738	493	926	503
17	537	247	06	696	342	03	891	482	148	569	333	532	594	525	739	503		
18	544	171	14	708	287	06	908	433	169	644	348	569						
19	512	228	03	675	295		873	445	143	434	334	465	601	485	748	502		
20	533	227	08	695	315		893	439	158	530	343	533						
21	526	258		684	354		879	493	145	482	345	481	599	511	743	515		
22	533	207		694	345		888	513	151	474	340	506	603	529				
23	547	208		709	321		905	475	164	587	348	561	608	548	751	544		
24	552	201		714	313		910	478	169	550	354	531	615	540	759	531	944	529
25	555	210		716	333		912	495	171	556	356	535	617	538	760	538	945	538
26	551	237	03	710	363	01	903	525	163	503	351	498	615	532	758	537	944	541
27	566	194	08	728	314	02	925	478	182	655	361	580	619	547	762	533		
28	568	184	05	730	327	03	926	479	181	637	362	578	620	553	763	531		

Results of Radiosonde Observations,
MACQUARIE – Mar., 1961

DAY	SURFACE			1000 MB.	900 MILLIBARS			850 MILLIBARS			800 MILLIBARS			700 MILLIBARS			600 MILLIBARS		
	PRESSURE	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO
	mb	°C × 10⁻¹	dg/kg	gpDm	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	−°C × 10⁻¹	dg/kg
01	003	072	63	003	089	034	52	156	028	53	185	5004	44	290	5059	32	409	130	07
02	000	035	32	001	085	030	20	130	5071	17	177	5101	15	278	5170	08	393	224	03
03	002	054	50	002	088	5004	39	133	5030	34	181	5029	37	287	5076	25	405	133	15
04	982	057	42	514	071	5015	23	116	5055	20	164	5077	23	266	5139	13	382	205	07
05	984	030	42	513	072	5042	29	117	5055	27	164	5104	20	267	5135	17	383	194	11
06	972	071	58	523	063	025	47	109	5005	41	158	5023	37	262	5097	21	380	158	05
07	986	020	40	510	074	5025	30	119	5063	24	166	5089	22	268	5170	11	382	245	05
08	990	032	37	507	077	5045	18	121	5070	18	168	5100	18	269	5177	12	383	237	
09	985	065	48	512	074	000	34	119	5035	28	167	5058	28	271	5124	18	387	192	11
10	988	055	47	510	076	5012	32	121	5043	29	163	5072	24	272	5145	14	387	235	06
11	015	056	42	013	098	5003	37	143	5028	32	191	5007	32	297	5059	27	417	104	18
12	015	051	47	013	098	5028	32	143	016	32	192	011		299	5022		419	101	
13	019	070	55	016	101	5016	35	147	045	17	196	031		304	5015		423	104	
14	997	075	63	502	085	057	63	132	035	55	181	000	43	287	5048	27	406	120	11
15	999	070	64	501	086	022	50	132	5011	41	180	5016	40	286	5055	29	406	104	18
16	987	047	39	510	075	5020	27	120	5058	21	167	5096	19	269	5153	14	385	205	09
17	011	057	33	010	094	5034	23	139	5076	18	186	5105	08	288	5151		403	230	03
18	988	079	62	510	077	075	67	125	090	61	176	094	39	285	010	19	406	085	16
19	988	077	62	509	077	045	53	124	029	52	173	5003	43	279	5053	32	399	126	16
20	000	060	42	001	086	5017	29	131	006	23	180	5017		285	5046	25	405	120	13
21	002	065	61	002	088	026	45	134	005	31	183	5010	38	289	5058	31	408	144	18
22	993	035	43	505	081	044	52	127	011	43	176	5014	39	282	5051	38	402	118	19
23	997	067	48	502	084	000	35	130	5026	30	177	5055	27	281	5126	17	398	140	08
24	012	044	38	010	095	5035	30	140	5066	25	187	5060	14	288	5090		401	124	12
25	006	056	37	006	090	5030	26	135	5073	21	183	5047		286	5114		403	165	05
26	017	040	37	014	099	5046	27	147	5008		192	5000	33	299	5042	26	419	107	19
27	999	045	38	000	085	5034	29	130	5060	25	178	5046		282	5119		398	207	
28	003	045	41	003	088	5021	29	134	5019	29	181	5052	19	286	5076	26	405	132	18
29	002	046	42	003	088	5015	28	133	5006	15	182	5015	12	287	5063	08	406	117	21
30	964	034	43	530	036	5010	36	102	5016	36	150	5026	35	255	5071	24	374	117	17
31	974	020	26	521	064	5038	19	109	5076	17	156	5121	15	256	5206	05	369	280	

DAY	500 MILLIBARS			400 MILLIBARS			300 MILLIBARS		200 MILLIBARS		150 MILLIBARS		100 MILLIBARS		80 MILLIBARS		60 MILLIBARS	
	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE
	gpDm	−°C × 10⁻¹	dg/kg	gpDm	−°C × 10⁻¹	dg/kg	gpDm	−°C × 10⁻¹	gpDm	−°C × 10⁻¹	gpDm	−°C × 10⁻¹	gpDm	−°C × 10⁻¹	gpDm	−°C × 10⁻¹	gpDm	−°C × 10⁻¹
01	547	208	05	708	319		905	459	165	564	350	527	611	537	755	528		
02	525	308		682	360		879	429	153	441	345	453	611	513	755	521	941	534
03	542	230	07	704	299	04	903	427	166	573	350	555	610	546	753	540		
04	515	285	03	671	387		864	441	137	448	329	470	558	478	745	487		
05	516	274	08	673	387	02	864	516	133	441	325	468	592	498	738	493	925	522
06	515	247		674	368		867	501	137	434	330	460	596	500	741	509	928	523
07	513	308	02	668	417		858	485	132	420	326	436	596	471	744	471		
08	515	325		668	444		856	534	124	435	317	459	587	461	735	474	924	515
09	520	296	04	675	433		861	574	125	467	317	459	587	459	735	468	925	483
10	517	341	02	670	415		864	424	137	454	327	483	595	479	741	491		
11	555	192	09	716	322	02	912	482	169	632	348	578	605	558	748	537		
12	557	206		719	300		917	476	173	631	353	590	607	580	749	560	933	552
13	562	215		722	339		918	484	175	592	357	567	612	579	754	556		
14	544	218	05	704	343	02	898	523	159	519	345	521	607	542	750	537		
15	544	193	09	706	316	03	902	481	160	575	344	542	605	537	748	542		
16	517	295	04	672	413		862	474	134	429	326	472	593	488	740	486	928	495
17	533	337		688	381		881	508	144	506								
18	546	175	12	709	284	05	908	454	166	654	347	560	603	583	745	557	929	543
20	536	204	09	697	324	03	893	498	155	518	341	533	602	532	747	515	934	506
20	543	191	05															
21	545	205	10	706	316	05	903	490	163	516	349	518	610	546	752	554	936	542
22	539	202	10	700	332	03	888	478	160	509	349	499	613	515	758	528	944	512
23	534	231	08	694	332	05	892	407	166	460	354	536	615	543	758	537	942	553
24	545	189	08	707	295	04	907	429	169	567								
25	537	270	03	695	388		887	482	158	440	348	514	611	527	754	537	940	529
26	557	194	11	719	320	05	915	486	172	583	355	551						
28	534	192		698	271		898	438	164	506								
28	541	227	06	701	330	02	897	484	159	527	345	543	604	536	747	545		
29	544	204	12	705	316	05	902	474	160	570	344	530	605	541	747	533		
30	512	210	08	673	339	03	867	516	132	470	323	481	589	596	735	501		
31	498	359	02	650	451		840	450	115	404	310	425	580	478	726	499		

Results of Radiosonde Observations,
MACQUARIE – Apr., 1961

DAY	SURFACE			1000 MB.	900 MILLIBARS			850 MILLIBARS			800 MILLIBARS			700 MILLIBARS			600 MILLIBARS		
	PRESSURE	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO
	mb	°C × 10⁻¹	dg/kg	gpDm	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	−°C × 10⁻¹	dg/kg
01	002	031	32	002	086	5049	23	131	5052		179	5077		282	5072	24	401	149	16
02	010	057	46	009	094	005	17	140	023	23	189	5002	14	295	5058	08	414	135	16
03	012	069	55	010	096	049	31	143	058	30	193	021	28	299	5010		421	066	
04	007	073	54	006	092	026	45	138	012	41	187	000	34	293	5035		413	122	
05	020	071	55	017	103	026	45	149	5014	37	198	020	11	304	5041		424	090	
06	008	078	64	007	094	056	60	141	040	57	190	015	50	296	5056	31	415	147	
07	021	047	39	017	102	5011	13	147	5051	07	194	5075	07	297	5155	06	412	174	
08	022	066	56	019	105	038	46	151	5002	40	199	5021	32	306	5005		427	105	
09	023	065	52	019	104	5016	34	150	058	21	199	042		307	5018		428	095	
10	010	066	57	009	095	056	62	142	042	60	191	015	52	298	5011	18	419	096	15
11																			
12	000	035	33	001	085	5050	21	130	5087	17	177	5108	15	279	5123	09	395	175	
13	017	027	25	014	098	5073	19	142	5045	08	190	5059		293	5122	05	410	176	07
14	008	038	41	007	092	5005	41	138	5011	41	186	5036	36	291	5072	30	410	119	21
15	003	020	38	003	088	029		134	014		182	5010	20	287	5041	24	407	119	06
16	003	047	48	003	088	5021	36	135	5035	34	181	5060	28	285	5087	21	404	155	12
17	010	048	43	009	096	5026	32	139	010	25	187	5020	11	289	5087		408	157	08
18	011	063	56	010	095	019	43	141	012	40	190	000	33	296	5060	24	415	136	15
19	012	065	53	010	096	011	42	142	5011	37	191	028		298	5032		418	117	22
20	000	072	60	001	087	050	58	134	030	50	183	5008	42	288	5048	22	409	097	
21	013	038	30	011	095	5051	17	140	5065	07	187	5096	06	289	5124	07	406	166	07
22	000	058	56	001	089	092	81	135	066	70	185	038	60	282	5018	46	412	097	27
23	992	061	56	506	080	042	55	126	025	52	175	002	46	281	5070	30	400	143	14
24	982	019	37	512	073	5034	29	118	5067	23	165	5096	20	268	5148	13	383	227	07
25	997	050	40	502	083	5025	29	128	5061	22	176	5085	19	278	5151	13	394	197	11
26	992	010	34	506	078	5054	21	123	5086	15	169	5119	11	270	5202	09	383	223	
27	005	046	44	005	089	5033	30	134	5033	29	183	5024	20	288	5073	24	406	132	11
28	999	068	58	000	086	025	49	133	015	47	181	000	45	287	5056	33	407	130	15
29	011	054	41	010	095	5027	27	140	5046	29	187	5038	33	292	5095	15	410	159	09
30	999	050	36	000	084	5035	26	129	5054	17	177	5085	08	278	5167	04	393	231	

DAY	500 MILLIBARS			400 MILLIBARS			300 MILLIBARS		200 MILLIBARS		150 MILLIBARS		100 MILLIBARS		80 MILLIBARS		60 MILLIBARS	
	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE
	gpDm	−°C × 10⁻¹	dg/kg	gpDm	−°C × 10⁻¹	dg/kg	gpDm	−°C × 10⁻¹	gpDm	−°C × 10⁻¹	gpDm	−°C × 10⁻¹	gpDm	−°C × 10⁻¹	gpDm	−°C × 10⁻¹	gpDm	−°C × 10⁻¹
01	538	202	11	700	321	03	897	472	157	602	338	564	597	543	740	538		
02	550	224	09	710	356	03	903	528	159	556	343	542	602	555	744	549		
03	561	166		725	270		925	454	183	677	357	611	611	586	751	581	932	578
04	550	226		710	343		904	490	167	529	352	567	609	569	749	573	931	573
05	562	204		724	310	03	921	471	179	626	357	607	610	580	751	564		
06	552	215	05	712	330		910	477	169	566	352	560	612	540	754	547	937	563
07	547	262		704	375		897	525	157	527	342	538	602	557	744	551	927	568
08	565	192	09	728	287	05	927	461	184	664	359	636	610	604	750	593	930	579
09	565	199		728	310		925	470	181	634	359	602	612	592	753	575		
10	558	185	08	721	307	02	918	481	175	616	354	602	608	590	749	579		
11																		
12	529	272		686	392		878	513	140	526	326	522	589	523	733	521		
13	544	237	08	703	364	03	896	511	153	545	336	561	594	565	736	550	919	559
14	547	220	06	706	363	01	900	506	163	521	349	539	608	566	749	571		
15	544	217	09	705	335	04	900	504	162	493	350	519	611	555	753	563		
16	539	256	06	696	389	02	887	562	146	493	335	485	599	521	743	514	928	549
17	543	250	07	701	371	02	894	513	151	550	337	510	600	520	744	538	929	530
18	551	205	08	712	344	03	907	498	160	643	340	573	598	552	740	561		
19	555	206	12	717	318	05	914	475	170	648	347	597	601	596	741	583		
20	547	205	05	708	308	03	905	476	160	632	340	571	596	570	737	581	919	565
21	542	221		702	350		898	480	153	604	334	576	590	583	730	590	911	587
22	552	192	08	715	298	03	912	480	167	700	342	639	594	598	733	607	913	613
23	536	203	07	698	309	04	896	471	153	570	337	560	594	565	735	577	916	587
24	514	318	04	668	449		858	452	129	464	319	485	583	505	728	538		
25	527	282	05	682	412		871	560	129	513	317	504	580	529				
26	515	295	03	672	385		863	515	130	482	319	507	582	527	726	534	910	557
27	543	235	05	703	330	03	898	496	153	608	336	535						
28	544	218	08	704	338	03	899	507	156	559	340	533	598	559				
29	545	238		704	370		896	536	151	554	336	535	596	549	739	540		
30	526	269		683	382		875	495	141	505	327	513						

Results of Radiosonde Observations,
MACQUARIE – May, 1961

DAY	SURFACE			1000 MB.	900 MILLIBARS			850 MILLIBARS			800 MILLIBARS			700 MILLIBARS			600 MILLIBARS		
	PRESSURE	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO
	mb	°C × 10⁻¹	dg/kg	gpDm	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	−°C × 10⁻¹	dg/kg
01	990	070	60	508	079	023	47	124	5023	34	173	5034	18	277	5105	09	394	171	
02	998	041	36	501	084	5034	26	129	5075	20	176	5096	12	278	5159	08	392	243	06
03	999	058	47	500	085	5016	33	130	5038	31	178	5067	26	281	5123	17	397	219	08
04	013	031	33	011	095	5051	24	140	5087	21	187	5055	23	291	5097		409	170	08
05	013	042	41	011	096	024	46	142	5010	42	190	5034	36	295	5061	31	415	120	10
06	021	033	27	017	101	5060	22	146	5028	09	194	5029		299	5060		418	142	
07	007	056	49	006	092	5007	32	138	017		186	5019		292	5068	20	410	147	
08	002	039	34	002	087	5044	25	131	5080	20	178	5107	11	280	5169		395	196	09
09	016	029	29	013	097	5067	20	142	5104	19	189	5075		293	5100	12	411	144	11
10	014	053	50	012	097	014	28	143	025	11	192	5007		297	5084		416	133	
11	016	041	40	014	098	5007	26	144	025	33	193	5004	36	299	5067	24	417	136	11
12	021	046	47	018	103	023	42	149	021	32	198	012	14	304	5062		422	148	
13	019	050	51	016	101	012	37	147	5013	31	195	5015	11	301	5063	07	420	128	
14	008	055	51	007	092	5004	38	138	010	32	187	001		293	5053		411	146	
15	987	063	59	510	076	022	48	122	5009	40	170	5033	32	275	5085	19	393	160	10
16	977	061	44	519	067	000	30	112	5040	24	160	5077	16	262	5140		378	222	03
17	985	046	34	512	073	5029	26	118	5069	21	165	5113	16	266	5176	05	380	272	02
18	990	041	37	508	078	5023	28	123	5058	26	170	5093	21	272	5145	14	387	220	09
19	990	044	48	507	078	5025	30	123	5047	27	170	5077	23	273	5111	09	390	175	
20	990	024	38	508	077	5037	24	122	5070	19	169	5098	13	270	5173	05	384	261	03
21	010	050	48	009	094	5015	33	139	5042	29	187	5037	10	292	5078	10	411	144	
22	008	035	41	007	091	5050	23	136	005		185	5022	13	290	5089		407	154	
23	992	059	47	505	080	5015	34	125	5046	31	172	5090	20	275	5143	13	390	224	04
24	988	021	37	509	075	5041	22	120	5076	13	167	5110	13	268	5181	05	381	269	
25	000	033	29	501	085	5047	22	130	5086	18	177	5120	15	279	5147		392	196	08
26	974	044	39	521	064	5020	27	109	5051	24	157	5076	19	260	5145	10	375	231	
27	003	019	32	003	087	5064	18	131	5093	15	178	5128	12	279	5190		393	222	
28	982	055	52	515	071	006	42	117	5020	36	165	5049	31	269	5120	17	385	208	07
29	009	003	23	008	091	5080	17	135	5116	16	182	5131	11	284	5138	07	400	193	04
30	997	044	39	501	083	5027	29	128	5057	23	176	5090	16	277	5164	05	391	257	
31	002	033	33	002	087	5043	25	131	5084	21	179	5084	08	281	5155	06	395	225	

DAY	500 MILLIBARS			400 MILLIBARS			300 MILLIBARS		200 MILLIBARS		150 MILLIBARS		100 MILLIBARS		80 MILLIBARS		60 MILLIBARS	
	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE
	gpDm	−°C × 10⁻¹	dg/kg	gpDm	−°C × 10⁻¹	dg/kg	gpDm	−°C × 10⁻¹	gpDm	−°C × 10⁻¹	gpDm	−°C × 10⁻¹	gpDm	−°C × 10⁻¹	gpDm	−°C × 10⁻¹	gpDm	−°C × 10⁻¹
01	529	249		687	365	01	880	540	138	545	324	509	586	541	730	527		
02	523	330		677	420		867	509	131	501								
03	529	314	03	683	425		872	553	131	519	318	532	579	528	723	532		
04	543	233	05	703	358		896	523	151	609								
05	552	215	05	713	325		908	492	163	664	340	599	594	579	735	554		
06	553	249		711	372		903	543	155	641	335	564	592	563				
07	546	247		704	381		895	533	148	622	328	584	587	532	731	542	915	559
08	528	277	06	684	415	02	874	549	136	511	323	510	585	538	728	554		
09	546	245	05	705	362	01	898	539	149	585	332	560	591	570	731	609	912	584
10	552	224		713	328		908	503	159	724	335	580	592	583	732	592		
11	553	236	07	712	351	03	906	519	156	694	333	584	592	555	736	567	918	587
12	558	243		717	358	02	911	514	162	688	338	599	593	573				
13	557	231		716	359	01	910	511	162	709	335	629	587	596	728	581		
14	547	244		706	364		898	531	149	661	327	592	583	565	724	571	907	571
15	528	264	04	685	390	01	876	541	130	586	313	557	570	564	711	575		
16	509	334	03	665	362		860	467										
17	508	380	01	658	485		843	561	105	513	287	508	555	541	698	544	883	539
18	519	311	04	673	428		862	562	119	556	303	552	561	549	704	558		
19	523	301		679	396		870	538	127	540								
20	513	364	01	665	458		854	517	121	478	311	481	576	512	720	532	904	554
21	546	249		704	385	01	894	558	143	637	323	563						
22	543	234	03	702	370		894	547	144	617	323	601	578	571	720	555		
23	523	266		680	394		871	550	125	599	307	555	565	561	706	567	888	585
24	510	393		660	476		846	538										
25	527	281	06	684	372	02	876	541	127	636	307	589	560	604	699	593		
26	506	330		659	436		849	487	113	532	297	576	553	591	693	592		
27	525	276		682	383		875	529	131	576	314	572	569	602	707	605		
28	517	312	04	670	455		860	507	124	510	311	538	570	564	700	590	689	621
29	533	294		688	404		878	553	131	570	315	541	576	527	716	533	900	577
30	521	365		672	453		859	553	118	541	303	539	562	559	703	576		
31	527	320		680	438		868	571	122	575	305	575	559	601	699	601		

Results of Radiosonde Observations,
MACQUARIE — Jun., 1961

DAY	SURFACE			1000 MB.	900 MILLIBARS			850 MILLIBARS			800 MILLIBARS			700 MILLIBARS			600 MILLIBARS		
	PRESSURE	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO
	mb	°C × 10⁻¹	dg/kg	gpDm	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	−°C × 10⁻¹	dg/kg
01	990	050	49	507	077	5017	29	123	5021	10	171	5048	17	274	5127	13	391	169	
02	008	005	22	007	090	5078	17	134	5120	16	181	5114	07	283	5151	05	398	230	
03	014	042	41	012	096	5035	29	141	5043	25	189	5060		292	5124	08	408	213	
04	023	019	32	019	102	5072	22	146	5101	19	193	5090	21	296	5097	15	416	158	
05	019	013	33	016	100	5034	23	145	5074	18	192	5081	15	295	5112	10	412	172	07
06	012	005	26	010	094	5024		139	5055		186	5097		288	5125		405	191	05
07	005	010	31	005	089	5011		134	5033		182	5054		286	5126		401	191	04
08	003	033	42	003	088	046	23	135	015	24	183	5017	16	288	5095	12	405	167	08
09	009	049	49	008	094	017	43	140	000	41	188	5026	38	293	5100	19	411	160	13
10	004	045	50	004	089	021	37	135	004	20	184	5025	15	288	5066		408	152	
11	002	058	55	002	089	074	70	136	045	57	185	014	45	292	5027	17	412	117	10
12	999	059	59	500	086	012	39	132	5008	39	180	5025	33	285	5061	19	405	112	12
13	992	047	50	506	079	001	40	125	001	45	174	5017	39	279	5067	25	399	092	21
14	988	051	53	509	077	018	47	123	5010	41	171	5039	35	275	5118	18	391	198	09
15	994	015	33	504	080	5049	25	125	5077	18	172	5011	08	272	5203	05	386	244	
16	966	066	56	528	058	052	56	105	029	49	154	5005	41	259	5140	30	379	138	15
17	965	040	42	528	057	5003	31	102	5040	27	150	5058	13	253	5062	08	368	219	08
18	980	025	45	516	059	5010	39	115	5027	36	163	5040	35	267	5090	24	385	170	12
19	002	010	38	002	086	5072	21	131	5036	12	179	5039	12	283	5093	10	400	183	06
20	998	008	33	501	083	5040	28	128	5066	25	175	5087	23	278	5122	19	394	206	09
21	013	006	29	010	094	5071	19	138	5115	14	184	5143	11	285	5176	04	399	221	03
22	006	031	43	006	090	5022	33	135	5041	30	183	5055	29	287	5090	25	405	166	14
23	999	042	51	500	085	001	40	131	5016	33	179	5039	21	284	5070		401	167	
24	972	020	38	522	063	5025	31	108	5055	26	155	5087	21	257	5150	14	373	211	09
25	976	010	30	519	065	5053	22	109	5091	18	156	5108	09	258	5161		372	241	03
26	983	010	27	513	071	5053	18	116	5093	14	162	5124	08	262	5205		374	308	03
27	993	5009	27	505	078	5074	17	123	5105	14	169	5141	11	269	5223	03	381	288	
28	995	5016	25	503	080	5080	17	124	5112	17	170	5148	11	270	5205	05	383	280	
29	008	5006	25	007	090	5096	16	134	5126	15	180	5143	14	280	5185	06	394	240	
30	018	024	38	015	099	5020	32	145	5038	22	193	5009		298	5082		415	182	

DAY	500 MILLIBARS			400 MILLIBARS			300 MILLIBARS		200 MILLIBARS		150 MILLIBARS		100 MILLIBARS		80 MILLIBARS		60 MILLIBARS	
	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE
	gpDm	−°C × 10⁻¹	dg/kg	gpDm	−°C × 10⁻¹	dg/kg	gpDm	−°C × 10⁻¹	gpDm	−°C × 10⁻¹	gpDm	−°C × 10⁻¹	gpDm	−°C × 10⁻¹	gpDm	−°C × 10⁻¹	gpDm	−°C × 10⁻¹
01	525	262	03	682	383	02	874	534	126	650	304	601						
02	528	342		681	444		869	558	127	544	310	559	567	577	708	593		
03	540	294		696	402		886	541	138	642	318	580	574	567	715	580	895	603
04	548	260	03	705	395	01	895	553	145	640	322	630	577	581				
05	547	260	04	704	365	02	898	509	150	699	324	613	577	593	717	582		
06	538	279		696	357		889	529	139	692	314	618						
07	534	299	04	690	406		879	560	128	674	305	618	558	618	695	623	872	644
08	540	275	04	696	417		884	567	133	647	312	574						
09	546	257	06	703	395	02	893	559	139	735	310	658	558	649				
10	542	266		699	394		889	579	136	637	314	631	564	647				
11	550	201	08	711	323	03	907	499	160	702	332	642	584	606				
12	543	202	06	704	327	02	899	509	150	661	328	611						
13	538	175	10	701	299	04	899	478	151	739	321	647	571	610				
14	524	274	04	681	398	02	871	544	123	609	303	599	556	609				
15	516	334		669	435		858	549	116	558	299	572	555	574				
16	515	237	08	673	367	02	864	564	116	582	298	573	552	606				
17	500	322	03	653	446		842	513	108	485	298	474	564	517	708	533		
18	519	283	05	675	408	02	864	581	124	487	313	486	579	502	723	555		
19	534	285	02	690	415		879	535	135	556								
20	527	303	03	682	415		870	572	125	543	311	519	573	517	717	542		
21	532	291	04	687	413		876	581	125	583	309	552	569	541				
22	540	263	06	697	386	01	888	557										
23	536	262		693	404		882	579	132	622	313	571	572	545	714	561	896	580
24	504	315	04	658	455		843	566	102	525	288	525						
25	503	330	03	655	464		841	571	101	511	289	500	553	514	697	530	882	536
26	502	389		652	498		837	557	101	476	292	475	561	476	708	471		
27	509	377		659	471		846	530	112	464	303	457	570	482	716	519		
28	512	356		663	473		851	526	118	458	309	460	576	485	722	492		
29	525	324		679	450		864	587	120	527	308	491	573	516	718	522	905	524
30	550	272		706	404		894	571	138	717	315	606	573	526				

Results of Radiosonde Observations,
MACQUARIE – Jul., 1961

DAY	SURFACE			1000 MB.	900 MILLIBARS			850 MILLIBARS			800 MILLIBARS			700 MILLIBARS			600 MILLIBARS		
	PRESSURE	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO
	mb	°C ×10⁻¹	dg/kg	gpDm	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	dg/kg	gpDm	−°C ×10⁻¹	dg/kg
01	024	022	34	020	104	5003	24	149	5003		198	5022		302	5065		421	159	
02	014	038	42	012	097	5037	27	142	5006	28	190	5022	12	294	5098		412	170	
03	005	011	31	005	088	5023	07	134	5032		181	5053		286	5070	08	405	145	08
04	998	5015	21	501	082	5090	17	126	5081	13	173	5073		278	5096		395	181	
05	992	5034	18	506	077	5107	12	120	5150	09	166	5190	07	264	5217	06	376	281	
06	986	5015	24	510	073	5082	17	117	5110	12	163	5146	10	263	5201	09	376	280	05
07	985	007	28	512	072	5057	23	117	5095	20	163	5125	17	265	5183	11	378	269	06
08	995	5022	22	503	080	5090	15	123	5127	12	170	5116	06	271	5168		386	228	
09	995	017	39	503	081	5059	25	125	5058	18	173	5060	11	276	5132	11	391	223	09
10	000	020	36	001	085	5039	25	130	5074	22	177	5083	23	280	5097		398	188	06
11	998	036	46	501	084	5006	40	130	5035	34	177	5064	30	281	5127	17	397	199	09
12	003	022	40	003	087	5028	26	133	5007	11	181	5024		286	5080		404	174	05
13	986	048	52	511	075	017	44	121	5014	38	169	5045	32	273	5125	17	390	169	12
14	006	5008	21	005	088	5087	15	132	5129	13	178	5133	12	279	5173		393	263	
15	018	034	41	015	099	5021	34	145	5053	28	192	5057	29	297	5066	11	415	150	
16	020	017	25	017	100	5082	17	144	5105	16	191	5100	07	294	5122	07	411	167	05
17	021	031	37	017	102	5007	30	147	5007	32	195	5053	23	299	5093	15	417	166	04
18	020	036	49	017	102	022	36	148	5013	22	196	5051	14	299	5114	06	416	185	
19	016	016	32	013	097	5074	21	141	5054	08	189	5047		293	5085	12	412	157	09
20	000	044	47	001	086	5011	34	131	5022	33	179	5038	28	284	5109	19	401	185	12
21	007	011	20	006	089	5075	14	134	5115	14	180	5155	10	279	5197		393	243	
22	020	047	41	017	101	5025	31	146	5050	28	194	5037	14	299	5089	14	416	182	12
23	027	049	46	022	107	007	38	153	014		202	000		308	5065		426	149	
24	021	047	44	017	102	5020	29	148	5016		196	5034		300	5084		418	167	05
25	024	018	32	020	103	5003	16	149	5033		197	5029	09	301	5098	07	418	183	05
26	019	023	37	016	101	008	18	147	5016	23	195	5037	19	299	5100	11	416	174	
27	004	030	40	004	089	004	24	135	5011	14	183	5024	12	288	5077		407	117	
28	982	022	42	514	071	026	46	117	003	42	166	5022	37	271	5080	26	389	159	14
29	987	010	15	510	074	5052	24	119	5040	25	167	5060	22	270	5122	14	387	193	09
30	986	010	30	511	073	5057	19	118	5093	18	164	5129	13	265	5177	03	379	263	02
31	985	034	35	512	073	5037	26	117	5054	13	165	5078	06	267	5145	04	383	228	05

DAY	500 MILLIBARS			400 MILLIBARS			300 MILLIBARS		200 MILLIBARS		150 MILLIBARS		100 MILLIBARS		80 MILLIBARS		60 MILLIBARS	
	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE
	gpDm	−°C ×10⁻¹	dg/kg	gpDm	−°C ×10⁻¹	dg/kg	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹
01	555	275		711	414		899	590	144	734	318	635	570	598				
02	546	276		702	390		894	536	144	719	320	637	576	568				
03	540	257	04	698	375		890	542	138	725	312	615	564	613	703	627		
04	529	280		685	399		877	529	127	689	302	620	553	632	690	617	868	626
05	506	344		660	411		850	524	109	528	295	529	554	573	694	592		
06	505	322		661	413		850	562	104	566	287	561	544	591	684	608		
07	508	338	02	661	452		846	591	096	626	273	618	524	646				
08	517	330		670	453		857	565	113	582	293	605	544	641	680	655		
09	523	292	05	679	402	02	869	563	118	625	297	607	549	632	686	656	860	665
10	531	292	04	686	416		874	567	128	563	312	554	568	597	708	588		
11	529	304	04	684	439		870	602	120	629	299	604	552	615	686	634		
12	537	280	04	694	398	02	883	578	127	712	301	641	550	649	687	641		
13	524	281	05	680	410		869	569	118	636	298	590	552	601	691	600		
14	522	362		673	467		861	551	119	565	301	568	559	570	699	590		
15	551	249		709	368	02	901	548	148	740	316	700						
16	545	266	03	702	397	01	892	560	140	660	317	618	569	654	705	647		
17	551	273	03	708	391		899	559	145	671	323	599	576	617	713	644		
18	550	284		706	406		896	550	143	714	318	632	566	652	702	654	877	656
19	547	253	06	704	385	01	895	571	139	714								
20	534	272	05	691	381	02	883	544	130	731	302	682	547	671	682	673		
21	524	310		679	435		867	547	122	581	302	606	553	637	690	657	864	669
22	551	259	07	709	378		900	552	148	690	321	624	570	637	707	651		
23	561	258	03	720	354		914	520	163	738	335	652	583	636	720	634	896	654
24	553	245	07	711	380	02	902	544	151	665	328	604	579	626				
25	551	290	04	708	391	02	899	559	145	743	316	668	562	665	698	639	873	655
26	550	285		705	420		894	564	143	694	315	729	554	708	686	724		
27	544	218		704	334		900	494	151	730	317	732	555	730	685	749	852	775
28	524	257	06	682	386	02	873	549	122	685	297	640						
29	520	284	05	676	407	02	865	584	114	632	293	597	545	622	683	647		
30	508	361		660	452		848	555	108	527	292	548	549	586	688	602		
31	514	309	02	669	424		857	587	109	582	292	561	549	568	690	570		

Results of Radiosonde Observations,
MACQUARIE – Aug., 1961

DAY	SURFACE			1000 MB.	900 MILLIBARS			850 MILLIBARS			800 MILLIBARS			700 MILLIBARS			600 MILLIBARS		
	PRESSURE	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO
	mb	°C × 10⁻¹	dg/kg	gpDm	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10-1	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	−°C ×10⁻¹	dg/kg
01	972	033	39	523	063	5020	27	108	5060	18	155	5092	07	257	5172	07	370	254	06
02	999	000	20	000	083	5080	16	127	5118	14	174	5149	13	273	5215	05	386	267	03
03	996	047	51	502	083	5010	38	128	5032	33	176	5043	23	279	5119	15	396	206	10
04	020	006	28	017	100	5014	16	145	5020		193	5034		298	5090		415	172	04
05	020	054	54	017	102	000	40	147	5032	30	195	5065	26	300	5094	12	417	170	
06	015	058	54	013	098	000	40	144	5032	32	191	5069	26	296	5084	08	413	176	10
07	009	056	53	008	093	5007	39	139	5039	31	186	5070	26	291	5074		409	150	
08	006	062	56	005	091	020	41	137	5018	34	185	5049	29	289	5119	18	407	156	
09	007	032	27	006	091	5050	20	135	5078	13	182	5072		285	5136	05	401	210	
10	005	048	51	005	090	5016	37	135	5042	32	183	5065	29	286	5121	18	402	209	09
11	018	045	45	015	100	5022	33	145	5024	33	193	5020		298	5085		416	180	04
12	018	056	52	015	101	000	40	147	022	34	195	003		301	5066		419	155	
13	023	042	38	019	104	008	14	150	5025		197	5035		302	5080	11	420	172	06
14	005	056	54	005	090	010	43	136	5005	41	184	5035	33	289	5097	22	406	190	10
15	005	043	47	005	090	002	39	136	002	41	184	5020	37	290	5093	20	406	176	10
16	021	038	38	017	103	038		149	006		197	5025		302	5080	11	420	152	07
17	020	056	50	017	103	036	51	149	012	42	198	012	29	304	5068	08	423	144	
18	014	058	54	012	098	022	46	144	5010	38	192	5035	33	297	5085	07	415	164	
19	009	057	51	008	094	019	45	140	5010	38	188	5042	32	292	5113	14	409	178	09
20	008	066	50	007	093	041	45	139	000	30	187	5035	29	293	5063	25	411	145	13
21	997	064	56	502	084	039	54	131	013	48	179	5034	36	289	5095	17	401	159	13
22	010	045	33	009	093	5048	22	138	5077	19	185	5100	12	286	5178	05	400	242	
23	010	033	40	009	093	5042	27	138	5064	22	185	5092	16	287	5130		403	210	
24	026	039	43	021	106	020	27	152	005	18	201	5035	26	305	5114	18	421	190	10
25	025	053	49	021	106	5006	36	151	5006	36	200	5031	27	305	5073		423	151	
26	011	058	47	009	095	5014	34	140	5035	30	188	5008		293	5075		412	149	
27	998	023	26	501	083	5060	20	127	5058	10	175	5061		278	5129		394	200	
28	994	018	33	004	080	5051	22	125	5087	18	171	5116	16	273	5154	06	388	215	
29	011	007	27	009	093	5079	19	137	5101	17	184	5097		287	5100	14	405	179	07
30	016	019	35	013	097	5040	28	143	5008	10	191	5027		295	5100	07	412	170	06
31	018	021	39	015	100	020	19	146	5009	22	194	5014	10	299	5096	09	416	179	04

DAY	500 MILLIBARS			400 MILLIBARS			300 MILLIBARS		200 MILLIBARS		150 MILLIBARS		100 MILLIBARS	80 MILLIBARS		60 MILLIBARS	
	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE
	gpDm	−°C ×10⁻¹	dg/kg	gpDm	−°C ×10⁻¹	dg/kg	gpDm	−°C ×10⁻¹	gpDm	−°C. ×10⁻¹	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹	−°C ×10⁻¹	gpDm	−°C ×10⁻¹
01	499	373	02	649	513		834	552	094	556	278	525	537	568	679	559	862	582
02	516	333	02	668	440		856	589	107	587	288	577						
03	528	314	04	681	452		866	612	114	651	289	650						
04	549	268	02	707	384		897	554	141	786	307	742	548	700	679	730	848	724
05	551	262	05	709	374	02	901	546	147	760	316	691	558	703	690	737		
06	547	275	06	703	399	02	893	553	145	629	321	631	568	681	701	696	873	717
07	544	256	03	702	396	02	893	530	143	674	319	628	568	641				
08	541	260		699	387	01	890	545	140	663	316	618	567	631	704	650		
09	533	308		687	420		876	563	131	580	313	578	566	599	706	600	884	622
10	534	318	04	687	458		876	530	133	567	315	569	571	576				
11	549	287	05	705	400	02	895	551	146	616	325	593	579	581				
12	554	258	04	712	383	02	903	544	153	676	328	602	581	596	721	594		
13	554	261	03	711	397		901	548	151	726	324	650	573	609	713	596	892	618
14	539	296	04	695	398	01	885	551	136	628	315	592	570	585	709	621		
15	540	276	04	697	417		884	585	129	724	302	662						
16	556	245		714	384		905	552										
17	558	248		716	388		907	558	153	738								
18	550	247	03	708	375	01	899	553	145	727								
19	543	250	06	702	377		893	551	139	761	309	695	551	695	684	716	853	737
20	547	233	08	707	357	03	899	538	148	718	317	685	561	696	693	718	862	740
21	537	254	06	694	388	01	885	544										
22	532	301		687	404		877	557	130	600	309	610	560	625	697	647		
23	535	313		689	430		877	573	129	632	305	626	555	636	691	666		
24	554	283	05	711	400	01	901	532	150	711	323	657	570	645	707	648	881	674
25	557	275		714	405		904	556	153	685	328	618						
26	547	259	03	705	372		896	542	144	734	313	706	556	664	690	684		
27	527	292		682	417		870	567	120	648	295	646	541	675	676	679		
28	520	306		675	435		863	555	119	572	301	591	552	638	689	658		
29	537	287	04	694	409	01	883	574	134	615	313	611	565	619	703	623	880	635
30	547	261	03	706	369		897	550	145	727	319	634	569	627	706	621		
31	550	255		708	382		899	547	147	712	321	634	573	599	713	581		

Results of Radiosonde Observations,
MACQUARIE – Sep., 1961

DAY	SURFACE			1000 MB.	900 MILLIBARS			850 MILLIBARS			800 MILLIBARS			700 MILLIBARS			600 MILLIBARS		
	PRESSURE	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO
	mb	°C × 10⁻¹	dg/kg	gpDm	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10-1	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	−°C × 10⁻¹	dg/kg
01	019	027	35	016	100	013	18	146	5011	11	194	5040	09	298	5100	07	415	189	05
02	023	029	26	019	103	005	21	148	5010	11	197	5030	05	301	5102	06	418	190	04
03	017	055	48	014	099	5016	34	145	000	35	193	5001	18	298	5089	15	416	177	11
04	001	055	56	001	088	039	53	134	010	44	183	5008	41	289	5074	24	407	160	13
05	000	061	56	001	087	037	51	133	018	48	182	5023	36	287	5078	23	405	156	10
06	007	055	46	006	091	5014	29	136	5043	24	183	5075	18	286	5148	07	401	238	04
07	027	061	42	023	108	5008	30	154	5040	27	202	5024	12	307	5178		425	147	05
08	023	043	37	019	103	5055	24	147	5095	19	194	5108	15	295	5174		409	245	
09	026	046	40	021	106	014		152	5004		200	5025		305	5065	09	424	142	09
10	022	056	50	018	104	033	39	150	040	22	199	004	15	305	5036		425	110	
11	010	066	53	009	094	005	40	140	5005	17	189	025		295	5043		416	106	
12	002	045	48	002	087	5031	33	132	5070	24	179	5097	18	281	5169	09	395	235	
13	995	5016	26	503	080	5089	14	124	5123	11	170	5159	09	269	5243	05	380	261	03
14	998	5025	19	501	081	5095	13	125	5133	07	171	5170	08	270	5237	03	382	276	
15	010	5019	23	009	091	5096	12	135	5135	12	181	5172	09	281	5164		396	230	05
16	006	044	47	005	090	5020	35	136	5034	33	183	5063	29	287	5116	20	404	190	10
17	010	048	47	009	094	014	42	140	5020	34	188	5041	30	292	5088	16	411	152	06
18	998	060	49	501	084	012	41	130	5003	33	179	5040	29	283	5094	20	400	187	09
19	975	062	60	520	066	026	51	112	000	45	161	5026	38	265	5088	25	384	142	16
20	965	034	29	528	057	5030	22	102	5069	19	149	5106	16	250	5183	08	363	268	04
21	983	5015	23	513	070	5086	14	114	5121	11	160	5160	10	260	5226	06	371	306	03
22	988	030	36	509	075	5044	24	120	5080	18	167	5112	15	268	5197	07	381	283	05
23	006	016	27	005	089	5070	20	133	5106	17	179	5144	14	280	5168	05	395	220	03
24	979	058	51	517	069	032	48	115	003	42	164	5025	35	269	5099	21	387	164	12
25	983	031	39	513	072	5026	27	117	5063	22	164	5094	19	266	5166	12	380	257	06
26	994	049	52	504	081	005	44	127	5018	38	175	5041	35	279	5102	21	396	173	12
27	984	057	56	513	073	019	47	119	5004	42	167	5030	35	272	5088	24	390	151	13
28	007	020	31	006	090	5068	19	134	5101	18	181	5140	14	281	5200	09	395	213	05
29	002	056	47	002	088	003	36	133	5036	29	181	5047	29	285	5115	14	402	176	
30	988	046	44	509	076	5023	30	121	5033	27	169	5046	10	273	5088	09	391	147	

DAY	500 MILLIBARS			400 MILLIBARS			300 MILLIBARS		200 MILLIBARS		150 MILLIBARS		100 MILLIBARS		80 MILLIBARS		60 MILLIBARS	
	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE
	gpDm	−°C ×10⁻¹	dg/kg	gpDm	−°C ×10⁻¹	dg/kg	gpDm	−°C ×10⁻¹	gpDm	−°C × 10⁻¹	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹	gpDm	−°C.×10⁻¹
01	548	297	03	703	415		891	581	139	652	316	628	567	622				
02	551	277		707	400		897	568	145	666	322	615	574	609	712	628	889	636
03	550	276	06	707	384	02	899	536	149	680	325	616	575	624	711	650	887	631
04	542	257	06	700	391	01	889	576	137	674	313	614	565	626	702	626		
05	540	256	05	698	387	01	888	558	141	591	323	574	579	594				
06	531	353	01	684	422		874	512	137	519	324	529	582	578				
07	561	249		719	372	02	911	530	162	659	339	617	589	632	727	634	905	626
08	540	305		697	365		889	536	145	585	327	581	582	581	722	595		
09	559	234	06	718	359	02	912	524	162	725	329	740	568	720	700	705		
10	563	214		724	330		918	502	171	705	338	750	578	687	712	684		
11	553	215		714	336		909	493	165	661	340	640	589	545				
12	528	251		686	361		879	528	136	556	320	556	577	595	716	624	894	630
13	511	303	02	667	402	01	857	536	115	564	299	558	554	586	694	610		
14	511	348		665	430		853	546	109	552	293	555	550	582	689	609		
15	527	314	02	681	438		868	583	125	546	309	564	566	568	707	577		
16	537	276	02	693	407		882	571	136	550								
17	546	253		703	391		893	564	142	617	323	559	581	584	721	586	901	608
18	534	235		693	365		885	553	138	572	322	510	583	541	726	547		
19	520	231	08	679	358	03	872	511	125	636	306	543	569	497	715	489	905	477
20	492	382	01	642	493		826	569	084	564	268	526	533	465	682	453		
21	498	401	01	647	488		830	630	081	620	259	590	516	547	660	500	850	451
22	508	397	02	657	510		840	603	091	617	270	594	525	549	669	518	856	503
23	528	266	03	686	363	02	879	531	131	609	312	569	569	568	710	580		
24	521	238	07	681	349	03	874	530	132	541	318	524	579	531				
25	509	348	03	663	413		855	482	123	475	313	488	577	523	720	549		
26	531	267	05	688	384	01	878	554	131	587	314	560	573	548	715	549	900	521
27	526	239	07	685	364	02	877	531	134	528	320	532	576	558	717	578		
28	528	310	02	682	432		871	556	127	555	310	551	570	547	712	558	895	552
29	535	287	05	692	391	02	882	556	132	664	306	670						
30	528	219	07	688	340	01	882	512	137	593	317	609	568	642	703	661		

Results of Radiosonde Observations,
MACQUARIE – Oct., 1961

DAY	SURFACE			1000 MB.	900 MILLIBARS			850 MILLIBARS			800 MILLIBARS			700 MILLIBARS			600 MILLIBARS		
	PRESSURE	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO
	mb	°C × 10⁻¹	dg/kg	gpDm	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	−°C × 10⁻¹	dg/kg
01	980	052	51	516	070	011	43	116	5014	39	154	5040	34	268	5101	23	386	144	
02	990	055	45	508	077	5015	27	123	5048	21	171	5063		273	5147	05	388	241	05
03	995	050	44	503	082	5019	30	127	5060	23	174	5086	19	276	5148	13	391	218	
04	978	050	53	517	068	010	45	114	5015	40	162	5048	32	266	5116	18	382	201	09
05	009	017	32	008	092	5064	17	136	5097	16	133	5136	14	283	5206	07	395	295	03
06	009	056	47	008	094	012	46	140	5010	40	188	5036	34	293	5072	29	412	151	16
07	010	046	41	009	094	5039	28	139	5020	17	187	5053	09	291	5108		408	180	
08	996	052	50	503	083	011	43	129	5005	39	177	5028	35	282	5090	22	400	153	14
09	003	020	29	003	087	5071	17	131	5109	14	177	5140	13	278	5150		394	202	03
10	010	045	40	009	093	5037	29	139	5015	10	187	5040	11	291	5087	07	410	136	06
11	003	060	58	003	090	081	76	137	045	62	186	009	48	292	5024	12	413	091	
12	003	059	55	003	089	050	55	136	039	46	185	019	38	292	5046	18	412	102	
13	986	061	54	511	075	033	54	121	005	46	170	5015	43	275	5071	29	394	126	18
14	982	046	40	515	071	5019	29	116	5055	25	163	5093	21	265	5160	10	380	248	04
15	986	045	34	511	074	5033	26	119	5074	23	166	5087	18	268	5143		383	220	03
16	993	063	57	505	081	038	53	127	014	43	176	5013	34	281	5079	24	400	136	
17	005	047	43	005	089	5023	23	135	5034	15	182	5057	19	286	5120	19	403	171	15
18	004	054	48	004	089	015	22	135	5015	14	183	5034	08	287	5100	09	404	195	07
19	008	040	31	007	091	5047	22	136	5024	10	184	5046		288	5117	05	405	167	11
20	002	027	37	002	087	5002	38	133	5005	39	181	5008	20	287	5031	40	408	100	27
21	999	043	43	000	085	5024	31	130	5010	21	179	5045	08	283	5089	12	401	144	13
22	002	062	52	002	088	5004	35	134	5019	22	181	5058	20	285	5103		402	177	
23	991	070	54	507	080	035	45	126	002	36	174	5025	27	279	5072	08	398	144	15
24	993	060	49	505	081	000	34	126	5026	20	174	5058	15	277	5130	10	393	214	08
25	005	054	36	005	089	5034	22	134	5078	20	182	5035	15	287	5061	20	406	115	12
26	011	047	24	009	093	5048	23	138	5070	13	185	5091		288	5106	17	406	173	11
27	986	043	46	511	074	5003	39	120	5027	33	168	5053	28	272	5116	18	388	203	09
28	983	026	32	513	071	5041	22	116	5080	14	163	5118	12	264	5190	04	376	284	
29	984	019	40	513	072	5037	30	117	5069	24	164	5098	20	266	5174	11	379	269	05
30	995	017	30	503	081	5065	20	125	5105	16	171	5135	15	272	5212	08	384	285	02
31	011	067	49	010	095	5014	33	140	5040	30	188	5037		292	5088	10	410	166	13

DAY	500 MILLIBARS			400 MILLIBARS			300 MILLIBARS		200 MILLIBARS		150 MILLIBARS		100 MILLIBARS		80 MILLIBARS		60 MILLIBARS	
	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE
	gpDm	−°C × 10⁻¹	dg/kg	gpDm	−°C × 10⁻¹	dg/kg	gpDm	−°C × 10⁻¹	gpDm	−°C × 10⁻¹	gpDm	−°C × 10⁻¹	gpDm	−°C × 10⁻¹	gpDm	−°C × 10⁻¹	gpDm	−°C × 10⁻¹
01	521	246		680	348		874	521	128	581	309	577	565	573				
02	518	352	01	669	484		854	582	110	577	292	557	550	570	691	572	874	555
03	524	270		682	384		873	542	126	607	306	605	558	637	694	645		
04	515	307	04	668	452		855	552	114	556	297	560	526	538				
05	524	334		681	382		873	518	130	587								
06	547	243	06	706	352	03	900	511	153	657	330	636	578	649	715	630		
07	542	259		700	365	03	892	526	145	656	321	637	573	602	711	621	890	587
08	535	260	06	693	389	02	883	561	138	569	320	573	576	573	716	575		
09	527	276		683	410		871	582	120	602	302	570	558	557	700	560		
10	546	222		706	355	02	900	507	151	717	324	644	573	625	711	608	889	620
11	552	190		714	322		910	486	163	697	337	637	586	639	723	625		
12	550	211	04	711	331		905	526	159	616	338	602	592	608	731	600		
13	531	232	07	691	337	03	885	514	143	566	327	567						
14	509	368	02	661	414		854	473	122	473	311	503	573	539	717	542		
15	516	301		672	380		865	494	134	453	325	458	594	495	739	498	927	505
16	536	233		694	361		887	526	146	522	333	509	596	511	742	495		
17	537	250	08	696	358	03	888	529	145	552	329	519	592	500	738	480		
18	538	247	08	697	364	03	890	538	143	623	322	594	580	518	727	457		
19	539	251	03	698	324		895	480	155	569	337	574	596	547	740	510	928	499
20	546	224	10	706	345	03	900	491	157	588	337	591	592	591				
21	537	242	08	695	368	03	887	536	149	510	334	512	594	554	737	523		
22	536	266		693	388		884	558	141	534								
23	534	234	09	694	343	04	888	520	141	592	324	550	584	528	729	516		
24	526	280	06	683	400	02	873	540	135	505	324	494	591	487	738	478	928	458
25	544	205	06	705	321	02	902	488	160	565	345	519	609	518	754	525		
26	540	261	06	699	366	02	891	538	152	513	339	516	601	521				
27	520	296	04	676	413		866	512	132	467	323	469						
28	505	382	01	655	466		843	534	106	474	296	479	564	462	711	480	902	469
29	508	342	02	663	420		851	571	104	580	287	565	545	531	690	512		
30	513	356		665	435		854	532	115	517	302	517	565	523	710	518		
31	545	253	05	704	350	03	898	498	153	651	331	602	588	556	731	528		

Results of Radiosonde Observations,
MACQUARIE – Nov., 1961

DAY	SURFACE			1000 MB.	900 MILLIBARS			850 MILLIBARS			800 MILLIBARS			700 MILLIBARS			600 MILLIBARS		
	PRESSURE	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO
	mb	°C ×10⁻¹	dg/kg	gpDm	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	dg/kg
01	010	068	54	009	095	025	41	141	5004	30	190	5004	31	295	5066	22	415	095	25
02	007	054	49	007	092	023	29	138	001	34	186	5020	15	291	5048		411	122	
03	997	056	51	502	084	016	44	130	003	42	179	5028	35	283	5054	11	402	167	06
04	006	055	38	005	090	5030	24	135	5052	18	183	5050	14	287	5116	12	403	200	05
05	991	062	57	507	079	024	49	125	004	43	174	5028	38	279	5060	17	398	130	
06	973	055	46	522	064	000	35	109	5035	29	157	5061	21	260	5134	11	375	219	08
07	981	045	30	515	070	5030	24	115	5075	19	162	5113	18	263	5164	06	377	251	03
08	983	060	43	514	072	5015	33	117	5033	28	165	5059	15	268	5131	06	383	228	05
09	977	058	48	518	067	005	34	113	5032	23	161	5060	19	264	5131	09	379	233	05
10	993	034	30	504	081	5055	19	125	5095	16	172	5108	07	273	5171	04	388	218	
11	989	025	32	509	076	5045	23	121	5079	16	168	5106	13	269	5180	08	383	248	02
12	981	040	36	515	070	5021	29	115	5054	26	162	5085	20	264	5160	12	379	250	06
13	982	055	47	515	071	000	38	117	5028	33	165	5055	30	268	5110	21	385	192	11
14	988	032	27	509	075	5055	21	119	5088	19	166	5132	13	266	5229	03	377	317	
15	973	032	32	521	063	5030	25	109	5067	23	156	5110	17	257	5174	08	371	246	04
16	986	019	23	511	073	5058	18	118	5098	14	164	5140	12	265	5191	07	378	267	04
17	009	021	31	008	091	5060	20	136	5095	15	183	5132	14	283	5135	05	401	167	
18	018	070	50	015	101	023	43	147	006	41	196	020	43	302	5040	22	422	119	09
19	025	059	50	021	106	041	50	153	050	46	202	037	19	309	5026	25	430	095	14
20	024	054	47	020	106	009	38	151	5010	35	200	015		307	5038		427	094	
21	011	065	53	010	096	027	47	143	075	21	192	061		300	5017	16	421	107	20
22	001	065	46	001	087	5004	33	132	011	30	182	004		288	5035	12	408	104	
23	000	071	52	001	087	028	39	133	5007	33	181	5024	28	287	5081	20	405	155	05
24	006	035	29	005	090	5055	22	134	5086	21	181	5084	18	285	5077	10	404	127	07
25	010	051	30	009	093	5053	19	137	5095	16	184	5095	06	287	5120		404	158	
26	020	061	30	017	101	5050	22	147	5008	20	195	5030	20	300	5072	14	419	123	12
27	005	046	42	005	089	5023	33	134	5047	29	182	5070	24	285	5127	17	402	204	06
28	016	056	40	014	099	5023	27	144	5042	21	191	5064	16	295	5112	17	413	136	16
29	012	066	50	013	096	013	39	142	5016	37	190	5041	32	294	5097	23	412	144	13
30	008	057	51	007	093	010	39	138	5015	34	187	5037	31	291	5083	19	409	164	06

DAY	500 MILLIBARS			400 MILLIBARS			300 MILLIBARS		200 MILLIBARS		150 MILLIBARS		100 MILLIBARS		80 MILLIBARS		60 MILLIBARS	
	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE
	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	gpDm	°C ×10⁻¹	gpDm	°C ×10⁻¹	gpDm	°C ×10⁻¹	gpDm	°C ×10⁻¹	gpDm	°C ×10⁻¹
01	553	181	14	717	293	07	916	443	174	662	348	621	596	622	735	592		
02	548	205	06	709	333	04	906	471	162	598	344	569	601	566	743	556	928	521
03	536	238	07	696	376	02	888	505	150	508	337	526	600	516	744	510		
04	535	308	03	690	407	02	880	536	145	479	334	493	600	494	746	499		
05	534	240		693	376		884	536	146	496	334	528	597	516	742	505		
06	507	334	03	659	417		852	474	122	444	314	456	582	485	729	469	918	498
07	508	337		660	467		846	557	107	500	297	437	570	441	720	445	912	452
08	515	325	02	669	410		859	554	114	561	298	521	564	460	713	453	905	456
09	511	328	02	664	440		851	576	105	600	287	563	548	505	695	450		
10	521	283	02	677	403	01	867	536	129	513	315	537	575	550	717	536		
11	513	327	02	666	454		855	501	119	496								
12	508	360	02	659	503		847	511	107	550	293	511	562	420	714	412		
13	519	268	06	677	380	01	868	542	121	625	301	566	560	497	708	437		
14	504	376		656	442													
15	501	349	02	653	482		842	492	111	443	303	466	569	512				
16	508	318	02	662	423		851	532	117	484	306	476	573	500	719	501	907	500
17	535	245		694	360		887	523	142	547	325	575	584	530	727	544	913	518
18	560	205	04	721	316		919	466	175	657	350	618						
19	568	200	08	730	315	04	927	473	184	634	361	607	616	544	758	576		
20	565	200	08	727	306	05	924	476	179	674	356	606	609	593	750	574	933	561
21	559	147		724	276		923	456	182	602	363	574	617	594	757	585	939	562
22	545	207	07	706	337	02	900	504	163	522	348	530	609	548	752	533	938	537
23	540	245	03	699	332		895	485	158	518	345	516	607	515	752	524		
24	540	236		700	338		895	512	154	521	341	519	605	513	749	518	936	511
25	540	233	05	700	343	02	894	510	155	529	341	521	602	521	747	525	933	517
26	556	207		717	330	03	912	489	167	605	350	561	606	571	747	554	931	545
27	534	271	06	691	380	02	885	471	151	497	339	504	602	517	747	518		
28	551	195	05	714	312	03	911	478	165	684	342	599	597	568	740	544		
29	548	226	08	708	353	03	902	506	155	617	337	568	596	533	740	518		
30	544	258		702	386		893	544	148	596	329	532	589	544	734	508	920	523

Results of Radiosonde Observations,
MACQUARIE – Dec., 1961

DAY	SURFACE			1000 MB.	900 MILLIBARS			850 MILLIBARS			800 MILLIBARS			700 MILLIBARS			600 MILLIBARS		
	PRESSURE	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO
	mb	°C × 10⁻¹	dg/kg	gpDm	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	−°C × 10⁻¹	dg/kg
01	994	079	52	505	081	001	34	127	5015	32	175	5024	22	280	5079		399	144	
02	004	077	54	004	090	016	37	134	5030	31	184	5009	18	290	5051		410	126	
03	000	066	49	001	086	5008	29	132	5043	21	179	5079	20	282	5118	18	393	166	13
04	007	062	45	006	092	5022	28	137	5056	16	181	5067	13	288	5109		406	134	16
05	990	070	79	508	078	019	44	124	5014	37	172	5044	26	279	5035		399	100	14
06	987	080	61	510	077	030	49	123	010	44	171	5024	35	276	5095	19	393	178	10
07	987	086	57	510	076	028	36	122	5009	23	170	5035	16	275	5105	10	392	160	
08	979	067	54	517	069	010	41	114	5021	35	162	5047	32	266	5111	21	383	186	12
09	987	033	31	510	075	5035	24	120	5068	19	167	5099	13	268	5171	05	383	205	
10	994	040	30	504	081	5024	27	126	5048	14	173	5080	12	276	5163	11	391	222	05
11	005	071	50	005	090	000	39	136	5009	39	184	5025	37	289	5086	25	406	159	12
12	007	065	41	007	092	5028	28	137	5056	24	184	5050	16	289	5099	16	407	134	14
14	004	037	27	001	085	5058	20	129	5082	21	176	5110	19	279	5165	05	393	224	
14	014	041	29	012	096	5049	24	141	5082	23	189	5054		293	5071	13	415	125	08
15	026	076	45	021	107	063		154	057	12	203	040	21	310	5024	22	432	084	10
16	014	079	63	013	100	084	62	147	073	64	197	047	59	305	5004	44	427	067	32
17	000	077	56	001	088	128	96	137	108	93	187	083	76	296	013	44	419	000	27
18	993	066	49	506	081	060	29	127	040	13	177	010	32	283	5017	32	404	088	24
19	998	065	42	501	085	5019	29	130	5050	25	177	5065	22	281	5120	10	397	189	
20																			
21	012	062	44	010	096	052	42	142	034	14	190	5022	20	295	5090	16	413	013	
22	994	065	50	505	082	035	46	128	020	44	177	000	43	283	5055	30	403	100	07
23	005	035	36	005	089	5045	25	134	5071	24	181	5074	18	284	5118	07	432	145	
24	005	063	49	005	090	005	41	136	5008	43	184	5029	36	289	5046	30	409	103	07
25	011	043	36	009	094	5041	26	138	5061	16	186	5038		291	5060	13	411	115	11
26	008	075	57	007	093	034	49	140	063	38	189	060	17	297	5016	19	418	108	19
27	005	065	47	005	091	050	54	137	035	53	186	026	51	293	5034	27	414	093	24
28	988	078	60	510	077	056	57	124	040	44	173	010	32	280	5022	14	401	087	21
29	996	037	39	502	084	5016	33	128	5039	30	177	5020	21	282	5078	22	401	130	19
30	005	083	40	005	091	5008	32	136	5049	24	184	5082	20	286	5128	04	402	190	
31	002	068	51	002	088	000	38	133	5024	35	181	5033	32	287	5045	32	408	087	24

DAY	500 MILLIBARS			400 MILLIBARS			300 MILLIBARS		200 MILLIBARS		150 MILLIBARS		100 MILLIBARS		80 MILLIBARS		60 MILLIBARS	
	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE
	gpDm	−°C × 10⁻¹	dg/kg	gpDm	−°C × 10⁻¹	dg/kg	gpDm	−°C × 10⁻¹	gpDm	−°C × 10⁻¹	gpDm	−°C × 10⁻¹	gpDm	−°C × 10⁻¹	gpDm	−°C × 10⁻¹	gpDm	−°C × 10⁻¹
01	534	251		612	038		884	514	147	519	334	509	597	511	744	484		
02	546	226		706	339	02	901	499	157	566	341	550	601	515	746	490		
03	534	261	06	692	371	03	885	513	145	530	333	488	599	480	746	480		
04	542	238	08	702	360	03	897	492	153	600	335	555	596	518	741	519	929	509
05	538	162		701	305	03	899	466	156	636	337	556	600	488	747	495		
06	527	273	05	684	404	02	873	549	139	475	328	501	592	489	739	488		
07	527	249	04	686	375	01	879	428	141	522	329	524						
08	516	294	05	671	432		861	474	133	423	327	428	598	440	748	443		
09	517	276	05	674	337		866	494	137	439	329	468	599	464	747	471	938	474
10	522	318	02	676	437		867	458	140	417	334	444	604	481	751	470		
11	544	232	07	704	334	04	899	495	158	533	346	490	611	494	758	492	947	481
12	544	237	08	703	350	03	898	483	160	497	348	489	614	515	759	497		
14	525	286		682	394		874	481	143	465	333	486	597	510	742	515	929	506
14	549	229	03	710	335		906	472	165	573	351	534	612	530	757	511		
15	572	173	05	735	294	02	933	469	189	597	373	595	630	570	770	560		
16	568	154	17	734	265	06	933	450	194	559	379	546	633	610				
17	563	105	16	730	226		935	578	201	595	384	555	639	587	780	579	963	531
18	544	165	13	709	277	03	910	414	175	512	363	505	626	542	769	524		
19	572	238		690	379		886	418	160	449	352	480	618	507	763	496		
20																		
21	550	022	06	711	336	03	906	510	165	544	350	534	613	525	757	515	944	522
22	545	177		704	306		901	476	161	553	347	534	609	510	755	493		
23	538	236	03	697	346		893	475	155	538	341	516	604	526				
24	547	195	04	709	326		905	483	165	538	351	518	612	536	754	518		
25	548	215	06	709	335	02	903	482	162	537	347	528						
26	556	206	07	719	290	06	918	462	176	615	357	548	617	536	761	533		
27	553	175	06	716	297	02	915	456	177	492	364	537	622	540	765	516	952	514
28	541	162	06	725	282		905	430	169	544	355	532	616	530				
29	539	225	09	697	341	04	892	503	153	514	340	492	608	482				
30	536	270		693	397		886	430	159	434	352	443	623	458	771	457		
31	548	135	17	714	245	08	916	408	181	562	364	556	622	565	765	579	950	507

Results of Radiosonde Observations,
MAWSON – JAN., 1961

DAY	SURFACE			1000 MB.	900 MILLIBARS			850 MILLIBARS			800 MILLIBARS			700 MILLIBARS			600 MILLIBARS		
	PRESSURE	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO
	mb	°C × 10⁻¹	dg/kg	gpDm	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	−°C ×10⁻¹	dg/kg
01	983	5020	17	512	072	5062	09	116	5106	08	162	5140	08	263	5149		378	231	
02	986	5038	18	509	074	5075	11	118	5106	10	164	5141	09	265	5176	03	380	225	
03	992	006	32	505	079	5055	17	123	5095	15	170	5124	13	270	5216	09	383	275	03
04	988	004	21	508	076	5044	14	122	5068	15	168	5097	14	269	5178	08	383	241	07
05	989	006	22	507	077	5035	15	122	5050	12	169	5088	09	271	5153	07	386	236	05
06	983	026	19	513	072	5015	16	117	5046	15	165	5076	15	268	5127	06	384	193	04
08	987	5023	19	508	075	5061	14	120	5094	13	166	5125	12						
08	989	5034	18	508	077	5027	20	122	5065	19	169	5126	18	272	5123	06	389	195	04
09	991	5006	26	506	078	5051	17	122	5090	16	169	5118	16	270	5190	10	384	230	08
10																			
11	980	5006	16	515	070	5022	09	145	5059	10	162	5100	10	263	5189	06	377	220	
12																			
13	984	5013	18	511	073	5041	08	117	5081	08	164	5125	08	264	5210	08	377	243	04
14	985	5029	14	511	073	5053	12	117	5098	11	164	5138	11	264	5180	08	378	264	05
16	984	5008	24	510	072	5060	12	117	5085	11	164	5110	11	265	5178	08	379	248	05
16	984	5034	17	511	072	5084	15	116	5098	15	164	5124	14	265	5180	04	379	245	
17	993	5007	26	503	080	5074	17	124	5108	15	170	5144	13	270	5195	08	383	283	04
18	993	5009	28	504	080	5054	19	124	5098	17	172	5136	15	273	5209	08	385	267	05
19	991	5036	21	505	078	5072	18	122	5104	15	168	5140	12	268	5214	07	380	310	03
21	996	5023	22	502	082	5074	14	126	5110	12	172	5150	11	272	5225	05	383	328	03
21	993	5044	18	504	079	5094	13	123	5125	12	169	5151	07	268	5236	04	380	290	02
22	988	5046	16	508	075	5094	09	119	5126	10	165	5160	09	264	5229	04	376	267	03
23	981	5067	14	513	069	5093	11	113	5129	10	159	5165	09	259	5224	05	372	244	02
24																			
25																			
26	982	5054	15	513	070	5079	11	114	5121	10	160	5149	09	260	5221	07	370	308	03
27	973	5077	14	520	063	5078	11	107	5113	10	153	5154	09	253	5213	06	365	291	03
29	981	5066	15	514	068	5095	15	112	5124	14	160	5145	06	260	5204	03	373	256	02
30	000	5028	18	002	084	5078	13	129	5115	13	175	5149	12	275	5202	07	387	287	04
30	987	5061	14	509	074	5069	08	118	5105	07	165	5144	06	265	5202	03	378	264	02

DAY	500 MILLIBARS			400 MILLIBARS			300 MILLIBARS	200 MILLIBARS		150 MILLIBARS		100 MILLIBARS		80 MILLIBARS		60 MILLIBARS	
	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE
	gpDm	−°C ×10⁻¹	dg/kg	gpDm	−°C ×10⁻¹	dg/kg	gpDm	−°C ×10⁻¹	gpDm	°C. x 10⁻¹	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹	gpDm	−°C.×10⁻¹
01	510	298		665	417		854	560	117	460	310	432	585	402	737	399	934	385
02	512	300	02	668	397	02	858	547	118	480	309	433	584	413	736	403	932	404
03	512	348	02	665	446		853	546	118	468	311	427	587	412	738	407	934	403
04	514	327	04	668	439		856	556	123	464	316	428	591	400	740	399	939	414
05	516	323	03	670	428		860	503	127	456	320	429						
06	518	276	03	675	381		878	460	139	427	334	413	612	375	766	358		
08																		
08	523	265		681	370		874	474	145	405	342	401	619	392	771	406		
09	515	311	04	670	433		860	517	128	436	322	426	596	420	745	415	941	405
10																		
11	511	270		669	368	01	862	508	123	479	315	440	588	411	737	406	933	397
12																		
13	508	329	01	661	452		849	563	115	439	309	426	583	412	736	402		
14	508	326	03	659	431		847	559	113	449	306	430						
16	509	326	04	663	438		850	579	112	459	305	422	581	406	733	385		
16	509	338	03	663	425		852	554	117	457	309	440	583	414	735	403	931	399
17	513	343	02	665	441		854	509	122	450	315	428	590	413	743	391		
18	515	343	03	668	437		857	502	126	439	320	417	597	391	767	382	965	377
19	508	370	02	658	473													
21	512	374	02	661	479		848	509	117	439	311	412	587	402	740	397	937	391
21	508	380	01	658	476		846	492	116	429	311	419	586	406	739	405		
22	506	336	01	660	436		849	497	120	416	315	412	592	397	744	399		
23	502	322	03	657	424		847	544	117	413	312	414	588	402	740	391	937	402
24																		
25																		
26	498	402	01	648	486		837	490	108	419	304	414	579	411	731	396	928	399
27	493	355	01	645	456		834	486	106	416	303	401	590	400	733	396	929	307
29	503	330	02	656	437		845	537	115	422	310	412	597	388	740	397		
30	516	351	03	669	439		857	539	125	437	319	423	594	404	747	402		
30	508	333		661	438		854	445	126	432	320	414	595	412	746	412	942	408

Results of Radiosonde Observations,
MAWSON — Feb., 1961

DAY	SURFACE			1000 MB.	900 MILLIBARS			850 MILLIBARS			800 MILLIBARS			700 MILLIBARS			600 MILLIBARS		
	PRESSURE	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO
	mb	°C ×10⁻¹	dg/kg	gpDm	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	dg/kg	gpDm	−°C ×10⁻¹	dg/kg
01	983	5022	17	513	071	5062	12	115	5101	12	162	5140	11	262	5195	09	375	259	04
02	984	5072	13	511	071	5068	06	116	5108	05	162	5149	04	263	5144		379	224	
03	988	5067	14	508	075	5090	06	119	5111	05	165	5165	05	268	5126		384	204	05
04	996	5053	15	502	081	5069	09	126	5110	08	172	5100	07	275	5126	05	391	193	04
05	990	5030	18	506	077	5054		121	5077	08	168	5114	08	270	5141	05	386	194	
05																			
06																			
07	991	5007	19	506	078	5045	12	123	5096	12	170	5131	11	270	5191	08	384	242	07
08	994	5032	18	503	080	5070	12	124	5109	11	170	5135	13	271	5182	11	385	254	07
10	996	5050	17	502	080	5098	07	124	5129	07	170	5154	06	271	5181	04	385	257	04
11	993	5037	17	504	078	5086	10	123	5119	10	169	5149	10	269	5195	07	382	237	03
12	993	5031	21	507	075	5098	16	119	5126	14	165	5159	12	265	5213	08	378	261	06
12	993	5039	20	506	078	5081	11	123	5127	10	169	5150	10	268	5231	07	381	251	03
13	992	5044	17	506	078	5071		122	5108		169	5149		269	5185		383	237	
14	990	5017	22	506	077	5087	11	121	5119	12	167	5136	14	268	5195	10	381	233	06
15																			
16																			
17																			
18																			
19																			
20																			
21																			
23	004	5003	24	004	089	5020	22	134	5050	18	181	5077	17	284	5149	11	399	231	06
23	995	5061	16	521	081	5091	11	125	5114	10	171	5124	10	271	5210	07	383	282	03
24	998	5073	15	503	082	5094	10	126	5121	09	172	5142	10	272	5196	07	385	275	03
26	991	5088	15	517	076	5121	06	120	5154	06	165	5187	05	265	5181	04	379	241	
26																			
27																			

DAY	500 MILLIBARS			400 MILLIBARS			300 MILLIBARS		200 MILLIBARS		150 MILLIBARS		100 MILLIBARS		80 MILLIBARS		60 MILLIBARS	
	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE
	gpDm	−°C ×10⁻¹	dg/kg	gpDm	−°C ×10⁻¹	dg/kg	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹
01	505	322		660	428		849	496	120	425	312	415	590	401	742	407	938	394
02	510	310		666	396		858	484	128	426	322	421	597	415	749	407	945	398
03	516	300	04	672	410		862	512	133	424	328	419	601	432	751	439	945	427
04	525	255	04	684	391	03	879	501	141	471	333	441	605	455	754	430	948	432
05	520	252		679	353		873	497	135	475	327	443	598	449	747	445	940	430
05																		
06																		
07	516	286	05	672	403	02	862	569	124	457	316	448	587	450	736	448		
08	517	294	05	672	412	02	862	555	125	458	317	443	590	436	740	429	934	420
10	516	313	02	671	420		860	557	122	457	315	439						
11	513	327		667	423		856	558	120	454	313	433	586	430				
12	508	329	03	662	434		850	566	116	443	309	440	581	439	729	431		
12	511	323		665	435		855	518	121	458	314	445	587	441	737	431	931	423
13	515	302		671	387		864	496	127	485								
14	514	287	04	670	402	02	860	538	123	477	315	458	587	439	737	424	932	410
15																		
16																		
17																		
18																		
19																		
20																		
21																		
23	529	336	02	683	428		873	467	146	405	343	395	623	367	778	352		
23	512	375	02	662	473		849	497	119	437	312	431	586	438	734	446		
24	514	361	01	666	460		855	497	125	432	318	434	591	427	741	438	934	442
26	510	306		665	417		855	523	122	429	316	434	588	445	738	436	931	440
26																		
27																		

Results of Radiosonde Observations, MAWSON – Mar., 1961

DAY	SURFACE			1000 MB.	900 MILLIBARS			850 MILLIBARS			800 MILLIBARS			700 MILLIBARS			600 MILLIBARS		
	PRESSURE	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO
	mb	°C × 10⁻¹	dg/kg	gpDm	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg
01	986	5069	16	510	073	5094		117	5124		163	5137		263	5190		376	276	
02	995	5094	13	502	079	5124	08	122	5156	08	168	5192	08	267	5191	06	380	270	04
02																			
03	981	5077	15	513	069	5070	06	113	5108	05	160	5145	05	260	5211	04	373	257	04
05	993	5086	13	505	076	5119	07	120	5132	12	165	5170	10	265	5217	05	378	249	03
06	997	5125	10	501	080	5128	04	123	5163	03	169	5158	03	270	5175	06	385	207	08
06																			
08	981	5089	13	514	067	5145	08	110	5173	08	156	5145	12	255	5214	08	367	300	04
08	982	5154	08	512	068	5158	04	110	5193	04	155	5219	04	253	5273	04	364	293	02
10	979	5161	08	514	066	5153	08	109	5198	04	153	5232	04	251	5218	03	364	272	
10	971	5132	10	521	059	5141	05	103	5169	05	148	5186	05	247	5236	02	359	278	
12	980	5124	10	514	066	5139	07	109	5177	07	155	5208	06	253	5220	03	365	290	
12	990	5101	14	506	075	5132	09	118	5166	08	163	5205	07	262	5227	04	374	283	02
13	991	5094	13	505	077	5107	05	120	5148	05	165	5188	05	263	5263	04	373	339	02
15	995	5136	09	503	077	5159	04	120	5181	04	165	5174	03	264	5233		376	297	
15	001	5128	10	003	084	5130	10	127	5168	09	173	5138	04	274	5169	05	388	235	
16																			
17																			
18																			
19	980	5106	16	514	068	5102	12	112	5135	12	157	5172	11	257	5190	05	371	247	03
21	978	5108	14	516	066	5119	05	109	5158	05	155	5195	04	253	5234	04	364	320	02
22	979	5077	17	515	067	5104	07	111	5151	06	156	5195	05	254	5279	03	363	338	01
22	989	5106	16	507	074	5103		118	5140		163	5172		262	5256		371	359	
23																			
24	991	5124	08	505	075	5176	04	118	5206	04	162	5251	04	258	5247	04	369	296	02
25	991	5132	08	505	075	5167	05	118	5206	04	163	5231	05	259	5320	03	369	302	02
26	988	5139	08	000	080	5169	06	123	5200	06	167	5232	05	264	5294	03	372	331	03
28	983	5172	06	512	069	5154	04	112	5180	03	157	5204	04	254	5280	04	365	285	
28	970	5062	17	523	060	5063	14	105	5108	12	151	5136	11	251	5202	04	365	239	
29	971	5023	31	522	064	5060	24	106	5103	17	152	5132	13	253	5187	08	366	264	05
30	984	5033	14	511	072	5048	11	116	5091	10	163	5141	10	263	5212	08	376	278	04
31	983	5117	10	512	069	5123	09	112	5163	08	158	5184	06	257	5213	06	369	278	03

DAY	500 MILLIBARS			400 MILLIBARS			300 MILLIBARS		200 MILLIBARS		150 MILLIBARS		100 MILLIBARS		80 MILLIBARS		60 MILLIBARS	
	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE
	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	gpDm	°C × 10⁻¹	gpDm	°C ×10⁻¹	gpDm	°C ×10⁻¹	gpDm	°C ×10⁻¹	gpDm	°C ×10⁻¹
01	505	341		658	439		847	548	111	452	305	427	579	411	732	407	927	427
02	511	347	02	663	441		851	540	119	445	311	455	584	419	735	418	930	423
02																		
03	503	335	02	656	439		845	552	110	455	302	439	575	435	725	440	919	424
05	508	330		661	435		850	556	112	493								
06	517	307	04	672	413	01	861	556	119	504	309	478	579	447	729	444		
06																		
08	495	396	02	644	499		829	530	097	448	290	441	562	436	715	423	906	444
08	492	375		643	466		830	529	098	455	290	442	562	437	712	444	905	446
10	493	353		645	459		833	545	099	452	292	443	565	427	713	438	904	432
10	487	377		638	468		825	529	093	453	286	439	558	432	708	438		
12	494	370		645	471		832	538	099	455	292	455	562	441	711	447		
12	503	367	01	654	473		839	584	100	493	290	467	559	459	708	456		
13	498	430		646	511		832	511	099	464	291	468	559	476	706	479	900	482
15	504	379		655	446		843	568	107	478	297	477	563	478	709	495		
15	521	274		678	365		872	514	131	528	317	519	580	515	725	510		
16																		
17																		
18																		
19	501	328	01	654	448		842	531	107	479	297	472	565	480	712	490	901	499
21	490	405	01	640	453		831	509	097	469	287	469	555	482	701	499	889	513
22	489	439		637	486		826	471	095	448	287	458						
22	496	421		644	506		830	500	099	460	291	469	558	494	704	502		
23																		
24	497	373		649	454		837	523	103	472	293	486	558	488				
25	496	371		648	447		837	532	102	464	293	477	559	506	704	512		
26	499	391		649	473		837	551	102	451	295	444	565	467	712	497	899	536
28	494	361		646	454		834	532	102	451	293	468						
28	496	310	03	650	419	01	839	581	102	468	294	451	563	481				
29	495	357	02	647	459		835	543										
30	504	384	02	656	450		843	562	106	480	296	472	564	490				
31	498	347	01	651	442		892	469	111	482	301	479	567	499				

Results of Radiosonde Observations,
MAWSON – Apr., 1961

DAY	SURFACE			1000 MB.	900 MILLIBARS			850 MILLIBARS			800 MILLIBARS			700 MILLIBARS			600 MILLIBARS		
	PRESSURE	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO
	mb	°C × 10⁻¹	dg/kg	gpDm	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	−°C × 10⁻¹	dg/kg
01																			
02	989	5088	11	507	075	5104	06	119	5139	06	164	5181	06	264	5212	05	376	286	03
04	988	5094	17	507	074	5103		117	5137		163	5164		262	5218		377	258	
04																			
06	978	5083	20	518	066	5090	14	111	5127	12	156	5140	13	256	5197	09	369	291	04
06	985	5107	11	510	071	5146	08	114	5172	08	159	5174	10	258	5221	08	370	302	04
07	987	5141	09	508	073	5122		116	5137		162	5143		262	5203		375	275	
08	993	5119	09	504	076	5161	05	119	5190	05	164	5153	10	264	5207	08	376	290	04
09	000	5189	05	002	080	5224	03	122	5235		166	5221		265	5225		376	282	
11	000	5179	06	002	081	5208	02	123	5207		167	5208		267	5197		380	245	
12	995	5193	06	504	077	5193	03	119	5215		163	5240		262	5179		376	266	
12	989	5184	06	506	073	5190	03	115	5211	02	159	5241	02	259	5186		372	242	05
14	987	5067	14	509	073	5106	11	117	5150	10	163	5183	09	262	5186	10	375	249	07
14	989	5091	15	506	075	5133	11	118	5148	11	164	5156	11	264	5205	09	377	270	06
15	991	5106	12	505	076	5126	08	120	5144	09	165	5167	06	265	5221	05	376	278	04
16	003	5120	09	004	084	5159	05	127	5193	05	171	5189	07	270	5214	06	382	286	04
17	006	5114	10	006	086	5162	06	129	5176	07	174	5207	07	271	5288	04	381	315	02
18	996	5139	08	502	078	5173	03	119	5204	03	164	5228	04	261	5280	04	371	308	03
19	990	5143	12	506	074	5173	08	116	5208	07	161	5236	05	258	5286	04	367	319	03
20	983	5166	07	512	067	5195	04	109	5237	03	153	5261	03	249	5286	04	359	330	02
21	989	5165	08	508	073	5129	06	116	5162	06	162	5145	04	262	5179		377	230	
23	992	5098	14	504	077	5120	11	120	5153	10	166	5160	11	267	5173	11	382	216	09
23	981	5108	10	511	070	5138	04	113	5138	04	159	5171	04	259	5186	08	373	243	06
25	972	5157	07	520	059	5167		102	5194		146	5226		245	5188	06	358	253	04
26	977	5152	06	516	069	5170	04	107	5205	04	151	5237	03	250	5221	04	362	260	
27	985	5167	06	510	069	5177	04	112	5215	04	156	5207	06	255	5223		367	281	02
27	985	5186	05	510	070	5190		112	5217		157	5202		255	5231		366	311	
28	984	5206	05	511	066	5234	03	108	5268	03	152	5256	04	249	5258	02	359	335	
29	990	5222	04	506	072	5222	03	114	5255	02	158	5208	04	256	5260	03	366	357	02

DAY	500 MILLIBARS			400 MILLIBARS			300 MILLIBARS		200 MILLIBARS		150 MILLIBARS		100 MILLIBARS		80 MILLIBARS		60 MILLIBARS	
	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE
	gpDm	−°C × 10⁻¹	dg/kg	gpDm	−°C × 10⁻¹	dg/kg	gpDm	−°C × 10⁻¹	gpDm	−°C × 10⁻¹	gpDm	−°C × 10⁻¹	gpDm	−°C × 10⁻¹	gpDm	−°C × 10⁻¹	gpDm	−°C × 10⁻¹
01																		
02	505	343	03	659	430	01	848	545	112	467								
04	508	303		665	390		857	518										
04																		
06	497	394	02	645	506		830	538	096	474	287	474	553	496	690	514		
06	497	412	01	646	494		831	557	093	501	281	507	544	520				
07	504	354		657	447		845	559	103	506	290	513	553	529	697	535		
08	504	382	02	654	467		840	586	100	510	287	512	550	530				
09	505	368		656	465		843	542	109	489	297	501	560	540	702	556		
11	511	317	02	666	412	01	857	499										
12	507	315		661	418		852	539	113	500	302	491	567	508	712	525	898	535
12	502	329	03	660	413	02	847	531										
14	506	343	03	660	425	01	848	564	106	529	292	517	554	531				
14	506	363	03	658	443	01	846	583	105	513	293	513	555	530	699	532		
15	505	371	02	656	464		843	560	102	507	290	509	553	533	696	538		
16	511	372	02	662	466		849	580	109	501	297	506	559	532				
17	509	380	01	659	477		846	513	113	477	303	496	566	537				
18	499	374	01	650	453		840	452	110	472	299	498	563	536	706	554	889	580
19	493	388	02	645	464		832	513	101	462	242	474	556	517	700	550		
20	485	405		635	470		826	466	095	486	284	493	547	530	690	555		
21	508	304		664	403	01	854	546	110	539	296	526	557	552				
23	514	294	05	670	406	02	859	550	114	557	299	528	561	536	704	552		
23	504	323	03	657	441	01												
25	489	323		643	416		832	567	088	524	274	527	534	552	676	569		
26	492	360		643	483		828	584	090	546	271	546	529	570	669	598		
27	496	372	01	647	473		832	589	085	593	263	588	516	588	656	618		
27	493	391	01	643	481		827	613	080	569	263	565	518	606	656	623		
28	485	423	07	633	523		814	623	070	553	253	566	507	618		640		
29	490	451	07	636	541		818	576	079	541	263	570	516	613		631		

Results of Radiosonde Observations, MAWSON – May, 1961

DAY	SURFACE			1000 MB.	900 MILLIBARS			850 MILLIBARS			800 MILLIBARS			700 MILLIBARS			600 MILLIBARS		
	PRESSURE	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO
	mb	°C × 10⁻¹	dg/kg	gpDm	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg
01	985	5223	04	509	069	5241	03	110	5270	02	153	5306	02	248	5311	02	356	356	
02	985	5159	07	510	070	5151	04	113	5190	04	158	5227	04	254	5300	03	362	381	01
02																			
03																			
05	981	5167	06	513	067	5139	04	110	5164	04	156	5164	04	255	5239	03	367	253	
06	975	5136	13	518	062	5160	09	105	5187	08	150	5209	07	249	5236	06	360	315	03
07	979	5117	12	515	066	5136	07	109	5167	07	154	5218	06	251	5279	04	362	312	03
07	980	5097	12	514	067	5122	07	110	5162	07	156	5206	06	254	5276	04	365	300	04
08	973	5104	12	520	062	5122	06	105	5160	05	150	5200	06	248	5244	05	359	317	03
10	980	5083	12	516	068	5110		111	5148		156	5185		255	5245		366	259	
10	990	5089	10	507	075	5118	06	118	5156	06	164	5200	06	261	5274	05	371	310	03
11	985	5169	06	510	070	5180	03	112	5215	02	157	5239	02	254	5230		365	292	
13	985	5133	08	510	070	5149	04	113	5191	04	158	5222	04	255	5265	04	365	345	02
13	991	5094	11	505	076	5127	07	119	5169	06	164	5206	06	262	5212	08	376	265	05
14	980	5083	12	514	067	5108	07	111	5145	07	157	5189	06	255	5229	05	367	270	
15	983	5064	16	512	070	5105		114	5144		160	5181		259	5237		370	264	
16	985	5090	11	510	072	5093	06	116	5130	06	162	5163	05	261	5205	06	376	226	04
17	986	5136	08	509	071	5177	03	114	5194	03	159	5202	03	259	5180	03	373	219	03
18	986	5193	05	506	072	5208		114	5248		158	5261		256	5218		368	274	03
19	989	5190	05	507	072	5197	03	114	5222	03	159	5249	04	256	5246		367	279	
20	985	5193	08	509	069	5203	05	111	5236	04	156	5268	04	251	5268	04	362	313	03
22	984	5129	11	511	070	5141	08	112	5180	06	158	5216	05	255	5290	03	363	353	02
22	993	5106	11	504	077	5141	05	120	5185	05	164	5224	05	262	5272	04	372	343	02
24	001	5154	07	002	083	5176	03	125	5213	03	170	5245	03	267	5245	04	378	322	02
24	994	5118	08	504	077	5130		121	5165		166	5200		265	5200		387	278	02
26	993	5095	09	504	077	5125		120	5162		166	5133		267	5169	10	382	219	08
26	002	5138	36	002	082	5183	03	124	5209	02	169	5205	02	269	5167	10	384	227	08
27	003	5133	08	004	083	5193	03	126	5228	03	170	5251	04	269	5200	08	382	255	06
28	999	5100	12	001	081	5147	09	124	5195	07	169	5215	07	267	5243	06	379	281	05
30	994	5124	11	503	077	5140	07	120	5173	08	165	5206	07	263	5229	06	376	246	06
30	991	5125	14	505	075	5162	08	118	5202	07	163	5229	06	261	5212	08	374	278	05
31	999	5162	08	501	080	5197	04	122	5222	03	167	5202	05	265	5248	05	376	300	04

DAY	500 MILLIBARS			400 MILLIBARS			300 MILLIBARS		200 MILLIBARS		150 MILLIBARS		100 MILLIBARS		80 MILLIBARS		60 MILLIBARS	
	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE
	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	gpDm	°C × 10⁻¹	gpDm	°C × 10⁻¹	gpDm	°C × 10⁻¹	gpDm	°C × 10⁻¹	gpDm	°C × 10⁻¹
01	482	429		629	504		815	521	080	521	266	536	524	577				
02	485	447		632	527		817	513	081	511	267	548	524	588	665	619		
02																		
03																		
05	497	323		651	442		839	566	096	538	281	547	539	575				
06	486	410	01	636	486		822	539	085	517	271	526						
07	488	405	01	637	494		823	547	087	502	273	538	531	583	671	607	849	628
07	492	406	01	642	474		828	528	092	508	279	524	538	569	678	601		
08	486	409	01	635	486		825	477	092	476	281	507	544	533	687	563	868	603
10	497	322		650	429		839	560	098	523	284	527	544	555	685	576	866	605
10	501	318	03	655	432		844	563	098	555	282	548	541	568	681	581		
11	494	321		648	438		834	589	088	553	271	547	529	579				
13	491	392	01	641	484		827	545	090	535	274	545	530	570	673	583		
13	504	365	02	656	465		842	590	098	580								
14	497	355		649	428		836	595	094	532	278	566	534	609	673	613		
15	500	330		654	433		841	580	098	548	282	593	537	590	676	635		
16	507	314	02	661	443		848	588	099	623	278	574	534	588				
17	504	321		658	444		845	589	096	581	277	568						
18	497	362	01	648	469		835	568	090	588	272	596	523	633	654	644	830	660
19	496	373																
20	488	406		637	504		822	554	080	567	261	599	511	654	645	692		
22	488	443	01	634	533		816	597	070	588	249	628	496	679				
22	497	434		645	509		828	607	080	612	258	624	505	685				
24	504	401	01	653	498		837	602	090	585	269	625	516	682	649	718		
24	517	332	01	669	462		855	596	106	615	283	614	533	642	660	678	841	706
26	514	303	04	669	427	01	857	573	106	640	284	605	536	619	673	643		
26	516	314	04	670	419	01	859	568	106	625	285	608	536	620	678	649	847	698
27	512	344	03	665	438		852	593	102	612	282	611	533	628	669	667		
28	507	379	02	657	470		843	591	110	584	277	603	527	654	662	679		
30	508	269	06	665	401	02	856	540	104	680	281	622	530	646				
30	503	362	02	654	461		840	569	095	581	277	559	532	606	670	620		
31	503	378	02	653	494		836	617	087	595	268	593	519	628	657	642	832	673

Results of Radiosonde Observations,
MAWSON – Jun., 1961

DAY	SURFACE			1000 MB.	900 MILLIBARS			850 MILLIBARS			800 MILLIBARS			700 MILLIBARS			600 MILLIBARS		
	PRESSURE	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO
	mb	°C × 10⁻¹	dg/kg	gpDm	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	−°C ×10⁻¹	dg/kg
01																			
03	988	5226	03	507	071	5227		112	5256		156	5268		253	5239	03	365	291	
03	980	5233	03	514	064	5229	02	106	5255		150	5281		245	5254		356	317	01
04	998	5236	03	500	076	5257	01	117	5279		161	5253		258	5255		369	291	
06	019	5221	04	016	095	5188	03	137	5175	03	183	5162		283	5155		398	217	04
07	013	5094	08	012	094	5095		138	5111		185	5090		288	5107	14	406	158	10
07	009	5046	13	009	092	5058	13	137	5092	12	183	5100	17	286	5113	19	403	177	09
08	004	5050	12	005	087	5081	10	131	5133	09	177	5161	09	277	5215	08	390	248	05
09																			
10	999	5147	07	501	081	5151		123	5195		168	5187	04	267	5245	02	377	321	02
11	993	5156	06	504	075	5186	04	118	5214	03	162	5211	03	260	5193	04	374	244	02
12	992	5151	06	504	075	5189	03	117	5233	03	162	5255	03	259	5243	06	371	274	05
13																			
15	981	5116	14	514	066	5146	11	109	5183	09	154	5221	06	252	5226	07	364	287	04
15	973	5112	09	520	061	5121	06	105	5161	06	150	5198	06	248	5230	06	360	293	02
17	981	5129	08	513	067	5166	05	110	5202	05	154	5243	05	251	5252	05	361	326	03
17	984	5150	06	510	069	5186	05	111	5217	05	156	5253	04	252	5278	04	361	347	02
19	985	5166	07	510	069	5192	05	112	5226	04	156	5267	03	251	5336	02	358	361	02
20	984	5167	08	511	069	5180	08	111	5222	06	155	5257	04	252	5273	04	362	339	02
20																			
21																			
23	978	5187	05	516	063	5200	04	106	5215	03	150	5215		248	5269		359	289	
23	990	5174	06	506	073	5189		115	5222		160	5176		259	5221		371	295	
24	001	5183	05	002	081	5168		124	5202		169	5223	03	268	5209	04	381	276	02
25	991	5132	07	506	075	5116	04	118	5131	04	164	5152	04	264	5232				
26																			
27	997	5209	04	001	077	5235	02	119	5257	02	163	5283	01	260	5237		372	305	
28	995	5173	06	506	072	5216	04	114	5243	04	158	5241	05	257	5209	08	371	174	13
29																			
30																			

DAY	500 MILLIBARS			400 MILLIBARS			300 MILLIBARS		200 MILLIBARS		150 MILLIBARS		100 MILLIBARS		80 MILLIBARS		60 MILLIBARS	
	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE
	gpDm	−°C ×10⁻¹	dg/kg	gpDm	−°C ×10⁻¹	dg/kg	gpDm	−°C ×10⁻¹	gpDm	−°C × 10⁻¹	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹
01																		
03	493	388		643	484		829	584	079	629	255	646	501	686	634	697		
03	482	405		632	480		816	602	067	613	245	616	494	650	629	664		
04	498	367		650	443		836	574	089	623	268	616	516	658	651	700		
06	532	255	05	691	378		883	533	132	702	306	662	551	668				
07	541	251	04	700	371	02	888	544	139	738	310	674	554	678				
07	538	277	03	695	394		885	553	133	717	309	657	557	623	694	652	868	678
08	520	334	02	674	424		862	590	115	603	294	614	544	634	680	665		
09																		
10	505	367		657	445		845	560	099	610	277	641	522	700	654	728		
11	505	323		659	432		847	554	098	651	273	676	515	702	647	742		
12	501	327	04	655	420		844	553	096	613	276	607	524	668	658	701	827	737
13																		
15	492	377	02	642	479		838	579	082	581								
15	487	382	01	637	483		821	605	074	585	254	618	503	645	640	647	814	671
17	487	409	01	636	516		819	603	070	630	247	642	493	678	625	719		
17	487	431		634	519		818	595	069	617	246	652	491	697				
19	483	438		631	503		815	575	068	614	245	635	493	667				
20	488	412	01	637	476		823	589	073	616	251	636						
20																		
21																		
23	487	375		637	496		821	606	071	634	248	653	494	680	625	716		
23	499	399		648	506		830	616	077	659	252	671	494	719	625	736		
24	510	361		661	489		843	641	084	750	253	710						
25																		
26																		
27	499	391		649	456		836	573	085	678	257	687						
28	506	235	09	665	360	03	858	528	106	763	270	743						
29																		
30																		

Results of Radiosonde Observations,
MAWSON – Jul., 1961

DAY	SURFACE			1000 MB.	900 MILLIBARS			850 MILLIBARS			800 MILLIBARS			700 MILLIBARS			600 MILLIBARS		
	PRESSURE	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO
	mb	°C × 10⁻¹	dg/kg	gpDm	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg
01	983	5133	08	512	069	5172	05	112	5172	05	157	5209	05	255	5236	06	367	279	03
02	981	5144	07	513	067	5138	05	111	5156	05	156	5186	04	255	5211	05	367	271	
03	990	5070	12	506	076	5096	08	120	5128	07	165	5172	06	263	5259	05	373	322	03
04	989	5091	11	507	074	5138		117	5170		162	5200		260	5245		370	328	
05	981	5071	11	513	068	5110	08	112	5140	08	158	5196	07	256	5262	05	366	337	03
07	968	5047	13	524	059	5075	09	103	5110	10	149	5153	10	249	5226	07	360	308	03
08	984	5097	13	511	070	5128	10	113	5156	08	159	5188	07	257	5263	05	367	334	03
08																			
09	971	5140	06	521	059	5148	04	102	5189	04	147	5224	04	245	5236	05	356	298	03
10	974	5097	15	519	063	5111	12	106	5146	10	152	5181	08	250	5248	06	361	325	03
12	979	5112	08	515	066	5150		109	5189		154	5228		251	5257		361	338	
13	981	5122	09	514	067	5160	06	110	5199	05	155	5236	05	252	5243	06	361	323	03
13	984	5116	09	510	070	5138	07	113	5174	07	159	5211	06	255	5286	04	364	361	02
15	974	5136	07	519	061	5160	06	104	5200	05	149	5226	06	245	5305	03	354	351	02
15	978	5177	05	515	063	5210	03	106	5240	02	150	5262	03	246	5279	02	355	363	01
17	993	5181	06	504	074	5213	04	116	5244	04	161	5266	04	255	5336	02	363	364	01
17	986	5174	05	509	070	5200	04	112	5241	04	156	5270	04	252	5271	02	362	335	
18	978	5142	07	515	065	5169	05	107	5209	05	152	5230	05	249	5249	04	359	328	01
19	988	5098	11	507	074	5124		117	5163		162	5206		259	5262		370	300	
21	009	5150	07	008	088	5133		132	5124	07	178	5157	11	278	5213	08	392	249	04
21	992	5148	08	505	075	5146	06	119	5154	05	165	5143	10	265	5204	09	378	267	05
22	985	5148	11	510	069	5180	08	112	5166	10	157	5186	09	256	5225	07	368	294	02
23	981	5194	05	513	065	5231	02	106	5268		150	5258		248	5237	03	360	266	04
24	983	5228	05	511	066	5262	03	107	5285	03	150	5279	03	246	5303	03	354	362	02
25	978	5281	03	514	061	5314	01	101	5348		143	5280		235	5337		342	383	
26	966	5307	02	523	052	5320	01	092	5353	01	134	5359	01	227	5361	01	334	371	
27	968	5290	02	521	054	5293	01	095	5312	01	138	5315	02	233	5343	02	339	395	01
28	981	5266	03	513	064	5237	02	106	5259	02	149	5280	01	238	5335	01	348	363	01
29	982	5219	05	512	067	5215	02	109	5248	02	153	5248	02	249	5279		358	365	
30	984	5229	04	510	068	5218	02	110	5247	02	153	5272	01	250	5281	02	359	365	
31	986	5192	06	509	070	5214	04	112	5247	04	156	5288	03	251	5298	04	360	360	02

DAY	500 MILLIBARS			400 MILLIBARS			300 MILLIBARS		200 MILLIBARS		150 MILLIBARS		100 MILLIBARS		80 MILLIBARS		60 MILLIBARS	
	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE
	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	gpDm	°C × 10⁻¹	gpDm	°C × 10⁻¹	gpDm	°C × 10⁻¹	gpDm	°C × 10⁻¹	gpDm	°C × 10⁻¹
01	497	348	01	648	458		834	509	078	733	248	690	488	727				
02	496	367		647	479		832	595	077	701	249	698	488	733	617	777		
03	500	407	01	649	503		832	620	076	694	247	713	484	761				
04	497	365		648	481		833	611	075	713	245	729						
05	492	403	01	640	511		821	648	065	686	236	711						
07	488	366	02	638	498		820	650	064	658	238	701						
08	494	399	01	642	519		821	655	066	696	236	725						
08																		
09	484	382	01	633	509		814	630	060	714	227	733	461	795				
10	487	424		633	557		814	630	056	726								
12	487	413		635	532		815	663	056	730	225	742						
13	487	426	01	634	529		814	657	055	735	223	747						
13	489	450	01	635	564		814	646	056	717	226	735						
15	478	449		624	549		804	643	049	702								
15	479	447		626	541		804	692	043	727	211	748	444	805				
17	488	445		633	561		812	665	053	715	232	727						
17	488	431		635	540		816	617	063	680	235	704						
18	485	420		634	501		818	580	067	670	239	710	476	774				
19	498	371		649	487		832	632	077	692	248	713	486	736				
21	522	344	02	674	485		857	648	093	791								
21	507	353	03	658	472		842	642	079	794	243	744	473	808				
22	497	349		650	450		835	609	079	718	248	746						
23	490	357	02	641	486		824	637	068	684	239	637	473	787				
24	479	424	01	628	494		813	570	065	626	241	678	480	755				
25	465	466		611	529		794	605	044	648	218	678	458	745				
26	458	451		605	536		787	595	039	617	216	653	459	710	590	734		
27	462	454		609	511		793	580	047	613	224	643	469	695				
28	473	447		619	529		800	633	048	656	221	708	459	758				
29	483	432		631	521		811	621	055	724	224	727						
30	484	417		632	533		812	640	056	711	226	734	460	786				
31	485	440		631	539		812	634	056	700	225	740	458	804				

Results of Radiosonde Observations,
MAWSON – Aug., 1961

DAY	SURFACE			1000 MB.	900 MILLIBARS			850 MILLIBARS			800 MILLIBARS			700 MILLIBARS			600 MILLIBARS		
	PRESSURE	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO
	mb	°C × 10⁻¹	dg/kg	gpDm	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg
01																			
02	976	5080	12	517	064	5078	10	108	5136	09	154	5162	09	253	5250	05	363	308	04
03	981	5128	14	513	067	5155		110	5184		155	5224		251	5302		359	363	
04	979	5133	13	514	066	5139	11	109	5158	10	155	5189	08	254	5229	07	365	290	04
05	984	5136	12	510	070	5175	06	112	5210	05	156	5231	05	254	5256	05	364	330	03
07	986	5209	04	510	069	5249	03	110	5283	03	153	5305	02	249	5284	04	358	369	02
08	981	5213	04	513	065	5236		106	5258		150	5190		249	5231	02	360	308	02
09	977	5235	03	513	061	5255		103	5271		147	5265		245	5236		355	315	02
09	974	5239	03	517	059	5282	02	1 0	5301	02	143	5282	03	238	5305	03	347	340	01
10	985	5272	04	509	068	5290	01	108	5324	01	151	5350	01	245	5292	02	354	350	
12	981	5233	04	513	065	5240	04	1 6	5266	03	150	5290	03	246	5253	02	357	311	02
12																			
13																			
15	984	5184	06	511	069	5178	04	111	5205	04	156	5218	04	254	5234	04	365	309	01
15	983	5168	05	512	067	5195	03	110	5227	03	154	5263	03	251	5252	04	362	290	
16	975	5158	06	517	062	5172	03	105	5212	02	149	5236	03	247	5251	03	357	324	01
18	978	5197	04	515	063	5214		105	5253		149	5274		244	5292		354	326	
19	984	5256	03	511	066	5277	02	107	5301	02	150	5310	02	245	5314	01	353	360	01
20	984	5217	05	510	068	5263	02	109	5296	02	152	5311	02	246	5333	02	353	397	01
21	987	5202	04	509	069	5238	02	111	5277	02	154	5308	02	249	5288	02	358	339	
21	990	5212	04	507	071	5250		112	5281		156	5303		251	5309		359	365	
22	996	5245	03	501	076	5261	02	117	5292	02	160	5297	02	256	5297	02	365	349	01
23	996	5232	03	502	076	5234		117	5262		161	5278		258	5272	02	367	341	01
25	995	5210	03	503	076	5207		118	5244		162	5264		259	5241		371	284	
25																			
26																			
27	961	5079	12	530	052	5107	09	095	5138	08	141	5178	07	239	5259	06	350	303	04
28																			
29	994	5092	11	503	078	5128	08	121	5165	08	166	5202	08	264	5254	06	374	351	03
30	012	5153	07	011	091	5164	03	134	5179	03	180	5167	03	279	5238		390	313	
31	016	5104	09	013	095	5128		139	5141		184	5149		284	5190	04	398	213	

DAY	500 MILLIBARS			400 MILLIBARS			300 MILLIBARS		200 MILLIBARS		150 MILLIBARS		100 MILLIBARS		80 MILLIBARS		60 MILLIBARS	
	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE
	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	gpDm	°C × 10⁻¹	gpDm	°C ×10⁻¹	gpDm	°C ×10⁻¹	gpDm	°C ×10⁻¹	gpDm	°C ×10⁻¹
01																		
02	491	388	02	640	492		826	588	073	734	240	749						
03	484	410		633	487		819	574	069	674	241	708	479	754				
04	494	362	02	644	497		827	647	074	646	248	675	489	735				
05	490	411	01	638	523		819	635	065	674	239	686	477	754				
07	482	428	01	630	513		812	633	057	684	228	712	466	760				
08	488	381	01	638	494		820	629	062	730	231	718						
09	482	404	01	630	527		810	648	054	705	224	719						
09	473	421		620	548		800	633	046	675	261	700						
10	479	438		625	546		806	607	053	679	224	730						
12	484	394	02	634	458		819	612	062	724	231	736						
12																		
13																		
15	493	375		643	487		796	610	074	684								
15	490	371		641	476		825	591	072	700	242	730						
16	484	405		633	501		816	635	060	724	228	759	459	818				
18	480	424		628	507		810	640	050	752	217	768						
19	477	445	01	623	545		803	645	047	710	215	750						
20	478	416		627	487		811	614	058	694	228	738						
21	483	431		631	507		813	634	055	748	221	775						
21	483	436		631	529		813	629	059	685	229	728	464	789	559	789		
22	489	432		638	497		821	631	063	697	235	704	474	736				
23	493	393	01	643	497		826	637	067	737	234	756	467	776				
25	499	372		650	482		833	635	074	725	243	750						
25																		
26																		
27	477	396	02	626	498		810	624	053	686	224	731	460	753				
28																		
29	499	435		646	539		826	653	067	730	237	765						
30	518	362		671	457		856	614	099	724	267	717						
31	530	287	04	687	400	02	878	540	126	749	288	842	513	831				

Results of Radiosonde Observations,
MAWSON – Sep., 1961

DAY	SURFACE			1000 MB.	900 MILLIBARS			850 MILLIBARS			800 MILLIBARS			700 MILLIBARS			600 MILLIBARS		
	PRESSURE	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO
	mb	°C × 10⁻¹	dg/kg	gpDm	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10-1	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg
01																			
02	004	5050	09	005	088	5070		132	5101		178	5140		279	5144		394	221	
03																			
04	987	5132	06	508	072	5164	05	115	5187	05	160	5244	05	256	5243	05	368	287	02
05	988	5153	05	507	072	5188	02	114	5227	02	159	5265	02	254	5265	03	365	311	
06																			
07	995	5184	05	503	076	5212	03	118	5217	03	162	5230	03	260	5265	04	370	316	01
07	997	5178	05	501	078	5187	03	121	5220	03	165	5242	03	264	5223	02	375	312	02
08	999	5135	07	001	081	5158	06	124	5207	05	169	5240	05	266	5227	02	379	262	
09	991	5113	08	506	076	5102		120	5137		166	5164		266	5169		380	243	
10	989	5106	08	507	074	5131	05	117	5147	05	163	5194	04	261	5200	05	374	264	
11	996	5081	12	501	080	5123	08	123	5166	08	169	5198	08	267	5244	06	379	277	05
12	002	5122	08	003	084	5165	05	126	5196	05	171	5224	06	269	5226	07	381	278	03
13	000	5125	07	001	082	5158	04	124	5196	04	169	5223	05	268	5195	04	382	217	05
14																			
15	993	5072	17	504	078	5113	11	121	5144	10	167	5268	11	268	5184	10	382	237	07
17	983	5092	10	512	070	5121	07	113	5150	07	159	5189	07	258	5189	08	371	240	06
18	987	5151	06	509	070	5170		113	5211		158	5250		254	5229		365	301	
18	989	5143	09	507	073	5191	06	115	5226	04	159	5260	04	254	5344	02	363	325	02
20	993	5130	09	504	076	5153	07	119	5190	07	164	5227	06	252	5223	05	374	298	02
20	993	5168	06	503	076	5207	05	118	5239	05	162	5274	04	259	5245	04	370	309	02
22	994	5224	03	503	077	5250	03	116	5289	03	159	5278	02	255	5276	02	365	333	02
22	987	5239	03	508	069	5263	02	110	5295	02	153	5318	02	247	5305	03	355	358	01
23	989	5215	03	507	070	5249	02	111	5287	01	155	5318	01	249	5297	02	358	358	01
24	000	5217	03	501	078	5264	02	119	5295	01	163	5277	02	260	5264	02	371	298	
25																			
27	986	5136	08	510	070	5180	05	113	5218	06	157	5255	05	253	5255	06	364	322	04
27																			
28																			
29	986	5119	08	510	072	5125	05	115	5165	05	160	5145	05	259	5212	03	372	272	

DAY	500 MILLIBARS			400 MILLIBARS			300 MILLIBARS		200 MILLIBARS		150 MILLIBARS		100 MILLIBARS		80 MILLIBARS		60 MILLIBARS	
	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE
	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	gpDm	°C × 10⁻¹	gpDm	°C ×10⁻¹	gpDm	°C ×10⁻¹	gpDm	°C ×10⁻¹	gpDm	°C ×10⁻¹
01																		
02	527	292	02	683	395	02	873	565	117	779	278	825						
02																		
03	497	348	01	650	438		836	598	079	739	244	778						
04	492	381		642	494		825	637	065	732	233	765	455	790				
05																		
07	498	382		648	476		833	595	080	687	250	732	486	762				
07	502	397	01	653	449		841	529	098	600								
08	510	266	02	668	373	02	861	524	111	692	296	656	530	668	664	687	835	714
10	511	275		668	384	02	860	533	109	736	274	723	511	734	641	748		
10	506	260		663	394		854	543	102	731	267	769	502	751				
11	509	296	04	665	402	01	855	548	104	734	273	724	511	723	642	734		
12	511	301		666	419		855	565	101	742	270	704	509	725	640	727		
14	514	309		669	437	01	856	595	100	712	270	699	510	731				
14																		
15	512	341		665	459		850	610	092	738	262	738	496	779				
17	501	337	03	654	465		838	627	081	729	247	768						
18	494	368		645	461		830	610	075	724	242	726	474	790				
18	489	401		639	469		826	572	073	709	241	748	473	792				
20	501	406	01	650	487		834	625	077	727	245	747						
20	497	394		646	505		829	613	073	720	242	734	477	760				
22	491	429	01	638	525		819	632	064	695	235	715	472	750				
22	480	432		628	517		810	617	056	701	226	735						
23	482	440		629	530		811	620	055	706	224	752	458	782				
24	499	343	03	653	425		841	582	086	745	253	765						
25																		
27	490	420		638	526		818	633	064	690	235	724	472	747				
27																		
28																		
29	501	366		653	468		837	617	079	731	246	756						

Results of Radiosonde Observations,
MAWSON — Oct., 1961

DAY	SURFACE			1000 MB.	900 MILLIBARS			850 MILLIBARS			800 MILLIBARS			700 MILLIBARS			600 MILLIBARS		
	PRESSURE	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO
	mb	°C ×10⁻¹	dg/kg	gpDm	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	dg/kg
01	998	5095	09	000	081	5119	11	125	5148	10	170	5186	09	271	5168	04	386	227	05
01																			
03	973	5081	12	520	062	5112	12	105	5145	11	151	5152	12	251	5207	09	364	276	05
03	985	5151	06	510	070	5159	07	112	5194	07	158	5201	06	256	5224	04	368	295	02
04	992	5138	06	505	076	5132	05	119	5130	04	165	5163	03	255	5218	03	378	231	
05	990	5118	13	506	075	5136	12	118	5121	16	165	5134	16	266	5175	12	380	239	03
06	991	5146	06	506	074	5168	03	116	5198	03	161	5230	02	260	5198	05	373	255	02
07	992	5164	05	505	074	5182	03	117	5200		162	5218		260	5231	03	371	285	02
08	988	5167	04	508	071	5199		113	5232		158	5245		256	5216	03	368	399	02
09	994	5212	03	503	075	5217	02	116	5249	02	161	5255	02	258	5240	02	369	324	01
10	994	5194	04	503	075	5221	02	117	5201	03	162	5188	03	261	5234	02	372	302	01
12	997	5167	04	510	077	5220	02	120	5225		165	5178		264	5214	07	376	272	05
12	990	5179	05	506	073	5212	04	115	5212	02	160	5219		258	5237	03	370	294	03
13	991	5211	05	505	073	5206	03	115	5195	02	161	5186		259	5233	03	370	318	02
14	989	5183	05	507	071	5228	04	113	5260	04	157	5250	04	254	5275	04	364	322	
15	984	5168	05	511	068	5197	02	110	5218	02	155	5192	04	254	5230	06	366	230	06
17	986	5148	07	509	070	5194	04	112	5221	05	157	5175	07	257	5226	05	368	302	02
17	976	5106	08	517	064	5118		108	5170		153	5197	03	252	5205	04	365	248	04
18																			
19	971	5101	14	522	059	5121	11	103	5161	09	148	5198	07	247	5219	08	359	277	05
20																			
21																			
23	979	5094	08	515	066	5119	05	110	5160	04	155	5201	04	253	5227	06	365	300	04
23	977	5122	06	516	065	5139	04	108	5151		154	5175		253	5231		365	312	
24	981	5168	05	512	067	5173	03	109	5213	02	154	5248	02	251	5246	02	362	301	
25	983	5114	08	512	069	5145	03	112	5172	03	157	5174	05	256	5233	06	369	258	07
26	990	5168	05	506	073	5182	03	116	5218	03	160	5224	03	258	5230		370	291	
27	995	5167	05	503	077	5200	02	119	5230	02	163	5230	02	261	5238		373	283	
28	989	5156	05	507	072	5200	03	114	5239	02	158	5280	02	253	5293	02	363	328	
29	981	5139	06	513	067	5173	04	109	5207	03	154	5243	03	250	5298	02	359	349	
30	971	5133	14	521	060	5112	11	104	5151	09	149	5188	08	248	5233	06	360	264	06

DAY	500 MILLIBARS			400 MILLIBARS			300 MILLIBARS		200 MILLIBARS		150 MILLIBARS		100 MILLIBARS	80 MILLIBARS		60 MILLIBARS	
	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE
	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	gpDm	°C ×10⁻¹	gpDm	°C ×10⁻¹	gpDm	°C ×10⁻¹	gpDm	°C ×10⁻¹	gpDm	°C ×10⁻¹
01	517	327	02	671	395		863	519	113	724	277	844	508	785	636	755	803	732
01																		
03	492	384	02	642	494		825	639	068	707	238	718	476	735	606	743		
03	496	378	01	646	500		828	644	071	704	240	740	476	753				
04	509	320		663	434		850	591	096	695	265	754	503	681	635	730		
05	511	318		665	435		853	576	104	664	278	674	521	713	653	698		
06	503	352	01	655	456		841	598	088	677	261	682	504	706	636	701	808	680
07	499	382	01	649	493		832	638	075	707	245	734	482	734	613	726		
08	497	359		648	477		833	601	078	706	248	704	489	710	622	693	796	660
09	495	419		643	520		825	603	074	676	246	693	488	700				
10	499	396		649	477		833	618	078	676	251	678	493	686	627	677		
12	506	353	03	670	462		843	609	088	712	258	700	500	690	633	676	808	653
12	498	373	02	648	494		830	651	073	700	244	694	487	682	621	673		
13	497	396	01	647	498		829	633	072	705	243	711	484	694	618	681		
14	491	389		641	471		827	574	075	701	246	711	486	708	619	679		
15	499	283	04	653	391	02	843	540	093	700	265	696	504	741				
17	496	363	01	648	459		835	553	085	653	260	677	503	699	636	692		
17	496	332	04	650	419	02	839	561	086	724	256	714	497	692	631	676		
18																		
19	487	368	02	640	447		823	589	070	695	241	709						
20																		
21																		
23	493	335	02	647	452													
23	496	312		650	452		836	598	081	704	252	712	494	655	631	636		
24	490	371		641	467		827	578	076	672	251	642	499	654	634	666		
25	499	332	03	652	461		837	598	087	651	262	649	509	644	646	634	822	644
26	497	360		650	465													
27	501	363		653	467		838	586	090	618	268	622	519	607				
28	489	411		638	496		825	552	080	587	260	601	514	566	655	578		
29	484	422		633	498		820	533	080	542	264	561						
30	490	355	03	642	452	01	829	571	087	536	273	532	535	533	678	532	865	504

Results of Radiosonde Observations, MAWSON – Nov., 1961

DAY	SURFACE			1000 MB.	900 MILLIBARS			850 MILLIBARS			800 MILLIBARS			700 MILLIBARS			600 MILLIBARS		
	PRESSURE	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO
	mb	°C × 10⁻¹	dg/kg	gpDm	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	−°C × 10⁻¹	dg/kg
01	978	5051	20	516	066	5084	17	111	5120	14	158	5155	12	259	5172	12	373	220	09
01	979	5058	15	515	067	5106	11	111	5144	10	157	5174	09	257	5174	12	371	249	07
02	979	5111	09	515	066	5143	06	109	5188	05	154	5204	04	252	5239	02	364	268	05
03	987	5103	10	509	072	5153	06	115	5191	06	160	5226	05	257	5244	04	369	310	04
04	985	5097	10	510	071	5135	08	114	5174	07	159	5212	07	258	5231	07	370	273	04
05	988	5083	12	508	074	5112	11	117	5153	10	163	5175	10	261	5222	07	373	307	04
06	985	5069	12	511	071	5120	09	114	5166	09	159	5204	07	258	5245	06	368	324	03
07	989	5122	09	507	074	5116	06	118	5180	05	164	5144	04	264	5213	02	376	251	02
08	973	5078	12	520	063	5092	05	106	5137	04	152	5168	05	252	5200	03	365	259	05
09	969	5072	13	523	059	5105	09	102	5140	09	148	5181	09	247	5217	08	360	252	03
10	984	5065	15	513	069	5104	09	112	5146	08	158	5167	09	257	5250	05	368	287	05
11	996	5058	16	502	080	5110	11	123	5139	09	169	5180	09	268	5218	08	380	284	05
12	991	5072	16	506	077	5094		120	5134		166	5165		265	5230		376	308	
14	978	5051	14	516	067	5081	09	111	5113	08	157	5154	09	257	5230	07	369	262	06
14	988	5056	15	508	074	5094	09	118	5108	10	155	5158	10	264	5229	07	377	285	03
15	995	5097	10	507	080	5104	08	123	5141	10	159	5158	07	269	5193	04	383	268	02
16	998	5057	17	000	082	5100	06	126	5122	05	172	5141	06	273	5133	17	391	187	12
18	988	5053	20	508	074	5117	15	117	5150	12	163	5159	12	264	5158	14	379	215	10
18	986	5088	12	510	072	5098	05	116	5118	05	162	5160	04	261	5202	03	374	267	
19	991	5051	13	505	077	5112	07	120	5133	04	166	5146	04	267	5173	11	381	244	07
21	999	5061	12	501	083	5112	06	126	5157	05	172	5167	06	272	5190	09	385	265	04
21	997	5073	12	501	081	5091	05	125	5119	05	173	5147	04	274	5168	04	387	261	02
22	982	5046	12	513	071	5088		115	5123		161	5154		261	5190		375	241	
23	984	5074	11	511	071	5098	07	115	5140	07	161	5169	08	260	5189	03	374	254	
24	995	5056	12	503	080	5082	06	124	5119	06	170	5162	06	273	5176	10	384	257	07
25	990	5051	13	508	077	5064		121	5093	05	167	5123		268	5182		382	226	
26	987	5070	12	509	074	5084	06	118	5125	05	164	5154	05	264	5154		379	235	
27	993	5050	15	504	079	5076	13	123	5120	10	169	5156	10	270	5172		384	226	05
29	986	5029	14	510	073	5079	12	117	5115	12	164	5151	12	263	5234	06	377	239	04
29	981	5050	16	514	068	5106	10	119	5144	09	158	5168	09	257	5223	07	369	275	05
30	985	5056	16	510	072	5095	11	115	5138	10	161	5176	09	260	5223	06	373	275	05

DAY	500 MILLIBARS			400 MILLIBARS			300 MILLIBARS		200 MILLIBARS		150 MILLIBARS		100 MILLIBARS		80 MILLIBARS		60 MILLIBARS	
	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE
	gpDm	−°C × 10⁻¹	dg/kg	gpDm	−°C × 10⁻¹	dg/kg	gpDm	−°C × 10⁻¹	gpDm	−°C × 10⁻¹	gpDm	−°C × 10⁻¹	gpDm	−°C × 10⁻¹	gpDm	−°C × 10⁻¹	gpDm	−°C × 10⁻¹
01	505	322	04	659	428	01	846	593	098	595	279	571	537	525	682	507	871	468
01	502	327	04	655	437		842	593	090	656	266	635	519	566	661	547	847	491
02	494	342	03	647	448		833	581	082	645	258	638	510	581	651	567	835	524
03	497	371	02	647	495		830	606	078	648	255	644	504	623	643	592		
04	499	366	03	650	466		835	615	083	654	258	657	508	602				
05	500	383	02	650	507		833	601	084	628	261	615	514	571	656	552	842	496
06	495	397	01	645	488		828	604	079	631	256	634	507	597	648	565	831	533
07	507	322	03	667	425	01	849	576	098	667	271	671	519	624	657	595	839	561
08	496	328	03	650	406	02	840	538	089	676	263	658	513	597	654	562	838	534
09	491	313		645	446		831	592	077	679	250	665	498	609	639	567	822	537
10	497	363	02	648	468		833	611	079	669	253	653	503	606	643	577	829	549
11	509	373	02	659	483		842	618	091	650	266	643	517	601	657	565	841	526
12	504	375		656	439		844	576	096	643	270	621	522	597	663	556	846	560
14	500	334	04	652	457		839	583	090	583	271	589						
14	504	392	02	655	474		840	582	093	593	272	622	524	592	665	570	849	534
15	512	339	02	666	423		856	541	112	572	294	575	548	609	688	588		
16	524	284	05	680	398	02	871	546	123	615	303	581	559	561	701	553	884	554
18	511	303	05	666	422		854	580	109	561	293	540	552	525				
18	505	320		659	401		850	541	103	593	285	567	546	503	692	480	881	488
19	513	289	05	668	413	02	857	576	105	632	283	614	537	565	681	487	871	478
21	515	345	02	667	460		853	575	106	603	285	612	541	544	685	499	875	493
21	518	326		672	395		863	552	114	648	291	616	545	535	689	517	877	487
22	505	325		660	420		849	563	102	590	283	573	544	508	689	516	879	449
23	504	327		658	437		846	562	101	574	284	544	546	492	693	476	885	418
24	514	340	01	667	448		854	570	109	574	291	556	553	473	702	428	897	400
25	514	314		667	460		852	588	108	563	293	527	558	462	707	431	903	403
26	510	302	02	666	395	01	856	553	112	542	298	514	564	459	711	408	911	400
27	516	319	03	670	434	01	858	559	117	489	308	457	578	456	727	433		
29	508	330	03	661	449		849	528	113	479	303	468	575	428	726	408		
29	498	354	03	650	440		839	511	105	444	298	446	570	438	720	412	916	390
30	501	360		653	460		841	537	104	488	296	421	570	428	715	406	911	410

Results of Radiosonde Observations,
MAWSON – Dec., 1961

DAY	SURFACE			1000 MB.	900 MILLIBARS			850 MILLIBARS			800 MILLIBARS			700 MILLIBARS			600 MILLIBARS		
	PRESSURE	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO
	mb	°C ×10⁻¹	dg/kg	gpDm	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	dg/kg	gpDm	−°C ×10⁻¹	dg/kg
01																			
03	992	5059	14	505	077	5091	08	121	5127	07	167	5170	06	267	5187	04	380	280	02
03	981	5051	22	513	070	5063	18	114	5090	16	161	5135	14	261	5188	11	375	248	07
04	985	5040	22	511	072	5071	16	116	5106	15	163	5125	15	264	5198	10	376	273	05
06	980	5052	20	514	069	5066	14	113	5097	13	160	5133	11	260	5207	08	373	269	06
06	984	5043	18	511	072	5078	14	116	5110	12	162	5142	11	262	5211	08	375	275	05
07	973	5061	12	520	062	5068	08	106	5107	08	153	5146	07	253	5188	05	366	287	03
09	973	5047	14	520	062	5091	15	106	5128	13	152	5152	09	252	5216	07	364	274	04
09	984	5028	19	512	072	5068	13	116	5098	11	163	5134	09	262	5220	06	374	273	05
10	974	5007	17	517	067	5034	08	112	5062	07	156	5098	07	254	5198	07	367	275	05
11	981	5029	18	513	070	5062	16	114	5098	12	161	5131	11	261	5216	08	373	291	04
12	988	5022	22	508	076	5053	13	120	5092	11	167	5123	09	268	5197	06	381	286	04
13	982	5017	20	515	070	5075	14	114	5116	13	161	5146	12	261	5204	07	373	284	04
15	986	5034	18	509	074	5067	14	118	5091	12	165	5130	10	265	5215	06	376	310	03
15	986	5042	20	511	071	5079	11	115	5121	10	162	5162	07	261	5233	06	373	285	03
16	982	5050	14	513	070	5087	08	114	5126	07	160	5166	06	259	5211		372	274	
17	984	5028	18	511	072	5075	10	116	5113	10	164	5153	09	264	5215	06	375	279	02
18	981	5056		513	069	5088		113	5129		159	5143		259	5188		372	250	
19	975	5056	15	519	064	5074	08	108	5117	10	154	5161	07	254	5197	03	367	249	04
20	980	5062	16	514	069	5074	10	113	5111	08	159	5150	06	259	5225	04	370	287	
21	983	5041	21	512	071	5071	11	115	5114	11	166	5155	09	261	5203	03	373	289	02
22	989	5056	15	507	076	5056	07	120	5100	07	167	5141	06	266	5227	04	378	299	02
23	989	5035	17	507	076	5056	06	120	5090	05	167	5113		269	5172		383	232	04
24																			
25	988	5007	20	509	075	5053	10	120	5091	10	166	5139	09	266	5195	07	379	263	02
26	985	5040	16	511	072	5084	09	116	5127	07	162	5162	06	262	5191		375	254	
27	983	5028	18	512	071	5070	09	115	5118	07	161	5156	07	261	5243	06	372	278	
28	977	5050	16	517	066	5055	08	111	5099	07	157	5140	07	257	5229	05	369	278	
29	974	5027	18	519	064	5052	14	109	5090	13	155	5128	12	255	5200	05	368	306	03
30	968	5031	23	524	059	5072	15	104	5013	13	150	5137	12	251	5200	09	363	286	04
31	972	5032	03	521	062	5068		106	5099		152	5135		252	5220		365	271	

DAY	500 MILLIBARS			400 MILLIBARS			300 MILLIBARS		200 MILLIBARS		150 MILLIBARS		100 MILLIBARS	80 MILLIBARS		60 MILLIBARS	
	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE
	gpDm	−°C ×10⁻¹	dg/kg	gpDm	−°C ×10⁻¹	dg/kg	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹
01																		
03	508	372	01	660	442		847	582	107	527	295	492	564	434	716	380	915	347
03	505	337	03	659	422	02	847	525	110	506	300	477	568	458	719	431	916	391
04	505	341	03	659	430	01	847	521	108	498	298	454	569	447	718	447	911	438
06	503	342	03	655	457		842	574	100	504	289	483	560	417				
06	503	368	02	654	485		840	572	097	560	281	527	549	437	701	381		
07	494	376	02	645	487		830	568	087	548	273	510	541	435	693	404	890	364
09	493	355	01	645	456		832	584	090	528	277	501	547	446	696	436	891	420
09	503	370	02	653	492		839	556	100	487	291	468	561	442	710	438	904	418
10	497	348	02	648	484		833	580	093	496	283	469	555	423	706	403	902	415
11	501	388	02	651	478		837	568	096	514	284	483	556	405	709	371	908	358
12	509	375	02	661	464		847	563	106	537	293	493	564	414	715	404		
13	502	360	01	654	459		840	580	095	556	281	506	550	414	703	383	900	386
15	504	370	02	656	460		842	594	098	547	283	512	552	426	704	404		
15	500	367	01	652	477		837	573	096	528	284	485	555	420	707	397	904	388
16	501	360	01	652	470		837	558	098	511	287	471	560	398	722	391		
17	505	358		656	470		845	527	106	502	295	482	565	432	718	422	911	399
18	503	321		658	415		846	568	108	501	297	495	565	442	716	403	913	399
19	498	323	02	652	424		842	520	109	454	301	452	574	422	725	391	923	374
20	499	344		653	438		841	560	100	520	289	464	563	386	717	373	916	366
21	501	383		652	474		839	544	100	514	288	487	558	431	710	399	907	391
22	506	357		658	432		848	524	110	512	299	485	567	435	718	420	913	398
23	515	320	03	669	417		860	516	122	520	309	490	579	452	728	433		
24																		
25	511	280		668	361		861	523	119	507	309	467	578	455	728	433	923	397
26	505	341		659	434		847	570	109	482	299	455	571	432	722	407	919	399
27	501	356		654	459		840	558	103	489	294	440	569	388	722	389	920	387
28	498	360		649	470		836	525	102	468	294	432	570	386	725	379	924	354
29	496	362		647	474		836	520	100	486	291	454	564	414	716	392	913	362
30	491	371		642	456		831	523	096	471	288	458	560	421	711	390	909	375
31	495	335		649	432		838	532	100	468	293	453	566	425	717	402	914	391

Results of Radiosonde Observations,
WILKES – JAN., 1961

Observations. 1130 Hours

DAY	SURFACE			1000 MB.	900 MILLIBARS			850 MILLIBARS			800 MILLIBARS			700 MILLIBARS			600 MILLIBARS		
	PRESSURE	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO
	mb	°C ×10⁻¹	dg/kg	gpDm	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	dg/kg
01	979	006	35	656	069	5038	26	113	5077	22	160	5095	21	263	5118	19	379	198	10
02	984	009	35	619	073	5033	27	117	5057	25	165	5087	22	268	5107	21	375	167	14
03	991	014	23	558	078	5032	19	123	5052	18	171	5084	16	274	5126	07	390	177	
04	978	007	28	667	068	5017	19	129	5041	10	161	5057		265	5091		383	160	
05	982	003	29	634	071	5054	22	115	5091	17	162	5113	10	264	5142	07	379	204	
06	976	025	27	685	067	5026	19	113	5010	18	161	5055	18	264	5148	15	379	211	09
07	981	027	30	643	071	5015	20	116	5058	18	162	5100	17	264	5163	13	378	248	06
08	990	017	32	572	077	5024	21	123	5060	19	170	5099	17	271	5176	12	385	254	06
09	990	012	40	567	077	5053	26	122	5083	20	169	5110	17	270	5171	10	384	230	06
10	988	001	38	582	075	5057	25	120	5094	19	166	5106	17	268	5165	11	383	221	07
11	989	5011	35	576	076	5073	22	120	5100	15	167	5117	15	268	5178	07	381	258	05
12	988	5029	17	596	074	5090	19	119	5128	14	165	5154	12	265	5197	08	378	234	06
13	988	004	29	587	075	5058	11	120	5079	06	167	5102	06	268	5169	11	383	206	09
14	980	017	26	650	069	5009	21	115	5045	20	163	5085	17	265	5164	12	379	238	07
15	978	003	25	671	068	5028	23	113	5067	22	160	5100	19	261	5169	12	375	252	06
16	980	006	25	651	069	5055	17	113	5094	17	160	5123	16	261	5180	11	375	251	16
17	990	003	28	580	077	5042	19	121	5081	20	168	5107	14	269	5186	09	383	238	04
18	994	000	27	538	097	5043	19	125	5070	17	172	5104	13	273	5189	08	386	248	05
19	991	5011	29	559	077	5065	23	122	5092	19	169	5117	16	279	5190	10	392	271	05
20	991	003	27	565	077	5066	15	122	5096	13	169	5113	10	269	5195	06	382	268	03
21	993	5017	21	542	078	5087	17	123	5095	10	170	5086	08	273	5125		389	185	
22	985	001	29	612	073	5063	15	117	5101	13	164	5111	07	265	5149		371	216	
23	979	016	16	656	068	5042	19	113	5069	19	160	5111	15	262	5203	13	376	229	08
24																			
25	987	5005	18	597	074	5063	18	119	5101	17	165	5129	14	274	5181	08	387	250	05
26																			
27	955	5004		570	049			094			142			243	5119	18	362	197	10
28																			
29	997	013	34	511	080	5037	23	125	5074	20	172	5111	16	273	5169	11	387	247	04
30	978	001	33	667	068	004	09	137	5001	06	162	5039	07	266	5123	03	382	227	02
31																			

DAY	500 MILLIBARS			400 MILLIBARS			300 MILLIBARS		200 MILLIBARS		150 MILLIBARS		100 MILLIBARS		80 MILLIBARS		60 MILLIBARS	
	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE
	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	gpDm	°C ×10⁻¹	gpDm	°C ×10⁻¹	gpDm	°C ×10⁻¹	gpDm	°C ×10⁻¹	gpDm	°C ×10⁻¹
01	512	290	04	668	415		859	484	131	417	326	424	599	435	750	413	946	417
02	510	255	07	668	376	02	861	505	124	460	318	435	591	416	743	407	939	396
03	524	260		682	317		875	516	137	458	331	428	604	428	755	419	950	409
04	518	259		676	392		867	524	134	448	327	435	600	419	752	400	949	404
05	512	284	03	668	406		860	505	129	436	323	426	598	403	751	396	948	386
06	512	273	06	668	405		858	561	124	428	320	406	598	378	751	374	950	369
07	508	313	04	663	413		863	554	119	436	314	408	592	384	745	384	943	384
08	515	316	02	670	418		859	553	127	426	322	412	598	395	751	396	948	389
09	515	340	02	669	430		861	492	131	428	326	410	601	409	754	399	951	380
10	515	297		671	396		863	505	131	426	326	411	602	400	755	390	952	379
11	511	338	01	666	388		860	451	130	432	325	410	599	398	752	390	950	381
12	510	293	05	667	397		860	536	117	484	307	454	580	424	732	421	926	418
13	511	277	04	672	408		862	531	127	464	319	432	594	410	746	404		
14	512	227	04	669	389	02	860	524	125	440	319	420	595	400	748	387	946	373
15	506	297	04	662	407		851	540	112	417	315	418	592	413	744	388	942	383
16	505	330	03	659	428		849	512	119	413	314	410	590	386	743	388	941	380
17	514	297		670	400		860	552	124	459	318	417	595	392	748	378	947	369
18	517	305	02	673	400	02	863	550	126	462	319	425	595	398	748	383	946	389
19	522	326	03	674	423		866	540	130	476	322	437	598	384	751	390	948	395
20	512	327	02	667	418		856	528	124	442	318	428	593	400	746	396	943	389
21	523	264		681	358		875	498	114	434								
22	503	288		659	391		850	534	118	426	313	419	587	418	739	408	935	395
23	508	301	04	664	390	02	856	507	122	453	315	437	590	407	741	402	937	406
24																		
25	518	317		673	410		863	530	132	439	326	425						
26																		
27	495	291		652	394		846	412	124	400	320	421	595	417	746	413	942	410
28																		
29	518	321		673	400		864	501	131	468	323	442	597	409	749	404	939	400
30	515	227	08	674	347	04	870	473	134	468	326	441	605	413	756	408	952	397
31																		

Results of Radiosonde Observations,
WILKES – Feb., 1961

DAY	SURFACE			1000 MB.	900 MILLIBARS			850 MILLIBARS			800 MILLIBARS			700 MILLIBARS			600 MILLIBARS		
	PRESSURE	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO
	mb	°C × 10⁻¹	dg/kg	gpDm	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg
01																			
02	962	5001	39	794	054	5035	30	099	5064	25	147	5094	20	249	5163	12	363	239	07
03	976	016	26	682	066			111			159	5069	20	262	5149	12	377	242	07
04	979	043	27	662	069	5031	17	114	5058	15	161	5096	14	263	5176	11	377	242	05
05	979	006	41	669	068	5042	24	113	5075	21	160	5110	18	261	5178	11	375	262	06
06	996	006	33	522	081	5040	19	126	5078	14	173	5084	04	256	5148	03	390	232	04
07	998	5008	26	504	083	5070	23	127	5098	19	174	5127	17	275	5169	05	389	230	05
08	995	000	25	526	081	5070	18	125	5109	15	171	5148	12	272	5170	10	386	225	06
09	996	5011	24	517	082	5047	08	126	5080	11	173	5118	13	274	5168	10	389	231	06
10	988	5007	24	584	076	5038	20	121	5062	18	168	5118	12	269	5162	11	384	229	08
11	991	011	34	561	077	5040	27	122	5070	23	170	5099	19	272	5163	12	385	249	06
12	995	5008	33	526	081	5052	25	125	5078	22	172	5101	16	274	5167	08	389	215	06
13	991	5011	22	562	077	5070	19	121	5086	18	168	5104	11	271	5120	04	387	202	04
14	984	5014	27	620	072	5046	17	116	5073	15	163	5104	14	265	5173	11	380	207	07
15	993	5050	17	543	079	5110	14	125	5145	12	169	5107	08	271	5157	03	386	226	02
16	000	5057	14	012	084	5055	07	128	5077	04	176	5068	04	279	5127	03	395	170	05
17	997	5078	15	506	081	5099	13	125	5085	04	172	5115	03	273	5159	02	388	236	02
18	000	5066	16	012	084	5052	04	129	5065	04	176	5079	04	276	5116	04	388	155	06
19	005	5029	20	054	088	5057	14	133	5061	07	180	5083	07	283	5108	20	401	154	18
20	012	5006	29	014	093	5067	16	138	5100	05	184	5100	19	288	5100	12	406	127	18
21	012	5030	33	012	096	5045	54	141	5043	63	188	5060	59	293	5055	34	413	111	24
22	007	5023	29	074	090	5039	29	135	5051	29	183	5063	28	287	5094	24	405	152	16
23	994	5021	32	537	079	5089	18	124	5076	13	171	5083	07	274	5128		390	183	
24	994	5017	31	537	080	5048	26	125	5061	25	172	5068	26	276	5119	19	393	150	18
25																			
26	993	010	26	546	080	5020	25	126	5056	23	173	5094	20	275	5170	12	389	260	06
27																			
28	970	006	36	732	070	5048	23	106	5069	23	153	5100	18	254	5176	10	368	243	06

DAY	500 MILLIBARS			400 MILLIBARS			300 MILLIBARS		200 MILLIBARS		150 MILLIBARS		100 MILLIBARS		80 MILLIBARS		60 MILLIBARS	
	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE
	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	gpDm	°C × 10⁻¹	gpDm	°C × 10⁻¹	gpDm	°C × 10⁻¹	gpDm	°C × 10⁻¹	gpDm	°C × 10⁻¹
01																		
02	494	325	03	649	403		841	496	114	410								
03	507	346	03	660	445		848	547	119	405	315	401	592	401	744	403	940	408
04	508	337	01	661	450		849	510	120	413	316	404	594	402	746	396	943	388
05	504	355	02	658	442		847	408	115	439	309	428	584	404	741	408	936	413
06	522	318	02	676	444		863	560	129	452	321	433	595	430	746	420	941	408
07	521	322	03	676	395		867	525	131	467	323	444	594	443	714	457	908	426
08	518	302	03	674	400	02	864	520	127	458	321	432	594	427	745	420	940	413
09	521	290	03	678	390		870	520	135	474	326	440	598	437	748	427	942	426
10	515	308	04	671	400	01	862	520	127	458	319	447	592	426	743	426	937	426
11	516	320	03	670	429		859	512	129	426	323	425	598	410	749	410	945	410
12	520	318	02	675	418		864	562	128	441	321	430	595	433	745	436	939	440
13	520	274	03	676	380		870	509	134	457	326	447	599	444	748	412	941	410
14	512	288	04	668	397	01	859	527	129	416	324	425	598	428	749	430	942	433
15	516	322		670	427		860	487	133	415	328	422	600	438	750	438	943	438
16	530	242	07	688	352	02	882	511	143	502	332	481						
17	519	303	01	674	426		865	463	137	429	331	444	603	447	752	451	943	454
18	524	244	03	683	351	02	879	462	141	479	335	415						
19	536	217	11	699	283	07	898	437	160	563	345	508	608	503	754	499	942	492
20	543	215	09	704	327	04	900	483	160	536	348	480	613	477	760	476	950	479
21	551	201	11	713	237	04	909	481	157	583	352	509	615	523	760	502	948	488
22	540	253	07	698	366	03	892	510	154	497								
23	524	260		681	385		873	531	136	468	327	453	597	451	746	458	937	465
24	529	247	08	687	372	03	880	530	135		322		590	466	739	459	930	452
25																		
26	520	304	04	676	412		866	549	131	419	324	443	595	446	744	460	935	479
27																		
28	498	325	03	662	428		852	490	126	406	321	411	595	429	746	438	939	450

Results of Radiosonde Observations,
WILKES – Mar., 1961

DAY	SURFACE			1000 MB.	900 MILLIBARS			850 MILLIBARS			800 MILLIBARS			700 MILLIBARS			600 MILLIBARS		
	PRESSURE	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO
	mb	°C × 10⁻¹	dg/kg	gpDm	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	−°C × 10⁻¹	dg/kg
01	992	5022	31	719	078	5052	22	123	5088	19	169	5123	15	270	5183	10	384	250	06
02	990	5050	20	566	075	5098	18	120	5088	09	166	5105	07	268	5180	06	381	253	03
03																			
04	989	5054	14	577	077	5122	11	120	5103	11	167	5115	06	268	5171	08	383	224	07
05	979	5022	18	660	067	5082	13	112	5119	12	158	5159	11	258	5207	08	370	271	03
06	974	5066	12	604	062	5122	11	106	5161	10	151	5169	09	251	5212	03	363	260	
07	978	5054	14	668	066	5112	12	109	5151	10	155	5193	08	254	5217	03	366	275	
08	980	5078	14	654	067	5129	13	115	5118	12	162	5163	07	261	5218		374	270	
09																			
10	971	5038	25	731	061	5058	23	106	5073		153	5102	20	255	5171	12	369	256	07
11	982	5006	33	636	070	5046	27	115	5067	25	162	5097	21	264	5171	12	378	250	07
12	989	5022	32	574	075	5066	25	120	5097	20	166	5126	17	267	5189	10	380	281	05
13	985	5047	22	607	072	5094	17	116	5129	13	162	5128	14	262	5203	08	375	276	05
14	980	5086	12	644	068	5077	16	120	5097	13	160	5126	11	259	5207	07	371	290	02
15	984	5050	27	613	071	5089	21	115	5113	18	161	5140	15	261	5205	09	374	284	05
16																			
17	989	5062	16	574	074	5115	13	118	5152	11	163	5186	09	261	5270	05	372	292	04
18	976	5061	21	679	065	5048	21	110	5086	15	157	5125	12	257	5213	06	368	312	03
19	969	5032	25	748	059	5096	20	104	5096	17	150	5130	15	251	5202	09	364	260	06
20	977	5017	23	674	066	5067	16	110	5110	14	156			257			370	261	05
21	982	5063	16	633	070	5070	19	114	5100	16	160	5130	13	262	5154	10	377	232	05
22	980	5050	19	645	068	5095	14	111	5129	13	157	5161	11	257	5189	10	370	252	05
23																			
24																			
25	989	5011	32	577	076	5054	23	122	5088	19	168	5108	18	270	5182	11	383	250	03
26	975	5022	23	689	065	5051	20	109	5070	23	157	5094	19	259	5160	13	373	240	07
27	994	5031	25	533	080	5067	20	124	5103	17	171	5113	15	272	5177	07	386	223	09
28																			
29	000	5056	21	012	083	5073	21	128	5092	17	175	5100	07	276	5162	08	391	237	05
30	010	5089	14	089	090	5088		134	5110		181	5105		282	5149	11	399	170	13
31																			

DAY	500 MILLIBARS			400 MILLIBARS			300 MILLIBARS		200 MILLIBARS		150 MILLIBARS		100 MILLIBARS		80 MILLIBARS		60 MILLIBARS	
	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE
	gpDm	−°C × 10⁻¹	dg/kg	gpDm	−°C × 10⁻¹	dg/kg	gpDm	−°C × 10⁻¹	gpDm	−°C × 10⁻¹	gpDm	−°C × 10⁻¹	gpDm	−°C × 10⁻¹	gpDm	−°C × 10⁻¹	gpDm	−°C × 10⁻¹
01	513	341	02	666	435		855	521	124	440	317	448	589	445	738	449		
02	511	328	01	664	431		853	511	124	433	318	430	591	425	742	441	934	466
03																		
04	514	300	03	671	387		863	467	130	450	323	445	594	447	743	447	936	449
05	501	311		657	407		847	539	113	442	306	436	579	444	728	439	921	441
06	494	332		648	432		837	529	106	447	299	426	572	425	723	431	916	440
07	495	366		647	453		836	513	104	450	297	442	569	453	719	437	911	459
08	503	346		656	456		843	527	112	444	304	449	575	458	723	459	915	460
09																		
10	498	364	03	649	471		840	446	115	422	309	430	581	467	729	466	920	465
11	508	343	03	661	453		849	570	112	460	304	458	574	456	722	458	914	461
12	508	362	02	660	459		847	565	109	477	300	458	571	441	720	450	912	462
13	503	357	03	655	460		842	574	105	468	297	462	568	444	717	441	910	470
14	500	362	03	651	468		836	578	100	468	291	449	563	440	712	438	906	436
15	502	368	02	653	480		838	569	103	457	295	452	566	438	716	441	908	447
16																		
17	501	350	02	654	425		843	500	113	452	304	462	573	469	721	470	912	472
18	496	363	02	648	452		841	417	117	403	312	416	586	439	735	453	926	470
19	494	345	03	647	429		835	570	101	458	293	449	562	478	709	478	899	479
20	501	313	03	656	419		846	532	108	482	298	478	566	481	713	489	901	498
21	508	320	03	663	400	02	855	510	117	487	306	473	575	470	723	490	911	499
22	501	320	03	656	396	01	848	524	112	465	303	471	570	490	717	475	905	502
23																		
24																		
25	514	335	01	668	436		856	550	119	452	310	478	576	495	722	497	911	499
26	504	348	03	656	450		845	465	115	452	307	467	574	494	720	506	908	521
27	519	292	05	676	390	02	873	517	138	473	327	496	591	522	736	533	921	537
28																		
29	523	284		681	369		874	523	138	479	328	497	594	501	739	505	926	510
30	534	231	09	694	341	04	890	495	151	546	336	532	597	532	741	531	926	530
31																		

Results of Radiosonde Observations,
WILKES – Apr., 1961

DAY	SURFACE			1000 MB.	900 MILLIBARS			850 MILLIBARS			800 MILLIBARS			700 MILLIBARS			600 MILLIBARS		
	PRESSURE	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO
	mb	°C × 10⁻¹	dg/kg	gpDm	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	−°C × 10⁻¹	dg/kg
01	993	5033	26	545	078	5083	21	123	5108	18	169	5122	16	270	5183	05	385	232	
02	992	5056	21	551	077	5097	19	121	5113	18	167	5147	14	267	5200	04	381	249	
03	988	5068	19	584	073	5111	15	117	5115	14	164	5139	13	264	5190	10	378	247	07
04	983	5103	09	624	069	5108	09	113	5114		159	5107		262	5145		377	212	
05	982	5178	07	642	067	5188	07	109	5216	06	154	5161	05	254	5180		368	232	
06	985	5144	07	603	069	5209	06	111	5250	05	155	5240	06	252	5232		365	250	
07	971	5107	12	717	059	5143	10	102	5172	10	148	5219	07	246	5219	08	358	292	04
08																			
09	985	5093	14	609	071	5140	10	138	5154	09	159	5188	07	257	5265	05	368	298	
10	988	5114	12	574	072	5153	11	115	5157	10	161	5179	08	259	5251	04	370	309	
11	997	5142	10	511	079	5152	07	122	5168	06	167	5197	05	265	5280	03	375	306	01
12	994	5142	09	534	077	5127	05	120	5151	05	166	5159	04	266	5202		379	229	
13	002	5058	20	028	085	5075	16	129	5106	14	176	5140	12	276	5175	10	391	226	08
14																			
15	980	5040	28	648	068	5092	15	116	5128	15	158	5145	13	259	5169	12	373	222	09
16	996	5046	24	521	080	5103	13	124	5131	13	170	5133	13	270	5201	09	383	269	05
17	996	5101	13	521	079	5147	10	122	5184	08	167	5175	06	268	5190	05	381	253	04
18	986	5102	11	593	072	5125	09	115	5154	09	160	5180	09	260	5208	08	373	255	06
19	988	5064	16	583	073	5111	17	107	5141	11	163	5173	10	262	5205	09	374	290	04
20	993	5104	14	543	077	5113	12	120	5143	09	166	5170	09	265	5216	07	378	260	05
21	990	5117	10	566	073	5141	08	116	5132	09	162	5150	08	262	5209	05	375	257	06
22	966	5072	14	757	056	5107	08	100	5129	08	146	5128	12	247	5194	09	359	273	05
23	954	5101	14	855	046	5100	08	090	5133	08	136	5169	08	235	5199	07	348	289	03
24	967	5131	09	770	057	5108	11	100	5130	10	146	5166	09	245	5218	05	357	299	03
25	972	5094	12	721	060	5130	11	104	5169	10	149	5179	10	248	5229	07	359	321	03
26	982	5121	10	638	068	5120	10	111	5153	09	157	5193	07	257	5200		370	245	
27	977	5077	17	676	065	5103	16	108	5143	12	154	5184	09	253	5211	07	365	300	04
28	976	5088	15	684	064	5101	13	108	5131	13	154	5164	11	254	5219	07	366	298	04
29	975	5067	13	699	063	5106	09	107	5139	09	153	5171	08	252	5219	07	365	237	07
30	978	5071	19	666	066	5099	16	110	5119	13	156	5149	14	256	5193	10	369	282	05

DAY	500 MILLIBARS			400 MILLIBARS			300 MILLIBARS		200 MILLIBARS		150 MILLIBARS		100 MILLIBARS		80 MILLIBARS		60 MILLIBARS	
	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE
	gpDm	−°C × 10⁻¹	dg/kg	gpDm	−°C × 10⁻¹	dg/kg	gpDm	−°C × 10⁻¹	gpDm	−°C × 10⁻¹	gpDm	−°C × 10⁻¹	gpDm	−°C × 10⁻¹	gpDm	−°C × 10⁻¹	gpDm	−°C × 10⁻¹
01	516	319		670	429		861	468	130	465	321	473	589	485	736	480	925	498
02	513	273	04	670	322	04	864	505	128	463	319	490	583	510	728	517	914	527
03	509	304	05	664	407		855	495	123	452	315	468	582	492	728	508		
04	509	293	03	665	405		855	533	122	467	312	477	579	502	724	510	911	518
05	501	257		659	372		849	534										
06	496	321	03	650	444		839	502	111	430	303	458	527	492	718	500	906	512
07	487	373	02	638	465		826	507	096	447	289	458	560	463	708	477	897	495
08																		
09	497	366		647	465		834	521	110	467	292	466	560	491	706	498	894	505
10	497	380		648	474		834	557	098	480	288	487	553	502	699	510	885	521
11	503	372		654	458		842	507	109	483	297	512	560	532	703	539	887	546
12	512	278		670	359	03	863	513										
13	522	300	04	678	417		867	562	129	481	319	470	586	506	731	515	917	528
14																		
15	505	306	04	660	423		846	522	117	456	308	472	576	480	722	500	909	525
16	513	356	03	664	459		852	550	115	481	304	495	568	510	713	519	899	531
17	511	356	02	663	467		850	544	115	415	304	490	569	514	714	526	899	542
18	503	353	03	655	456		841	524	106	483	295	496	560	517	704	535	888	559
19	503	366	02	654	482		840	536	104	501	291	514	553	546	695	575	876	588
20	508	346		661	410		853	532	113	522	299	522	561	534	704	550	886	573
21	506	323	04	660	407	02	850	552	111	520	297	523	558	550				
22	490	332	03	643	450		830	561	095	475	284	498	547	533	690	555	872	568
23	476	348	02	630	435		818	514	084	486	273	484	537	527	681	538	865	550
24	486	363		638	450		826	505	094	471	284	475	551	493	696	520	881	552
25	486	382	01	637	460		827	476	098	458	288	488	553	515	696	527	881	541
26	501	309	02	656	435		844	567	107	496	295	513	557	531	700	542	884	558
27	493	378	02	643	481		830	538	092	518	279	527	540	546	686	510	872	549
28	494	353	02	647	443		833	600	090	511	277	539	536	551	678	569	859	592
29	496	328	04	649	455		835	600	091	538	276	534	536	549	678	562	860	580
30	497	388	02	648	473		833	603	090	544	274	559	530	585	670	603	849	610

Results of Radiosonde Observations,
WILKES – May, 1961

DAY	SURFACE			1000 MB.	900 MILLIBARS			850 MILLIBARS			800 MILLIBARS			700 MILLIBARS			600 MILLIBARS		
	PRESSURE	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO
	mb	°C × 10⁻¹	dg/kg	gpDm	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg
01	989	5105	15	574	073	5137	12	117	5138	12	163	5167	11	262	5240	06	373	293	02
02	976	5123	10	673	063	5094	08	107	5118	07	154	5125	13	255	5140	15	372	167	13
03																			
04																			
05	978	5049	22	662	066	5083	16	110	5116	13	157	5151	11	256	5227	07	368	310	04
06	978	5110	11	660	065	5123	10	108	5116	09	155	5136	06	265	5210		377	284	
07	987	5149	09	587	071	5147	10	114	5117		161	5127		261	5183		375	259	
08	988	5079	16	583	074	5087	07	118	5091		165	5104		267	5144	08	383	169	13
09	988	5067	17	586	073	5116	11	117	5151	10	162	5176	10	262	5223	07	373	312	03
10	994	5158		537	075	5213		117	5240		161	5259		258	5267		368	316	
11																			
12																			
13																			
14	978	5029	24	664	067	5080	15	107	5109	14	156	5128	14	258	5162	12	373	221	09
15	970	5029	20	726	061	5012	15	106	5052	13	154	5096	15	255	5190	10	368	264	06
16	964	5079	15	775	054	5128	11	097	5167	10	143	5180	09	242	5203	05	355	215	
17	979	5061	19	661	066	5112	15	110	5147	13	156	5173	10	254	5237	07	366	287	05
18	981	5057	16	637	068	5119	12	112	5150	10	157	5173	10	256	5226	07	368	281	04
19	978	5094	19	657	066	5109	16	110	5134	13	156	5154	12	254	5223	07	367	255	06
20	985	5073	20	605	071	5130	10	114	5153	09	160	5181	09	259	5227	07	371	282	05
21	990	5112	10	572	074	5159	09	117	5173	10	162	5189	09	261	5221	07	374	252	07
22	989	5112	08	579	073	5140	09	117	5168	09	162	5170	10	261	5232	07	372	318	03
23	985	5150	05	612	069	5164	06	112	5197	06	157	5207	05	256	5230	05	367	300	02
24	981	5180	06	631	066	5165	07	109	5178	06	154	5190	07	253	5216	06	365	281	03
25	983	5169	07	632	068	5169	07	110	5199	06	155	5230	05	254	5209	06	365	281	03
26	999	5106	11	006	081	5148	09	124	5183	08	169	5229	07	267	5219		379	278	
27																			
28																			
29	990	5150	08	571	074	5111		118	5130		164	5153	04	264	5208	06	382	262	05
30	992	5156	07	549	075	5169	06	117	5197	04	163	5137		263	5203	04	376	265	04
31	994	5164	08	535	075	5240	04	116	5273	04	159	5287	03	258	5262	04	368	304	

DAY	500 MILLIBARS			400 MILLIBARS			300 MILLIBARS		200 MILLIBARS		150 MILLIBARS		100 MILLIBARS		80 MILLIBARS		60 MILLIBARS	
	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE
	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	gpDm	°C × 10⁻¹	gpDm	°C × 10⁻¹	gpDm	°C × 10⁻¹	gpDm	°C × 10⁻¹	gpDm	°C × 10⁻¹
01	501	387		651	504		835	597	090	563	272	581	526	605	665	607	844	608
02	507	238	08	667	360	03	860	530	112	673	291	583	546	591	685	609	863	629
03																		
04																		
05	496	375	02	647	458		835	563	090	557	274	559						
06	506	356		659	450		846	579	104	537	289	542						
07	505	316		660	403		851	537	107	555	292	557	549	577	689	601		
08	518	240	07	677	372	03	869	541	121	621								
09	500	400	01	650	479		837	541										
10	496	383		648	459		835	537	099	501	286	518	547	550	688	571	869	601
11																		
12																		
13																		
14	504	327	03	658	460		845	540										
15	497	347	03	649	458													
16	487	313		642	420													
17	494	368	03	646	451		833	586	081	620	257	610	508	632	645	648	821	667
18	496	362	02	648	464		833	598	086	592	267	582	521	612	659	627	835	647
19	497	343	03	650	462		836	589	085	595	266	564	522	600	660	622	837	650
20	500	369	02	650	489		834	610	082	625	260	616						
21	505	292	05	661	495		844	629	093	617	271	618	521	652	656	663	829	680
22	498	421		646	534		827	611	079	603	258	618	507	647	643	664	816	690
23	494	403		643	504		826	599	078	610	270	638	505	647	640	681	811	718
24	494	323		644	498		828	578	083	596	262	627	509	680	642	702	812	730
25	493	369		644	490		829	609	083	610	260	639	505	705	637	725	805	751
26	508	339		663	422		851	558	100	678	275	666	519	683	652	698	823	715
27																		
28																		
29	512	343	04	665	455		851	593	102	600	283	585	536	619	674	641	848	672
30	506	352	02	658	468		843	595	095	601	275	603	526	630	663	643	838	661
31	496	389		647	453													

Results of Radiosonde Observations,
WILKES – Jun., 1961

DAY	SURFACE			1000 MB.	900 MILLIBARS			850 MILLIBARS			800 MILLIBARS			700 MILLIBARS			600 MILLIBARS		
	PRESSURE	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO
	mb	°C ×10⁻¹	dg/kg	gpDm	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	dg/kg	gpDm	−°C ×10⁻¹	dg/kg
01	984	5196	03	602	067	5213	04	110	5225	04	154	5225	05	252	5244	04	363	322	01
02	972	5217	05	699	058	5196	05	100	5215	05	145	5232	04	242	5272		352	338	
03	976	5193	06	673	062	5180	05	104	5160	06	150	5163		250	5193	07	363	257	06
04																			
05	997	004	39	512	083	5024	32	128	5059	26	176	5090	21	278	5143	15	393	231	07
06																			
07	010	5022	27	091	093	5022	31	138	5046	27	186	5068	26	289	5110	19	407	168	09
08	002	5129	09	027	085	5060		130	5076		177	5108		278	5155		394	197	
09	998	5211	03	506	077	5239	03	119	5253	03	163	5255	02	261	5257		371	285	
10	984	5157	08	572	072	5188	06	114	5217	05	159	5230	05	256	5285	04	366	296	
11	979	5112	14	653	065	5137	12	109	5167	10	154	5173	10	253	5218	08	365	259	05
12	988	5108	16	582	072	5152	10	115	5179	09	161	5200	08	259	5204	09	372	276	05
13	997	5201	06	512	078	5162	05	121	5194	05	166	5171	04	266	5218	05	378	283	04
14	994	5196	06	539	074	5253	04	116	5177	06	162	5156		262	5201		374	262	
15	999	5260	03	065	078	5135		121	5142		167	5158		267	5215		379	235	
16	007	5154	10	064	086	5165	07	129	5179	07	174	5176	08	274	5208	08	388	203	
17																			
18																			
19	979	5201	08	665	065			108	5128	05	154	5162	05	253	5239	04	364	323	02
20	983	5282	02	637	067	5248	02	109	5200	03	154	5189		252	5238		364	301	
21																			
22																			
23																			
24	983	5067	18	631	070	5089	17	114	5118	15	160	5150	13	260	5217	08	372	283	05
25	979	5178	06	650	065	5176	08	107	5172	06	153	5152		253	5201		366	273	02
26	987	5209	04	588	073	5243	05	115	5177	03	160	5179		261	5186		374	263	
27	984	5218	04	606	066	5234	05	108	5238	05	153	5191	08	252	5215	58	365	285	05
28	987	5139	10	588	079	5130	13	115	5138	13	161	5159	11	261	5199	09	374	261	05
29																			
30	982	5104	12	628	069	5084	13	113	5092	12	160	5118	08	261	5199	06	374	259	

DAY	500 MILLIBARS			400 MILLIBARS			300 MILLIBARS		200 MILLIBARS		150 MILLIBARS		100 MILLIBARS		80 MILLIBARS		60 MILLIBARS	
	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE
	gpDm	−°C ×10⁻¹	dg/kg	gpDm	−°C ×10⁻¹	dg/kg	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹
01	490	383		647	455		835	550	093	541	277	595	534	589				
02	478	414		628	471		816	522	079	527	264	540	521	594	660	618	837	649
03	494	312	04	650	417		838	563	091	587	272	577	526	612				
04																		
05	528	301	04	680	412		870	554	119	693								
06																		
07	514	260	04	699	397	02	888	560	138		310	696	553	662	685	752	853	724
08	527	290	03	683	404		872	568	118	727	290	659	537	684	670	693	842	706
09	501	349		653	465		839	563	094	586	274	611	525	643	661	660	835	681
10	494	378		645	471		831	581	085	577	266	600	517	640	653	656	827	677
11	495	352	03	647	456		833	593	084	620	263	607	515	630				
12	501	360	03	653	473		837	612	087	629	265	613	513	670	647	692	818	706
13	507	362	03	658	472		843	619	092	629	210	633	517	665	651	695	821	719
14	504	338		658	431		846	560	102	574	284	592	536	619	680	547		
15	512	268	03	659	392	02	860	539	112	661	291	591	544	628	681	640	856	655
16	521	290	04	677	396		869	540	121	627	300	596	553	635	690	652	864	677
17																		
18																		
19	490	403		640	480		825	577	078	608	257	607	510	603	648	623	824	651
20	491	383		642	464		829	560	084	600	263	618	512	652	647	667	820	682
21																		
22																		
23																		
24	500	397	02	649	506		831	631	079	629	257	626	506	648				
25	495	378	01	645	486		829	608	079	627	257	628	506	648	641	658	815	670
26	504	353		658	441		845	572	094	667	259	653	515	668	650	679	822	695
27	493	360	02	644	497		827	609	077	627								
28	504	362	03	654	495		838	607	086	672	259	686	501	703	633	719	801	739
29																		
30	504	355		655	485		839	611	090	623	267	635	541	670	648	694		

Results of Radiosonde Observations,
WILKES – Jul., 1961

DAY	SURFACE			1000 MB.	900 MILLIBARS			850 MILLIBARS			800 MILLIBARS			700 MILLIBARS			600 MILLIBARS		
	PRESSURE	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO
	mb	°C × 10⁻¹	dg/kg	gpDm	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	−°C × 10⁻¹	dg/kg
01	992	5108	10	550	076	5134	12	119	5147	12	165	5162	12	266	5187		379	270	02
02																			
03																			
04																			
05																			
06																			
07																			
08	000	5122	13	012	082	5131	11	125	5105	11	172	5133	06	273	5162	08	388	225	07
09	972	5045	23	713	062	5044	19	107	5083	17	154	5122	15	255	5178	10	370	210	09
10	976	5087	17	676	065	5078	18	109	5114	15	155	5153	11	255	5164	10	370	231	07
11																			
12																			
13	989	5108	16	573	073	5134	12	117	5156	11	162	5167	11	262	5230	07	373	316	03
14																			
15	974	5076	22	692	062	5119	15	106	5151	12	151	5169	10	251	5214	09	363	300	06
16																			
17	982	5133	11	644	068	5118		112	5137		158	5163		257	5249	03	367	315	01
18	992	5134	12	554	080	5101	16	124	5135	13	169	5140	13	269	5202	09	381	278	05
19	983	5143	11	617	068	5139	11	112	5158	12	157	5159	12	257	5229	06	368	320	02
20	991	5164	10	562	073	5226	06	115	5196	08	160	5203	05	258	5244		369	313	02
21	975	5207	07	702	060	5249	05	101	5209	06	146	5199	04	244	5253		355	336	
22	974	5291	01	729	058	5301	02	098	5326	02	141	5347	02	236	5293		345	342	
23	967	5233	03	737	054	5198	06	096	5		141	5241	04	238	5283	03	347	358	02
24	981	5244	03	627	064	5277	03	104	5287	33	149	5217	04	246	5258		356	336	01
25																			
26	976	5069	22	683	064	5107	13	108	5126	10	154	5148	08	254	5222	04	365	302	02
27	974	5122	12	691	061	5171	09	103	5206	07	148	5244	05	246	5270	04	354	332	02
28	981	5149	09	637	066	5195	07	108	5185	08	153	5213	07	251	5258	05	361	339	02
29	965	5108	14	761	055	5095	15	099	5131	11	145	5170	08	244	5255	05	354	338	02
30																			
31	981	5133	12	631	067	5141	08	110	5150	06	156	5165	07	255	5233	04	366	313	03

DAY	500 MILLIBARS			400 MILLIBARS			300 MILLIBARS	200 MILLIBARS			150 MILLIBARS		100 MILLIBARS		80 MILLIBARS		60 MILLIBARS	
	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE
	gpDm	−°C × 10⁻¹	dg/kg	gpDm	−°C × 10⁻¹	dg/kg	gpDm	−°C × 10⁻¹	gpDm	−°C × 10⁻¹	gpDm	−°C × 10⁻¹	gpDm	−°C × 10⁻¹	gpDm	−°C × 10⁻¹	gpDm	−°C × 10⁻¹
01	508	363		661	433		849	567	098	644	275	618	523	678	657	694	827	715
02																		
03																		
04																		
05																		
06																		
07																		
08	519	310	04	674	418		863	570	110	730								
09	502	316	04	656	432		840	590	085	712								
10	501	331	03	654	457		839	623	082	718	251	736	487	760				
11																		
12																		
13	500	395	02	651	453		837	598	085	648	260	675	502	714	634	723	802	735
14																		
15	491	402		640	510		824	587	075	631	251	650	495	715	626	738	793	770
16																		
17	494	411		642	522		822	659										
18	510	352	02	662	481		847	589	096	665	270	671						
19	494	395	08	645	468		831	673	078	656	252	670	495	700	628	718	796	740
20	496	393	10	645	487		829	625	077	648	262	658	496	710	627	736	795	770
21	481	417		630	483		814	621	061	659	235	681	475	735	606	752	771	778
22	470	470		617	522		800	586	051	671	224	692	462	755	591	765	756	778
23	472	432		618	547		800	617	049	653	222	687	462	740				
24	482	412		631	504		814	630	057	707	227	727	463	766	591	780	754	800
25																		
26	493	382		643	470													
27	481	405		629	514		812	609	061	663	234	702	472	756	600	789		
28	486	442		633	558		818	650	062	677	234	704	472	749	601	757		
29	479	443		625	578		802	644	047	679								
30																		
31	482	412		639	550		818	660	062	669	237	649	479	739				

Results of Radiosonde Observations,
WILKES – Aug., 1961

DAY	SURFACE			1000 MB.	900 MILLIBARS			850 MILLIBARS			800 MILLIBARS			700 MILLIBARS			600 MILLIBARS		
	PRESSURE	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO
	mb	°C × 10⁻¹	dg/kg	gpDm	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg
01	997	5233	04	510	078	5145		121	5158		167	5172		267	5206		379	264	
02	986	5158	09	593	070	5162	04	113	5150		159	5161		259	5199	07	372	261	05
03	996	5225	04	516	075	5252	03	117	5269	03	161	5204	03	260	5191		373	264	
04	976	5283	02	665	060	5217	04	102	5231		146	5253		243	5268		353	312	
05	964	5247	03	756	051	5248	03	093	5238	05	137	5258	04	233	5318	03	342	335	02
06	971	5173	08	706	058	5218	05	099	5250	04	143	5282	03	239	5300	01	348	334	
07	961	5203	06	786	049	5237	05	090	5265	04	135	5294	03	229	5295	03	340	312	02
08	958	5189	08	808	048	5190	07	090	5193	07	135	5207	07	233	5230	06	345	298	04
09	968	5238	04	770	055	5172	09	098	5183	08	143	5197	07	241	5247	05	352	292	
10	972	5133	09	704	060	5153	07	103	5177	07	148	5208	06	247	5234	05	358	312	03
11	973	5128	15	698	061	5138	12	104	5163	10	150	5190	09	248	5253	05	358	328	03
12	967	5067	20	750	057	5079	17	102	5110	16	148	5139	13	248	5203	09	361	293	04
13	988	5122	14	589	073	5117	14	116	5138	13	162	5159	11	262	5241	06	373	309	03
14	987	5082	20	645	070	5109	13	114	5131	12	160	5150	11	260	5193	09	374	239	06
15	981	5102	15	647	068	5088	16	112	5123	14	158	5158	11	258	5323	02	369	310	03
16	954	5055	20	890	047	5050	21	092	5095	17	139	5118	15	240	5184	10	353	262	02
17	977	5053	21	676	065	5085	71	109	5117	15	156	5150	13	255	5229	07	366	312	03
18	975	5106	16	696	063	5131	13	106	5159	11	152	5179	10	261	5227	07	372	292	04
19																			
20																			
21	979	5072	15	652	067	5102	10	110	5115	11	157	5145	09	257	5227	06	368	310	02
22	988	5132	10	581	072	5158	10	113	5187	08	158	5172	10	257	5236	05	368	320	01
23	989	5104	15	570	075	5071	13	119	5110	08	165	5151	05	265	5222		378	221	03
24																			
25	990	5041	18	566	076	5083	15	120	5113	15	166	5138	13	266	5216	07	378	291	04
26	002	5107	10	028	086	5037		131	5069		178	5103		280	5180		394	202	
27	998	5088	18	504	081	5119	15	124	5139	13	170	5150	12	271	5190	10	384	262	05
28	992	5067	20	550	077	5082	20	121	5094	18	166	5123	15	266	5200	08	379	280	04
29	997	5103	16	515	080	5121	10	124	5126	12	170	5137	14	270	5183	11	384	242	07
30	999	5069	17	005	082	5117	14	126	5149	13	171	5181	09	271	5230	05	383	275	04
31	999	5150	09	003	082	5083		126	5102		172	5123		274	5171	06	388	239	06

DAY	500 MILLIBARS			400 MILLIBARS			300 MILLIBARS		200 MILLIBARS		150 MILLIBARS		100 MILLIBARS		80 MILLIBARS		60 MILLIBARS	
	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE
	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	gpDm	°C × 10⁻¹	gpDm	°C × 10⁻¹	gpDm	°C × 10⁻¹	gpDm	°C × 10⁻¹	gpDm	°C × 10⁻¹
01	509	352	01	663	428		852	565	097	768	260	784						
02	502	349	03	654	464		838	617	084	691	254	722						
03	503	343		655	459		841	612	083	757								
04	480	397		629	505		814	568	065	656	238	701						
05	468	402		618	471		800	548	055	616	232	647						
06	474	405		624	474		810	552	067	579								
07	468	370		619	455		807	550	063	596	242	626						
08	472	405		621	494		807	560	061	607	239	641	484	702	616	721		
09	480	380		631	488		815	610	060	698	231	712	470	743	599	579		
10	485	403		633	525		814	658	052	587	230	694						
11	484	417		632	522		814	632	061	665	234	688	475	720	606	726		
12	488	406		636	536		817	612	066									
13	500	400		650	460		839	562	089	652	264	659	509	697	640	752		
14	505	325	03	659	448		845	616	086	750	254	760						
15	496	393	02	646	490		829	620	074	708	242	751						
16	483	340		617	455		822	582	071	671								
17	493	398	01	642	517		822	646	069	689	239	749	475	763	604	789		
18	499	388	02	649	512		832	617	075	737	242	772	472	815	597	628	756	855
19																		
20																		
21	495	410		642	538		823	632	066	717	235	744	469	783	595	809	760	841
22	494	405		644	502		826	628	069	734	236	765	467	807				
23	510	298	03	666	410		855	568	099	792	259	848						
24																		
25	507	360	02	658	490		842	610	089	692	260	723	496	767	624	777		
26	527	302		682	428		869	595	110	790	273	793	504	786	631	798		
27	513	352	02	665	451		854	646	107	635	282	674	523	735	654	748		
28	508	330	03	663	416		852	643	104	644	280	669	521	728				
29	515			669	447		855	670	099	693	272	697						
30	510	372	01	662	470		847	670										
31	519	310	04	674	419		863	587	106	769	271	792	502	786				

Results of Radiosonde Observations,
WILKES – Sep., 1961

DAY	SURFACE			1000 MB.	900 MILLIBARS			850 MILLIBARS			800 MILLIBARS			700 MILLIBARS			600 MILLIBARS		
	PRESSURE	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO
	mb	°C ×10⁻¹	dg/kg	gpDm	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	dg/kg	gpDm	−°C ×10⁻¹	dg/kg
01	984	5149	09	612	080	5124	05	113	5117		160	5135		261	5180		375	227	05
02	982	5097	15	627	068	5131	12	112	5149	12	157	5154	12	257	5213	08	369	297	04
03	989	5115	14	585	073	5141	11	116	5153	10	162	5172	10	261	5225	07	372	313	03
04	981	5136	11	632	068	5100	09	112	5105	08	158	5138	08	258	5209	05	371	262	05
05	975	5153	09	695	063	5093	07	107	5099	05	154	5097		256	5168		371	224	
06	974	5039	25	697	064	5055	14	108	5076	14	155	5113	13	257	5159	08	371	261	05
07	972	5049	26	696	062	5047	22	106	5079	15	153	5121	12	254	5200	07	366	273	04
08	994	5079	16	532	079	5100	12	122	5130	10	169	5148	10	269	5194	06	382	258	02
09																			
10	984	5028	26	618	071	5063	18	116	5092	16	162	5123	14	263	5190	10	376	262	06
11	987	5083	18	593	073	5092	15	117	5123	13	163	5165	10	263	5202	07	375	261	03
12	000	5145	10	012	080	5193	06	123	5192	06	169	5119	06	269	5152		384	233	
13	007	5169	07	064	086	5139	04	129	5138		175	5111		277	5138		393	188	
14	006	5128	10	058	086	5130	05	129	5134		176	5136	10	277	5142	14	393	200	05
15	992	5117	10	512	076	5106	09	112	5124	11	166	5138	13	267	5148	15	382	216	09
16	990	5116	13	574	074	5148	10	117			163			262	5192	09	376	240	07
17																			
18	978	5093	14	664	066	5118	13	109	5150	10	155	5172	09	254	5233	06	366	263	06
19	985	5117	11	603	067	5158	10	113	5177	09	158	5202	08	257	5207	09	370	280	04
20	991	5123	09	555	074	5178	08	116	5210	07	161	5208	07	260	5245	06	370	335	02
21	988	5178	18	581	071	5199	06	113	5213	06	158	5205	04	256	5255	05	366	313	03
22	979	5153	08	652	064	5212	06	106	5215	06	151	5196	04	250	5248		361	321	
23	976	5104	11	673	063	5157	10	106	5153	11	152	5178	09	251	5220	07	363	288	04
24	984	5101	17	613	070	5135	13	113	5157	11	159	5140	14	258	5171	08	391	282	04
25	985	5117	15	602	070	5140	12	113	5175	09	158	5199	08	297	5240	06	368	320	03
26	978	5147	12	658	064	5179	09	106	5200	08	151	5223	07	248	5256	05	359	321	03
27	983	5134	12	619	068	5180	08	110	5207	07	155	5227	06	253	5243	05	363	320	02
28	992	5232	04	547	074	5107	06	118	5122	06	164	5151	04	265	5194		378	249	
29	993	5200	05	540	076	5117		119	5141		165	5127		266	5167		381	239	05
30	983	5128	09	619	069	5106	05	113	5126		159	5139		260	5181		374	243	

DAY	500 MILLIBARS			400 MILLIBARS			300 MILLIBARS		200 MILLIBARS		150 MILLIBARS		100 MILLIBARS		80 MILLIBARS		60 MILLIBARS	
	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE
	gpDm	−°C ×10⁻¹	dg/kg	gpDm	−°C ×10⁻¹	dg/kg	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹	gpDm	−°C.×10⁻¹
01	507	313	02	661	436		848	588	090	765	257	738						
02	498	343	03	650	463		835	601	079	730	249	710	487	746	617	750		
03	499	403		648	514		830	612	076	711	246	728	483	750	612	760	778	772
04	501	352	02	652	482		835	626	080	720	248	743	483	765				
05	502	347	01	654	460		839	615	082	743	248	748	482	775				
06	500	364	02	651	487		834	595	078	721								
07	496	348	02	647	480		830	638	075	717	244	738						
08	512	313	02	667	428		854	590	097	757	263	772	495	795	620	835	779	829
09																		
10	506	348	03	659	462		843	603	095	598	276	562	531	622	667	669	840	683
11	505	348	01	657	462		842	609	095	586	274	620	523	654	659	665	822	680
12	516	339		669	460		856	552	109	638	284	653	528	692	661	694		
13	527	286		682	420		870	584	118	650	294	641	541	676	675	684	847	698
14	525	298	03	680	416		869	572	121	621	299	617	549	635	685	653	859	678
15	514	312	03	668	451		854	508	108	569	289	589	541	625	678	651	852	689
16	506	341	03	658	472		845	573	098	603	277	628	524	665	657	700	828	705
17																		
18	496	358	03	648	452		829	595	076	670	252	632	501	642	638	633		
19	498	387	01	649	485		833	627	076	710	245	733	484	707	617	690	790	670
20	498	376	02	649	487		833	614	075	746	242	750	477	753	606	741	775	725
21	493	393	02	638	492		822	620	067	703	237	721	475	746	604	748		
22	487	409		637	502		820	598	068	683	240	703	479	730	610	725	779	718
23	491	393	02	641	514		824	600	071	673	244	683						
24	499	385	02	649	498		831	626	076	691	246	720	483	764				
25	494	430		641	551		823	622	070	701	237	740	473	745	603	755	769	768
26	485	427		632	515		815	619	060	695	230	723	467	733				
27	490	410		638	515		822	599	067	700	237	747	471	765	599	771		
28	509	330		661	460		847	601	082	781	253	779	485	779	613	773	778	767
29	511	338	02	664	465		849	576	097	737	263	765						
30	504	341		656	454		843	587	087	752	252	773						

Results of Radiosonde Observations,
WILKES – Oct., 1961

DAY	SURFACE			1000 MB.	900 MILLIBARS			850 MILLIBARS			800 MILLIBARS			700 MILLIBARS			600 MILLIBARS		
	PRESSURE	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO
	mb	°C ×10⁻¹	dg/kg	gpDm	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	dg/kg	gpDm	−°C ×10⁻¹	dg/kg
01																			
02	966	5714	03	742	053	5250	02	094	5280	01	138	5258		235	5280		344	340	
03	972	5242	04	696	057	5259	04	099	5238	03	143	5249		239	5279		350	313	
04	972	5218	05	699	057	5260	04	099	5273	03	143	5228	02	240	5270		350	328	
05	973	5233	03	690	058	5252	03	100	5273	03	143	5283	02	239	5277	02	349	338	
06	974	5251	03	679	059	5250	03	100	5278	02	144	5307	02	239	5290	02	348	342	01
07	978	5248	03	656	062	5263	02	103	5298	02	146	5331	02	240	5279	03	349	352	
08	986	5187	06	597	068	5250	04	110	5267	03	153	5264	02	252	5180		365	253	
09	987	5209	06	604	069	5196	03	112	5169		158	5169		257	5198		371	358	01
10	983	5162	09	632	069	5148	07	112	5164	04	158	5180		257	5191		370	260	
11	977	5089	14	685	065	5107	11	109	5133	11	155	5153	12	255	5208	08	367	268	03
12	972	5072	20	721	061	5092	11	105	5127	10	151	5153	10	251	5178	11	365	258	05
13	985	5033	24	612	072	5061	16	117	5092	16	163	5127	14	264	5203	07	376	270	04
14	982	5072	18	638	069	5078	12	115	5079	08	160	5111	08	261	5200	05	374	259	03
15	976	5086	15	686	064	5112	14	108	5121	15	154	5160	12	254	5202	08	366	250	03
16	977	5089	13	678	064	5132	10	107	5153	10	153	5178	09	252	5212	07	365	273	02
17	977	5099	13	683	064	5150	10	107	5188	08	152	5190	08	251	5219	03	364	268	
18	981	5128	10	651	066	5168	08	109	5200	07	154	5234	06	252	5219	04	365	258	
19	988	5133	07	589	072	5164	07	115	5201	06	160	5167	05	260	5188		375	210	
20	977	5069	15	673	065	5115	13	108	5128	13	155	5144	13	255	5198	09	368	258	06
21	976	5050	21	685	064	5099	12	108	5121	12	154	5146	11	255	5202	08	367	276	04
22	968	5112	09	774	057	5118	08	101	5150	08	146	5185	07	245	5218	05	357	268	
23	968	5094	11	740	058	5121	08	101	5165	08	146	5210	06	245	5201	03	358	263	
24	978	5078	14	659	065	5138	12	108	5152		154	5170		254	5210		366	276	
25	973	5095	11	703	061	5150	09	104	5150	08	150	5154	04	250	5218	04	362	301	02
26	976	5062	23	680	064	5102	17	108	5137	13	154	5168	10	253	5246	06	363	342	02
27	986	5079	14	586	071	5151	11	114	5173	09	160	5190	07	258	5255	03	369	300	
28	984	5122	11	610	069	5157	08	112	5167	06	158	5167		258	5193		371	275	
29	984	5125	08	612	070	5101		114	5102		160	5123		262	5179		376	250	
30	985	5137	10	606	070	5102	07	114	5100		161	5107		263	5145	08	379	191	11
31	976	5059	15	680	065	5087		109	5113		155	5141		256	5163		371	217	

DAY	500 MILLIBARS			400 MILLIBARS			300 MILLIBARS		200 MILLIBARS		150 MILLIBARS		100 MILLIBARS		80 MILLIBARS		60 MILLIBARS	
	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE
	gpDm	−°C ×10⁻¹	dg/kg	gpDm	−°C ×10⁻¹	dg/kg	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹
01																		
02	470	413		620	456		808	550	061	650	233	715						
03	478	357		630	454		817	561	066	714	236	716	474	742				
04	477	399		626	490		811	600	056	701	227	722	465	734	596	740	764	716
05	475	418		623	505		806	607	053	681	224	725	462	706	594	711		
06	474	434		621	514		803	611	052	680	224	693	467	701	600	679	773	680
07	475	430		622	526		805	589	058	611	236	621	486	638	622	650	797	661
08	495	347		647	465		832	590	080	669	254	673	497	672	631	670	805	663
09	501	347	03	652	451		839	579	086	708	256	712	496	711	628	712	797	713
10	500	340		653	424		842	558	091	673	264	699	504	727	635	718	805	708
11	498	312		653	419		842	560	091	702	262	708	502	705	634	702	805	698
12	495	319	02	650	429		838	569	084	717	256	680						
13	505	360	01	657	460		843	581	093	648	268	650	515	656	651	651	826	648
14	505	310		661	395		851	552	101	677	276	636	526	623	664	603	844	579
15	497	319		652	412		841	560	089	705	261	671	506	643	644	610	824	568
16	494	342		647	447		834	572	082	694	254	693	497	652	634	617	814	568
17	494	348		646	454		833	561	085	620	262	652	510	647	647	625	825	599
18	495	305		653	358		847	500	101	667	279	615	530	623	668	622	846	620
19	508	281	05	664	398	02	854	551	106	608	286	608	537	600	676	607	854	617
20	498	308	04	654	420		844	545	094	686	267	678	511	666	647	651	822	637
21	497	305	03	652	400	01	843	549	091	688	264	663	510	653	647	628	827	527
22	487	332		642	422		831	557	081	652	256	658	502	650	638	629	816	600
23	488	343		641	451		828	583	076	662	251	647	500	603	640	593	821	559
24	495	362	01	647	476		832	611	081	633	258	628	509	601	649	577	831	548
25	490	389		639	518		821	607	071	638	248	629	500	588	641	573	824	552
26	488	435		636	517		820	583	074	612	253	596	507	577	648	565	831	550
27	497	386		647	489		832	579	085	612	253	623	515	595	655	589	836	581
28	500	341		654	450		841	579	092	639	268	639	519	596	659	594	839	592
29	506	334		660	439		848	570	098	628	277	632	526	633	663	612	843	583
30	513	279	06	669	400	02	860	558	108	659	284	625	535	627	673	595	854	602
31	503	292	05	659	416		848	565	097	674	273	633	523	610	662	588	845	538

Results of Radiosonde Observations,
WILKES – Nov., 1961

DAY	SURFACE			1000 MB.	900 MILLIBARS			850 MILLIBARS			800 MILLIBARS			700 MILLIBARS			600 MILLIBARS		
	PRESSURE	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO
	mb	°C ×10⁻¹	dg/kg	gpDm	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	dg/kg	gpDm	−°C ×10⁻¹	dg/kg
01	967	5074	15	749	058	5103	13	103	5123	12	149	5146	11	248	5184	09	364	230	
02	977	5046	25	669	066	5069	21	110	5100	19	157	5103	19	258	5166	12	373	237	07
03	988	5033	29	585	074	5075	23	119	5101	19	165	5111	18	267	5184	10	381	240	03
04	982	5061	20	634	069	5081	09	113	5090	09	160	5115	08	261	5178	04	376	201	
05	986	5068	17	597	072	5125	13	115	5154	11	161	5167	11	261	5180	04	374	253	
06	982	5086	16	632	068	5138	12	111	5171	10	157	5167	08	257	5177		371	246	03
07	973	5121	15	696	061	5130	10	105	5137	07	151	5130	04	252	5165		366	231	
08	983	5093	15	619	068	5175	07	111	5139		157	5145		258	5181		372	251	
09	991	5089	17	561	075	5139	07	118	5172	04	164	5175	04	264	5169	11	380	183	12
10	980	5079	16	649	067	5121	10	110	5152	10	156	5176	09	256	5199	07	369	269	04
11	975	5092	15	685	063	5141	11	106	5156	07	152	5160		251	5208		364	274	
12	983	5103	12	624	070	5089		114	5109		161	5130		261	5178		375	230	
13	994	5089	16	533	078	5107	08	122	5102		169	5088		272	5140		387	202	
14	980	5094	17	645	069	5104	08	111	5130		157	5159		257	5149	04	373	188	09
15	984	5061	21	613	070	5120	12	114	5156	11	159	5193	08	258	5225	05	370	252	
16	991	5056	16	561	076	5121	10	119	5149	06	165	5169		265	5201		378	250	
17																			
18	968	000	36	745	059	5020	18	105	5066	17	152	5102	16	253	5186	10	366	278	05
19	974	5017	26	697	064	5055	14	108	5080	08	155	5113	06	256	5189		369	258	
20	965	5013	32	774	056	5051	23	101	5083	17	148	5118	12	249	5180	06	362	252	03
21	979	5001	24	659	068	5047	13	113	5081	10	160	5114	06	261	5189		374	270	
22	974	5037	27	703	063	5082	15	107	5075	07	154	5098		256	5172		370	249	
23	988	5032	24	585	074	5062	15	119	5070		166	5105		267	5182		382	210	
24	995	5050	20	525	079	5100	14	123	5113	06	170	5109		272	5159		387	200	08
25																			
26	989	5001	32	575	076	5049	25	121	5078	21	168	5110	17	269	5183	11	382	269	05
27	988	5002	29	587	075	5069	19	119	5101	16	166	5132	14	266	5200	09	379	277	03
28	973	5001	25	707	063	5051	18	108	5069	15	155	5109	14	256	5161	13	371	207	09
29	975	5010	29	689	064	5067	18	109	5102	15	155	5132	14	256	5151	15	371	226	09
30	977	5013	29	675	066	5036	17	111	5074	17	158	5117	14	259	5191	09	372	259	05

DAY	500 MILLIBARS			400 MILLIBARS			300 MILLIBARS		200 MILLIBARS		150 MILLIBARS		100 MILLIBARS		80 MILLIBARS		60 MILLIBARS	
	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE
	gpDm	−°C ×10⁻¹	dg/kg	gpDm	−°C ×10⁻¹	dg/kg	gpDm	−°C ×10⁻¹	gpDm	−°C × 10⁻¹	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹	gpDm	−°C.×10⁻¹
01	493	319		648	432		836	583	088	602	269	561	531	495	678	467	870	430
02	504	325	03	658	433		847	547	105	515	292	513	559	461	708	436	901	439
03	513	291		669	418		859	550	114	534	301	504	567	467	716	454	908	437
04	509	296		665	418		854	569	106	583	290	521	557	466	706	435	900	420
05	505	327		659	459		844	598	096	595	277	585	536	522	681	497	871	463
06	502	344	02	654	471		840	578	093	602	273	576	544	481	693	440	888	398
07	498	308	03	653	435		840	587	092	600	273	570	532	519	678	461	872	434
08	502	336		655	442		843	557	099	597	277	629	528	600	668	570	853	506
09	514	257	07	674	374	03	865	534	119	612	299	572	553	615	691	600	872	580
10	498	352	02	645	459		833	542	089	588								
11	492	377		643	472		831	540	086	585	268	578	527	534	671	573	859	485
12	507	308		662	425		850	568	160	627	278	613	534	545				
13	519	290		676	374	01	868	540	121	600	301	594	557	587	696	570	880	518
14	506	280	05	663	399	01	853	546	109	545	294	562	551	543	694	545	878	548
15	501	314		656	410		846	548	104	530	289	539	549	540	692	539	875	536
16	509	325		663	425		850	580	103	616	280	619	533	584	674	564	857	539
17																		
18	494	379	02	644	495		832	525	092	549	276	561	535	534	679	524	865	572
19	500	323		654	442		841	551	098	562	280	566	538	511	864	488	874	475
20	493	340		646	430		837	480	106	463	296	458	568	440	717	445	909	450
21	503	339		658	403		849	514	114	483	306	447	578	450	727	451	920	440
22	501	300		657	384		851	484	114	502	303	486	571	455				
23	515	268		673	381		864	541	121	512	309	498	575	480	722	472	913	463
24	520	279	05	677	389	02	869	532	132	488	322	475	590	488				
25																		
26	511	368	02	661	494		846	553	108	501	297	487	565	468	713	459	905	450
27	508	356	02	660	455		847	549	107	522	294	509	561	466	710	449	903	428
28	503	308	04	658	432		846	567	103	528	290	512	557	456	707	439	901	417
29	502	321	04	656	446		844	557	102	523	288	516	555	441	705	419	901	394
30	502	336	03	655	455		842	561	100	522	288	471	560	432	710	421	905	406

Results of Radiosonde Observations,
WILKES – Dec., 1961

DAY	SURFACE			1000 MB.	900 MILLIBARS			850 MILLIBARS			800 MILLIBARS			700 MILLIBARS			600 MILLIBARS		
	PRESSURE	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO
	mb	°C ×10⁻¹	dg/kg	gpDm	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	dg/kg	gpDm	−°C ×10⁻¹	dg/kg
01	982	5021	25	634	070	5079	19	114	5158	11	160	5180	10	260	5221	06	373	301	02
02	984	5042	20	618	071	5093	15	115	5128	13	161	5164	10	260	5209	08	373	270	03
03	982	5017	26	634	070	5069		114	5102		161	5148		260	5212		373	258	
04	988	5028	23	587	074	5090	13	118	5117	09	164	5132		265	5174		380	223	
05	988	5027	16	586	075	5080	11	119	5120	10	165	5163	09	264	5249	06	376	274	02
06	983	5051	18	622	061	5095	10	109	5121	07	151	5167	06	251	5207		364	277	
07	978	5027	16	668	067	5048		114	5075		158	5113		260	5154		375	230	
08	976	5034	26	681	065	5063	20	110	5088	18	156	5115	16	258	5176	11	372	222	08
09	993	5005	29	542	079	5081	16	123	5103	15	169	5130	12	270	5188	07	383	260	05
10	982	5022	27	633	070	5056	16	115	5078		162	5093		264	5138		380	204	
11	980	5013	24	648	068	5075	07	113	5088		160	5100		262	5152		377	217	
12	983	5018	23	628	071	5074	08	115	5097	06	162	5127	05	263	5170		378	224	
13	983	5022	25	623	070	5086	15	115	5106	06	161	5130		262	5184		375	254	
14	983	5031	29	622	071	5068	18	115	5101	15	162	5137	13	262	5215	08	374	305	04
15	974	5006	28	695	064	5054	10	108	5087	08	155	5120	06	256	5188	03	369	275	02
16	980	5007	30	650	068	5068	13	113	5090	07	160	5111		261	5185		374	264	
17	983	5017	23	626	070	5087	18	115	5107	12	161	5121	07	262	5184		376	265	02
18	975	5025	22	690	064	5090	17	108	5100	15	155	5133	12	255	5210	08	368	269	
19	976	5023	23	684	065	5086	18	109	5095	13	156	5118	06	257	5177	04	371	247	03
20	978	5008	23	664	067	5071	17	111	5090	05	158	5112		259	5170		373	245	
21	983	5011	27	628	071	5067	16	115	5104	15	162	5120	11	263	5176	11	377	239	07
22	982	5014	30	635	071	5039	24	116	5072	22	162	5107	18	264	5170	12	378	245	06
23	979	5022	29	654	068	5037	28	113	5074	21	160	5094	19	262	5160	11	377	227	07
24	987	008	32	592	075	5052	23	119	5089	18	166	5127	14	266	5201	09	378	290	04
25	987	000	28	593	074	5061	21	119	5100	17	165	5138	13	266	5195	05	379	289	04
26	985	5030	22	614	072	5068	16	117	5096	13	163	5133	09	263	5213	06	375	284	02
27	986	5004	26	598	073	5069	15	118	5094	08	164	5131	08	265	5200	04	377	273	
28	984	5017	24	620	071	5078	16	116	5113	16	162	5146	10	262	5201	04	375	259	
29	979	5011	24	660	068	5074	18	112	5118	14	158	5141	08	259	5184		372	253	
30	963	5019	24	788	056	5019	13	102	5052	13	149	5097	14	250	5187	08	363	269	05
31	967	010	28	756	058	5041	10	103	5069	08	150	5103	09	251	5171	04	365	247	03

DAY	500 MILLIBARS			400 MILLIBARS			300 MILLIBARS		200 MILLIBARS		150 MILLIBARS		100 MILLIBARS		80 MILLIBARS		60 MILLIBARS	
	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE
	gpDm	−°C ×10⁻¹	dg/kg	gpDm	−°C ×10⁻¹	dg/kg	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹
01	503	352	02	655	468		841	571	101	495	291	471	564	409	716	401	912	393
02	502	359	01	654	451		841	541	104	481	296	427	571	429	721	419	916	408
03	503	344		656	455		844	524	109	452	302	430	577	407	729	400	926	392
04	511	320		656	421		858	473	124	493	313	469	583	430	735	393	932	391
05	506	334		661	406		853	499	120	455	312	453	582	453	732	442	925	428
06	493	352		646	426		837	470										
07	507	299		663	317		864	458	129	500	318	477	588	446	738	438	931	430
08	505	299	04	662	387	02	856	466	127	438	319	444	590	438	741	435	936	390
09	514	332	01	668	425		858	521	122	494	311	477	581	436	731	444	926	388
10	513	307		668	394		860	529	120	500	310	467	579	451	728	443	921	433
11	509	315		664	421		853	548	117	473	308	459	579	438	729	433	923	428
12	509	317		664	429		853	549	117	453	310	447	584	415	735	412	931	408
13	506	338	01	659	441		847	549	113	453	305	447	579	408	731	405	927	400
14	501	380		652	461		841	520	106	483	298	437	573	397	725	405	921	411
15	498	375		649	464		838	530	101	475	293	415	570	386	723	390	920	381
16	504	355		657	456		844	554	106	492	296	445	573	368	727	368	926	367
17	506	350		658	455		847	547	112	487	303	457	575	417	727	389	926	361
18	497	360		649	457		838	537	102	488	293	448	569	395	722	388	919	377
19	501	333	01	654	447		842	560	103	490	293	450	567	398	720	390	912	380
20	503	341		656	461		842	571	104	483	295	461	569	403	721	392	919	378
21	508	317	04	662	425		851	545	115	457	307	450	579	440	729	424	924	403
22	509	320	03	664	417		853	520	119	461	311	449	583	435	733	431	927	427
23	508	330	03	662	425		853	488	120	470	311	459	583	432	733	420	928	402
24	507	351	03	659	460		844	548	108	472	300	442	576	386	729	381	927	377
25	506	378	02	657	469		843	586	103	495	294	428	572	374	726	370	925	363
26	504	367	02	655	480		840	581	100	496	290	449	565	381	720	378	919	368
27	507	349		659	454		845	563	107	492	298	441	573	394	727	368		
28	505	340		658	448		847	531	109	477	301	435	576	400	729	387	927	370
29	503	338		656	440		844	532	109	466	302	431	577	400	730	389	928	373
30	494	307	04	649	427		837	567	100	478	292	433	567	404	719	395	916	389
31	495	331	02	649	431		839	549	099	474	291	435	567	380	721	370	920	359

Results of Radiosonde Observations,
WILKES – JAN., 1961

Observations. 2300 Hours

DAY	SURFACE			1000 MB.	900 MILLIBARS			850 MILLIBARS			800 MILLIBARS			700 MILLIBARS			600 MILLIBARS		
	PRESSURE	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO
	mb	°C ×10⁻¹	dg/kg	gpDm	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10-1	dg/kg	gpDm	°C ×10⁻¹	dg/kg	gpDm	−°C ×10⁻¹	dg/kg
01	979	5003	33	659	068	5058	24	113	5060	25	160	5076	23	263	5143	14	379	165	13
02	984	000	34	620	072	5038	29	117	5063	26	164	5088	23	267	5140	16	382	211	08
03	989	005	36	580	076	5027	25	121	5056	23	169	5086	22	271	5140	16	387	180	12
04	984	5003	23	617	073	5006		118	5023		166	5042		270	5112		387	173	
05	979	5016	26	660	068	5047	19	112	5070	17	159	5094	14	262	5112	09	378	187	06
06	984	001	24	621	072	5034	19	117	5071	17	164	5109	16	265	5182	11	380	219	09
07	978	021	26	671	067	5018	17	113	5023	18	160	5068	17	263	5152	14	378	230	08
08	986	023	38	600	073	5030	27	118	5062	23	165	5093	20	267	5172	11	381	254	06
09	990	016	27	553	079	5040	21	124	5074	20	170	5110	19	272	5173	10	384	267	05
10	990	5006	26	568	076	5064	20	121	5098	19	167	5134	15	268	5173	12	383	218	05
11	989	5013	27	568	076	5		120	5		167	5115		268	5174		382	243	
12	989	5011	35	577	075	5073	22	120	5106	17	166	5143	13	269	5179	09	381	236	05
13	986	017	23	602	075	5020	17	120	5060	16	167	5102	15	268	5183	11	383	208	10
14	984	008	23	618	072	5029	17	118	5060	15	164	5091	16	266	5171	12	381	234	07
15																			
16	978	5012	32	670	067	5059	18	116	5086	18	158	5111	18	260	5176	12	374	252	07
17	982	067	33	634	071	5049	24	115	5083	19	162	5104	18	264	5174	10	378	248	07
18	993	5004	31	541	080	5042	20	124	5072	20	172	5104	12	273	5193	18	376	242	05
19	992	5023	31	566	078	5063	23	123	5080	20	166	5113	14	271	5190	10	384	270	05
20	990	5011	27	568	076	5063	17	121	5080	15	168	5110	12	269	5186	07	382	265	05
21	993	5030	23	549	078	5073	15	123	5093	10	169	5108	09	271	5173	05	385	228	03
22																			
23																			
24	984	006	06	615	072	5059	21	117	5087	16	154	5110	15	265	5157	13	380	228	06
25	989	5014	30	574	076	5071	20	120	5105	16	166	5133	15	267	5184	10	380	260	05
26	983	5008	24	629	070	5080	15	115	5107	16	161	5138	15	262	5165	10	377	233	04
27																			
28	965	006	40	862	059	5037	24	102	5068	20	149	5095	15	251	5154	07	365	231	04
29	994	006	40	534	080	5050	26	125	5069	23	172	5099	19	274	5172	11	387	260	06
30	986	039	19	603	075	5016	13	121	5016	10	169	5047	08	273	5117	06	389	177	05
31	977	5006	27	677	066	5043	16	111	5049	13	159	5056		262	5122		379	220	06

DAY	500 MILLIBARS			400 MILLIBARS			300 MILLIBARS		200 MILLIBARS		150 MILLIBARS		100 MILLIBARS		80 MILLIBARS		60 MILLIBARS	
	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE
	gpDm	−°C ×10⁻¹	dg/kg	gpDm	−°C ×10⁻¹	dg/kg	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹
01	514	252	07	672	379	02	864	517	134	407	330	407	605	404	758	387	956	355
02	515	273	03	672	400	02	863	522	133	417	328	445	603	424	755	410	951	390
03	522	255	06	690	367	01	873	514	135	461	328	418	603	414	755	402	952	393
04	521	273		678	400		869	493	136	455	330	427	605	412	757	404	953	392
05	512	275		668	399		860	485	130	431	352	410	602	398	755	391	952	372
06	512	298	05	667	416		858	508	127	418	323	406	601	365	756	349	958	330
07	509	307	04	665	404		854	563	123	420	318	400	597	369	752	370	951	361
08	510	337	03	664	415		853	557	121	419	317	403	595	377	749	382	947	372
09	514	323	02	668	435		857	521	127	422	322	406	599	379	752	386	950	373
10	514	312		670	395		863	495	131	430	326	402	603	395	753	368	957	370
11	513	333	02	667	445		857	471	129	417	325	403	602	390	756	383	954	368
12	513	282	04	670	374	02	864	510	129	432	323	412	599	387	753	380	952	348
13	516	270	06	674	384	02	867	520	130	474	323	422						
14	512	292	04	670	390	01	862	512	127	441	321	426	596	404	748	399	945	388
15																		
16	505	310	04	660	417		850	532	119	408	316	400	594	384	747	372	947	358
17	509	320	04	665	395	02	854	541	121	420	317	403	596	370				
18	508	289		665	396		856	540	117	465	310	421	586	390	745	325	944	326
19	514	335	03	669	415		879	423										
20	511	328	03	665	418		870	531	123	427	318	406	597	372	751	365	951	355
21	511	291		674	413		865	517	133	453	326	429	601	407	753	397	950	384
22																		
23																		
24	513	284	02	670	362		864	498	128	465	322	423	598	392	751	377	950	370
25	511	320	03	666	417		856	510	125	440	318	426	594	403	747	383	945	370
26	508	300	04	664	397	02	855	516	126	407	322	405	600	403	751	395	949	384
27																		
28	496	290	02	649	434		840	421	117	380	315	387	593	389	745	386	943	375
29	517	327	03	672	421		860	565	129	427	324	411	600	394	753	403	950	375
30	523	263	05	692	353	03	878	448	144		336		610	392	764	377	963	358
31	510	283	05	667	377	03	860	487	136	440	324	418	600	395	753	360	952	367

Results of Radiosonde Observations,
WILKES – Feb., 1961

DAY	SURFACE			1000 MB.	900 MILLIBARS			850 MILLIBARS			800 MILLIBARS			700 MILLIBARS			600 MILLIBARS		
	PRESSURE	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO
	mb	°C ×10⁻¹	dg/kg	gpDm	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	dg/kg	gpDm	−°C ×10⁻¹	dg/kg
01	986	5028	16	604	073	5073	16	117	5109	14	164	5109	16	265	5152	04	381	167	12
02																			
03																			
03	979	006	23	661	066	5027	17	111	5058	15	159	5092	16	260	5175	10	374	262	06
04	991	5006	27	564	077	5061	16	122	5093	15	168	5116	14	269	5194	09	382	271	02
06	993	000	29	548	080	5052	18	124	5070	18	172	5110	17	273	5174	26	387	250	06
07	988	5006	26	504	083	5060	17	127	5098	17	174	5097	09	274	5141		391	213	07
08	997	5013	32	511	082	5079	19	126	5115	16	172	5150	13	273	5171	10	387	239	04
09	998	5011	22	504	083	5061	14	127	5101	13	174	5143	12	274	5164	11	389	230	08
10																			
11	990	000	25	568	077	5018		124	5079	20	168	5110	16	270	5180	11	383	257	05
12	995	008	31	530	081	5048	24	126	5079	20	172	5111	10	273	5183	11	387	231	07
13	991	5032	23	559	077	5076	19	122	5073	17	169	5102	11	271	5138	05	387	208	04
14	976	5021	21	683	065	5044	17	110	5061	16	158	5095	16	260	5153	13	375	237	07
15	990	5028	25	569	076	5093	19	125	5100	18	172	5117	14	273	5170	06	388	224	02
16	998	5082	15	516	081	5095	07	126	5096	03	172	5110	03	274	5144	03	390	249	02
17	001	5081	13	020	083	5107	09	128	5078	04	175	5087	04	277	5143	03	392	217	09
18	000	5090	12	001	083	5068	04	128	5069	04	175	5088	04	275	5143	03	391	221	02
19	003	5040	11	004	087	5078		132	5061		179	5078		283	5073		403	121	12
20	007	5017	21	007	090	5087	12	134	5119	13	181	5116	17	283	5143	15	400	180	12
21	015	5022	32	013	096	5058	22	141	5054	25	189	5072	26	293	5068	28	412	120	21
22																			
23	001	5023	27	002	085	5051	28	129	5097	21	176	5103	20	279	5162	08	395	189	
24	995	5027	24	532	080	5083	19	124	5073	15	172	5077	12	275	5106	19	393	160	14
25	991	000	29	564	078	5008	28	124	5042	23	171	5077	19	274	5105	18	392	165	12
26																			
27	987	5029	24	597	075	5043	21	119	5074	20	166	5107	18	267	5181	11	381	239	07
28	962	5022	20	799	054	5053	15	099	5082	14	146	5099	13	247	5138	13	363	210	06

DAY	500 MILLIBARS			400 MILLIBARS			300 MILLIBARS		200 MILLIBARS		150 MILLIBARS		100 MILLIBARS		80 MILLIBARS		60 MILLIBARS	
	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE
	gpDm	−°C ×10⁻¹	dg/kg	gpDm	−°C ×10⁻¹	dg/kg	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹
01	517	260	06	676	349	03	871	496	136	472	329	438	604	394	757	397	954	389
02																		
03																		
03	503	332	03	657	422		847	525	118	417	314	403	591	394	744	391	942	388
04	511	370	02	661	482		847	516	118	429	313	407	590	390	743	404	940	391
06	517	340	03	670	445		858	529	123	449	317	426	592	407	744	399	941	390
07	523	321	04	677	439		865	524	131	453	323	416	596	417				
08	518	302	02	674	383	01	866	529	128	460	320	439	594	423	745	419	940	415
09	520	308	04	675	420		865	539	131	441	325	417	598	428	749	427	943	427
10																		
11	513	335	02	667	446		855	500	126	421	321	410	596	428	747	426	941	423
12	518	311	04	673	406		862	540	126	478	317	457	588	406	739	430	933	428
13	519	308	02	675	400		866	479	132	435	326	427	600	426	751	422	946	418
14	507	283	05	665	375	02	857	509										
15	520	298	01	676	396		867	529	137	424	331	420	606	415	757	418	952	421
16	520	292	01	680	361	01	874	493	140	450	333	448	604	444	754	438	948	429
17	525	284	05	682	395	02	875	491	143	452	335	440	607	434	757	432	951	431
18	524	289	01	682	359	01	875	514	141	462	335	449	605	438	754	452	946	447
19	541	188	09	704	288	05	906	414	170	539	358	487	625	468	774	453	967	441
20	534	259	04	693	334		888	492	152	507	341	478	609	480	757	457	948	440
21	550	198	12	711	323	04	908	464	153	558	354	507	618	488	765	480	955	470
22																		
23	528	280		686	375		879	502	146	460	339	442	610	439	760	440	953	441
24	528	246	17	687	365	16	881	516	139	491	330	467	601	439	752	423	946	436
25	527	247	16	685	372	13	878	523	136	506	325	458	596	442	746	443	939	441
26																		
27	511	313	04	662	410		853	503	121	426	315	432	588	440	739	428	932	443
28	496	301	03	651	412		843	483	117	391	314	405	590	413	741	413	937	414

Results of Radiosonde Observations,
WILKES – Mar., 1961

DAY	SURFACE			1000 MB.	900 MILLIBARS			850 MILLIBARS			800 MILLIBARS			700 MILLIBARS			600 MILLIBARS		
	PRESSURE	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO
	mb	°C ×10⁻¹	dg/kg	gpDm	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	dg/kg	gpDm	−°C ×10⁻¹	dg/kg
01	981	5026	26	646	069	5050	23	114	5081	19	161	5109	17	262	5180	09	376	244	06
02	994	5016	31	536	079	5065	15	124	5104	13	170	5135	11	271	5195	06	384	268	05
03	985	5067	16	613	063	5135	12	112	5088	07	158	5100	03	260	5166	03	374	259	01
04	991	5061	16	563	076	5120	14	119	5154	12	165	5151	09	265	5189	02	379	229	06
05	986	5044	20	601	072	5098	15	116	5130	13	162	5153	10	262	5183	03	376	228	
06	975	5078	18	686	064	5107	09	107	5139	08	153	5158	07	253	5210	04	365	260	
07	975	5068	16	684	063	5120	10	106	5164	09	152	5191	08	251	5214		363	270	
08	980	5068	17	648	067	5130	13	110	5130	13	156	5153	09	256	5217	03	368	272	
09	980	5104	15	642	067	5121	05	110	5142	04	156	5147	04	256	5190		360	248	
10																			
11	976	5006	30	679	066	5045	27	110	5070	25	151	5102	20	259	5173	11	373	262	06
12	988	5017	34	582	075	5058	24	120	5086	20	167	5115	17	268	5187	10	380	282	05
13	987	5058	21	592	073	5085	18	117	5116	16	164	5127	15	264	5198	09	377	282	05
14	983	5056	22	628	070	5103	15	114	5120	14	160	5145	13	260	5201	08	372	283	04
15																			
16	982	5051	22	636	069	5107	16	113	5139	13	158	5168	11	257	5219	07	369	290	04
17	986	5061	19	603	072	5121	14	115	5150	11	161	5185	08	259	5241	05	370	311	03
18	982	5058	18	630	070	5112	14	114	5150	11	160	5183	09	258	5268	05	368	273	05
19	969	5088	15	750	059	5097	10	102	5131	09	148	5169	08	247	5249	06	358	306	03
20	970	5028	29	733	060	5050		105	5076	13	152	5103	12	254	5172	10	368	263	06
21	981	5033	22	641	069	5080	15	113	5110	16	159	5141	13	260	5181	10	373	263	05
22	984	5074	17	619	070	5118	09	114	5139	10	160	5163	12	260	5193	09	372	283	03
23	977	5059	19	674	066	5072	12	110	5106	09	156	5141	08	253	5210	08	369	276	05
24	980	5050	22	557	068	5059	14	112	5097	12	158	5134	12	259	5210	08	371	265	06
25	979	5018	32	661	068	5056	25	113	5085	22	159	5112	18	261	5170	09	375	255	06
26																			
27	988	5021	31	587	074	5076	22	119	5101	19	165	5128	16	266	5180	10	380	259	06
28																			
29	995	5033	30	528	080	5065	24	125	5095	20	171	5107	19	273	5176	11	386	255	06
30	005	5072	19	051	086	5141	12	130	5120	06	176	5122		277	5154		393	195	06
31	005	5071	22	051	087	5083	19	131	5106	17	178	5093	20	281	5104	21	399	148	16

DAY	500 MILLIBARS			400 MILLIBARS			300 MILLIBARS		200 MILLIBARS		150 MILLIBARS		100 MILLIBARS		80 MILLIBARS		60 MILLIBARS	
	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE
	gpDm	−°C ×10⁻¹	dg/kg	gpDm	−°C ×10⁻¹	dg/kg	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹
01	507	319	03	662	437		852	489	124	418	319	421	593	426	744	432	937	440
02	515	338	02	668	443		857	501	127	436	321	430	595	426	745	438	938	455
03	504	333		658	433		848	468	120	432	315	427	589	420	739	433	932	450
04	511	303	04	667	400	01	858	519	125	447	318	440	590	457	740	431	933	451
05	509	288		665	407		856	523	112	442	306	436						
06	496	321		651	413		840	520	108	440	301	432	575	424	725	428	919	436
07	492	345		644	456		832	528	100	443	249	435	566	435	717	436	910	438
08	497	347		650	441		838	550	105	440	298	443	570	428	721	432	914	438
09	490	324		646	405		837	483	105	473	296	470	565	466	713	465	904	465
10																		
11	502	364	03	653	455		842	448	113	423	307	426	581	423				
12	509	360	02	661	458		848	556	113	472	304	450	576	446	725	448	918	446
13	505	362	02	657	457		844	573	105	478	296	458	568	436	718	442	910	451
14	501	359	02	653	456		839	575	103	457	294	452	566	441				
15																		
16	497	388	02	646	494		833	536	100	452	292	446	563	445	713	449	905	450
17	497	392	02	647	479		836	493	105	453	297	460	566	463	714	469	905	472
18	497	357	02	649	451		839	468	111	439	304	447	574	457	722	467	913	479
19	484	381		635	448		827	444	099	431	292	437	563	469	711	470	901	472
20	498	346	03	651	437		840	557	103	461	294	470	562	480	709	490	898	499
21	504	333	03	658	424		849	522	110	498	284	481	566	492	712	498	900	506
22	502	333	02	656	413		848	513	111	490	300	478	568	478	715	482	904	489
23	500	313	04	655	417		845	533	113	433	305	453	574	472	722	477	911	482
24	501	359	03	652	461		839	508	108	460	299	473	566	485	713	482	903	479
25	505	356	03	657	451		846	528	114	425	308	457	576	480	723	481	912	483
26																		
27	509	340	03	664	402	01	858	460	125	468	316	475	582	501	727	523	913	521
28																		
29	516	340	03	670	427		859	526	125	454	316	485	584	479	730	503	917	498
30	527	252	07	686	322	04	882	450	144	532	329	525	591	538	735	505	922	522
31	536	180	14	699	370	03	898	454	156	635	336	552	596	534	740	522	927	520

Results of Radiosonde Observations,
WILKES – Apr., 1961

DAY	SURFACE			1000 MB.	900 MILLIBARS			850 MILLIBARS			800 MILLIBARS			700 MILLIBARS			600 MILLIBARS		
	PRESSURE	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO
	mb	°C ×10⁻¹	dg/kg	gpDm	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	dg/kg	gpDm	−°C ×10⁻¹	dg/kg
01																			
02	994	5065	21	539	081	5094	15	125	5098	12	171	5171	12	272	5204	08	384	287	04
03	991	5056	21	569	076	5090	16	120	5111	16	166	5142	13	266	5192	09	380	230	07
04	983	5088	15	625	069	5143	11	112	5149	08	158	5116	05	260	5153		375	210	
05	981	5112	10	635	067	5161	10	110	5153	07	156	5127		257	5166		372	234	
06	984	5161	08	623	068	5209	07	110	5239	05	154	5273	06	252	5202		366	225	
07	970	5142	09	729	058	5166	06	101	5203	05	145	5235	05	243	5228		355	263	
08	974	5089	18	690	061	5120	12	105	5149	11	150	5182	09	249	5234	06	360	325	03
09	984	5096		611	070	5135		130	5164		158	5195		258	5248		368	299	
10	984	5122	10	612	069	5156	10	118	5128	14	157	5188	07	255	5277	04	366	295	
11	995	5153	06	529	077	5150	08	120	5178	07	166	5193	06	263	5271	03	373	327	02
12	996	5169	06	521	078	5144	07	121	5157	04	167	5188		265	5233		377	280	
13	000	5106	09	012	082	5135	12	125	5132	13	171	5149	12	272	5199	09	385	232	08
14	998	5050	23	502	082	5063	23	127	5080	22	174	5109	18	277	5157	14	390	230	07
15																			
16	988	5039	21	582	074	5096	14	118	5128	12	164	5151	12	265	5190	10	378	251	06
17	998	5064	19	508	081	5103	16	125	5133	13	171	5137	13	272	5199	08	383	268	05
18	991	5133	10	556	074	5162	08	117	5180	06	162	5217	06	261	5187	05	374	261	03
19	985	5072	18	605	071	5113	11	115	5141	10	160	5168	09	260	5202	08	372	288	05
20	992	5072	18	550	076	5120	12	120	5150	11	165	5180	10	265	5217	08	377	279	04
21	991	5096	14	554	075	5150	11	118	5151	12	164	5150	11	264	5211	07	377	243	
22																			
23	961	5145	10	795	051	5133	11	094	5149	10	140	5165	10	240	5182	09	354	240	06
24	961	5085	16	805	051	5097	11	095	5132	10	141	5169	10	241	5210	08	352	296	04
25	971	5101	16	716	059	5132	13	103	5157	11	148	5183	09	246	5239	05	358	273	
26	981	5122	11	636	067	5133	11	111	5163	09	156	5203	07	255	5213	07	368	257	
27	981	5097	16	634	068	5093	15	112	5130	12	158	5162	10	257	5214	08	370	257	06
28	977	5076	18	660	064	5129	12	107	5165	10	153	5173	10	252	5214	09	364	290	05
29	974	5121	11	719	062	5115	11	106	5142	09	151	5171	08	250	5231	06	363	264	03
30	975	5078	16	682	063	5098	12	107	5130	11	153	5150	11	253	5193	10	366	266	05

DAY	500 MILLIBARS			400 MILLIBARS			300 MILLIBARS		200 MILLIBARS		150 MILLIBARS		100 MILLIBARS		80 MILLIBARS		60 MILLIBARS	
	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE
	gpDm	−°C ×10⁻¹	dg/kg	gpDm	−°C ×10⁻¹	dg/kg	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹
01																		
02	512	386	01	663	430		857	428	129	462	319	475	587	484	734	486	923	491
03	513	278	06	669	397	02	860	476	127	462	318	463	584	489	731	497	919	509
04	507	294	03	663	400		853	547	121	455	312	464	580	508	725	513	911	521
05	504	300		660			852	552	120	452	310	482	578	480	724	490	912	504
06	499	283		655	412		844	539	111	447	310	469	571	481	718	497	905	511
07	485	336	03	638	435		827	484	110	402	296	435	567	473	715	478	904	484
08	488	371		640	452		827	529	110	465	287	462	557	466	705	458	890	471
09	497	368		648	467		835	523	102	456	294	462	558	478	700	485	888	496
10	494	357		647	443		835	551	101	470	291	478	558	493	705	500	893	509
11	500	392		651	488		837	520	103	490								
12	497	328		651	399		846	492	109	493	297	513	559	543	701	550	885	555
13	518	286	05	675	394	02	865	543	126	484	315	477	581	500	726	518	912	538
14	523	290	05	679	400	02	868	580	127	518	314	469	580	512	725	525	910	540
15																		
16	508	343	03	662	450		850	531	115	457	306	477	573	495	718	507	905	521
17	513	352	02	665	468		852	556	116	486	305	490	570	516	716	520	900	529
18	504	349	02	656	457		843	549	108	474	297	484	562	510	707	521	892	536
19	501	370	03	652	487		838	519	101	484	293	500	556	524	700	539	884	559
20	505	364	02	657	468		844	544	107	497	295	511	557	535	700	549	883	566
21	509	296	03	665	392	02	856	540	115	510	302	524	562	540	705	558	887	581
22																		
23	485	328	03	639	432		827	538	092	475	282	492	546	518	690	530	875	547
24	480	373	02	633	441		823	537	089	478	278	488	542	493	688	507	874	527
25	486	375		637	463		825	502	094	453								
26	499	305		654	416		844	533	106	499	293	512	556	532	699	550	881	573
27	500	343	03	653	457		840	544	103	511	290	523	551	542	694	553	876	570
28	492	377	02	643	484		827	572	089	521	274	527	536	535	679	553	861	578
29	494	330	03	647	462		831	605	087	538	273	540	532	545	675	554	858	566
30	496	350	03	648	467		833	596	089	551	272	556	530	564	671	578	852	598

Results of Radiosonde Observations, WILKES – May, 1961

DAY	SURFACE			1000 MB.	900 MILLIBARS			850 MILLIBARS			800 MILLIBARS			700 MILLIBARS			600 MILLIBARS		
	PRESSURE	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO
	mb	°C × 10⁻¹	dg/kg	gpDm	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10-1	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	−°C × 10⁻¹	dg/kg
01	982	5073	20	635	068	5112	15	112	5131	14	158	5149	13	258	5201	09	370	296	04
02	989	5093	15	575	073	5147	11	117	5157	10	162	5174	08	262	5179		376	247	
03																			
04	970	5069	22	726	060	5038	22	105	5064	19	152	5092	17	254	5147	12	370	210	08
05																			
06	981	5096	15	639	068	5120	10	112	5149	08	158	5148	08	258	5213	05	371	287	03
07	981	5139	09	636	067	5128	09	102	5128	07	155	5177	03	255	5212		368	277	
08	993	5172	05	545	076	5125	07	119	5107		166	5121		267	5168		382	209	04
09																			
10	992	5120		556	075	5171		117	5183	05	163	5203		261	5232	07	372	301	
11	988	5183	05	588	071	5202	05	113	5230	04	157	5196	04	256	5239	03	366	311	03
12																			
13																			
14																			
15																			
16	966	5078	11	757	056	5108	14	100	5135	11	145	5154	08	247	5163	06	361	218	05
17	969	5096	13	736	059	5091	14	102	5129	12	148	5170	10	247	5242	07	359	257	06
18	984	5062	21	619	070	5114	15	114	5140	13	160	5165	11	259	5226	07	371	298	04
19	979	5067	12	655	066	5119	10	110	5140	10	156	5157	10	255	5205	09	369	243	07
20	980	5066	15	643	067	5102	13	111	5136	12	157	5170	11	257	5221	08	369	279	05
21	988	5102	12	582	073	5128	13	116	5158	11	162	5186	09	261	5220	07	371	294	04
22																			
23	987	5104	12	590	072	5156	10	115	5148	12	161	5162	11	260	5223	06	371	311	03
24	985	5175	07	601	069	5156	07	112	5176	06	157	5191	05	256	5220	06	368	281	04
25	977	5212	05	658	062	5181	06	105	5193	06	149	5210	06	248	5233	05	359	289	02
26	994	5197	05	538	065	5153	07	120	5162	08	165	5195	06	263	5212		376	266	
27	002	5112	11	027	084	5144	08	127	5180	07	172	5193	07	271	5200		384	249	
28	000	5106	13	012	092	5142	11	136	5153	11	181	5152	11	281	5224	05	392	293	04
29	994	5150	08	539	077			120	5132	04	166	5153	04	266	5214	05	379	268	05
30	990	5157	08	564	074	5149	05	117	5145	04	163	5146		263	5202	04	376	260	04
31	992	5183	07	549	071	5211	06	113	5222	05	158	5211	03	256	5230	03	368	288	

DAY	500 MILLIBARS			400 MILLIBARS			300 MILLIBARS		200 MILLIBARS		150 MILLIBARS		100 MILLIBARS		80 MILLIBARS		60 MILLIBARS	
	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE
	gpDm	−°C ×10⁻¹	dg/kg	gpDm	−°C ×10⁻¹	dg/kg	gpDm	−°C ×10⁻¹	gpDm	−°C × 10⁻¹	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹
01	498	388	02	648	490		831	610										
02	507	328		662	407		851	568	103	583	283	588						
03																		
04	503	268	05	661	375	02	853	532	106	602								
05																		
06	450	348	02	652	464		837	592	093	537	278	550	536	568	676	593	855	625
07	497	360		649	462		835	543	096	538	280	555	537	580	677	604	855	638
08	515	269	05	673	384	02	864	543	115	511	295	588	549	603	687	620	864	640
09																		
10	500	372	02	652	448		839	563	100	517	286	524	547	549	689	569	870	599
11	494	378	01	645	477		831	551	093	583	281	521	541	543	684	568	865	598
12																		
13																		
14																		
15																		
16	493	299		649	427		842	372	113	418	310	392						
17	489	314	02	646	407													
18	499	363	03	651	455		838	575	090	595	270	605	521	636	657	648	832	662
19	500	328		653	460		839	605										
20	498	365	03	649	464		835	600	084	613	259	597	512	619				
21	501	367	02	652	487		836	612	086	612								
22																		
23	497	418		644	534		823	617	078	598								
24	497	371	01	647	492		831	565	085	605								
25	487	381		637	494		842	558	079	588	258	627	504	688	637	712		
26	505	356		657	472		842	578	095	618	272	648	517	687	650	712	819	746
27	515	322	02	670	421		859	551	109	676	284	635	533	639	669	661	842	690
28	521	352	03	674	455		849	590	105	585	285	579	540	597	674	624	853	660
29	508	341	03	660	455		846	598	097	599	278	591	531	508	669	643	843	691
30	506	339	02	658	470		844	597	094	602	274	607	524	632	661	652	835	679
31	497	366		648	430		833	576	086	583	267	602	518	638	654	655	828	677

Results of Radiosonde Observations,
WILKES – Jun., 1961

DAY	SURFACE			1000 MB.	900 MILLIBARS			850 MILLIBARS			800 MILLIBARS			700 MILLIBARS			600 MILLIBARS		
	PRESSURE	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO
	mb	°C ×10⁻¹	dg/kg	gpDm	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	dg/kg	gpDm	−°C ×10⁻¹	dg/kg
01	993	5219	04	541	074	5224	04	116	5253	04	160	5238	04	257	5259	03	368	325	02
02	972	5206	04	699	059	5181	05	101	5205	05	146	5234	05	243	5241	04	355	281	
03	970	5219	04	712	057	5182	08	099	5219	06	144	5238	05	241	5247		352	303	
04																			
05	997	5083	17	510	079	5083	18	124	5111	17	170	5142	13	270	5197	07	384	250	06
06																			
07	010	5017	33	068	095	5021	30	140	5043	28	188	5070	25	291	5107	19	408	163	11
08	006	5078	17	059	089	5057	11	133	5073	09	180	5098	10	284	5104	08	401	173	05
09	997	5183	07	516	077	5220	05	119	5195	03	164	5209		262	5255		375	231	
10	994	5194	04	538	074	5247	03	116	5273	03	159	5303	03	255	5272		365	329	
11	984	5149	11	624	069	5139	08	112	5167	08	158	5208	07	255	5209	05	368	272	03
12	981	5103	14	636	067	5135	11	110	5167	10	156	5200	08	254	5244	06	366	243	07
13	994	5114	12	535	077	5151	11	120	5172	10	165	5180	01	265	5209	09	377	289	05
14	994	5216	04	534	075	5147	08	119	5195		165	5153		265	5216		378	260	
15	994	5251	03	530	074	5220	04	116	5202	04	162	5175		261	5213		374	267	
16	003	5173	05	035	083	5140	06	126	5144		172	5139		272	5139		390	150	15
17	009	5129	10	081	088	5143	12	132	5167	10	177	5178	10	277	5147	16	394	180	13
18	987	5082	18	587	073	5093	19	117	5114	17	163	5140	14	263	5220	08	375	289	04
19	986	5122	14	596	071	5120	12	115	5145	10	161	5170	08	259	5248	05	370	318	03
20	980	5243	03	636	064	5213	04	107	5167	04	152	5184		251	5248		361	326	
21	980	5269	02	637	063	5214	04	105	5198	04	150	5182		249	5230		361	269	
22																			
23																			
24	981	5092	19	637	068	5099	11	111	5137	10	157	5149	11	257	5211	08	370	280	05
25	984	5122	13	612	069	5166	10	112	5128	12	159	5132	08	259	5212	05	371	295	03
26	981	5233	04	631	064	5220	05	106	5178	05	152	5136		253	5195		365	285	
27	982	5212	05	621	065	5228	02	102	5160	04	154	5138		254	5196		367	253	05
28	989	5217	04	569	071	5216	04	113	5202	04	158	5155	10	259	5193		372	267	02
29																			
30	987	5068	18	589	073	5067	20	118	5095	18	164	5128	14	265	5200	08	378	281	05

DAY	500 MILLIBARS			400 MILLIBARS			300 MILLIBARS		200 MILLIBARS		150 MILLIBARS		100 MILLIBARS		80 MILLIBARS		60 MILLIBARS	
	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE
	gpDm	−°C ×10⁻¹	dg/kg	gpDm	−°C ×10⁻¹	dg/kg	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹
01	495	360		648	447		835	567	091	558	273	578						
02	484	362		636	460		834	549	083	524	269	544	520	586	666	602	844	625
03	480	342		634	422		822	546	080	564	263	560	520	520	659	600	839	599
04																		
05	514	328	04	669	430		857	563	107	684								
06																		
07	543	258		700	395		890	563	135	732	306	671						
08	535	273		691	404		880	559	126	737	290	673	540	688	673	702	843	722
09	506	333		659	447		846	581	096	600	275	617	525	639	661	657	834	681
10	492	393		641	503		826	552	083	578	265	590	517	640				
11	497	370	03	648	463		833	601	084	593	265	600	516	633	652	653	826	681
12	497	347	03	649	448		835	603	084	603	263	603	514	641	649	668		
13	506	363	03	658	466		843	598	093	634	269	639	516	678	650	689	821	703
14	508	358		659	482		845	567	101	583	281	607	531	639	667	658	841	680
15	504	347		657	443		847	599	107	569	288	587	542	603	680	622	857	644
16	526	237	09	686	338	04	881	594	133	733	307	620	557	652	692	668	865	689
17	527	280	05	684	402		874	561	123	648	301	603	554	601	693	628	868	665
18	504	382		654	497		841	536	099	565	282	558	538	605	676	613	854	628
19	497	380	01	650	438		837	583	090	590	270	590	524	612	662	611	841	610
20	487	394		637	495		821	595	074	596	253	610	504	630	631	648	805	671
21	492	324		647	413		835	572	085	624	264	628	511	660	646	679	818	701
22																		
23																		
24	498	378	02	648	491		831	622	079	636	255	639	503	663	638	677	810	692
25	498	388	01	648	504		831	622	080	629								
26	494	378		644	492		828	590	079	613	258	627	506	648	642	656	821	670
27	497	348	03	648	487		832	611	082	632	259	642	506	658	640	695		
28	501	359		652	485		835	635	082	633	258	650	503	683	637	697	807	714
29																		
30	507	361	02	658	486		841	618	089	636	256	663	508	702	640	721	808	745

Results of Radiosonde Observations,
WILKES – Jul., 1961

DAY	SURFACE			1000 MB.	900 MILLIBARS			850 MILLIBARS			800 MILLIBARS			700 MILLIBARS			600 MILLIBARS		
	PRESSURE	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO
	mb	°C × 10⁻¹	dg/kg	gpDm	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	−°C × 10⁻¹	dg/kg
01	983	5157	09	616	069	5098	13	113	5123	12	159	5141	11	260	5200	04	373	264	03
02	995	5096	13	530	078	5133	12	122	5162	10	167	5147	12	268	5204		380	295	04
03																			
04																			
05																			
06																			
07	005	5081	15	051	087	5120	12	130	5122	14	177	5130	12	277	5172	03	392	219	08
08	003	5083	18	035	084	5131	13	128	5123	16	174	5130	15	275	5190	05	369	233	
09	982	5102	16	638	068	5088	13	113	5101	09	159	5118	05	260	5157	13	375	208	10
10	970	5056	21	728	061	5038	13	106	5080	11	153	5127	10	253	5207	08	367	223	08
11	979	5106	14	654	067	5070	19	111	5109	15	158	5149	11	258	5193	08	371	268	04
12																			
13	986	5078	20	598	072	5123	14	115	5153	12	161	5162	11	260	5224	08	371	323	04
14	991	5128	11	558	075	5136	12	118	5138	14	164	5165	12	264	5229	06	376	283	03
15	969	5085	17	748	058	5126	13	101	5150	12	147	5168	11	247	5202	07	360	289	04
16	980	5078	15	647	068	5082	15	112	5125	13	158	5165	11	258	5200	08	371	272	04
17	977	5053	26	668	065	5077	15	110	5107	15	156	5130	14	256	5206	08	368	298	04
18	989	5163	07	569	073	5145	05	116	5113	05	163	5130		265	5197		376	278	
19	986	5093	16	601	072	5092	18	116	5117	16	162	5151	12	262	5211	08	374	303	04
20	990	5167	08	564	073	5155	11	116	5143	10	162	5171	08	261	5237	05	371	323	02
21	982	5189	06	623	066	5205	06	109	5148		154	5170		254	5238		364	331	
22	974	5275	03	678	058	5303	02	098	5313	02	141	5298	02	238	5278		348	315	
23	971	5233	03	700	057	5253	03	098	5281	03	141	5311	02	236	5290	03	344	360	
24																			
25	988	5208	06	576	070	5230	05	112	5214	06	157	5196	08	255	5252	04	365	335	02
26																			
27																			
28	981	5140	13	631	066	5179	08	109	5175	08	154	5197	08	252	5245	06	363	340	02
29	973	5124	13	701	061	5142	08	104	5175	08	149	5173	06	248	5235		359	332	
30	967	5177	09	743	055	5174	08	098	5179	07	143	5204	06	242	5249	03	352	336	02
31	968	5111	10	735	057	5148	08	100	5170	08	145	5185	09	244	5237	06	355	303	04

DAY	500 MILLIBARS			400 MILLIBARS			300 MILLIBARS		200 MILLIBARS		150 MILLIBARS		100 MILLIBARS		80 MILLIBARS		60 MILLIBARS	
	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE
	gpDm	−°C × 10⁻¹	dg/kg	gpDm	−°C × 10⁻¹	dg/kg	gpDm	−°C × 10⁻¹	gpDm	−°C × 10⁻¹	gpDm	−°C × 10⁻¹	gpDm	−°C × 10⁻¹	gpDm	−°C × 10⁻¹	gpDm	−°C × 10⁻¹
01	502	365	01	652	501		838	590	087	617	265	624	513	677				
02	510	343	03	663	442		851	568	100	655	275	664	520	683	653	705	822	735
03																		
04																		
05																		
06																		
07	525	269	05	684	431		871	583	121	648								
08	520	319		674	450		861	577	111	665	285	678	526	731				
09	508	293	05	663	425		851	583	096	728	264	728						
10	499	315	04	652	452		838	603	081	717								
11	495	374	02	648	431		835	584	080	730	248	735						
12																		
13	498	414		647	510		829	631	077	655	251	673	492	731				
14	506	329	03	659	460		844	609	090	695	261	718	498	750	627	769		
15	480	388	02	638	490		821	612	071	637	247	668	489	722	620	737	787	756
16	500	357	02															
17	496	384	02	646	506		828	634	076	650	251	670	494	700	626	714	795	735
18	504	375		657	424		845	568	093	635	267	675	510	692	642	717	811	749
19	500	411		648	524		831	597	082	631	259	647	503	690				
20	498	394	01	648	480		832	623	075	670	249	698	490	713	621	735	787	763
21	491	401		639	529		823	583	073	653	247	679	489	712	620	742	786	768
22	475	475		623	517		806	606	054	663	228	680	468	747	597	772		
23	469	434		616	520		799	589	050	652	224	685	453	732	593	767		
24																		
25	491	425		639	511		820	645	062	730	230	742						
26																		
27																		
28	488	452		634	572		812	638	058	680	230	710	468	754				
29	484	448		630	566		808	650	055	659	229	677	470	738				
30	477	422		624	554		803	648	045	712	215	728	452	749				
31	483	409		631	533		810	678	063	690	234	699	476	702	608	695	780	685

Results of Radiosonde Observations, WILKES – Aug., 1961

DAY	SURFACE			1000 MB.	900 MILLIBARS			850 MILLIBARS			800 MILLIBARS			700 MILLIBARS			600 MILLIBARS		
	PRESSURE	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO
	mb	°C ×10⁻¹	dg/kg	gpDm	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	dg/kg	gpDm	−°C ×10⁻¹	dg/kg
01	993	5224	04	541	075	5138		119	5163		164	5195		262	5264		371	360	
02	993	5189	08	546	075	5155		118	5160		164	5160		264	5197	08	377	232	08
03	985	5189	06	579	071	5220	06	114	5183	05	159	5182		259	5199		372	250	
04	990	5266	04	576	070	5274	03	111	5250	02	156	5242		253	5238		365	273	
05	975	5278	03	713	059	5260	02	100	5277	01	144	5310		240	5289		349	338	
06	975	5201	06	710	061	5223	05	102	5259	04	146	5298	02	240	5313	02	349	330	01
07	967	5189	06	742	054	5218	06	096	5247	05	140	5276	04	235	5300	03	345	328	01
08	963	5253	02	764	050	5249	03	092	5257	03	136	5268	03	232	5252	02	343	308	02
09	960	5203	07	799	049	5180	09	092	5159	10	138	5177	09	236	5244	06	348	287	04
10	979	5188	06	647	065	5163	05	107	5178	05	153	5208	05	251	5235	04	362	312	02
11	971	5100	12	716	059	5143	07	102	5158	06	148	5176	05	247	5252	02	357	317	
12																			
13	978	5068	16	666	066	5107	15	094	5132	14	156	5143	15	255	5230	08	367	298	03
14	994	5128	13	535	077	5145	11	121	5156	11	166	5185	09	265	5238	04	376	283	
15	978	5094	14	668	065	5118	14	109	5147	12	155	5179	10	254	5215	06	366	303	
16																			
17	964	5092	15	773	054	5132	12	097	5165	10	143	5178	09	242	5238	06	353	311	03
18	976	5094	17	678	064	5116	13	107	5139	12	153	5173	10	252	5230	06	364	299	04
19	974	5089	19	692	064	5076	18	108	5096	16	154	5130	12	255	5217	06	367	293	03
20																			
21	968	5057	16	750	058	5066	14	103	5103	13	149	5143	10	249	5221	07	360	305	04
22	985	5100	13	604	070	5139	11	114	5162	11	159	5183	10	258	5223	05	370	315	02
23	993	5117	09	540	076	5173	08	118	5205	07	164	5172	09	263	5219		374	317	
24																			
25	975	5050	26	687	064	5098	14	108	5108	12	154	5128	09	255	5182	05	369	257	03
26	000	5109	14	012	083	5064	11	128	5088	08	175	5112	06	276	5191		389	257	02
27	003	5078	15	035	085	5089		120	5098		176	5107		279	5139	05	394	210	05
28	003	5103	11	035	084	5140	07	128	5116	14	174	5133	13	275	5168	11	391	183	12
29	003	5122	10	035	084	5102	10	128	5105	09	175	5124	07	276	5178	04	389	270	
30	990	5089	15	568	074	5132	12	118	5147	11	163	5168	10	262	5240	06	373	319	03
31	003	5132	11	035	085	5114	13	129	5117	09	175	5137	05	276	5173	09	390	233	08

DAY	500 MILLIBARS			400 MILLIBARS			300 MILLIBARS		200 MILLIBARS		150 MILLIBARS		100 MILLIBARS		80 MILLIBARS		60 MILLIBARS	
	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE
	gpDm	−°C ×10⁻¹	dg/kg	gpDm	−°C ×10⁻¹	dg/kg	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹
01	497	411		645	499		830	610	075	701	245	728	483	744				
02	509	320	04	662	434		849	590	091	751	257	771						
03	503	331	02	655	459		840	610	083	743	251	746	485	776	612	809	772	852
04	495	348		647	459		833	601	076	739	245	733	481	755	608	811		
05	476	400		626	470		813	549	071	623	249	623	498	725	629	740	996	760
06	476	392		626	472		814	534	071	597								*
07	472	382		623	463		810	536	067	599	246	633	492	681	625	694	796	711
08	471	385	01	623	437		813	510	074	553	256	575	511	607	649	628		
09	476	405		625	480		811	584	061	647	238	666	478	729	609	735		
10	489	403		638	499		820	647	063	707	234	710	474	713	605	719	774	728
11	484	419		631	544		811	631	058	663	232	676	475	693	608	685		
12																		
13	494	407		642	520		825	593	075	650	250	677	492	710	624	718	793	729
14	506	335		660	440		846	598	091	716	262	700	503	714	634	738	801	768
15	493	410		641	542		823	612	069	680	240	730	476	756	605	783	767	807
16																		
17	480	398	01	628	514		812	585	057	638	233	673						
18	491	389	02	640	529		822	596	067	721	235	751	468	784	594	816	755	816
19	494	397	01	644	505													
20																		
21	487	409		634	538		815	648	059	738	226	739						
22	496	416		645	506		828	628	070	728	238	750	472	780	599	789	762	802
23	502	387		652	495		835	619	078	754	243	776	474	806	599	820	760	829
24																		
25	499	348		651	476		835	607	085	646	260	678	502	723	633	732		
26	520	318		674	428		861	588	106	762	272	762	506	765	634	768	799	769
27	527	298	04	682	424		872	582	114	777	282	733						
28	524	280	06	681	400	02	871	554	119	717	290	688	531	709	663	726	829	790
29	519	367	01	671	445		858	581										
30	499	412		649	471		835	568	088	643	262	690	504	725	634	750		
31	521	323	04	675	433		863	582	107	752	272	791	504	778	631	797	793	820

Results of Radiosonde Observations,
WILKES – Sep., 1961

DAY	SURFACE			1000 MB.	900 MILLIBARS			850 MILLIBARS			800 MILLIBARS			700 MILLIBARS			600 MILLIBARS		
	PRESSURE	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO
	mb	°C × 10⁻¹	dg/kg	gpDm	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg
01	990	5164	09	563	075	5050		120	5073		167	5102		268	5162		383	233	05
02	983	5136	12	617	069	5161	09	110	5159	11	155	5168	10	255	5214	08	368	237	07
03	988	5113	13	581	072	5132	12	116	5150	11	161	5192	01	260	5225	05	371	300	02
04	988	5131	11	580	072			116	5143	11	161	5170	10	260	5250	05	370	311	04
05	976	5146	09	673	064	5091	09	108	5100		154	5120		255	5194		369	234	
06	976	5117	10	678	065	5064	14	109	5092	14	156	5121	12	257	5163	12	371	253	06
07	966	5044	24	759	057			102	5072	13	148	5110	10	249	5190	07	362	281	05
08	984	5064	22	615	071	5098	16	114	5126	14	160	5148	12	261	5207	08	373	296	04
09																			
10	977	5012	35	674	066	5061	24	111	5093	19	157	5123	16	258	5184	10	372	244	06
11	986	5089	17	596	072	5093	18	116	5117	16	162	5158	12	262	5209	08	375	253	06
12	987	5125	11	586	072	5110	09	116	5097		163	5097		265	5153		379	240	
13	008	5156	08	072	086	5204	03	128	5161		174	5130		275	5161		390	198	
14	007	5123	11	065	087	5137		130	5146		176	5137		277	5157	09	393	198	11
15	000	5156	08	012	082	5114		125	5130	06	172	5118	14	273	5145	08	389	202	
16	988	5097	18	572	073	5118	14	116	5140	12	162	5165	10	261	5213	07	375	217	08
17	987	5089	20	590	073	5106	16	116	5117	14	163	5139	13	263	5189	10	374	248	06
18	984	5078	15	617	070	5133	09	113	5148	09	156	5176	08	258	5223	07	369	295	04
19	977	5118	13	670	064	5138	09	107	5145	10	153	5159	10	252	5212	08	364	300	04
20	990	5116	13	568	074	5174	08	116	5200	07	161	5222	07	259	5238	06	370	312	03
21	992	5150	12	550	074	5200	07	116	5227	06	161	5210	07	259	5240	06	370	326	03
22	984	5161	10	610	069	5213	06	111	5203	06	156	5202	03	254	5265	02	363	361	
23	988	5144	10	579	071	5193	06	113	5222	06	158	5209		257	5239		368	317	
24	980	5096	17	642	066	5132	11	110	5148	11	154	5178	09	254	5223	07	365	308	03
25	986	5078	21	602	072	5123	13	115	5150	11	161	5172	10	260	5219	07	372	303	04
26	980	5138	13	660	066	5170	08	108	5189	07	153	5209	07	252	5239	06	363	325	03
27	980	5147	11	661	065	5191	08	107	5222	06	152	5260	04	249	5262	05	359	327	03
28	988	5173	09	590	071	5199	07	113	5233	06	158	5184	05	257	5230		369	309	
29	995	5206	07	529	076	5151		120	5129		166	5134		267	5171		381	233	03
30	987	5207	06	602	072	5116	05	115	5121		162	5146		262	5194		377	240	

DAY	500 MILLIBARS			400 MILLIBARS			300 MILLIBARS		200 MILLIBARS		150 MILLIBARS		100 MILLIBARS		80 MILLIBARS		60 MILLIBARS	
	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE
	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	gpDm	°C × 10⁻¹	gpDm	°C × 10⁻¹	gpDm	°C × 10⁻¹	gpDm	°C × 10⁻¹	gpDm	°C × 10⁻¹
01	514	312	04	669	416		858	568	103	748	269	758	504	752	634	750	801	748
02	499	326	04	652	458		838	591	082	752	251	723	488	750	618	638		
03	499	381	01	649	483		832	640	075	722	244	720	481	752	611	753	777	759
04	498	381	02	648	475		834	594	079	678								
05	500	341	02	652	469		835	640	076	757	240	773	472	772	600	772	764	772
06	501	340	03	653	464		838	601	082	723	249	766						
07	490	392		639	514		820	574	069	693	239	749	473	783	600	782	764	778
08	500	380	02	651	488		833	640	078	689	248	745	480	785	607	790	770	799
09																		
10	503	340	03	655	470		842	552	095	627	273	617	525	602	664	617	841	633
11	505	353	02	657	464		841	612	094	580	276	572	531	645	667	651	842	659
12	510	334		663			849	571	102	621	278	661	524	664	659	679	832	672
13	523	302		677	413		865	590	112	663	283	672	530	685	663	685	836	685
14	525	297	05	680	426		868	592	118	618	296	619	546	640	683	649	857	660
15	521	303	03	675	430		863	589	114	608	294	596	546	621	684	627	859	673
16	507	331	03	659	468		845	557	101	580	282	591	534	634	670	657	843	689
17	507	340	03	659	454		845	590	095	622	274	619	524	630	662	627	840	612
18	499	330	03	652	462		837	599	088	624	267	610	519	608	658	606	837	602
19	492	383	02	643	474		828	601	073	719	244	592	489	656	625	639	801	630
20	498	385	02	648	475		833	604	077	637	244	742	481	718	613	708	784	696
21	496	405		645	498		829	603	075	707	245	718	484	732	615	722	784	710
22	488	423		636	508		819	611	066	705	237	688	478	730	608	727	778	722
23	495	400		644	508		825	623	072	683	244	690	486	702	619	697	791	690
24	493	383	02	643	486		826	619	071	714	241	722	479	735	609	727	779	717
25	499	405		648	504		830	630	075	709	245	723	481	757	610	752	777	749
26	488	423		636	510		820	617	064	693	235	709	474	730	605	730	774	729
27	485	418		633	527		815	609	062	686	234	712	471	753	600	754	767	750
28	496	379		647	452		834	583	080	721	249	729	488	710	622	719	791	730
29	512	332	02	664	468		848	620	090	748	257	752	491	775	619	758	785	755
30	507	340	01	660	451		846	588	090	770	254	778	488	784	615	780	779	772

Results of Radiosonde Observations,
WILKES – Oct., 1961

DAY	SURFACE			1000 MB.	900 MILLIBARS			850 MILLIBARS			800 MILLIBARS			700 MILLIBARS			600 MILLIBARS		
	PRESSURE	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO
	mb	°C × 10⁻¹	dg/kg	gpDm	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C ×10-1	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	-°C ×10⁻¹	dg/kg
01	976	5188	08	681	063	5106	13	107	5098	14	154	5130	10	255	5182	05	368	269	
02	965	5190	08	795	053	5233	04	095	5176	03	140	5189	02	239	5249		350	300	
03	972	5239	05	734	056	5274	02	098	5222		142	5227		240	5262		350	312	
04	972	5236	05	698	057	5260	03	099	5281	03	143	5232	02	240	5252		351	312	
05	971	5222	06	747	057	5260	04	098	5273	03	142	5252	03	238	5270	02	348	336	
06	973	5230	05	724	058	5257	03	099	5282	02	143	5288	02	239	5288	01	348	347	
07	976	5245	04	698	060	5270	03	101	5300	02	144	5328	02	239	5299	02	348	341	
08	981	5213	04	652	065	5241	02	106	5268	02	150	5291	02	246	5277		356	327	
09	986	5226	02	591	069	5157	03	111	5200		157	5177		257	5211		370	245	
10	982	5172	08	627	067	5162	04	110	5172		155	5195		254	5207	03	367	277	04
11	983	5144	06	616	068	5157	03	111	5167	03	156	5187		256	5208		369	265	
12	972	5098	12	707	061	5097	10	105	5122	09	151	5138	09	252	5172	06	366	252	03
13	977	5057	23	668	065	5085	19	109	5115	15	156	5145	13	256	5185	10	370	238	07
14	986	5069	20	599	072	5088	18	116	5107	15	163	5120	13	264	5200	08	376	236	04
15	976	5072	23	675	063	5130	13	107	5137	14	153	5129	10	254	5203	05	367	219	
16	977	5098	12	669	064	5145	08	107	5150	09	153	5149	11	253	5217	07	365	275	03
17	978	5107	12	659	065	5150	10	108	5179	08	153	5209	07	252	5220	06	364	279	
18	974	5141	10	689	061	5197	07	103	5226	06	147	5230	05	245	5238	05	357	291	02
19	985	5108	10	600	069	5170	08	112	5210	06	157	5230	06	256	5220		369	224	
20	983	5122	10	616	069	5129	05	112	5143	04	158	5155		258	5163	10	373	227	8
21	976	5046	14	679	065	5093	11	109	5114	13	155	5151	12	255	5196	08	368	259	04
22	973	5106	10	698	061	5132	08	104	5166	07	150	5203	07	248	5215	05	361	270	
23	966	5161	08	747	055	5131	09	099	5159	08	144	5200	07	243	5212	05	355	267	
24	975	5097	14	684	062	5121	09	106	5144	08	152	5170	06	250	5217	03	363	256	
25	976	5112	14	680	063	5154	11	106	5172	09	151	5174	07	251	5220		362	289	
26	975	5094	18	687	063	5121	15	106	5145	12	152	5179	10	250	5254	05	361	307	03
27	981	5096	16	637	067	5140	12	110	5170	10	156	5183	09	254	5263	05	364	343	02
28	985	5143	10	604	069	5185	05	112	5173	03	158	5158		258	5206		370	273	
29	981	5176	06	631	066	5152	12	109	5144		155	5158		255	5203		368	266	
30	987	5131	11	596	071	5148	04	115	5121		161	5132		262	5157		377	215	07
31	979	5097	13	652	065	5074	18	110	5100		156	5128		257	5142		373	217	06

DAY	500 MILLIBARS			400 MILLIBARS			300 MILLIBARS		200 MILLIBARS		150 MILLIBARS		100 MILLIBARS	80 MILLIBARS		60 MILLIBARS	
	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE
	gpDm	-°C ×10⁻¹	dg/kg	gpDm	-°C ×10⁻¹	dg/kg	gpDm	-°C ×10⁻¹	gpDm	-°C × 10⁻¹	gpDm	-°C ×10⁻¹	gpDm	-°C ×10⁻¹	gpDm	-°C ×10⁻¹	gpDm	-°C.×10⁻¹
01	497	369		648	470		834	597	078	760	243	764	476	756	605	755	771	748
02	477	395		626	515		809	610	057	670	229	728	466	746	595	711	768	712
03	478	375		630	454		817	553	067	679	238	707	478	757	609	718	778	731
04	479	369		630	499		815	581	063	660	235	720	475	739	606	720	776	695
05	474	420		622	529		804	610	052	690	224	700	462	718	594	708	765	693
06	473	420		622	496		805	607	052	668	224	690	466	673	601	674	774	675
07	473	429		621	520		803	609	052	642	228	643	477	638	613	633	790	631
08	482	409		631	494		816	590	068	606	248	612	497	650	633	648	808	641
09	500	337		653	451		840	593	087	707	257	700						
10	496	365	02	647	476		834	547	089	614	266	652	510	690	643	682	816	672
11	500	318		655	410		845	552	095	688	246	686	508	713	640	698	812	679
12	497	310		653	415		841	571	088	707	259	694	502	676	637	657	813	630
13	501	343	03	654	454		841	577	089	679	262	656	509	655	645	646	821	633
14	505	337		659	425		849	547	099	661	274	648	522	638	659	623	837	603
15	500	296		656	390		847	560	095	692	271	638	519	639	658	571	841	542
16	495	345		648	436		836	573	082	697	254	680	500	641	638	600	819	546
17	493	358		646	453		833	579	082	652	257	670	504	620	643	586	825	544
18	485	383		637	422		828	505	088	521	269	605	519	616	658	601	838	582
19	503	265		661	375		854	526	106	662	294	577	539	593	679	591	859	588
20	505	301	05	661	415		849	573	097	656	271	666	520	634	657	615	837	589
21	498	322	04	654	403		844	550	092	706	264	687						
22	491	323		648	380		841	517	097	622	275	606	527	610	666	589	848	561
23	485	357		638	436		826	555	078	632	254	650	503	619	642	600	822	573
24	492	350		644	467		830	597	080	664	255	641	506	610	646	560		
25	491	380		640	500		823	601	074	619	252	625	502	592				
25	489	387		639	490		823	597	073	633	250	619						
27	489	421		637	506		822	562	077	595	257	590	512	584	652	569	835	549
28	499	374		649	482		835	567	088	617	266	624	518	597	658	581	840	560
29	498	339		650	454		838	568	091	616	269	620	520	609	660	590	841	567
30	509	302	03	665	407		853	587	101	645	278	638	528	611	667	592	848	570
31	506	286	05	662	406		851	559	099	670	274	640	524	619	663	591	846	559

Results of Radiosonde Observations,
WILKES – Nov., 1961

DAY	SURFACE			1000 MB.	900 MILLIBARS			850 MILLIBARS			800 MILLIBARS			700 MILLIBARS			600 MILLIBARS		
	PRESSURE	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO
	mb	°C ×10⁻¹	dg/kg	gpDm	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	dg/kg	gpDm	°C ×10⁻¹	dg/kg	gpDm	−°C ×10⁻¹	dg/kg
01	970	5114	11	721	059	5102	06	103	5121		149	5145		249	5186		364	220	
02	968	5025	24	745	058	5070	13	103	5101	12	149	5126	12	251	5154	11	366	232	06
03	985	5029	29	609	072	5068	23	116	5091	20	163	5110	18	265	5179	11	378	252	06
04	974	5044	23	695	063	5083	16	107	5083	11	154	5125	10	254	5185	07	370	192	
05	985	5094	16	606	071	5118	14	114	5136	13	160	5165	11	260	5203	07	373	234	
06	985	5083	17	615	071	5137	10	114	5167	09	159	5197	08	258	5193	04	372	232	
07	980	5149	11	657	066	5140	10	110	5162	07	155	5141	05	257	5171		370	249	
08	977	5116	09	683	063	5160	07	106	5177	06	152	5169	04	252	5182		366	256	
09	992	5120	06	558	075	5135	07	117	5150		165	5121		266	5151		381	200	
10	982	5073	20	637	069	5126	09	113	5160	09	158	5192	08	257	5208	08	369	257	06
11	978	5124	10	675	069	5143	10	112	5150	08	158	5161	04	258	5208		370	280	04
12	979	5150	09	672	065	5149	05	109	5147		155	5142		255	5212		368	262	
13	988	5095	12	589	073	5127	10	116	5120		163	5141		263	5189		376	248	
14	994	5091	12	538	078	5077	06	123	5071		170	5098		272	5151	07	387	230	06
15	975	5067	15	695	063	5110	06	107	5131	05	153	5161	04	253	5198	04	367	237	
16	988	5073	18	588	073	5127	10	116	5160	09	162	5190	07	261	5223	03	373	263	01
17	986	5082	15	609	071	5131	08	115	5130	05	161	5163	04	260	5221		364	218	
18	964	5023	33	782	056	5020	07	101	5059	08	148	5100	09	249	5185	08	362	277	03
19	974	5037	20	597	064	5050	15	108	5087	12	155	5123	11	255	5201	07	368	283	
20	972	5033	25	710	062	5074	20	106	5104	17	152	5136	14	253	5181	10	367	234	07
21	975	5029	37	692	065	5060	16	110	5077	15	157	5117	11	257	5207	05	370	252	
22	975	5033	28	686	064	5058	10	109	5073	06	156	5103		257	5181		371	241	
23	983	5024	28	624	071	5046	09	115	5075	06	162	5110	05	264	5183		378	219	
24	992	5041	19	550	077	5080	06	122	5087		169	5111		270	5165		386	205	
25	985	5040	21	607	073	5037	12	118	5078	13	165	5111	07	266	5158	11	382	179	11
26	984	5017	31	619	072	5065	23	116	5097	19	163	5128	16	264	5183	10	378	255	06
27	991	005	37	558	077	5069	21	122	5103	17	169	5131	14	269	5193	09	382	283	04
28	980	022	44	651	069	5048	17	114	5051	08	161	5093	08	263	5183	07	376	254	04
29	974	003	33	698	068	5050	16	107	5088	14	155	5102	14	258	5160	12	373	218	08
30	978	5004	36	670	067	5063	23	112	5097	18	158	5115	17	260	5168	12	374	235	07

DAY	500 MILLIBARS			400 MILLIBARS			300 MILLIBARS		200 MILLIBARS		150 MILLIBARS		100 MILLIBARS		80 MILLIBARS		60 MILLIBARS	
	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE
	gpDm	−°C ×10⁻¹	dg/kg	gpDm	−°C ×10⁻¹	dg/kg	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹	gpDm	−°C ×10⁻¹
01	496	299	02	651	418		840	557	092	613	272	593	528	544	672	499	862	452
02	497	328	03	651	435		839	549	096	556	282	502	550	440	700	428	895	411
03	510	302		665	420		854	546	112	513	310	479	579	454	729	429	924	413
04	502	297		658	407		848	550	101	582	284	520	551	454				
05	505	321		658	443		845	586	096	602	277	568	538	502	684	468	877	422
06	503	328		656	462		842	578	095	600	276	572	537	487	685	448	880	398
07	501	339		654	437		842	559	096	600	276	580	538	474	687	430	882	402
08	496	327		650	427		839	560	092	588	273	582	531	527	676	498	865	460
09	515	270		674	346	03	870	491	124	667	299	636	547	625	685	609	866	560
10	499	361	02	651	448		840	514	100	548	284	551	543	536	686	539	871	541
11	499	358	02	651	462		838	548	094	600	274	577	533	528	678	509	866	483
12	498	335		651	426		841	517	098	578	280	585	539	528	684	490	875	450
13	507	332		660	458		847	510	102	598	282	592	539	538	684	498	874	443
14	518	300		675	363		869	497	126	638	303	605	556	583	697	542	883	509
15	498	320		652	425		842	537	100	524	286	522	548	542	691	530	877	513
16	504	298		659	432		847	560	100	585	282	572	540	532	684	518	871	498
17	496	289	05	652	412		841	559	092	644	270	610	523	585	664	563	848	532
18	491	386	01	641	480		829	521	091	539	275	548	535	526	680	501	869	472
19	496	390		646	482		835	527	094	554	278	530	541	515	686	501	875	482
20	499	303	04	656	398	02	854	563	099	567	284	503	552	456	702	427	896	428
21	500	345		654	428		846	463	117	438	310	433	582	430	734	409	928	434
22	503	308		658	420		848	520	111	495	301	462	576	429	726	425	921	419
23	514	289		672	362		866	505	113	524	313	505	580	468	728	460	921	421
24	519	265		677	385		868	546	123	496	316	503	582	478	726	470		
25	517	248	07	677	351	03	872	508	130	528	317	503	582	[illegible]	726	480	919	473
26	508	340	02	661	433		850	508	112	541	301	464	576	[illegible]	716	440	910	453
27	510	389	02	661	480		846	545	108	487	296	495	563	498	713	418	908	425
28	507	313	03	662	432		850	570	110	517	298	497	567	425	718	408	914	385
29	504	321	03	659	435		848	555	105	520	291	520	558	437				
30	505	323	03	660	434		848	550	107	505	295	488	566	419	718	397	916	369

Results of Radiosonde Observations,
WILKES – Dec., 1961

DAY	SURFACE			1000 MB.	900 MILLIBARS			850 MILLIBARS			800 MILLIBARS			700 MILLIBARS			600 MILLIBARS		
	PRESSURE	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO
	mb	°C × 10⁻¹	dg/kg	gpDm	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	°C × 10⁻¹	dg/kg	gpDm	−°C × 10⁻¹	dg/kg
01	980	5022	25	649	069	5053	16	113	5095	12	160	5135	11	260	5189	08	374	253	04
02	984	5029	24	618	071	5108	14	115	5130	13	161	5157	11	261	5189	04	374	251	03
03	982	5007	34	631	070	5071	11	114	5110	10	161	5150	08	260	5230	06	373	268	02
04	984	5014	24	616	071	5090	14	116	5114	09	162	5156	08	262	5196		375	263	
05	986	5039	22	600	072	5098	13	116	5134	11	162	5171	10	261	5195	04	376	230	
06	986	5053	24	600	073	5091	18	116	5123	14	163	5154	11	262	5236	06	373	277	03
07	977	5072	15	670	065	5086		109	5112		155	5140		256	5202		368	283	
08	979	5022	24	666	068	5058	07	112	5080	07	159	5089		263	5113		380	135	
09	989	5028	29	574	075	5083	20	119	5117	15	166	5145	12	266	5200	08	379		
10	989	5033	25	576	076	5041	09	121	5060	07	168	5086	08	270	5154	07	385	223	03
11	978	5025	24	664	067	5060	08	111	5078		158	5097		261	5143		376	227	
12	982	5029	22	630	070	5065	07	114	5101	05	160	5141	04	262	5159		377	223	
13	982	5035	21	631	069	5082	09	114	5103		160	5128		261	5179		375	242	
14	985	5028	25	608	072	5077	21	116	5108	18	163	5143	13	262	5208	08	375	284	04
15	979	5018	23	657	068	5037	13	113	5077	12	160	5118	10	260	5206	07	373	290	04
16	978	5028	24	663	066	5074	18	111	5085	09	158	5109	05	259	5178		372	263	
17	984	5017	24	620	072	5076	17	116	5100	12	163	5107	07	264	5181		377	269	03
18	978	5022	25	675	066	5088	16	110	5121	15	157	5131	15	257	5189	06	371	253	
19	976	5022	26	684	065	5080	18	109	5101	16	156	5127	15	257	5183	08	370	253	03
20	977	5037	20	679	066	5066	11	110	5093	07	157	5110		258	5170		372	247	
21	982	5039	22	635	069	5067	10	114	5089	06	161	5117		262	5177		375	250	
22	978	5012	26	670	068	5028	20	113	5063	20	160	5099	16	262	5168	10	376	242	06
23	986	5015	30	601	073	5059	22	118	5085	19	165	5117	15	266	5162	12	381	211	05
24	985	5002	33	612	073	5053	24	117	5087	19	164	5120	15	265	5189	10	378	260	06
25	988	5012	26	579	075	5068	19	119	5101	16	166	5137	13	266	5208	07	378	301	03
26	986	5020	22	599	073	5073	17	117	5094	13	164	5125	10	265	5198	06	377	283	04
27	986	5019	17	599	073	5077	16	117	5112	14	163	5138	11	264	5207	07	376	282	04
28	985	5025	25	614	072	5079	12	116	5110	08	163	5137	05	263	5200	03	376	271	
29	983	5032	22	626	070	5098	13	114	5127	13	160	5154	12	260	5203	05	372	267	02
30	970	5042	16	735	060	5082	15	104	5111	14	150	5129	15	251	5194	09	364	253	04
31	967	5020	20	756	058	5050	12	103	5082	12	149	5118	12	250	5192	09	363	270	05

DAY	500 MILLIBARS			400 MILLIBARS			300 MILLIBARS		200 MILLIBARS		150 MILLIBARS		100 MILLIBARS	80 MILLIBARS		60 MILLIBARS	
	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	MIXING RATIO	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	TEMPERATURE	GEOPOTENTIAL	GEOPOTENTIAL	TEMPERATURE
	gpDm	−°C × 10⁻¹	dg/kg	gpDm	−°C × 10⁻¹	dg/kg	gpDm	−°C × 10⁻¹	gpDm	−°C × 10⁻¹	gpDm	−°C × 10⁻¹	gpDm	−°C × 10⁻¹	gpDm	gpDm	−°C × 10⁻¹
01	504	347	02	657	456		844	563	103	495	294	451	567	417	718	402	915	384
02	505	343		657	459		845	560	106	480	298	430	574	402	727	392	924	378
03	502	355	01	655	440		844	523	109	463	302	432	576	406	728	397	926	385
04	505	333		695	425		848	541	113	453	305	450	579	400	731	393	928	385
05	507	306		663	380		857	481	122	469	313	458	585	429	736	419	933	377	
06	502	352		655	424		848	463	118	430	313	421	586	425	736	431	930	421	
07	496	361		649	407		843	437	116	432	311	417	586	429	736	421	931	410	
08	512	200	10	679	311	05	876	467	138	506	325	498	593	440	743	427	939	411	
09	508	340	02	662	435		852	498	118	469	310	448	583	419	734	420	929	380	
10	517	308		672	398		863	531	124	502	313	488	582	448	732	427	927	400	
11	507	313		662	412		852	539	115	471	306	452	578	427	728	433	922	420	
12	508	311		663	419		853	550	116	467	308	457	580	426	731	420	926	410	
13	506	329		659	434		847	557	111	459	303	443	578	416	729	409	925	400	
14	503	366	02	655	452		843	531	111	468	301	441	575	404	727	406	922	408	
15	501	378	02	652	470		839	508	106	460	298	437	573	402	725	392	922	380	
16	501	358	01	654	450		841	553	104	481	295	437	573	370	727	370	926	370	
17	506	360	02	658	459		846	541	109	481	299	460	573	378	728	350	928	360	
18	501	332		655	421		845	522	109	488	300	432	575	408	728	389	926	364	
19	500	341	01	653	462		840	531	103	482	294	450	570	374	724	365	924	352	
20	502	342		655	446		842	550	104	482	295	441	570	392	723	380	922	363	
21	506	342		658	449		846	543	108	483	298	469	570	407	722	389	920	370	
22	507	327	03	660	425		849	520	116	448	308	442	582	418	733	422	928	400	
23	514	261		672	375	01	865	517	124	502	314	462	586	435	736	421	931	402	
24	508	342	03	661	453		849	503	117	461	308	453	584	385	736	409	933	375	
25	505	371		657	463		843	562	106	484	296	448	573	378	727	358	927	357	
26	505	382	02	656	481		841	581	102	487	293	425	570	358	725	349	927	339	
27	505	366	02	656	480		840	570	102	483	293	431	570	378	724	365	924	349	
28	505	351		657	459		845	541	107	477	299	440	574	372	729	360	929	346	
29	502	348		654	451		842	549	107	460	300	423	575	398	728	381	926	363	
30	495	337	01	649	429		838	544	103	458	296	429	572	380	726	369	926	352	
31	494	318	03	648	433		836	569	097	477	289	432	565	373	720	350	922	340	

Results of Radiosonde Observations,
TROPOPAUSE

DAVIS 1961

January

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01				
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
23	732	353	508	1
24	747	345	480	1
24	854	300	555	1
26	852	300	563	1
27	851	300	543	1
27	863	290	468	1
28	753	345	508	1
29	854	300	580	1
31	835	310	538	1
31	796	323	542	1

February

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
02	796	330	500	1
03	838	312	508	1
03	847	309	509	1
04	774	341	420	1
05	863	300	516	1
07	867	300	540	1
07	902	282	584	1
08	860	300	540	1
09	914	274	590	1
11	960	256	586	1
11				
12	542	344	502	1
13	853	300	570	1
14	859	300	549	1
15	935	272	584	3
16	857	300	530	1
17	1015	236	647	2
18	865	300	536	3
19	780	340	493	2
20	861	300	548	1
21	732	362	522	1
23	868	300	573	1
23	914	276	588	1
24				
25	762	348	490	1
26	954	254	605	1
27	982	249	610	3
28	843	300	563	1

March

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01				
02	896	280	573	1
03	887	280	568	2
04	853	300	558	1
05	872	286	581	1
06	896	274	591	1
07	817	308	580	2
08	833	300	562	1
10	808	310	553	1
10	854	292	558	1
11	808	312	560	3
13	744	346	537	1
13	834	300	600	1
15	793	318	583	1
15	743	350	505	2
16	1143	200	628	1
17	1036	230	633	1
18	991	242	610	1
20	884	274	494	3
21	732	348	533	1
21	777	328	568	2
23	896	242	534	3
23	838	304	576	1
24	799	314	549	3
25	836	300	522	1
26	914	270	557	3
28	848	300	546	1
28	908	274	597	1
30	890	284	581	3
30	820	313	557	1
31	774	334	547	1

April

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01	896	282	539	1
02	881	284	560	1
03	1061	222	628	1
04	849	300	570	1
06	817	312	540	3
06	863	284	571	3
07	817	308	563	1
09	875	284	604	2
10	842	300	578	1
10	808	320	485	1
11	914	272	553	1
12	945	258	601	2
13	1015	236	604	1
14	835	306	577	1
15	846	300	587	1
16	863	294	599	1
17	851	300	592	1
18	771	332	543	1
19	848	300	534	1
21	786	322	554	1
21	738	350	530	1
22	930	266	600	1
23	842	300	559	1
24	921	260	607	1
25				
27	799	318	564	1
27	911	261	637	2
28	924	254	653	3
29	875	278	643	2
30	822	300	612	1

May

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01	704	352	578	1
02	884	275	634	1
03	825	300	570	1
04	826	300	570	1
05	914	264	619	2
06	833	300	610	1
07	918	264	595	1
08	836	300	540	1
09	799	320	512	3
10	942	257	605	3
11	822	300	518	3
12	857	288	586	3
14	836	300	588	2
14	1027	220	552	1
15	1067	213	623	2
16	954	250	654	1
17	881	273	582	3
18	838	290	588	2
19	866	281	610	2
21	826	300	602	2
21	914	256	679	3
22	999	230	686	3
23	948	252	652	3
24	930	260	652	1
25	1085	206	688	2
26	969	250	623	3
27	933	263	620	3
28				
29	957	255	618	1
30				
31	843	300	552	2

June

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01	970	240	612	3
03	921	256	647	1
04	975	232	627	3
04	822	300	586	1
05	1055	221	577	3
07	1137	200	724	1
07	1131	200	735	3
08	1006	238	673	1
10	848	300	615	1
10	1052	215	636	3
11	802	317	571	2
12	988	240	647	1
13	843	300	605	1
14	817	312	563	2
16	796	313	616	1
16	783	322	620	1
17	710	358	578	1
18	750	334	601	2
19	978	232	664	1
20	957	246	694	1
21	823	300	610	2
22	689	363	537	2
23	951	251	691	1
24	840	300	623	2
25	945	252	680	2
26	988	230	699	3
27	914	254	669	3
28	1082	206	726	1
29	927	259	691	1
30	927	258	684	2

July

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01	957	242	694	2
02	832	300	635	2
03	908	266	660	2
05	759	340	596	1
05	930	254	724	1
07	741	344	614	2
08	836	300	659	1
08	978	233	711	2
10	1027	214	738	2
10	939	244	715	1
11	1067	200	787	1
12	860	280	685	2
13	816	300	693	1
14	631	400	541	2
15	815	300	620	1
16	899	262	697	1
17	1063	200	726	1
19	933	250	652	1
19	993	230	686	3
20	1084	200	730	3
21	1039	216	795	1
22	863	282	696	2
24	1054	200	714	3
24	884	263	658	3
26	803	300	608	2
26	918	246	689	2
28	790	300	617	3
29	719	342	632	2
29	800	300	679	2
30	927	248	690	1
31	1006	222	729	2

August

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
02	1177	166	793	1
03	1100	230	756	2
04				
04	1103	218	687	2
05	826	300	631	2
06	942	242	671	3
07	1063	200	695	3
09	1005	216	731	3
09	926	244	689	3
10				
11	1064	200	710	1
12	1113	187	819	1
14	1071	200	706	2
14	957	235	713	3
16	988	227	732	1
17	933	245	693	1
18	1056	200	750	3
18	985	229	730	2
19	985	226	715	3
20	945	242	697	2
21	951	241	720	2
22	1063	200	730	3
23	975	236	714	3
24	1081	200	757	2
25	1055	214	783	1
26	777	324	582	2
28	725	342	592	2
28	841	290	688	2
30	637	400	597	2
30	658	400	546	2
31				

September

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01				
03	1097	197	757	2
04	825	300	618	2
04	825	300	646	2
05	908	260	706	2
06	975	237	717	2
07	963	245	710	2
08	917	267	638	1
09	960	250	595	2
10	994	235	667	2
11	899	274	632	2
13	988	244	665	2
13	1044	222	695	2
14	856	300	622	2
15	1010	221	735	1
16	966	246	685	2
17	990	230	703	2
18	921	256	674	2
20	878	274	665	2
20	994	227	730	2
21	912	260	690	2
22	902	264	669	2
23	719	344	791	2
24	975	233	681	2
25	1071	200	795	1
26	1071	200	790	1
27	1116	188	791	1
29	966	238	715	2
30	957	242	723	2
30	884	282	641	2

October

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01	1211	158	823	1
02	1002	225	708	2
03	1002	224	757	1
04	888	270	668	1
06	1067	213	707	2
07	976	234	664	3
07				
08	1078	200	693	3
09	1021	222	724	1
10	872	280	628	2
11	930	254	650	2
12	874	280	657	2
13	972	238	660	2
14	1069	200	691	1
15	930	254	621	2
16				
18	1101	200	714	1
19	1125	190	777	1
20	1167	174	750	1
21	985	236	706	2
21	878	279	643	3
22	1024	217	719	1
23	899	262	662	2
24	1030	211	645	3
25	1006	224	654	2
26	738	348	564	1
28	834	300	577	2
28	869	279	603	2
29	978	239	665	1
31	1027	224	726	1
31	1021	218	683	2

November

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01	978	240	654	1
03	982	236	679	2
04	838	300	581	2
05	954	248	662	1
05	826	307	592	2
06	893	273	639	2
07	893	273	639	2
09				
10	731	350	575	2
10	811	315	612	2
11	1000	234	689	2
12	1085	359	453	1
14	1090	276	613	3
14	899	273	637	1
15	914	268	642	3
16	985	357	523	3
17	966	252	611	1
18	833	300	554	1
19	1006	238	651	1
20	893	281	605	2
21	1097	202	668	1
23	948	258	625	1
24	905	274	624	1
24	884	286	615	1
25	850	300	605	1
26	957	253	635	1
27	930	264	604	3
28	896	274	593	1
29	804	317	554	1
30	777	234	484	1

December

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01	811	316	559	1
02	846	300	566	1
03	960	254	558	3
04	790	330	533	1
05	849	300	558	1
06	847	464	426	2
07	930	256	608	1
08	649	400	499	2
09	884	282	603	2
10	792	320	555	1
11	847	295	600	1
12	847	300	577	1
13	887	280	582	1
14	843	300	571	3
15	898	284	597	1
16	869	282	590	3
17	884	280	586	1
18	823	304	598	1
19	839	300	543	3
20	863	290	415	3
21	905	270	613	1
22	823	304	580	1
23	823	310	564	1
24	759	344	526	2
25	658	400	466	2
26	799	318	539	2
27	832	303	563	1
28	866	288	582	1
29	724	263	611	3
30	777	326	558	1
31				

Results of Radiosonde Observations,
TROPOPAUSE

MACQUARIE ISLAND, 1961

January

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01	1006	253	545	1
02	1140	215	587	1
03	793	346	401	2
04	777	346	505	1
05	939	277	525	1
06	1176	200	609	1
07	1207	191	646	1
08	934	280	532	2
09	994	256	563	1
10	1007	253	557	2
11	1183	200	609	2
12	1127	219	599	1
13	1152	207	624	1
14				
15	1210	192	581	1
16	1185	200	571	1
17	1110	224	568	2
18	754	364	445	2
19	1055	237	603	
20	1140	211	621	1
21	805	333	428	2
22	1152	207	644	1
23	1018	255	504	2
24				
25				
26	1176	200	611	1
27	1186	200	655	1
28	1112	224	565	1
29	1036	247	513	1
30	914	285	490	2
31	713	376	439	2

February

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01	966	268	532	1
02	1155	206	635	1
03	1070	234	585	1
04	1109	215	583	1
05	1073	228	593	1
06	1021	250	596	1
07	1026	247	615	1
08	686	388	417	1
09	893	293	529	1
10	904	287	555	1
11	927	283	578	2
12	1003	254	582	2
13	860	310	526	1
14				
15	1064	233	573	1
16	770	347	460	1
17	1090	219	614	1
18	1183	195	652	1
19	911	283	475	1
20	1058	233	546	2
21	917	282	506	1
22	933	282	550	1
23	1143	206	597	1
24	1045	245	596	1
25	1036	247	569	1
26	1003	257	587	1
27	1182	200	655	1
28	1158	207	647	1

March

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01	1119	216	594	1
02	879	300	429	1
03	1137	210	607	1
04	838	314	476	2
05	838	312	529	1
06	890	290	507	1
07	814	321	521	1
08	762	347	513	1
09	896	284	582	1
10	616	429	415	2
11	1146	208	633	1
12	1146	210	645	1
13	1143	211	606	1
14	945	281	559	1
15	1085	225	601	1
16	817	322	536	1
17	881	300	508	2
18	1166	200	654	1
20	975	264	561	1
20				
21	975	266	555	3
22	985	261	529	1
23	793	350	414	2
24	1146	207	586	1
25	860	312	488	1
26	1055	243	592	1
28	1006	254	522	2
28	1003	255	546	2
29	1103	219	606	1
30	881	294	534	1
31	732	354	502	1

April

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01	1213	183	625	1
02	1036	242	619	1
03	1235	183	705	1
04	1085	227	535	3
05	1179	200	626	2
06	1044	244	566	2
07	987	261	574	1
08	1235	185	696	1
09	1181	200	634	3
10	1128	215	622	2
11				
12	1006	246	545	2
13	1067	227	610	1
14	938	282	525	2
15	948	279	541	1
16	887	300	562	2
17	1082	234	599	1
18	1125	212	661	1
19	1116	218	639	1
20	1074	230	634	2
21	1064	231	637	1
22	1196	192	716	1
23	1067	229	598	1
24	756	349	510	1
25	942	269	609	1
26	841	309	517	1
27	1079	225	641	1
28	1079	226	609	1
29	1027	243	625	1
30	829	322	491	2

May

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01	930	275	583	1
02	933	270	524	1
03	948	265	577	1
04	1064	230	624	1
05	1143	207	664	1
06	1015	251	630	2
07	1067	228	640	1
08	899	290	554	2
09	957	219	657	2
10	1177	193	736	1
11	1128	207	707	1
12	1162	200	688	1
13	1162	200	709	2
14	1097	219	680	1
15	960	262	611	2
16	950	263	515	2
17	793	323	576	2
18	884	291	578	1
19	954	263	590	2
20	854	300	517	1
21	1052	233	685	1
22	1070	226	675	1
23	957	261	598	1
24	914	269	571	1
25	1052	227	669	1
26	738	356	472	2
27	1024	238	617	1
28	814	322	500	2
29	1021	238	639	1
30	924	270	567	1
31	950	265	604	1

June

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01	1058	223	652	1
02	899	286	571	2
03	1103	212	669	1
04	1076	225	683	1
05	1181	190	722	1
06	1139	200	692	1
07	1128	200	674	1
08	1015	243	659	1
09	1149	198	744	1
10	1082	219	697	1
11	1189	190	722	1
12	1164	204	690	1
13	1219	180	788	1
14	1018	238	647	1
15	925	269	571	5
16	998	242	653	1
17	716	361	499	2
18	884	292	589	1
19	1074	220	610	1
20	1012	238	605	1
21	982	253	664	1
22				
23	1012	243	645	2
24	793	323	591	1
25	872	285	580	3
26	861	290	560	1
27	794	324	527	3
28	712	370	513	2
29	864	300	587	3
30	1128	205	729	1

July

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01	1144	200	734	1
02	1144	200	719	1
03	1149	196	733	1
04	1110	205	696	1
05	1021	230	581	1
06	963	251	621	1
07	975	242	656	1
08	907	277	577	3
09	975	253	654	2
10	960	261	627	1
11	960	259	655	1
12	1061	223	738	1
13	966	255	656	2
14	887	287	564	2
15	1219	178	780	1
16	1076	222	691	1
17	1079	223	712	1
18	1143	200	714	3
19	1122	206	735	1
20	1076	219	721	1
21	982	250	594	3
22	1058	231	690	1
23	1189	191	756	1
24	1067	230	686	2
25	1145	200	743	1
26	1155	197	701	1
27	1253	167	794	1
28	1103	206	697	3
29	1052	222	670	1
30	848	300	555	2
31	878	289	601	2

August

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01	805	314	556	1
02	939	261	624	2
03	887	288	631	2
04	1141	200	786	2
05	1147	200	760	1
06	1052	233	647	1
07	1058	230	672	1
08	1067	225	666	2
09	991	250	613	1
10	936	272	564	2
11	1030	242	661	1
12	1116	212	687	1
13	1158	197	731	1
14	1082	219	656	1
15	1137	197	732	1
16				
17	1173	192	749	1
18	1128	205	743	1
19	1139	200	761	2
20	1067	180	749	2
21				
22	988	251	613	1
23	969	257	616	2
24	1150	200	711	1
25	1073	228	678	2
26	1186	186	746	2
27	1097	208	656	1
28	978	251	589	1
29	1036	234	629	1
30	1134	204	736	1
31	1128	207	712	2

September

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01	1018	244	669	1
02	1055	232	696	1
03	1131	205	681	1
04	1085	218	684	1
05	1113	266	634	1
06	899	287	524	1
07	1125	213	680	1
08	972	263	593	1
09	1244	174	770	1
10	1253	173	769	2
11	1177	196	671	1
12	968	260	605	1
13	969	252	571	1
14	972	247	575	2
15	884	293	593	2
16	963	263	623	1
17	1079	222	681	1
18	1030	237	640	1
19	1036	230	643	2
20	768	328	575	1
21	857	288	639	1
22	914	264	625	1
23	1036	233	658	1
24	899	287	554	2
25	805	324	484	2
26	1003	246	646	1
27	975	258	611	1
28	924	275	592	1
29	1024	238	671	1
30	1055	228	626	2

October

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01	975	255	617	1
02	854	300	582	2
03	985	251	625	1
04	753	350	540	2
05	954	262	561	3
06	1128	209	680	1
07	1079	222	664	1
08	975	257	605	1
09	963	257	663	1
10	1189	188	744	1
11	1189	192	719	1
12	1010	252	620	1
13	954	268	575	1
14	872	291	481	3
15	854	306	496	1
16	1000	252	568	3
17	945	274	581	1
18	1113	210	638	1
19	1036	241	560	1
20	1076	228	609	1
21	936	278	568	1
22	921	281	589	1
23	1018	244	630	1
24	896	289	552	1
25	1103	218	597	1
26	913	290	550	3
27	866	300	512	3
28	869	286	544	3
29	879	286	588	3
30	854	300	532	3
31	1128	208	659	1

November

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01	1237	180	705	2
02	1061	234	620	1
03	945	275	535	1
04	844	318	538	1
05	866	308	538	1
06	640	409	447	1
07	805	320	559	1
08	896	282	589	2
09	896	280	590	2
10	867	300	536	1
11	701	378	490	1
12	665	398	505	1
13	1070	216	638	1
14				
15	665	393	488	2
16	808	320	541	2
17	1045	234	621	1
18	1250	176	680	1
19	1230	186	653	1
20	1173	202	678	1
21	1129	217	608	1
22	914	292	517	2
23	1000	257	553	2
24	985	261	573	1
25	994	256	567	1
26	1128	213	652	1
27	1009	248	504	2
28	1165	200	684	1
29	1085	224	664	2
30	994	255	601	1

December

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01	913	223	502	1
02	1067	231	615	1
03	969	262	557	2
04	1006	231	624	1
05				
06	1139	200	475	4
07	999	247	561	2
08	756	354	510	1
09				
10	793	337	456	4
11	1067	230	582	3
12	991	258	505	1
14	829	318	489	1
14	1088	224	600	1
15	1061	246	576	2
16	1061	244	558	2
17	1201	200	595	1
18	1082	231	557	1
19	725	385	399	4
20				
21	982	266	579	1
22	1018	251	572	1
23	999	256	537	2
24	997	261	554	1
25	1079	228	599	1
26	1116	222	615	2
27	1128	216	557	3
28	1128	218	576	1
29	1012	247	582	1
30	771	355	471	1
31	1088	231	561	1

Results of Radiosonde Observations,
TROPOPAUSE

MAWSON , 1961

January

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01	908	274	577	2
02	924	270	598	1
03	805	323	534	2
04	856	300	556	1
05	817	320	519	1
06	771	346	445	2
08				
08	808	330	471	2
09	838	311	525	1
10				
11	963	257	577	2
12				
13	849	300	563	2
14	847	300	559	1
16	850	300	579	2
16	852	300	554	1
17	823	312	530	1
18	793	330	530	1
19				
21	799	323	562	1
21	753	347	528	1
22	780	331	518	2
23	847	300	544	1
24				
25				
26	837	300	490	1
27	716	360	508	2
29	845	300	537	2
30	793	330	539	2
30	704	374	457	1

February

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01	790	328	527	1
02	832	312	501	1
03	823	318	516	1
04	901	252	559	1
05	963	260	569	1
05				
06				
07	927	270	598	3
08	924	272	580	3
10	939	265	597	1
11	856	300	558	2
12	850	300	566	2
12	902	279	540	3
13	922	247	545	3
14	939	266	577	3
15				
16				
17				
18				
19				
20				
21				
23	829	319	492	3
23	735	360	520	1
24	738	361	500	1
26	802	313	531	1
26				
27				

March

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01	924	275	578	1
02	783	332	529	2
02				
03	869	288	560	3
05	872	291	564	1
06	919	258	604	1
06				
08	780	324	557	3
08	747	342	535	1
10	772	330	530	1
10	777	322	542	1
12	777	326	558	1
12	805	315	579	2
13	713	358	540	3
15	843	300	568	1
15	1000	246	589	1
16				
17				
18				
19	762	340	517	2
21	866	285	525	1
22	680	375	508	1
22	707	363	534	3
23				
24	760	338	516	2
25	837	300	532	3
26	837	300	551	3
28	762	333	527	2
28	876	283	599	3
29	762	338	535	4
30	896	276	582	3
31	791	350	487	1

April

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01				
02	893	280	576	1
04	902	278	543	1
04				
06	701	368	542	2
06	731	352	542	2
07	884	283	588	1
08	885	280	596	3
09	762	340	526	2
11	924	266	529	3
12	951	255	578	3
12	975	245	618	1
14	890	280	584	2
14	846	300	583	2
15	843	300	560	4
16	849	300	580	1
17	774	335	545	1
18	739	349	498	1
19	783	324	530	1
20	615	384	478	3
21	982	245	603	3
23	991	244	616	3
23				
25	939	254	627	1
26	828	300	584	4
27	968	241	662	3
27	869	282	632	1
28	814	300	623	3
29	753	332	595	3

May

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01	732	341	544	3
02	689	366	548	3
02				
03				
05	913	266	602	1
06	719	350	537	2
07	707	360	534	2
07	771	327	545	1
08	663	384	499	1
10	893	274	583	3
10	945	254	626	1
11	933	255	634	3
13	827	300	545	3
13	863	290	591	2
14	836	300	595	1
15	885	275	602	1
16	963	248	651	3
17	899	274	637	2
18	915	260	590	3
19				
20	665	379	533	2
22	786	314	598	3
22	957	244	633	3
24	837	300	602	2
24	914	271	623	3
26	1049	220	675	3
26	975	247	670	2
27	951	255	650	1
28	887	279	607	3
30	1030	225	695	1
30	954	250	603	3
31	836	300	617	3

June

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01				
03	875	269	626	2
03	863	279	627	2
04	933	256	621	3
06	1103	210	713	1
07	1167	191	751	1
07	1106	210	717	1
08	887	288	608	1
09				
10	1024	225	615	3
11	975	242	632	2
12	997	233	641	1
13				
15	918	260	606	3
15	821	300	605	3
17	819	300	603	2
17	893	266	615	3
19	966	233	616	3
20	972	235	642	3
20				
21				
23	821	300	606	3
23	975	247	674	3
24	1006	227	738	2
25				
26				
27	939	253	649	2
28	1192	171	826	1
29				
30				

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July

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01	1006	224	731	2
02	954	244	690	2
03	939	253	682	2
04	1012	223	744	3
05	994	225	707	3
07	890	267	687	2
08	793	312	654	1
08				
09	988	224	717	1
10	1056	200	726	4
12	1056	200	730	4
13	884	265	700	2
13	936	242	703	4
15				
15	924	244	723	4
17	942	241	717	4
17	905	256	658	4
18	939	245	645	2
19	930	255	672	4
21	1033	221	780	2
21	1000	228	784	2
22	1079	200	718	4
23	872	276	676	2
24	975	231	617	4
25	794	300	606	4
26	787	300	595	4
27	793	300	580	4
28	857	275	653	3
29	988	221	718	2
30	1056	200	711	4
31	939	242	685	4

August

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01				
02	1128	182	759	3
03	1000	223	663	4
04	872	282	656	3
05	819	300	635	2
07	1000	220	686	3
08	1004	220	734	3
09	905	255	684	4
09	918	237	671	4
10	899	246	663	2
12	954	239	718	2
12				
13				
15	1000	227	674	4
15	966	238	677	4
16	960	235	701	4
18	1050	200	752	4
19	863	272	671	4
20				
21	1055	200	748	4
21	877	275	648	4
22	975	252	715	1
23	1067	200	737	4
25	914	262	704	2
25				
26				
27	869	270	683	2
28				
29	930	252	704	2
30	1033	222	738	1
31	1222	160	855	1

September

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
02	1191	174	832	1
02				
03	1143	179	793	1
04	975	232	732	1
05				
07	954	245	661	2
07	1003	232	585	8
08	1058	218	696	1
10	1194	180	789	1
10	1131	190	771	1
11	1104	200	734	1
12	1101	200	742	1
14	1012	230	719	1
14				
15	1092	200	738	3
17	1137	182	761	2
18	1242	150	776	4
18	1332	128	787	4
20	1077	200	727	4
20	997	228	707	2
22	914	254	673	4
22	1056	200	701	4
23	945	240	692	2
24	1086	200	745	2
25				
27	741	339	618	2
27				
28				
29	991	233	730	2

October

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01	1277	150	844	1
01				
03	890	269	683	2
03	881	276	678	2
04	991	238	682	2
05	1104	200	664	3
06	927	260	655	2
07	1033	215	710	4
08	994	230	708	1
09	1074	200	676	4
10	975	236	684	3
12	1015	236	654	2
12	875	277	688	4
13	924	255	688	4
14	1075	200	701	4
15	1093	200	700	1
17	1095	248	638	2
17	1086	200	724	1
18				
19	945	245	670	2
20				
21				
23				
23	1018	231	691	2
24	997	228	664	2
25	1006	228	659	1
26				
27	982	237	621	3
28	969	239	583	4
29	820	300	533	3
30	857	289	579	1

November

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01	960	249	630	3
01	991	233	663	3
02	975	239	673	1
03	933	254	652	3
04	904	266	644	4
05	975	238	632	3
06	963	242	634	3
07	920	263	639	2
08	1039	217	695	1
09	957	243	687	1
10	945	250	671	1
11	975	240	650	4
12	985	238	661	1
14	902	270	624	2
14	934	257	610	3
15	1024	230	588	3
16	1076	222	659	1
18	854	300	580	2
18	991	240	628	1
19	1027	228	682	3
21	982	245	614	3
21	1055	220	657	1
22	957	251	624	1
23	924	265	598	3
24	969	250	600	3
25	852	300	588	4
26	930	266	607	1
27	908	275	596	1
29	878	287	534	3
29	731	352	496	2
30	841	300	537	3

December

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01				
03	847	300	582	1
03	753	346	516	2
04	939	258	562	3
06	842	300	574	2
06	840	300	572	3
07	830	300	568	3
09	832	300	584	1
09	839	300	556	3
10	863	287	589	3
11	805	317	566	2
12	789	328	552	2
13	893	275	614	1
15	842	300	594	1
15	777	330	563	2
16	765	336	548	2
17	845	300	527	4
18	817	312	566	1
19	814	311	519	1
20	890	276	573	3
21	756	340	528	2
22	848	300	524	4
23	966	254	539	3
24				
25	978	249	608	1
26	847	300	570	1
27	786	325	549	2
28	755	342	534	1
29	836	300	520	3
30	831	300	523	3
31	905	270	558	3

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January

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01	813	322	493	1
02	957	258	560	1
03	916	281	541	1
04	864	301	526	1
05	876	292	514	1
06	888	286	588	1
07	864	294	561	1
08	894	283	570	1
09	829	314	495	1
10	898	285	528	2
11	800	337	450	3
12	934	266	578	1
13	883	290	548	1
14	927	271	572	1
15	856	298	542	1
16	802	322	508	1
17	863	292	567	1
18	908	279	568	1
19	878	294	543	1
20	847	304	537	1
21	913	283	527	1
22	896	284	558	1
23	898	282	527	1
24				
25	890	289	543	1
26				
27	776	333	452	1
28				
29	853	304	501	1
30	990	249	560	1
31				

February

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01				
02	810	314	493	3
03	830	308	542	3
04	813	316	541	1
05	800	322	521	1
06	854	304	573	1
07	902	284	551	1
08	930	271	549	3
09	941	268	572	3
10	913	277	429	3
11	795	331	535	1
12	880	293	575	1
13	959	261	563	1
14	885	288	541	1
15	828	330	505	3
16	984	256	577	1
17	797	333	477	2
18	1060	227	594	1
19	1103	219	595	3
20	1101	232	610	1
21	1110	221	605	3
22	1097	266	552	2
23	1091	282	558	1
24	980	255	621	1
25				
26	872	296	557	3
27				
28	814	318	517	1

March

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01	830	312	539	1
02	844	305	518	2
03				
04	939	267	532	2
05	918	269	558	1
06	822	306	544	2
07	805	314	523	2
08	788	327	545	1
09				
10	689	376	481	2
11	862	293	580	1
12	813	315	565	3
13	877	284	588	1
14	836	300	578	2
15	848	295	572	2
16				
17	795	323	538	1
18	713	362	465	3
19	835	300	570	1
20	917	268	576	1
21	1004	238	558	1
22	904	274	561	1
23				
24				
25	896	282	568	1
26	802	320	519	1
27	903	286	539	1
28				
29	869	302	525	2
30	1008	250	551	3
31				

April

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01	764	347	496	1
02	936	268	537	3
03	827	313	523	2
04	852	301	535	2
05	925	266	574	1
06	757	339	519	2
07	760	332	521	3
08				
09	737	348	520	3
10	805	314	563	2
11	768	336	525	2
12	947	263	585	3
13	889	280	579	2
14				
15	846	300	522	3
16	896	280	572	1
17	829	310	553	2
18	790	324	562	2
19	755	342	555	2
20	924	268	573	3
21	893	280	564	2
22	789	320	563	2
23	769	324	535	1
24	780	322	522	3
25	710	358	484	3
26	823	309	567	1
27	810	309	537	3
28	867	285	623	1
29	870	284	613	1
30	840	296	608	1

May

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01	855	290	607	2
02	1112	200	673	1
03				
04				
05	918	262	602	2
06	873	287	591	1
07	950	257	597	2
08	1043	227	648	3
09	773	330	534	1
10	826	304	540	2
11				
12				
13				
14				
15				
16				
17	953	264	676	2
18	890	273	618	2
19	978	238	674	1
20	960	244	670	2
21	919	266	663	3
22	871	279	627	2
23	920	258	628	3
24	791	317	577	3
25	841	294	616	2
26	1100	200	678	2
27				
28				
29	883	284	619	2
30	936	258	632	2
31				

June

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01	875	281	575	2
02	819	298	523	2
03	965	245	628	2
04				
05				
06				
07				
08	1139	193	734	1
09	947	253	599	2
10	885	275	596	3
11	878	275	628	3
12	888	276	640	3
13	875	284	635	3
14	797	324	550	3
15	1110	205	686	1
16	1110	207	645	1
17				
18				
19	959	242	616	2
20	1003	227	603	3
21				
22				
23				
24	917	261	657	2
25	942	250	648	2
26	1053	214	689	1
27	917	260	638	2
28	1014	225	667	3
29				
30	842	298	614	3

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July

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01	981	242	666	2
02				
03				
04				
05				
06				
07				
08				
09	1010	219	722	3
10	1058	208	716	3
11				
12				
13	1089	274	645	3
14				
15	1088	274	612	3
16				
17				
18	995	236	648	3
19	982	234	683	1
20	852	288	643	2
21	843	286	645	3
22	1044	202	679	3
23	930	243	638	3
24	909	256	690	3
25				
26				
27				
28	1020	215	705	1
29	740	332	655	2
30				
31	931	256	689	2

August

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01	1173	175	814	2
02	895	273	658	3
03	1058	209	759	2
04	1137	178	692	3
05	865	271	572	3
06	698	358	536	3
07	862	275	579	3
08	891	262	593	3
09	1049	204	698	3
10	948	240	693	3
11	818	298	637	3
12	889	266	635	3
13	936	257	625	3
14	1020	224	755	2
15	908	264	678	3
16	977	233	660	3
17	820	301	646	3
18	1143	177	755	3
19				
20				
21	987	229	701	3
22	1011	220	724	3
23	1241	155	859	1
24				
25	1057	211	687	3
26	1159	183	810	2
27				
28	1098	202	643	3
29	1038	222	727	1
30				
31	1127	193	782	3

September

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01	1078	204	770	2
02	1032	216	740	2
03	1058	206	710	3
04	1000	228	710	3
05	1153	176	773	2
06	935	254	684	3
07	1085	196	725	3
08	1058	214	754	3
09				
10	850	297	609	1
11	859	292	617	1
12	1209	172	663	2
13	1009	239	692	3
14	1058	218	637	1
15	859	298	609	1
16	950	253	616	2
17				
18	1027	217	686	1
19	1197	163	740	2
20	1010	223	745	3
21	1030	213	746	3
22	1032	212	680	3
23	967	238	669	3
24	902	266	672	3
25	1260	144	746	3
26	1260	142	733	3
27	1261	144	753	3
28	1112	192	800	2
29	1187	168	784	2
30	1120	189	777	2

October

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01				
02	1266	142	728	2
03	1051	205	714	2
04	1104	185	717	3
05	880	266	650	3
06	1036	205	682	3
07	776	314	587	3
08	966	242	667	2
09	1160	176	734	2
10	984	238	665	3
11	1101	196	710	2
12	1069	206	724	1
13	976	242	647	3
14	969	249	645	3
15	1020	224	697	3
16	998	230	692	3
17	1019	222	628	2
18	1130	191	676	1
19	1022	228	645	1
20	1094	200	686	3
21	1040	217	701	2
22	990	233	670	2
23	997	236	670	2
24	913	263	638	3
25	851	284	618	3
26	837	292	590	3
27	956	246	611	3
28	955	250	621	3
29	955	253	634	3
30	1027	229	688	1
31	987	240	668	2

November

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01	867	287	605	3
02	899	277	575	3
03	973	250	615	1
04	955	255	637	1
05	899	275	625	2
06	868	287	595	3
07	963	246	620	2
08	832	305	556	2
09	945	264	602	2
10				
11	988	234	599	2
12	971	247	637	2
13	1066	221	618	2
14	933	264	611	1
15	914	269	601	1
16	938	261	615	2
17				
18	700	368	514	2
19	771	329	540	3
20	821	306	481	2
21	842	301	515	2
22	950	257	530	3
23	972	252	620	1
24	849	309	536	2
25				
26	805	319	559	2
27	810	317	544	3
28	859	294	576	3
29	950	254	582	1
30	879	283	580	2

December

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01	871	285	581	1
02	843	299	541	2
03	773	334	515	3
04	970	253	510	2
05	875	290	511	3
06	758	338	488	1
07	990	248	528	1
08	879	290	474	3
09	815	320	515	3
10	914	275	569	1
11	859	297	551	1
12	848	303	554	1
13	819	313	555	2
14	817	311	525	2
15	887	278	556	1
16	857	294	560	2
17	755	344	510	3
18	839	299	578	2
19	875	285	571	1
20	846	298	573	1
21	837	307	546	1
22	811	320	529	1
23	759	346	480	3
24	810	316	559	1
25	850	296	591	1
26	792	323	577	3
27	818	313	569	1
28	923	266	557	1
29	858	294	537	1
30	850	293	574	1
31	907	269	574	1

January

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01	836	313	510	2
02	856	304	526	1
03	993	249	574	1
04	834	316	479	2
05	778	340	490	2
06	887	287	540	1
07	860	297	566	1
08	882	287	574	1
09	800	328	526	2
10	915	276	522	1
11	798	328	481	1
12	931	270	545	1
13	946	264	562	1
14	900	283	544	3
15				
16	850	300	532	1
17	920	316	541	3
18	905	277	578	3
19	843	320	515	2
20	873	291	540	2
21	823	319	508	3
22				
23				
24	960	279	554	1
25	840	308	515	1
26	819	317	512	3
27				
28	762	336	510	3
29	873	294	570	1
30	1000	249	524	2
31	885	289	500	1

February

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01	923	277	543	1
02				
03				
03	859	290	533	1
04	762	343	553	3
06	920	272	575	1
07	849	318	511	1
08	967	256	579	1
09	831	290	545	1
10				
11	800	326	517	1
12	899	284	565	1
13	930	271	547	2
14	827	314	516	3
15	897	286	551	2
16	920	279	522	2
17	900	288	498	3
18	900	288	524	3
19	1132	212	565	3
20	1082	284	486	3
21	1109	227	595	2
22				
23	1086	306	515	2
24	1004	246	613	1
25	1019	241	612	1
26				
27	857	298	515	2
28	813	313	505	1

March

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01	810	330	512	1
02	818	318	527	2
03	801	322	514	1
04	874	292	525	2
05	900	280	545	1
06	800	318	518	2
07	803	313	543	1
08	819	308	558	1
09	805	315	486	2
10				
11	711	366	497	3
12	889	282	575	1
13	873	286	595	1
14	847	297	579	1
15				
16	758	338	508	3
17	803	314	503	1
18	729	354	512	1
19	730	346	474	2
20	854	293	566	1
21	947	257	583	1
22	923	266	541	1
23	880	284	557	1
24	748	345	554	1
25	848	299	529	1
26				
27	936	266	520	1
28				
29	832	312	535	3
30	1100	214	591	1
31	1150	202	637	1

April

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01				
02	648	417	433	2
03	856	302	527	2
04	860	297	550	1
05	831	309	516	2
06	791	325	535	3
07	801	312	515	1
08	809	309	540	2
09	803	315	536	2
10	779	327	540	2
11	765	335	535	2
12	917	268	542	2
13	953	261	577	2
14	903	283	601	2
15				
16	760	345	575	3
17	840	305	560	2
18	806	318	557	3
19	762	337	536	3
20	869	289	550	3
21	911	276	586	2
22				
23	778	324	547	2
24	812	303	538	1
25	788	318	528	1
26	860	292	540	3
27	850	295	547	2
28	792	317	582	1
29	849	292	614	3
30	873	281	605	1

May

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01	842	294	615	1
02	940	260	625	3
03				
04	998	238	660	1
05				
06	842	297	597	3
07	743	345	527	3
08	1061	218	670	3
09				
10	854	293	570	3
11	817	307	555	2
12				
13				
14				
15				
16	768	334	510	1
17				
18	948	252	639	1
19				
20	920	261	651	2
21	902	268	628	2
22				
23	851	288	625	3
24	977	238	606	3
25	743	339	550	3
26	873	285	590	3
27	1118	197	680	2
28	860	295	595	3
29	930	262	627	3
30	880	282	624	2
31	920	261	611	2

June

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01	958	247	605	2
02	873	277	576	2
03	899	266	570	3
04				
05	1107	200	684	2
06				
07	1111	208	748	1
08	1161	188	746	2
09	992	236	652	2
10	885	273	568	3
11	904	261	637	2
12	967	242	665	2
13	875	280	629	3
14	925	264	588	3
15	944	258	554	3
16	1150	194	748	1
17	1023	235	666	3
18	953	251	575	2
19	865	286	604	3
20	916	258	615	2
21	920	223	655	1
22				
23				
24	950	247	670	1
25	860	286	644	2
26	889	272	625	2
27	868	283	637	2
28	928	257	681	1
29				
30	944	253	660	2

Results of Radiosonde Observations, 2300 Hours

TROPOPAUSE

WILKES, 1961

July

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01	972	240	625	2
02	1014	230	683	2
03				
04				
05				
06				
07	1066	219	663	2
08	1069	214	683	1
09	1119	192	732	3
10	989	233	716	3
11	1007	226	728	3
12				
13	849	290	646	3
14	990	236	681	3
15	791	314	609	3
16				
17	842	293	645	2
18	1025	224	699	1
19	1011	224	630	3
20	930	254	706	2
21	984	231	642	3
22	841	283	624	3
23	1098	185	670	3
24				
25	930	250	706	3
26				
27				
28	742	336	642	2
29	851	278	659	3
30	931	242	702	3
31	850	282	706	2

August

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01	1036	214	706	3
02	1047	216	765	2
03	1079	202	743	2
04	1051	208	740	2
05	891	266	617	3
06	945	244	574	3
07	945	242	679	3
08	911	257	546	3
09	1056	202	646	3
10	968	235	644	3
11	850	281	648	3
12				
13	1040	212	645	3
14	1062	210	724	2
15	966	238	670	3
16				
17	960	236	645	2
18	1110	186	734	3
19				
20				
21	1081	192	760	2
22	1019	218	723	3
23	1059	206	755	3
24				
25	1006	227	652	2
26	1100	202	762	3
27	1105	203	780	1
28	1092	209	722	2
29				
30	1262	150	690	3
31	1070	212	745	3

September

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01	1132	190	761	3
02	1074	202	755	2
03	1050	208	724	3
04	995	230	703	1
05	1088	196	765	3
06	1016	224	721	3
07	732	345	619	3
08	869	283	671	3
09				
10	1062	211	629	2
11	859	292	625	1
12	944	258	609	3
13	1005	239	685	2
14	910	280	632	2
15	904	281	621	2
16	892	278	583	2
17	990	237	639	2
18	897	295	605	1
19	1059	205	723	2
20	1085	197	740	3
21	1045	210	706	3
22	1059	202	706	2
23	997	227	680	3
24	1038	212	713	3
25	1063	204	709	3
26	908	259	681	3
27	1057	202	684	3
28	1164	173	743	2
29	1061	210	749	2
30	1130	186	784	3

October

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01	1115	187	783	2
02	853	278	633	2
03	1130	179	710	2
04	940	245	672	2
05	992	220	688	3
06	925	246	685	2
07	870	269	631	3
08	920	253	615	3
09	1080	202	707	2
10	1479	105	699	2
11	1158	180	703	2
12	1037	218	711	2
13	1043	216	685	2
14	1050	217	668	2
15	1091	201	694	1
16	1040	215	701	2
17	913	263	635	3
18	1057	210	565	3
19	1070	212	672	2
20	975	245	672	2
21	1034	216	711	2
22	1060	212	622	2
23	943	249	632	3
24	992	230	677	2
25	856	285	612	3
26	852	286	615	3
27	992	229	598	3
28	928	259	610	3
29	1003	230	614	3
30	976	245	670	2
31	937	226	686	2

November

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01	951	251	630	2
02	910	269	576	2
03	936	263	595	1
04	982	242	625	1
05	947	259	633	1
06	980	241	609	2
07	909	272	589	2
08	941	255	632	2
09	1090	211	666	2
10	908	270	544	2
11	920	263	588	2
12	903	271	561	2
13	875	286	576	2
14	1177	184	655	1
15	917	267	575	2
16	961	250	643	1
17	1070	207	656	1
18	851	298	523	3
19	922	262	565	2
20	931	261	638	1
21	871	370	436	2
22	890	281	535	2
23	957	260	568	1
24	953	262	617	1
25	1023	236	610	1
26	779	335	517	2
27	780	332	565	1
28	878	287	585	1
29	893	279	585	3
30	873	288	566	3

December

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01	846	299	563	1
02	887	281	581	1
03	740	351	503	3
04	840	303	545	1
05	940	264	540	1
06	736	355	458	3
07	767	336	449	2
08	1033	235	561	1
09	788	331	495	3
10	925	272	565	1
11	893	281	547	1
12	870	292	561	1
13	828	309	564	1
14	788	327	534	3
15	702	370	510	3
16	860	291	561	1
17	810	317	544	2
18	809	317	528	2
19	779	330	534	2
20	798	322	550	2
21	881	283	557	2
22	802	321	532	1
23	949	263	573	1
24	790	328	535	1
25	849	298	565	2
26	840	300	581	2
27	800	320	574	2
28	880	284	551	2
29	811	315	551	2
30	829	304	548	1
31	841	297	572	1

Results of Upper Wind Observations,
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MONTH	DAY	HOUR	SURFACE		1000 FEET		3000 FEET		5000 FEET		7000 FEET		10,000 FEET		15,000 FEET		20,000 FEET		25,000 FEET		30,000 FEET		35,000 FEET	
		GMT	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt
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1	02	06																						
1	02	12																						
1	02	23																						
1	03	06																						
1	03	12																						
1	03	23																						
1	04	06	22	12	20	10	17	10	08	07	09	11	08	07	05	16	36	12						
1	04	12	18	19	20	12	16	02	12	08	11	18	13	12	06	09	05	08	02	19	01	29		
1	04	18	10	02	07	06	11	05	08	07	11	04	13	10	07	03	02	12	01	16	04	13		
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1	15	06																						
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1	15	23																						
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1	17	12																						
1	17	23																						
1	18	06																						
1	18	12																						
1	18	23																						
1	19	06																						
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1	19	23																						
1	20	06																						
1	20	12																						
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1	21	12																						
1	21	23																						
1	22	06																						
1	22	12																					25	06
1	22	23	13	05	10	08	06	09	24	02	20	07			28	05	36	05						
1	23	06																	29	10				
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1	23	23	04	17			06	24	04	10	03	11	35	06	35	14	30	19						
1	24	06																						
1	24	12																						
1	24	23																						
1	25	06									06	07	08	60	06	17	08	04	00	00	02	07	31	08
1	25	12	08	20							07	32	07	10	07	09	08	14	09	20	18	07	33	11
1	25	23	07	16	08	32	05	41	07	10														
1	26	06									08	08	18	01	27	05	10	10	10	05	31	04	33	05
1	26	12	25	04							15	08	02	18	14	06	16	10	08	18	09	12	35	05
1	26	23	00	00	07	14	04	16	04	06														

Results of Upper Wind Observations,
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MONTH	DAY	HOUR	SURFACE		1000 FEET		3000 FEET		5000 FEET		7000 FEET		10,000 FEET		15,000 FEET		20,000 FEET		25,000 FEET		30,000 FEET		35,000 FEET	
		GMT	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt
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2	02	06	36	02	03	05	05	19	05	14	07	17	05	12	04	15								
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2	02	18	05	10	04	15	04	14	03	25	03	21	06	18	02	22	03	28	03	47				
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2	04	18	13	01	09	03	00	00	19	04	21	05	17	05	18	07	22	12	24	21	23	25		
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2	05	12	02	21			02	17	06	17	05	05	29	12	12	10	24	22						
2	05	18	03	20	04	15	05	28	05	30	05	22												
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2	06	18																						
2	06	23	07	30	04	15	04	30	04	37	01	31	11	41	10	08	07	11	00	00	06	43	35	13
2	07	06	07	20	06	14	05	32	08	12	07	20												
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2	07	18	05	16	06	25	05	39	05	26	08	19	08	25	08	15	10	05	09	07	10	04		
2	07	23	07	12	05	12	03	13	07	31	07	27	10	19	10	12	21	05	18	07	20	03	26	03
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2	08	12	05	20	10	10	03	12	14	08	08	14	06	12	25	03	30	06	28	06	32	02	27	03
2	08	18	05	08	06	12	05	12	05	16	08	11	09	05										
2	08	23	11	05							07	20	10	39	17	12	19	13	22	47	21	53	24	12
2	09	06	06	13	04	09	07	07	08	18	06	19	08	18	09	17	11	11	17	21	15	04	19	01
2	09	12	05	16	04	32	07	43	02	36	39	25	08	11	12	06	15	14	21	07	13	07	22	05
2	09	18	05	15	05	18																		
2	09	23	07	19	08	26	06	20	05	15	08	29	10	12	09	26	12	18	17	21	12	10	15	05
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2	11	12	03	06	09	07	06	15	07	13	06	12	06	10	02	09	35	13	36	04	01	03	04	03
2	11	18	04	07	05	17	04	16																
2	11	23	04	07	09	30	01	15	06	11	09	01	11	09	06	12	11	25	04	13	16	14	11	07
2	12	06	04	17	03	12	08	12	06	12	04	09	34	06	09	08	11	08	13	11				
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2	12	18	00	00	07	03	05	16	07	12	07	13	05	11										
2	12	23	11	05					07	05	26	19	18	08	11	36	09	12	16	07	23	06	16	08
2	13	06	09	14	06	21																		
2	13	12	04	12	06	12	06	32	05	39	06	23	06	24	05	27	04	26	07	17	36	07	29	07
2	13	18	05	14	06	07																		
2	13	23	06	06	07	16	06	12	06	17	06	21	06	28	06	17	06	27	06	54	04	25	03	33
2	14	06	04	25	03	17	06	19	05	09	06	17	06	24										
2	14	12	02	11	07	12	36	12	07	15	06	22	06	22	06	25	06	22	05	18	30	10	30	13
2	14	18	05	21	04	18	04	20	05	14	06	12	05	18										
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2	15	06	03	17	05	07	06	07																
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2	15	18	07	26	05	16	05	30	05	26														
2	15	23	07	22	07	38	04	60	05	72	10	47	11	11	08	43	36	07	01	19	04	19	01	19
2	16	06																						
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2	16	18																						
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2	17	06	05	23	06	14																		
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2	17	18	11	12	06	14	06	24																
2	17	23	07	37	08	63	07	100	05	44	06	49	07	82	35	23	01	48	36	52	36	09	33	65

Results of Upper Wind Observations,
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MONTH	DAY	HOUR	SURFACE		1000 FEET		3000 FEET		5000 FEET		7000 FEET		10,000 FEET		15,000 FEET		20,000 FEET		25,000 FEET		30,000 FEET		35,000 FEET	
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2	18	12																						
2	18	18																						
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2	19	06																						
2	19	12																						
2	19	18																						
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2	20	06																						
2	20	12																						
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2	21	06	09	17	09	30	08	57	06	60														
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2	21	18																						
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2	23	06																						
2	23	12																						
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2	24	18	07	17	07	17	07	22	05	22	05	19	02	22	01	19								
2	24	23	12	08							05	05	18	16	03	15	04	16	03	11				
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2	25	18	09	04	05	11	05	12	05	12	03	18	03	14										
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2	26	12	06	20									05	71	04	20	35	11	30	14				
2	26	18	04	26	06	22																		
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3	01	18																						
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3	02	06																						
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3	04	18																						
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3	05	12	02	14			06	12	16	14	22	07	26	07			29	12	27	15	25	16	25	19
3	05	18	07	07	08	12	07	04	21	19	22	09												
3	05	23	06	08	07	10	20	04							25	32	25	50	24	58	25	76	25	45
3	06	06																						
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3	07	06																						
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3	07	18																						
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3	08	18																						
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3	09	07	15	08	10	10	05	17	08	12	07	13	09	13										
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3	09	18																						
3	09	23																						
3	10	06																						
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3	10	18																						
3	10	23	05	11	08	37	05	39	05	31	03	24	06	29			06	12			01	20	06	17

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MONTH	DAY	HOUR	SURFACE		1000 FEET		3000 FEET		5000 FEET		7000 FEET		10,000 FEET		15,000 FEET		20,000 FEET		25,000 FEET		30,000 FEET		35,000 FEET	
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3	11	18																						
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3	12	06																						
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3	12	18																						
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3	13	18					06	03	18	7	19	09	35	15										
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3	14	05	09	06	07	13	29	09	25	13	26	15	26	20	27	18	27	14	29	16	27	17	24	22
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3	14	18	12	08	17	04	27	02	25	4	25	08	22	14										
3	14	23																						
3	15	06																						
3	15	12	06	06							27	16	27	16	27	18	27	19	24	27	25	29	25	24
3	15	18																						
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3	16	06	16	06	18	12	22	19	21	17	22	17	22	22	23	35								
3	16	12	13	04	17	09	22	11	21	21	22	15	22	18	23	53	24	77	25	120	25	66	25	87
3	16	18	10	08	05	05	08	02	27	02	20	04	23	15	24	25	23	50						
3	16	23	14	06	08	09	05	33	11	09	09	14	10	04	25	11	27	28	26	47	26	54	27	53
3	17	06																						
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3	18	06																						
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3	18	18	13	14	12	07	03	14	06	23	13	29	17	04	15	16	19	13	15	08	18	07		
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3	22	18																						
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3	23	18	09	08	04	10	03	06	03	11	36	05												
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3	23	23	06	09	07	15	07	07	05	10	05	02	03	03	02	10	05	19	06	31	07	42	05	14
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3	24	18	07	06	04	13	04	05	05	05	01	04	29	10	04	08	06	14	07	22	08	25		
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3	25	06	03	14	04	16	08	08	20	09	27	02	27	13	35	08	05	11	09	12	29	03	26	11
3	25	12	04	10			07	08	36	05	33	16	01	13	02	08	06	09	24	07				
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3	27	06																						
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3	27	18																						
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3	31	18																						
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MONTH	DAY	HOUR	SURFACE		1000 FEET		3000 FEET		5000 FEET		7000 FEET		10,000 FEET		15,000 FEET		20,000 FEET		25,000 FEET		30,000 FEET		35,000 FEET	
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4	03	18	13	09	09	10	05	06	10	12	06	05	19	03										
4	03	23	13	10	07	16	06	13	06	11	11	09	32	10	28	19	23	43	26	43	26	57	26	58
4	04	12	00	00	10	13	05	23	06	09	06	12	36	10	35	18	01	22	02	42	01	37	33	43
4	04	23	04	17	06	27	05	26	06	11	04	20	01	08	03	23	05	18	03	31	02	28	34	20
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4	06	12	13	04	17	09	01	06	13	08	19	12	17	09	29	12	31	23	30	19	32	15	32	19
4	06	01	15	04	12	12	29	05	28	06	09	12			05	34	26	10	33	28	31	24	32	20
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4	08	23	13	08			17	10	24	17	25	23	26	31	27	37	28	33	27	45				
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4	10	12	26	10	22	10	33	04	03	01	24	13	25	15	25	21	25	28	25	35	26	39	25	51
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Results of Upper Wind Observations,
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MONTH	DAY	HOUR	SURFACE		1000 FEET		3000 FEET		5000 FEET		7000 FEET		10,000 FEET		15,000 FEET		20,000 FEET		25,000 FEET		30,000 FEET		35,000 FEET	
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5	06	06																						
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5	06	23	06	37	07	60	04	62	04	64	04	25	05	09	02	31	03	44	35	39	35	40	30	37
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5	31	06																						
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Results of Upper Wind Observations,
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MONTH	DAY	HOUR	SURFACE		1000 FEET		3000 FEET		5000 FEET		7000 FEET		10,000 FEET		15,000 FEET		20,000 FEET		25,000 FEET		30,000 FEET		35,000 FEET	
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6	03	23																						
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6	15	23																						
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Results of Upper Wind Observations,
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MONTH	DAY	HOUR	SURFACE		1000 FEET		3000 FEET		5000 FEET		7000 FEET		10,000 FEET		15,000 FEET		20,000 FEET		25,000 FEET		30,000 FEET		35,000 FEET	
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7	22	06	12	07	10	04	22	06	23	13	21	16	22	23	24	36	23	39	23	44				
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7	22	23	05	08	04	22	03	12	28	12	26	17	26	29	26	40	27	34	26	40	26	82	26	68
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8	01																							
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8	01	23																						
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8	02	23																						
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8	03	23																						
8	04																							
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8	05	06	00	00			14	20	09	13	09	08	11	09	08	10	06	10	10	07	25	02	26	18
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8	09																							
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Results of Upper Wind Observations,
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MONTH	DAY	HOUR	SURFACE		1000 FEET		3000 FEET		5000 FEET		7000 FEET		10,000 FEET		15,000 FEET		20,000 FEET		25,000 FEET		30,000 FEET		35,000 FEET	
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8	13																							
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8	13																							
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8	15																							
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8	24																							
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8	25																							
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8	25	23	07	07	08	15	04	40	05	55	04	55	04	34	03	40	01	34	01	45	02	70	01	24
8	26																							
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8	26	23	07	34	06	74	04	58	05	46	04	48	03	34	05	33	05	33	05	53	03	38	33	40
8	27																							
8	27	12	06	35	05	65	03	60	02	37	02	89	35	33	02	69	35	34	33	30	35	48	31	34
8	27																							
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8	29																							
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8	30	01	13	03	11	13	05	25	04	21	05	09	09	16	05	17	06	17	14	06	19	07	22	05
8	31	06	12	06	13	04	03	16	02	11	03	06												
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8	31	23	13	09	09	06	10	06	16	13	16	11	17	16	18	40	17	43	18	53	18	90		
9	01	06	11	16	10	23	12	04	16	10	14	24	18	20	18	39	19	51						
9	01	12	14	15	10	09	08	07	11	06	13	08	16	19	14	31	16	100						
9	01	23	08	02	10	11	09	37	09	44	11	22	13	29	15	48	15	106						
9	02	06	14	13	12	15	04	10	05	20	08	26	15	28	15	49	15	72	15	92	15	107		
9	02	12	12	17	09	26	03	26	07	13	10	21	13	33	13	40	14	53	14	67	14	82	16	107
9	02	23																						
9	03	05	07	14	08	31	05	33	05	29	08	37	10	24	12	51	14	25	16	39	15	59	19	44
9	03	12	09	09	08	22	05	26	05	27	06	30	09	21	11	31	13	30	12	30	14	26	14	47
9	04	05																						
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Results of Upper Wind Observations,
DAVIS 1961

MONTH	DAY	HOUR	SURFACE		1000 FEET		3000 FEET		5000 FEET		7000 FEET		10,000 FEET		15,000 FEET		20,000 FEET		25,000 FEET		30,000 FEET		35,000 FEET	
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9	06	23	15	03	10	09	05	14	06	13	05	18	04	18	02	42	01	40	01	34	01	71	01	40
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9	09	06	10	08	10	16	08	11	08	11	09	17	12	31	11	54	13	35	15	21	12	16		
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9	10	06																						
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9	16	06																						
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9	18	06																						
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9	23	23	05	13	05	20	01	10	36	11	05	07	04	09	03	05	04	12	04	14	05	10	36	11
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9	24	12	00	00	15	12	04	01	23	05	02	04	05	16	09	08	07	07	10	05	04	03	20	05
9	24	23	00	00	19	09	21	11	23	14	33	01	10	09	20	08	18	12	18	27	21	43	20	53
9	25	06	27	01	24	07	01	02	05	05	04	11	23	05	17	07	20	18						
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9	25	23	09	05			03	30	04	25	03	23	01	22	36	09	28	14	27	17	27	33	28	35
9	26	06																						
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9	26	23	00	00	06	01	17	01	07	17	07	11	08	19	02	12	04	10	36	21	34	21	33	22
9	27	06																						
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9	27	23	06	19	05	29	05	24	04	23	03	17	03	21	33	19	31	22	26	27	26	53	25	50
9	28	06																						
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9	28	23																						
9	29	07	12	29	08	80	05	50	05	37	04	33	06	51	08	65	08	33	07	31	06	51	04	41
9	29	12																						
9	29	23																						
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Results of Upper Wind Observations,
DAVIS 1961

MONTH	DAY	HOUR	SURFACE		1000 FEET		3000 FEET		5000 FEET		7000 FEET		10,000 FEET		15,000 FEET		20,000 FEET		25,000 FEET		30,000 FEET		35,000 FEET	
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0	06	12																						
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0	27	23																						
0	28	06																						
0	28	12	00	00									28	16	28	33	27	49	28	45	28	25	26	43
0	28	23	11	05	10	10	03	14	04	10	03	12	33	13	31	21	29	29	29	40	29	42	27	43
0	29	06																						
0	29	12	15	02	12	08	04	22	03	22	03	18	35	07	32	18	28	35	30	41	30	27	30	33
0	29	23	00	00	07	15	04	27	04	33	03	25	03	12	35	24	34	31	34	39	31	38	32	45
0	30	06																						
0	30	12	03	08	06	15	04	36	04	46	05	30	05	26	02	25	33	24	32	34	30	40	32	28
0	31	06																						
0	31	12	05	22	05	51	05	53	04	50	05	40	05	38	04	24	04	27	03	21	04	16	04	12
0	31	23																						

Results of Upper Wind Observations,
DAVIS 1961

MONTH	DAY	HOUR	SURFACE		1000 FEET		3000 FEET		5000 FEET		7000 FEET		10,000 FEET		15,000 FEET		20,000 FEET		25,000 FEET		30,000 FEET		35,000 FEET	
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11	01	23	11	05	08	15	05	17	05	17	10	13	17	13	20	24	20	33	23	32	22	33	27	20
11	02	12	08	13	08	21	06	15	09	14	07	04	23	10	22	26	24	31	25	29	26	18	31	19
11	03	12	04	19	04	24	04	32	05	21	03	17	08	16	02	15	01	21						
11	03	23	05	04	04	16	03	31	04	24	01	20	35	19	03	32	05	40	05	39	03	31	36	24
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11	04	14	04	09	05	14	01	13	04	13	03	08	01	09	27	05	29	07	34	10	29	24	27	25
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11	05	23	00	00	09	03	08	06	07	07	02	11	03	12	36	05	02	12	34	14	28	26	27	36
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11	06	12	04	10	04	14	03	17	01	15	05	15	03	10	28	20	28	52	28	66	28	61	27	63
11	06	23	00	00	11	14	04	14	01	05	13	09	09	08	11	07	12	01	35	06	33	14	29	24
11	07	12	32	05	20	06	30	07	22	09	32	12	22	10	25	16	28	15	27	30	26	45	26	54
11	07	23	00	00	11	06	24	04	19	05	21	04	24	11	25	27	25	59	26	85	27	40	28	23
11	08	12	27	07	15	11	06	02	05	18	06	21	04	05	34	13	29	38	29	55	30	87	29	85
11	08	23																						
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11	09	23																						
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11	12	23	03	04	36	05	34	09	28	22	34	06	31	13	32	14	32	42	30	39	30	66	29	69
11	13	12	03	30	04	27	05	40	04	34	06	14	04	13	05	20	05	26	06	27	36	19	31	15
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11	18	12	03	13	03	17	01	18	04	16	01	18	31	14	29	20	30	34	29	40	27	52	26	49
11	18	23	08	01	06	12	02	18	02	11	05	10	03	18	36	06	32	07	28	05	24	15	24	32
11	19	12	26	09	18	11	20	04	01	01	15	10	20	12	20	21	20	35	21	46	21	52	22	57
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11	23	12	06	02	08	09	05	37	05	60	04	21	06	29	06	16	08	25	06	24	34	33	31	24
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11	24	23	11	11	09	19	06	27	04	18	10	15	09	38	08	42	14	23	12	28	11	30	11	07
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11	26	06	04	18	04	19	02	15	11	33	04	16			04	06	36	15	02	20	36	30		
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11	26	23	06	20	06	35	04	37	05	28	05	23	06	13	03	19	02	12	02	16	01	20	23	06
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11	27	23	00	00	11	07	16	04	21	02	12	03	16	01	22	08	21	16	21	34	21	34	21	28
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11	28	12	34	06	36	01	08	03			20	12	17	05	21	06	21	18	22	19	22	26	22	16
11	28	23	03	12	06	12	04	12	28	01	12	05	15	03	18	03	20	08	21	11	21	14	24	09
11	29	06	01	14	03	14	05	22	09	14	08	04	04	05	29	02	22	12	23	12	24	12	26	12
11	29	12	04	07	06	08	04	19	08	15	05	11	04	06	04	01	22	09			26	21	25	22
11	29	23	03	07	05	17	05	17	05	13	07	07	07	06	16	06	21	11	20	07	24	12	23	13
11	30	06	03	22	03	14	07	18	10	14	03	05	11	03	15	05	22	09	23	05	25	11	26	16
11	30	12	01	12	04	12	05	17	09	11	18	03	06	01	19	06	23	15	24	08	24	08	26	12
11	30	23																						
11		23	02	06	04	11	04	09	03	13	03	13	01	03	03	02	23	10	22	07	26	05	28	05
12	01	06																						
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12	02	06	36	08	36	14	03	05	26	05	28	16	34	15										
12	02	12	00	00	17	06	07	03	22	03	28	11	30	06	28	07	28	16	20	14	29	15	30	16
12	03	06	01	12	16	07	18	08	14	04	25	01	27	07	25	10	28	17	29	15	27	18	27	22
12	03	12	36	04	01	08	32	05	27	01	31	07	27	09	28	20	28	15	27	21	36	34	27	33
12	03	23	00	00	06	04	07	01	01	07	31	08	28	14	27	21	26	43	27	54	27	38	27	45
12	04	06			05	16	03	07	04	17	04	15	03	15	33	12	29	19	28	26	29	40	29	49
12	04	12	22	04	16	09	06	05	09	06	09	04	05	05	34	05	31	10	31	19	30	31	29	35
12	04	23	04	18	05	22	02	20	05	11	06	04	34	03	34	03	31	17	33	23	29	24	30	22

Results of Upper Wind Observations,
DAVIS 1961

MONTH	DAY	HOUR	SURFACE		1000 FEET		3000 FEET		5000 FEET		7000 FEET		10,000 FEET		15,000 FEET		20,000 FEET		25,000 FEET		30,000 FEET		35,000 FEET	
		GMT	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt
12	05	06																						
12	05	12	05	22	04	28	03	21	03	13	02	12	03	05	36	09	28	11	30	15	30	24	28	33
12	05	23	04	22	06	33	04	40	04	26	02	20	08	15	03	15	05	12	07	27	01	12	30	31
12	06	06																						
12	06	12	04	26	05	38	04	33	31	14	27	14	05	10	08	08	08	17	32	09	30	23	30	32
12	06	23	04	22	05	37	01	21	36	16	34	16	01	12	29	08	28	21	30	26	30	33	31	36
12	07	06																						
12	07	12	28	05	12	03	03	12	05	15	10	23	08	08	35	08	33	33	33	55	33	42	32	40
12	07	23	09	03	09	30	07	08	07	24	06	30	05	11	11	38	10	14	09	36	07	34	06	12
12	08	06																						
12	08	12	36	02	04	10	03	28	04	21	05	13	03	19	06	08	30	07	34	05	36	26	34	16
12	08	23	04	13	04	20	02	19	01	12	34	17	32	15	33	22	32	22	32	19	33	16	33	18
12	09	06																						
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12	09	23	07	47	08	41	05	40	04	38	06	35	07	30	07	22	28	28	07	14	07	12	31	14
12	10	06																						
12	10	12	04	29	05	58	04	41	04	09	05	18	06	17	07	24	06	27	05	08	31	06	30	19
12	10	23	04	18	04	33	02	28	03	33	04	36	04	28	04	22	02	25	02	20	03	08	36	15
12	11	06																						
12	11	12	36	05	09	11	04	11	05	15	04	13	03	12	02	10	03	17	03	13	01	14	36	14
12	11	23	03	12	06	16	05	10	06	07	05	08	09	04	02	11	05	11	06	15	04	15	02	11
12	12	06																						
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12	12	23	00	00	16	07	17	08	12	06	18	07	18	11	17	07	06	16	06	28	02	12	29	08
12	13	06																						
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12	14	06																						
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12	14	23	03	09	06	13	03	04	04	08	04	11	04	07	31	04	35	04	28	12	27	17	26	12
12	15	06																						
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12	15	23	00	00	17	11	23	05	27	02	07	01	23	09	25	05	26	11	26	05	34	03	26	16
12	16	06	28	02	32	06	36	07	03	05	28	05	28	11	29	06	28	19	27	10	26	03	28	06
12	16	12	35	07	02	08	36	04	01	06	31	05	28	07	27	15	29	07	26	04	28	14	28	09
12	16	23	04	19	05	22	03	42	01	22	36	21	01	28	32	24	32	18	34	32	31	12	28	15
12	17	06																						
12	17	12	05	32	05	32	03	34	36	24	35	15	34	14	34	17	29	18	27	13	23	11	29	17
12	17	23	06	16	07	20	02	23	01	20	03	14	01	07	34	13	32	14	30	18	34	15	26	18
12	18	06																						
12	18	12	36	06	04	08	07	07	04	09	03	07	04	06	36	05	28	15	24	12	24	12	23	30
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12	20	06																						
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12	20	23	17	04	12	13	04	13	03	16	03	17	04	16	33	10	32	22	32	17	29	24	28	30
12	21	06																						
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12	23	06																						
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12	24	06	02	16	04	22	06	18	07	12	05	08	05	08	06	13	05	12						
12	24	12	36	02	07	15	04	20	04	14	04	15	03	14	03	16	02	11	33	09	23	21	21	24
12	24	23	07	12	05	19	03	20	03	13	06	09	06	13	06	12	04	09	04	06	24	17	23	39
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12	25	12	24	02			12	11	27	03	10	03	10	04	17	05	15	04	22	15	22	43	22	38
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12	26	06																						
12	26	12	02	07	05	09	05	08	04	05	02	05	02	03	20	03	21	10	23	13	23	21	24	25
12	26	23	04	13	05	26	03	25	03	17	04	19	06	13	09	05	16	07	21	07	23	15	25	17
12	27	06																						
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12	28	06																						
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12	29	06																						
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12	30	23	02	16	05	17	02	13	03	10	02	09	01	05	02	08	34	10	34	12	31	12	29	19
12	31	06																						
12	31	12	02	14	05	13	03	11	07	07	23	01	04	08	33	11	29	19	28	27	27	26	27	22

Results of Upper Wind Observations,
DAVIS 1961

MONTH	DAY	HOUR	40,000 FEET		45,000 FEET		50,000 FEET		55,000 FEET		60,000 FEET		65,000 FEET		70,000 FEET		75,000 FEET		80,000 FEET		85,000 FEET		90,000 FEET	
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1	05	06	35	19	10	08	09	04																
1	05	12	34	06	29	07	06	03	35	06	09	04												
1	05	18	36	05	06	03	08	02																
1	05	23	33	01	13	03																		
1	06	06	31	08	29	05	32	05	09	06	15	03												
1	06	12	24	06	23	03																		
1	06	23	18	06	19	08	24	05	23	05	13	03												
1	07	06	20	05	23	07																		
1	07	23	11	10	22	11	25	08	28	13	23	03												
1	10	06	29	10	30	09	28	08	33	07	36	05												
1	16	18	08	05	04	06	07	06																
1	21	06	33	17	33	20	34	08	31	08	34	10												
1	22	23	23	06	23	08	26	11	30	02	16	04												
1	23	23	29	13																				
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MONTH	DAY	HOUR	40,000 FEET		45,000 FEET		50,000 FEET		55,000 FEET		60,000 FEET		65,000 FEET		70,000 FEET		75,000 FEET		80,000 FEET		85,000 FEET		90,000 FEET	
		GMT	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt
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MONTH	DAY	HOUR	40,000 FEET		45,000 FEET		50,000 FEET		55,000 FEET		60,000 FEET		65,000 FEET		70,000 FEET		75,000 FEET		80,000 FEET		85,000 FEET		90,000 FEET	
		GMT	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt
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4	10	12	25	22	25	57	24	77																
4	10	23	26	36	26	31	26	159	25	52	25	36												
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MONTH	DAY	HOUR	40,000 FEET		45,000 FEET		50,000 FEET		55,000 FEET		60,000 FEET		65,000 FEET		70,000 FEET		75,000 FEET		80,000 FEET		85,000 FEET		90,000 FEET	
		GMT	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt
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MONTH	DAY	HOUR	40,000 FEET		45,000 FEET		50,000 FEET		55,000 FEET		60,000 FEET		65,000 FEET		70,000 FEET		75,000 FEET		80,000 FEET		85,000 FEET		90,000 FEET	
		GMT	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt
6	24	12	25	38	29	28	29	45																
6	24	23	27	27	28	35	29	35																
6	25	12	26	35																				
6	25	23	29	16	11	04	30	42	32	23	29	53												
6	26	12	30	26	30	24	28	29																
6	26	23	31	17	30	32	31	17																
6	27	12	28	12	29	14	27	18																
6	27	23	24	15																				
6	28	12	22	41	23	38	25	45																
6	28	23	22	43	22	40	22	04																
6	29	12	30	27	29	41	28	46	29	63	29	47												
6	29	23	30	25	27	44																		
6	30	12	30	16																				
7	01	01	28	11	30	23	28	27																
7	01	12	32	10	32	15	31	24																
7	01	23	02	08	32	14																		
7	02	23	03	14	08	05																		
7	03	12	03	10	33	20	35	21																
7	03	23	36	20	34	14																		
7	04	12	02	17	03	19	35	21																
7	05	02	36	20	34	21																		
7	05	12	36	34	36	39	35	48																
7	05	23	02	93	04	50																		
7	06	12	32	27																				
7	07	10	01	90	35	58																		
7	08	04	29	39	32	21																		
7	08	12	33	31																				
7	08	23	02	19	34	18																		
7	09	12	35	15	02	16	36	16																
7	10	01	34	07	36	15																		
7	10	12	04	19	04	20																		
7	10	23	01	14	03	13																		
7	11	12	07	11																				
7	11	23	05	36	02	09	34	23																
7	12	12	02	19																				
7	12	23	36	17	35	14																		
7	13	23	02	18	35	10	32	16	28	25	29	24												
7	14	12	35	11	32	16	30	34																
7	14	23	35	22	31	28																		
7	15	12	34	23																				
7	15	23	31	19	31	26																		
7	16	12	30	36																				
7	16	23	29	30	30	38																		
7	17	12	30	53																				
7	19	05	26	40	26	37	26	46																
7	19	12	24	49																				
7	19	23	27	61	25	34	27	58	26	64														
7	20	12	23	21	26	45																		
7	20	23	24	38	23	57																		
7	21	12	23	45																				
7	21	23	25	36																				
7	22	12	23	37																				
7	22	23	23	54																				
7	24	06	23	64	24	46																		
7	24	12	24	77	23	84																		
7	24	23	25	96	23	29																		
7	25	01	28	43	28	43	27	58	28	60	27	75												
7	25	06	26	96																				
7	25	12	26	96	26	82	76	30																
7	26	23	31	31	30	09																		
7	27	12	33	11	01	14	34	15																
7	27	23	13	15	11	24	24	12	24	05														
7	28	12	25	19																				
7	29	02	23	25	24	28																		
7	29	12	26	46	22	33	23	46																
7	29	23	23	30	23	34																		
7	30	12	23	36																				
7	30	23	27	34																				
7	31	06	28	34	28	38	28	44	28	58	29	71												
7	31	12	29	31	28	42																		
7	31	23	30	70																				
8	02	10	05	36	25	20																		
8	03	06	21	66	33	42																		
8	05	06	28	57																				
8	05	12	26	30	25	43	27	48	26	72														
8	05	23	28	34	27	37	27	64																

Results of Upper Wind Observations,
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MONTH	DAY	HOUR	40,000 FEET		45,000 FEET		50,000 FEET		55,000 FEET		60,000 FEET		65,000 FEET		70,000 FEET		75,000 FEET		80,000 FEET		85,000 FEET		90,000 FEET	
		GMT	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt
8	06	06	28	34	28	52	28	62	28	111														
8	06	12	29	40	31	55																		
8	06	23	26	23			27	57																
8	07	06	27	33	27	43	27	59																
8	07	12	26	39	27	14																		
8	07	23	26	41	27	49	29	25																
8	08	06	28	20	28	23																		
8	08	12	29	35	28	45																		
8	09	02	26	29	26	42																		
8	09	23	26	35																				
8	10	12	27	28																				
8	11	12	24	28	24	44	25	40																
8	11	23	24	51	23	44	25	11	25	68	25	86												
8	12	12	27	45	28	66																		
8	12	23	32	21																				
8	14	06	12	25	22	12	21	10	26	18														
8	14	12	21	10	16	20																		
8	14	23	18	24	18	22																		
8	15	12	22	31																				
8	16	01	27	19	27	16																		
8	16	06	24	23	23	30	25	34	26	52														
8	16	12	25	25																				
8	17	06	27	15	29	19																		
8	17	12	29	22																				
8	18	04	30	22	29	25	28	23																
8	18	12	26	14	28	10	28	16																
8	18	23	28	07																				
8	19	12	28	12																				
8	19	23	30	06																				
8	20	23	30	27	27	30	29	28	28	26														
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8	21	23	29	22																				
8	22	12	30	31																				
8	22	23	26	27	26	59																		
8	23	12	30	40																				
8	23	23	29	32																				
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8	24	23	29	43	29	26	30	43	27	39	28	25												
8	25	23	25	27																				
8	26	23	31	56	31	65																		
8	27	12	03	98																				
8	28	05	33	46	31	46	31	40	32	69														
8	28	23	31	24																				
8	30	01	22	05	24	04	25	21	25	21	26	40												
8	30	12	22	21																				
8	31	12	22	51	23	43	23	43																
8	31	23	21	29	22	36	22	47																
9	02	12	27	67	24	37																		
9	03	05	20	28	26	25	27	41	27	39														
9	03	12	19	26	18	26	24	21																
9	04	01	11	17	20	13	32	24	25	23														
9	04	12	13	12																				
9	04	23	36	10	01	05	29	12	30	13	27	20												
9	05	06	33	09	27	08																		
9	05	12	35	08	34	10																		
9	05	23	03	05																				
9	06	12	36	11																				
9	06	23	24	06	20	59																		
9	07	06	01	23	26	12	21	22	22	24	23	21												
9	07	12	36	10	22	16	18	21	21	34	21	35												
9	07	23	21	19	21	42	21	23	21	61	21	72												
9	08	06	22	19	21	38																		
9	08	12	20	33	21	59	22	76	21	93	22	104												
9	08	23	22	41	22	49	23	51	23	68	25	138												
9	09	12	22	32	25	39	25	41	25	57	25	80												
9	09	23	27	18	29	28	29	35	28	45														
9	10	12	30	23	30	24																		
9	10	23	34	05	27	23	29	24																
9	11	12	27	25	29	32	28	40																
9	11	23	28	20	28	25	28	33	28	37														
9	12	12	28	31	26	30	29	41	27	51														
9	12	23	29	12	29	49	28	37	29	90														
9	13	06	31	17	30	26	30	35	30	52	29	62												
9	13	12	28	10	29	21	29	36	29	47	28	55												
9	13	23	31	15	30	38	29	54	30	64														
9	14	12	31	31	31	42	30	62	30	74														
9	14	23	30	26	32	46	32	65	30	63														
9	15	12	32	15	33	25	32	39	32	46														
9	15	23	30	08	28	23	29	40																
9	16	12	25	05	28	23	26	19	28	29	29	67												
9	16	23	30	51	31	70	30	111																

Results of Upper Wind Observations,
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MONTH	DAY	HOUR	40,000 FEET		45,000 FEET		50,000 FEET		55,000 FEET		60,000 FEET		65,000 FEET		70,000 FEET		75,000 FEET		80,000 FEET		85,000 FEET		90,000 FEET	
		GMT	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt
9	17	12	30	08	30	16	30	29	31	42	30	69												
9	17	23	30	03	33	13	34	14	31	36	30	45												
9	18	12	33	06	30	07	28	05	28	15	29	32												
9	18	23	28	09	26	08	26	14	28	19														
9	19	06	25	04	26	10	27	14	25	23	27	26												
9	19	12	20	07	25	08	25	24	27	21														
9	20	01	26	16			25	30	26	35	26	23												
9	20	12	25	11	26	29	25	30	25	40	25	49												
9	20	23	25	25	25	34	26	36	25	45														
9	21	12	26	23	28	25	24	53	26	46	26	35												
9	21	23	27	14	24	14	27	30	26	34	26	44												
9	22	06	29	18	28	20	28	29																
9	22	12	27	15																				
9	22	23	20	23	28	16	28	25	28	20														
9	23	12	30	11	27	14	27	20	28	21														
9	23	23	30	08	27	10	27	17	28	18														
9	24	06	30	07	29	11	27	17	28	20	29	22												
9	24	12	23	09	25	28	25	21	25	29	25	21												
9	24	23	21	45	23	38	23	35																
9	25	12	23	55	23	47	25	36																
9	25	23	27	32	29	29	27	29																
9	26	12	31	26	30	18	29	16																
9	26	23	32	14	26	19	24	36	27	19	23	62												
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9	30	12	35	18	23	24	22	52	23	46	23	73												
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0	01	06	19	64																				
0	01	12	19	68	21	61	24	55	24	86	23	92												
0	01	23	33	23	29	20	27	67	26	56	26	90												
0	02	12	35	45	32	40	31	46	29	50	26	42												
0	02	23	33	50	32	36	31	68	26	66	26	56												
0	03	06	33	18	31	12	29	28	27	30	27	41												
0	03	12	28	10	28	26	26	39	28	40	28	49												
0	03	23	24	18	24	23	24	27																
0	04	12	24	22	21	31	33	40	22	46	21	45												
0	04	23	19	31	20	35	21	66																
0	05	12	20	61	20	57	21	62	21	125	20	46												
0	06	01	22	44	23	115																		
0	06	01	24	45	25	64	25	68	26	80														
0	07	06	25	38	25	20	28	56																
0	07	12	25	26	25	50	25	33	26	53														
0	08	12	27	28	27	34																		
0	08	23	26	30	26	31	27	42	26	38														
0	09	06	27	39	27	38	27	68	27	46														
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0	10	12	26	26	28	35	29	54	26	57	27	69												
0	10	23	25	51	26	43	26	45	25	53														
0	11	12	25	51	24	43	25	72	25	68														
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0	12	12	26	42	27	65	27	39	27	100	27	100												
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0	13	06	30	39	28	73	29	61																
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0	14	12	30	41	30	44	29	56																
0	14	23	30	19	29	26	29	37	28	44														
0	15	12	25	24	24	25	25	24	27	40	27	39												
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0	16	12	23	42																				
0	17	23	27	50	28	15	07	40	28	45														
0	18	01	01	70	31	58	37	72	28	95														
0	18	12	32	45	31	35	31	37	31	64	30	77												
0	19	12	28	36	34	30	33	41	30	40	29	39												
0	20	15	27	14	27	24	28	28																
0	21	23	04	12	28	19	33	30	26	56														
0	22	12	28	30	29	20																		
0	22	23	07	11	27	09	28	25	27	29														
0	23	06	25	12																				
0	23	12	18	17	22	16	24	17																
0	23	23	24	19	27	24	27	27	28	45	28	44												
0	24	12	27	19	24	23	25	20																
0	24	23	24	80	26	56	25	74	25	68														
0	25	12	22	43	22	60	24	72																
0	25	23	23	55	25	71																		
0	26	23	27	58	26	60	24	45	24	44														
0	27	12	26	95																				

Results of Upper Wind Observations,
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MONTH	DAY	HOUR	40,000 FEET		45,000 FEET		50,000 FEET		55,000 FEET		60,000 FEET		65,000 FEET		70,000 FEET		75,000 FEET		80,000 FEET		85,000 FEET		90,000 FEET	
		GMT	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt
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0	28	23	29	33	29	42	26	49	26	49	25	43												
0	29	23	30	19	30	16																		
0	30	12	31	12	27	15	23	26	23	35														
0	31	12	24	20	22	45	23	51	24	57	24	78												
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11	01	12	31	13	27	31	27	37	25	44	26	49												
11	01	23	25	11	30	33	31	39	29	42	31	70												
11	02	12	32	26																				
11	03	06	33	29	33	29	31	40	30	39														
11	03	23	31	26	30	23	29	28	30	28														
11	04	14	27	36	27	43	26	67	27	58														
11	05	06	29	30	28	41	27	37																
11	05	12	27	36	27	42	26	67	27	58														
11	05	23	27	61	27	60	27	60	27	78	27	106												
11	06	12	29	38	28	48	28	39	29	70	28	25												
11	06	23	28	28	27	40	28	49	28	61	28	55												
11	07	12	27	57	27	71	26	141																
11	08	12	29	50	29	115																		
11	09	12	05	28	33	27	30	37	31	39														
11	10	12	29	05	30	14	28	23	29	28														
11	10	23	30	15	28	21	28	39	28	40	28	36												
11	11	12	27	36	29	45	29	40	28	50	29	85												
11	11	23	29	64	33	19	29	39	29	44	28	36												
11	12	12	28	61	27	70	28	83																
11	12	23	30	62	27	26	24	64	11	08	27	92												
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11	13	23	27	20	29	33	28	48	28	48	28	46												
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11	15	23	21	22	21	34	21	36	21	33	22	40												
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11	16	12	21	56	20	61	20	54																
11	16	23	22	36	21	10	26	63	21	48	21	93												
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11	19	23	24	62	26	42	27	58	29	51														
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11	20	23	28	60	29	59	28	51	28	56	29	165												
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12	04	23	28	41	29	39	30	46	29	28	28	22												
12	05	12	28	42	29	37	29	38	32	33	29	36												
12	05	23	31	22	31	33	30	23	30	40	33	25												
12	06	12	31	35	31	32	33	24	31	37	30	27												
12	06	23	31	35	31	49	32	34	31	32	33	35												

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MONTH	DAY	HOUR	40,000 FEET		45,000 FEET		50,000 FEET		55,000 FEET		60,000 FEET		65,000 FEET		70,000 FEET		75,000 FEET		80,000 FEET		85,000 FEET		90,000 FEET	
		GMT	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt
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12	08	23	30	25	30	27	30	23	30	27	32	19												
12	09	12	30	27	29	27	28	37	28	36	25	22												
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12	25	12	24	37	23	37	23	27	23	30	23	18												
12	25	23	23	27	23	31																		
12	26	12	24	32	24	29	24	22	25	18	24	14												
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12	30	23	27	16	25	11	27	08	25	7	27	07												
12	31	12	27	21	24	18	26	14	27	09	28	13												

Results of Upper Wind Observations,
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MONTH	DAY	HOUR	SURFACE		1000 FEET		3000 FEET		5000 FEET		7000 FEET		10,000 FEET		15,000 FEET		20,000 FEET		25,000 FEET		30,000 FEET		35,000 FEET	
		GMT	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt
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1	03	05	36	28	36	30	01	32	35	54	34	40	34	48	35	62	34	82						
1	03	11	02	10	36	16	33	20	35	30	35	39	34	54	35	95								
1	03	17	34	10																				
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1	04	11	35	21	34	33	33	34	34	42	34	45	34	46	34	51								
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1	05	05	28	35	25	50	25	46	24	49	24	49	25	51	26	38	26	38	26	40	25	38		
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1	05	17	30	13	28	26	27	24	27	33	27	39	27	35	24	51								
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1	06	05	29	26	26	42	26	41	26	40	27	37	25	44	24	66								
1	06	11	28	18	25	36	23	45	23	44	23	49												
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1	06	23	29	17	28	23	27	25	26	15	24	30	24	36	23	47	24	58	23	79	26	102		
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1	07	11	31	26	29	36	28	43	25	51	26	53	25	64										
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1	07	23	31	19	30	26	28	34	27	38	27	42	28	57	28	70	26	75	28	89				
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1	08	11	34	04			29	16	29	26	29	40	29	44										
1	08	17	17	11	16	16							27	24	26	54	28	66						
1	08	23	17	24	15	12	17	23	18	24	25	36	23	33	27	71	26	48	27	85	27	103	28	101
1	09	05	17	08	16	04					23	10	24	27	25	48	26	58	26	74	26	97	26	90
1	09	11	35	10	33	16	31	15	30	19	28	19	29	27	29	40	27	52	27	47				
1	09	17	36	14	34	18	33	26	33	22	30	38	30	41	29	35	30	57	29	64				
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1	10	05	25	23	23	54	24	42	24	23	25	37	27	34	29	29	32	22	30	36	29	64	30	53
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1	10	17	29	39	26	41	24	59	24	60	23	55	23	63										
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1	11	05	28	17	27	17	25	33	25	29	25	29	24	43	24	61	22	79						
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1	12	05	32	16	28	27	27	28	27	29	27	27	27	26	25	36	26	45	26	56	26	66		
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1	12	17	34	10	31	22	30	23	28	25	29	36	29	31	30	35	30	32	30	44	30	44		
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1	13	05	02	20			31	36	34	56	32	39	32	37	33	42	32	45	33	35	31	44		
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1	13	23	02	17			35	48	01	46	01	39	01	54	01	44	01	43	01	45	36	42	35	43
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1	15	11	34	29			30	39	30	39	30	40	29	42	29	43	26	45						
1	15	17	34	29			30	49	29	39	29	44	28	46	28	47	25	53	25	62				
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1	16	05	31	14	29	19	27	27	27	31	28	34	26	38	27	37	27	42	26	49	26	51		
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1	16	17	33	14			31	36	32	32	29	36	30	38	31	40	31	55	30	45				
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1	17	05	28	22	27	38	27	26	28	34	28	37	27	45	29	55	29	65						
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1	17	17	34	22																				
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1	18	05	31	20	29	34	28	43	29	43	29	50	29	60	30	83								
1	18	11	31	23	29	29	29	36	28	37	28	43	29	52	30	83	31	81						
1	18	17	31	30	30	38	29	41	29	48	29	46	29	43	29	42	29	52	30	90				
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1	19	05	28	24	25	17			24	37	24	36	24	34	24	45	24	39	22	39	26	32		
1	19	11	25	13	23	18	22	26	23	33	23	30	23	37	24	39	27	35	28	30	29	30	26	35
1	19	17	28	18	26	25	25	24	24	30	23	35	22	37	23	48	23	54	22	65				
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1	20	05	29	17	28	28	27	30	28	40	29	47	29	52	27	41	25	56						
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1	22	11	25	09			23	29	23	28	23	33	23	40	21	60	21	70						
1	22	17	27	05	23	08	22	16	22	18	23	31	22	37	22	54	21	65						
1	22	23	27	10	27	17	27	19	28	19	24	19	23	29	23	34	22	48	23	54	21	55	22	63

Results of Upper Wind Observations,
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MONTH	DAY	HOUR	SURFACE		1000 FEET		3000 FEET		5000 FEET		7000 FEET		10,000 FEET		15,000 FEET		20,000 FEET		25,000 FEET		30,000 FEET		35,000 FEET	
		GMT	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt
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1	23	11	33	20			31	37	30	40	31	36	29	52	29	42	29	56	29	71	28	70		
1	23	17	34	24			30	40	30	41	29	49	28	53	28	54								
1	23	23	31	12	28	21	27	24	28	32	27	37	27	45	25	54	27	55	26	58			25	73
1	24	05	32	22	29	33	28	44	27	55	26	55	26	58	26	56								
1	24	11	29	24			28	42	26	61	26	66	27	73	26	92	27	104						
1	24	17	29	16							25	75	25	72	25	94								
1	24	23	30	20			27	48	27	49	26	55	25	75	25	102								
1	25	05	28	22	26	33	26	46	25	46	25	53	25	56	25	99								
1	25	11	27	22	27	33	25	52	25	48	25	52	25	61										
1	25	17	27	31	26	37	25	30	25	43	24	55	25	57	25	98								
1	25	23	27	23	26	39	26	38	25	42	26	52	26	70	25	100								
1	26	05	27	24	26	39	25	51	25	47	24	51	25	57										
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1	26	18	23	12	25	08	23	28	22	36	22	47	23	57	24	69								
1	26	23	28	10	26	20	23	25	23	32	23	34	24	43	24	47	24	60						
1	27	05	27	17	26	22	25	17	23	17	25	20	24	35	25	35								
1	27	11	27	10			26	20	26	12	27	22	24	39	24	45	24	62						
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1	28	05	11	02	02	03	35	03	25	5	22	07	24	17	25	31	26	25						
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1	28	17	14	17	12	28			14	09	13	07	16	22	12	14	10	21	11	28	12	33	12	31
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1	29	05	06	06	08	13	05	18	06	12	07	12	05	11	11	08	15	11	19	16	20	22	19	20
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1	29	17	36	12									35	29	34	41	34	32	35	26				
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1	30	05	29	17	27	25	27	37	28	33	28	40	29	32	28	44	31	35	29	43	30	50		
1	30	11	34	24			32	40	31	47	31	53	31	68	29	62	28	82						
1	30	17	34	18					33	54	32	72	31	78	30	68								
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2	01	11	24	04	28	07	27	08	25	09	26	19	26	13	26	10								
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2	02	23	27	12	25	15	25	21	25	39	26	40	26	58	25	66	26	86	26	93	25	105		
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2	03	11	00	00	22	02	25	04	26	10	23	21	26	34	26	50	26	60						
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2	04	05	33	07							29	28	28	35	28	30	28	42	27	58				
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2	04	17	34	17			31	34	31	35	30	35	30	32	30	38	29	49	30	61	28	83		
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2	05	05	27	17	27	29	26	28	29	33	28	33	29	48	30	69	30	75						
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2	06	05	34	19	33	40	32	41	31	43	31	42	30	41	30	54	29	73						
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2	06	23	34	09	32	14	30	26	30	30	30	36	30	41	29	34	29	43	30	58	29	71	30	76
2	07	05	32	08			30	28	30	26	30	31	30	31	30	40	29	46	30	59				
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2	07	17	31	02			34	20	34	19	32	25	31	33	31	30	30	41	30	56				
2	07	23	07	02							34	28	34	36	32	38	30	40	30	55	31	57	31	70
2	08	05	34	09					33	24	33	27	34	29	34	39	33	35	33	53				
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2	09	11	29	37					27	62	26	59	26	57	25	42	26	45	26	40	29	40	28	50
2	09	17	29	31			28	53	25	49	27	53	26	54	28	32	30	25	31	17	30	33	30	41
2	09	23	29	24	26	25	27	27	27	37	27	41	27	50	28	62	29	70	29	55	30	34	30	36
2	10	05	27	20	26	25	26	21	26	32	26	30	27	38	29	54	29	54	30	55	29	47	28	37
2	10	11	27	21					26	27	26	28	27	35	28	29	28	32	30	52	29	35		
2	10	17	27	10			24	28	23	34	24	28	24	27	23	29	21	35						
2	10	23	27	12	25	15	24	24	24	34	25	31	23	29	22	27	24	18	23	34	23	18	25	22
2	11	05	27	15	25	25	24	26	24	26	24	33	23	30	24	30	24	25	25	32	23	27	26	30
2	11	11	25	10	23	15	22	23	24	24	24	27	25	25	24	23	26	17	31	13	32	15	23	25
2	11	17	23	10	23	21	21	21	24	26	24	27	25	25	27	23	11	31						
2	11	23	24	04	18	02			20	20	19	20	19	16	14	16	20	24	20	35	20	38	21	38
2	12	05	32	05											19	17	24	26	21	39	22	60		
2	12	11	33	14	33	17	32	23	27	10	28	26	27	14	26	20	27	43	26	63	26	90		
2	12	17	34	24	32	40	29	42	30	25	29	26	26	26	27	40	27	38	27	45	28	56		
2	12	23	32	19	30	23	29	34	31	48	31	43	29	47	28	44	29	49	29	46	30	46	29	45
									28	36	28	36	29	46	28	36								

Results of Upper Wind Observations,
MACQUARIE 1961

MONTH	DAY	HOUR	SURFACE		1000 FEET		3000 FEET		5000 FEET		7000 FEET		10,000 FEET		15,000 FEET		20,000 FEET		25,000 FEET		30,000 FEET		35,000 FEET	
		GMT	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt
2	13	05	30	17	29	28	29	36	30	38	29	35	29	28	30	29	31	26	33	35	32	28	32	36
2	13	11	26	17			24	33	24	31	24	31	24	28	24	31	21	34	21	43	21	40	23	29
2	13	17	23	12	23	16	23	29	23	36	23	31	24	35	25	59	24	45	24	55	24	56	26	44
2	13	23	29	04	26	09			25	32	25	23	25	28	24	29	26	48	27	71	27	53	27	55
2	14	05	22	06	19	10	21	14	23	19	23	27	22	25	22	31	21	30	20	38	20	29	23	45
2	14	11	20	05	22	18	22	17	20	27	19	27	21	39	20	59	20	76						
2	14	17	27	24			28	29	27	42	25	47	23	54	22	69	21	75						
2	14	23	27	14	27	24	25	44	24	61	24	60	23	63	23	76	23	90	22	105	21	94		
2	15	05	28	24	27	58	25	61	24	73	25	84	24	89	24	86	25	96						
2	15	11	28	27	24	23	24	40	24	51	24	60	24	77										
2	15	17	27	12	25	29	24	38	24	41	23	46	24	68	24	100								
2	15	23	27	20	26	19	25	31	24	28	24	41	24	60	24	91	24	113	24	110				
2	16	05	27	18	26	23	25	25	25	31	25	40	25	61	25	94	25	99	25	103				
2	16	11	28	14	27	23	24	24	24	28	24	34	25	39	26	79	26	107						
2	16	17	28	24	26	36	24	42	24	48	24	44	25	50	25	57								
2	16	23	27	22	25	20	25	39	25	40	25	34	25	40	25	45	25	63	25	84	25	84	25	80
2	17	05	24	09	24	26	24	32	24	35	25	32	24	31	25	48	26	71	27	75				
2	17	11	23	11	24	21	23	38	23	37	24	35	24	32	25	31	23	53						
2	17	17	22	11	22	26	22	32	22	35	21	27	22	29	22	58	21	84						
2	17	23	24	07	24	26	23	25	23	28	23	33	22	45	22	66	21	73	22	93	22	119		
2	18	05	28	19	28	34	27	31	26	39	25	45	24	48	25	53	24	87	22	97				
2	18	11	28	19	28	28	28	30	26	35	27	42	25	41	24	55	24	73	22	107				
2	18	17	31	23	29	42	27	47	27	51	27	58	25	76	25	94	23	88						
2	18	23	32	26			26	45	27	38	27	56	27	66	27	85	26	73	28	88				
2	19	05	32	22	29	40	27	53	29	45	27	52	27	34	24	53	26	55	26	73	27	75		
2	19	11	28	20			27	41	26	46	27	46	26	53	28	61	28	84	27	76	27	88		
2	19	18	27	25	27	32	27	35	26	44	27	44	27	85	28	108	27	115						
2	19	23	27	17	27	23	26	37	26	47	27	48	28	45	28	93	27	150	28	154	28	151		
2	20	05	27	17	24	20	24	28	25	40	25	42	26	42	26	42	27	86	28	105				
2	20	11	21	14			21	39	21	45	21	44	22	40	21	49	21	53	21	65				
2	20	17	20	13	21	17	22	29	22	43	21	48	22	40	24	46	22	78	22	100				
2	20	23	27	20	25	35	25	43	24	36	25	31	24	45	24	64	24	81	23	104	24	109		
2	21	05	27	23	26	43	26	41	26	38	25	40	25	50	25	69	26	78	25	85				
2	21	11	28	27	26	38	26	49	27	45	26	45	26	57	25	80	25	85	24	110				
2	21	17	28	27	26	39	25	46	26	49	25	52	25	71	25	90								
2	21	23	25	07	23	18	23	30	24	35	25	38	24	55	25	69	25	98	25	127	26	122		
2	22	05	22	04	22	18	23	24	24	21	23	24	24	39	24	59	25	73						
2	22	11	27	06	23	14	23	18	21	12	25	20	24	25	24	57	24	95	24	125	25	140		
2	22	18	32	02	28	14	26	17	27	20	27	15	25	33	25	57								
2	22	00	29	12	26	20	26	35	27	25	28	36	26	48	24	88	25	104	25	120	25	108		
2	23	05	27	16	26	21	25	28	26	35	26	41	24	65	24	92	24	100						
2	23	11	25	04	25	08	24	16	22	28	23	33	23	45	23	50	24	55						
2	23	17	28	01	27	09	26	08	24	15	26	20	24	29	26	34	26	33	26	42	25	48		
2	23	23	30	01	32	03	31	06	30	09	27	15	28	30	27	42	28	39	27	46	28	45	28	46
2	24	05	30	02	29	10	32	09	26	13	27	18	28	27	28	30	27	42	27	39	27	52	25	54
2	24	11	00	00	27	07	28	06	28	06	23	08	28	27	28	25	29	30	28	32	28	32	28	47
2	24	17	00	00	24	07	24	07	25	11	26	13	28	24	28	28	27	25	28	31	29	42		
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2	25	05	28	03	26	05	25	07	26	10	27	14	28	17	30	20	29	17	29	23	29	26	30	35
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2	25	17	18	03	18	14	19	14	19	13	20	12	21	21	27	20	27	23	28	27	29	29	30	38
2	25	23	18	06	16	04	17	06	17	10	17	12	23	16	24	27	26	17	28	22	29	31	28	27
2	26	05	13	02	11	06	17	10	25	08	22	12	23	14	24	20	28	12	26	14	28	15	30	25
2	26	11	00	00			36	02	27	04	27	09	29	06	26	06	27	10	29	18	30	23	30	26
2	26	17	32	05	32	14	30	13	28	18	30	21	29	23	29	29	29	28	28	34	30	35	31	45
2	26	23	33	15			28	22	27	24	27	20	28	26	28	46	30	39	29	44	29	45	30	61
2	27	05	29	09	26	19			24	35	24	23	26	39	26	54	28	63	28	57	28	52		
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2	28	05	32	11	32	09	31	24	30	23	29	20	27	18	26	23	23	19	22	25	24	18	23	20
2	28	11	32	14	31	23	30	29	29	24	28	15	28	13	30	19	29	27	30	21	30	16	31	14
2	28	17	33	17	32	30					31	20	29	21	30	21	29	21	31	31	32	23	32	36
2	28	23	33	17	33	23	33	26	32	33	32	21	32	19	32	27	31	33	34	33	33	58	34	49
3	01	05	34	14	34	27	33	31	33	33	33	36	34	34	33	40	33	48	33	48				
3	01	11	36	12	35	30	34	35	34	38	33	37	32	39	34	39	34	51						
3	01	17	35	18	35	34	34	44	31	38	31	41	32	43	32	59	32	58						
3	01	23	31	11	31	19	31	33	32	37	32	40	32	36	32	61	33	73	32	79	31	100		
3	02	05	22	02	23	05	26	10	31	22	31	34	32	48	33	63	33	71						
3	02	11	00	00	25	10	25	10	26	28	32	31	32	45	33	61	33	78						
3	02	18	00	00	22	18	23	19	23	16	24	17	27	25	32	62	34	88						
3	02	23	27	11	24	08	24	20	25	28	25	25	26	31	25	28	28	33	31	49	33	79	31	51
3	03	05	35	14	26	30	23	24	23	31	24	34	22	34	23	42	22	60	21	102				
3	03	11	27	15	26	30	25	23	25	23	24	30	23	36	23	50	23	60						
3	03	17	32	18	31	24	31	26	28	31	28	28	27	32	26	38	27	42	27	60	26	61	26	102
3	03	23	34	22	34	35	33	46	32	27	31	30	32	26	31	40	30	48	30	55	30	79	30	92
3	04	05	33	26	33	24	32	43	33	60	33	58	32	58	32	46	32	65	32	71				
3	04	11	32	24	31	36	31	42	32	47	31	56	32	57	31	68	31	82						
3	04	17	31	24	30	37	29	31	29	43	30	53	30	45	31	60	32	76	33	82				
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3	05	05	31	28	30	36	29	38	28	41	29	41	29	44	29	36	27	45	28	33				
3	05	11	29	24	27	43	27	40	27	42	26	30	28	38	26	30	25	32	24	37	25	34	28	35
3	05	17	27	25	27	27	27	23	27	32	28	35	27	31	27	36	28	41	27	41	28	54	28	36
3	05	23	30	15	30	18	30	24	28	20	27	20	29	25	28	31	33	33	33	44	31	39	29	28

Results of Upper Wind Observations,
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MONTH	DAY	HOUR	SURFACE		1000 FEET		3000 FEET		5000 FEET		7000 FEET		10,000 FEET		15,000 FEET		20,000 FEET		25,000 FEET		30,000 FEET		35,000 FEET	
		GMT	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt
3	06	05	02	09	35	18	33	21	31	19	30	23	28	25	28	26	28	34	28	22	26	26	27	28
3	06	11	32	09	30	14	31	17	31	16	31	22	30	29	28	29	23	48	23	69				
3	06	17	32	21	32	32	30	30	30	34	30	42	30	39	29	45	29	56	28	94				
3	06	23	34	28	33	35	30	50	30	47	31	51	32	51	31	56	30	74	30	84				
3	07	05	29	26	29	39	28	45	28	46	28	49	29	44	31	59	32	98	31	77				
3	07	11	29	24	28	34	27	43	26	48	26	45	26	50	26	57	27	43	28	45	29	57	27	37
3	07	17	29	19	29	34	28	43	28	44	29	45	29	46	29	50	28	57	26	57	28	50		
3	07	23	29	22	26	24	27	37	28	40	28	38	29	40	28	49	28	51	28	51	27	60	27	60
3	08	05	27	22	27	32	27	40	28	42	28	39	28	38	27	48	27	51	28	53	27	68		
3	08	11	30	17	28	30	28	37	28	31	29	35	28	36	28	44	28	37	29	39	28	60		
3	08	17	29	12	28	22	28	20	29	22	29	36	28	40	28	34	28	35	27	36	28	49		
3	08	23	29	10	28	18	27	19	27	23	29	25	29	25	29	32	29	27	29	33	29	32	29	44
3	09	05	30	13	27	22	27	26	27	33	27	35	27	37	28	34	29	30	30	33	29	35	29	45
3	09	11	31	13	35	19	34	22	33	25	32	22	32	25	30	30	30	36	31	43	30	29	29	35
3	09	17	32	10	29	13	28	20	29	25	30	27	29	27	25	27	23	32	23	38	23	44	29	36
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3	10	05	34	09	32	11	32	14	31	23	30	17	32	25	02	40	02	63	01	74	35	32	30	24
3	10	11	02	02	36	06	34	08	34	10	34	10	35	13	36	16	34	16	34	10	29	07	25	14
3	10	17	20	07	21	14	20	14	20	07	20	14	19	07	11	09	18	08	19	22	20	20	20	27
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3	11	17	19	08	20	11	20	14	21	19	23	20	21	19	20	30	17	31	17	46	18	63	19	83
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3	12	17	28	22	28	31	27	36	27	34	27	37	27	45	27	44	26	52	26	39	26	21		
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3	13	17	29	13	28	22	28	25	28	20	28	25	26	35	27	35	27	43	28	36	29	29	30	29
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3	17	11	27	34	25	28	24	57	23	67									24	47				
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3	17	23	27	27	26	37	25	43	24	51	24	64	24	78	24	95	24	128	23	166				
3	18	05	28	21	25	23	25	39	24	49	24	54	23	75	23	95	22	100						
3	18	11	28	09	27	20	26	25	26	26	25	28	25	28	25	43	25	74	24	114				
3	18	17	36	18							33	52	29	58	28	89								
3	18	23	34	21	33	34	32	48	32	66	31	65	32	66	31	64	31	73	31	61	30	75	31	81
3	19	05	32	32	29	34	28	53	28	58	29	67	29	67	30	62	31	63						
3	19	11	32	33	31	52	29	56	29	61	29	62	30	71	29	94								
3	19	17	32	24	31	45	30	51	29	57	28	58	27	63	28	68	27	85						
3	19	23	33	29	32	40	30	60	30	54	29	58	30	59	29	72	29	61	29	83				
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3	20	17	29	26	28	44	26	51	26	58	25	58	25	70	25	83	24	117						
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3	21	05	33	19	31	30	28	33	29	42	29	53	28	56	28	61	28	62	27	60	27	78	27	100
3	21	11	33	23	32	42	30	53	29	53	29	53	29	51	28	63	29	76	28	69				
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3	22	11	20	04	22	16	26	29	28	36	29	53	29	60	29	66	29	75						
3	22	17	00	00											32	83	33	78	32	99				
3	22	23	17	26											29	49	30	80	31	83	31	98		
3	23	05	19	06	20	14	21	18	19	20	23	29	26	36	29	40	30	63	31	81	30	63		
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3	23	17	30	10	28	21	28	24	28	25	28	27	29	32	26	43	24	75	24	104	25	73	27	55
3	23	23	32	15	32	24	31	27	31	28	30	36	28	33	27	68	27	66	26	69	26	69	28	76
3	24	05	32	23	31	31	30	40	30	47	29	52	29	46	23	52	24	77	25	70				
3	24	11	28	30	26	39	25	50	25	61	24	61	24	56	21	82								
3	24	17	24	16	24	24	23	40	22	55	21	58	21	57	24	71	23	78	23	85	23	93		
3	24	23	23	08	22	12	23	17	23	27	23	35	23	45	23	58	23	65	23	63	23	79		
3	25	05	28	14	26	22	26	16	24	27	23	34	23	48	25	56	25	71						
3	25	11	32	23	30	34	27	48	27	42	26	50	26	59	26	77	26	85						
3	25	17	28	23	25	34	26	47	25	48	25	53	25	59	24	92	24	92	24	103				
3	25	23	28	30	26	54	25	56	23	64	24	69	24	80										
3	26	05	26	21	23	33	23	42	23	65	23	63	22	78										
3	26	11	25	15	25	20	23	42	21	41	22	53	22	72										
3	26	17	26	15	25	23	23	37	22	35	22	40	22	49	22	64	22	88	22	96	20	127		
3	26	23	28	13	25	26	25	23	23	33	22	44	22	54	23	66	22	64	22	83	21	105		
3	27	05	32	14	31	21	28	41	25	49	25	48	25	42	24	58	24	61	23	79	23	74		
3	27	11	31	24	29	40	27	55	27	62	27	62	26	55	26	62	26	60	26	54	26	83	26	92
3	27	17	27	28	25	32	25	48	25	53	24	67	25	72	26	105								
3	27	23	28	33	25	40	25	52	24	63	23	62	24	63	23	105								

Results of Upper Wind Observations,
MACQUARIE 1961

MONTH	DAY	HOUR	SURFACE		1000 FEET		3000 FEET		5000 FEET		7000 FEET		10,000 FEET		15,000 FEET		20,000 FEET		25,000 FEET		30,000 FEET		35,000 FEET	
		GMT	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt
3	28	05	25	13	24	15	23	35	23	48	23	57	23	61	22	88	23	91						
3	28	11	27	16	24	42	23	25	23	33	23	43	23	52	23	65	23	73	23	83	25	65	25	65
3	28	17	27	20	27	34	25	27	25	43	25	47	24	60	24	69	25	80	25	89	24	111	24	101
3	28	23	27	14	27	26	27	34	25	24	25	48	26	73	26	83	25	95	25	105	25	113	24	88
3	29	05	29	15	25	35	24	37	24	48	25	50	24	68	25	83	24	94	24	104				
3	29	11	27	15	26	30	26	33	25	39	24	34	25	53	25	74	24	101						
3	29	17	28	17	26	29	26	30	27	31	25	32	25	49	25	70	25	91						
3	29	23	28	14	27	25	28	26	27	38	26	43	26	54	27	79	26	75	26	89	25	98		
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3	30	11	34	20	34	29	33	35	32	49	30	48	30	66	30	82								
3	30	17	32	05	31	09	28	18	29	31	29	42	31	60	31	70								
3	30	23	19	12	19	17	19	28	24	17	28	18	33	35	33	53	32	61	32	58	32	70	32	67
3	31	05	29	15	26	26	24	26	25	29	26	31	27	30	30	40	32	38	32	51	32	52	31	53
3	31	11	35	10	35	21					33	19	32	30	32	44	31	43	30	36	32	43	30	43
3	31	17	18	23	16	28	17	33	18	19	18	17	19	14	18	16	16	22	28	11	28	18	28	20
3	31	23	20	14	21	21	21	30	21	32	21	29	22	33	22	30	20	36	19	42	22	21	23	18
4	01	05	20	17	19	26	21	38	21	39	21	40	21	45	20	50	20	62	21	44	20	48		
4	01	11	25	19	23	23					21	38	19	55	19	64								
4	01	17	20	12	20	13					22	29	21	47	19	69	19	93	19	112				
4	01	23	29	17	26	30	24	37	23	44	21	43	21	56	21	71	21	87	21	85	21	103		
4	02	05	28	25	26	33	25	38	24	37	23	50	23	59	22	73	22	80						
4	02	11	28	19	24	24	24	30	22	30	22	40	22	45	23	65	24	63	23	60				
4	02	18	29	19	27	34	27	38	27	34	26	35	25	53	25	44								
4	02	23	29	20	28	24	27	42	26	34	27	42	26	40	26	36	25	49	26	50	27	57	28	73
4	03	05	32	18	29	31	27	41	26	42	26	41	26	45	25	41	26	58	26	51	24	50		
4	03	11	30	15	28	34	25	45	25	37	26	39	25	45	24	39	24	56						
4	03	17	31	18	29	40	27	42	28	43	28	36	27	30	26	42	25	45						
4	03	23	33	19	31	27	31	41	31	42	30	45	29	47	28	41	29	43	28	48	26	55	26	59
4	04	05	34	22	33	59	31	54	31	55	30	51	29	48	31	58	29	62	28	61				
4	04	11	34	33			30	68	31	73	31	74	31	70	32	72	31	70						
4	04	17	32	19			29	46	31	48	31	55	31	71	32	100								
4	04	23	28	17	26	18	25	26	26	27	26	28	24	23	24	34	28	45	31	71	31	79	31	80
4	05	05	28	17	27	23	25	23	26	25	26	27	26	29	28	32	27	37	26	40	27	41	30	57
4	05	11	32	18	29	26	29	27	28	32	28	27	29	36	29	37	31	43	29	52	27	56		
4	05	17	32	17	31	27	29	34	29	38	30	40	31	57	30	45	29	58	28	70	25	73	26	72
4	05	23	32	21	32	28	31	35	30	28	31	37	30	41	30	49	30	57	29	65	28	70	28	71
4	06	05	33	20	32	35	30	43	30	37	31	41	31	45	30	51	30	79	29	64	28	76		
4	06	11	33	24	33	40	30	47	30	39	31	52	31	55	31	60	31	67	31	88	30	79		
4	06	17	34	24	33	35	30	45	30	39	30	39	30	48	31	65	32	73						
4	06	23	34	23	33	29	30	38	32	43	32	52	32	52	31	60	31	96	31	89	31	88	31	112
4	07	05	28	12	26	24	27	25	28	31	28	31	29	31	31	62	31	96	31	118				
4	07	11	22	05	24	09	23	12	24	16	27	21	27	28	27	33	28	39	28	56	29	72	30	66
4	07	17	29	09	25	19	25	18	24	19	25	20	27	29	27	35	27	40	28	40	29	55		
4	07	23	31	15	30	14	30	09	29	16	27	16	27	30	31	28	33	32	35	50	36	57	33	49
4	08	05	31	21	30	19	28	28	29	31	28	33	26	29	25	31	23	37	22	40	21	38	21	47
4	08	11	31	22	29	37	27	40	27	35	26	31	24	29	26	25	25	31	23	43	21	54	21	78
4	08	17	29	20	27	40	27	42	26	44	25	35	24	46	24	50	24	53	24	59	23	57		
4	08	23	29	15	27	31	26	35	25	30	25	31	25	34	25	44	23	38	25	43	25	43	24	31
4	09	05	29	18	26	28	26	22	26	28	26	29	25	31	25	43	26	34	27	34	27	32	28	26
4	09	11	30	12	27	24	27	28	29	26	27	21	28	31	28	33	29	37	30	29	32	43		
4	09	17	33	16	31	26	30	29	30	31	31	26	28	31	30	37	31	51	31	40	31	63		
4	09	23	33	19	32	26	31	31	30	33	30	34	30	34	29	45	27	33	24	25	23	27	24	24
4	10	05	33	24	32	29	31	47	31	42	31	35	30	39	30	32	29	31	28	19	28	20	25	16
4	10	11	33	22	32	46	31	45	30	37	30	32	30	39	29	32	29	28	30	24	28	23	30	21
4	10	17	33	21	32	37	31	44	31	33	30	31	31	33	31	29	31	27	31	22	31	16	31	18
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4	11	05	34	23	34	39	33	41	33	31	32	34	33	37	33	44	34	32	33	31				
4	11	11	35	21			35	53	33	45	33	48	33	34	33	36	34	27	35	36	31	21		
4	11	17	35	21			33	55	34	53	33	51	33	50	34	50	34	49						
4	11	23	33	20	32	31	31	39	32	50	32	40	33	47	33	51	34	51	34	59	34	68	34	63
4	12	05	32	35	31	50	30	50	29	61	30	55	32	41	31	50	32	100						
4	12	11	32	36			29	54	30	57	30	55	30	49	30	46	30	47						
4	12	17	32	38	29	49	29	50	29	61	29	62	29	65	29	62	29	60	30	95				
4	12	23	28	24	27	33	27	37	26	35	27	38	29	51	29	59	29	71	30	116	32	153		
4	13	05	23	07	24	07	24	15	25	21	25	25	28	33	29	50	30	55	30	65	31	88	31	107
4	13	11	23	03	23	11	24	10	23	11	23	16	25	26	28	50	28	79						
4	13	17	20	05	00	00	00	00	00	00	19	07	25	16	29	44	30	61	29	75				
4	13	23	14	14	12	16	13	14	13	14	17	07	27	10	29	38	29	57	29	72	30	87	29	93
4	14	05	14	15	13	18	11	24	10	18	14	06	20	13	28	32	27	41	29	59	30	74	29	91
4	14	11	11	19	11	25	10	30	08	25	08	19	08	06	30	22	30	30	30	38	30	62	30	73
4	14	17	13	23	10	36	09	36	06	35	05	18	09	06	31	22	31	45	31	50	32	72		
4	14	23	12	19	10	28	10	32	07	25	06	21	05	22	30	27	31	51	32	48	32	54	32	70
4	15	05	14	23	13	29	11	40	10	12	21	07	31	19	29	32	30	49	30	55	31	69	31	70
4	15	11	15	28	12	36	12	33	12	11	14	08	26	10	32	16	31	17	30	26	31	36	30	40
4	15	17	16	26	14	32			12	33	12	18	14	06	16	03	07	10	32	15	33	30	35	05
4	15	23	16	25			14	33	11	17	17	09	15	09	14	05	01	09	35	06	21	15	33	05
4	16	05	17	19	16	20	15	23	21	06	17	09	17	13	18	14	20	13	21	09	21	11	23	15
4	16	11	19	04	19	09	19	11	20	12	19	16	21	18	20	27	21	20	24	23	27	22	25	30
4	16	17	29	13	27	27	25	31	25	35	25	34	25	33	26	34	25	40	25	45	25	53	25	48
4	16	23	29	25	27	30	25	38	24	42	25	44	26	64	26	53	25	69	25	69				
4	17	05	28	23	26	35	23	30	23	37	22	38	23	48	23	70	23	85	24	97	24	79		
4	17	11	25	20	23	24	23	40	23	40	22	55	21	65	22	76								
4	17	17	27	21	25	15	24	27	23	43	23	46	21	57	22	70	23	70						
4	17	23	27	19	26	32	25	35	25	33	24	50	24	53	24	59	24	67	24	68	24	91	25	81

Results of Upper Wind Observations,
MACQUARIE 1961

MONTH	DAY	HOUR	SURFACE		1000 FEET		3000 FEET		5000 FEET		7000 FEET		10,000 FEET		15,000 FEET		20,000 FEET		25,000 FEET		30,000 FEET		35,000 FEET	
		GMT	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt
4	18	05	28	23	26	45	25	43	25	39	24	47	24	55	24	64								
4	18	11	28	17																				
4	18	17	29	27			25	43	25	57	25	55	24	53	24	58	24	69						
4	18	23	28	26	27	36	25	47	25	57	24	58	24	63	24	77	24	82	23	97	21	110		
4	19	05	28	23	27	45	25	59	25	53	24	54	24	62	24	73	24	77						
4	19	11	28	23	27	62	25	59	24	56	24	55	24	62	24	79	24	75						
4	19	17	29	22			26	44	25	49	24	50	25	64	25	61	25	77	23	87				
4	19	23	29	23	28	41	27	54	26	45	26	48	25	56	25	61	25	77	25	70	25	79	26	90
4	20	05	30	23	29	36	26	56	26	57	26	56	26	62	25	67	25	71	26	71				
4	20	11	30	26	29	38	27	59	27	60	26	52	27	52	27	64	25	70	26	86				
4	20	17	30	23			28	52	27	55	27	61	27	58	27	72								
4	20	23	30	25			28	56	27	56	27	59	27	65	27	89	27	90	27	95				
4	21	05	27	20			26	46	27	52	28	71	27	74	27	93								
4	21	11	27	17	25	25	25	47	25	39	26	43	26	55	27	93	27	116						
4	21	17	27	17	26	25	24	30	24	33	21	38	24	49	25	76	26	87						
4	21	23	27	09	26	09	26	10	25	19	24	18	25	35	25	68	25	87	25	114				
4	22	05	32	09	32	11	32	17	32	17	28	20	27	33	26	53	26	80	26	85	26	85		
4	22	11	01	11							30	29	31	35	27	66	28	89						
4	22	17	28	11	28	30	27	35	27	39	27	42	27	46	26	50	25	51	27	69	25	79		
4	22	23	29	02			30	32	29	40	29	40	28	45	29	48	30	41	29	57				
4	23	05	32	19			29	44	29	45	28	49	29	42	30	45	31	57						
4	23	11	31	16			31	31	30	36	30	43	30	39	30	43	31	75	30	99				
4	23	17	32	14	31	24	31	32	30	39	30	42	29	43	30	57	30	79	28	50	27	45		
4	23	23	34	13			30	35	31	38	31	42	31	45	32	51	30	35	31	49	32	62	31	86
4	24	05	34	14	33	22	32	34	32	35	31	38	32	44	32	41	31	49	32	65	33	81		
4	24	11	34	10					32	28	32	38	32	45	31	59	31	60	32	78	31	88		
4	24	17	29	10	30	22			29	21	32	30	32	44	32	55	32	72						
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4	25	05	28	16	27	37	26	34	27	37	27	40	28	47	28	40	29	31	28	41	29	46	30	51
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4	26	11	36	11	35	16	01	15	03	14	36	25	34	39	32	36	33	46	32	63	32	74		
4	26	17	23	10	22	09			23	37	23	39	23	40	25	28	27	24	25	36	25	37	25	40
4	26	23	25	17	25	24	23	46	24	49	25	47	24	48	23	78	23	78	23	94				
4	27	05	29	24	27	32	27	46	25	51	25	50	24	45	23	75	22	97	21	114				
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4	27	18	23	09	23	16			24	35	23	42	23	67	23	76								
4	27	23	27	17	26	25	26	30	25	41	23	49	23	51	24	63	23	65	22	92	23	99		
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4	30	17	35	09			32	29	32	33	33	47	33	51	33	62	32	85	34	102				
4	30	23	28	23	26	28	26	37	26	40	26	37	26	40	26	49	24	63	24	64	27	54	29	46
5	01	05	30	23	30	26	30	34	29	39	29	40	28	45	28	50	27	65	27	60				
5	01	11	34	30	35	47	34	56	31	68	30	58	29	61	30	60	29	76						
5	01	17	32	19	31	43	30	35	29	49	30	51	30	69	30	92	30	97						
5	01	23	33	23	31	23	31	40	30	46	30	50	30	69	31	99	31	114	31	125				
5	02	05	31	28	30	41	30	50	29	56	30	61	30	61	30	90	31	127	30	149				
5	02	11	32	25	30	39	29	45	29	46	29	46	29	51	30	71	30	87	30	141	30	112		
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5	03	11	31	21	29	28	28	37	28	38	28	33	26	38	24	40	23	58	23	65				
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5	04	11	27	03	26	05	23	14	28	20	27	20	29	16	26	10	16	23	14	30	15	35	19	12
5	04	17	27	12	25	15	23	20	25	25	25	26	27	28	25	21	22	30	19	43	19	65	21	36
5	04	23	25	07	24	12	23	17	24	23	23	34	24	29	20	38	20	54	20	64	17	88		
5	05	05	27	09	25	20	24	17	24	20	24	20	23	23	21	31	18	33	18	42	18	55	17	54
5	05	11	29	08	28	10	28	14	25	15	26	11	25	16	24	24	24	24	24	26	22	25	20	30
5	05	17	31	18	30	28	30	27	29	23	30	28	29	24	28	28	27	35	27	33	26	26	27	16
5	05	23	32	18	31	23	30	32	28	23	28	29	28	28	29	37	30	43	31	46	31	47	32	34
5	06	05	20	09			24	20	27	26	29	36	29	33	30	49	31	58	31	62	31	63		
5	06	11	20	09	20	15	20	17	18	18	23	13	23	15	24	19	22	31	30	33	32	47	30	43
5	06	17	19	02	19	09	20	08	23	08	22	12	22	13	21	23	21	24	20	26	20	26	24	18
5	06	23	00	00	00	00	00	00	28	02	32	04	27	05	26	12	25	15	24	13	25	09	25	12
5	07	05	35	04	34	09	36	08	35	08	31	10	31	11	29	18	29	18	29	20	30	14	28	12
5	07	11	36	16	35	24	36	24	34	20	33	16	32	19	28	18	26	14						
5	07	17	34	13	34	25	33	28	33	25	32	27	33	22	31	23	30	22	31	25	30	14	30	19
5	07	23	34	14	33	27	33	34	32	28	32	25	32	31	32	34	33	35	32	34	32	33	32	32
5	08	05	35	17			32	39	32	36	32	35	31	37	33	38	32	47	32	42	32	44	32	40
5	08	11	35	20			33	42	32	40	32	41	32	40	32	46	33	55	32	52				
5	08	19	29	05	25	17	26	22	27	22	28	23	33	45	33	63	34	68	33	73				
5	08	23	27	08	27	17	26	20	24	20	25	20	28	22	34	68	34	75	34	86	33	93	30	42

Results of Upper Wind Observations,
MACQUARIE 1961

MONTH	DAY	HOUR	SURFACE		1000 FEET		3000 FEET		5000 FEET		7000 FEET		10,000 FEET		15,000 FEET		20,000 FEET		25,000 FEET		30,000 FEET		35,000 FEET	
		GMT	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt
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5	09	11	19	08	19	22	20	23	20	23	20	20	21	23	20	30	20	36	18	68	19	56		
5	09	17	19	03	19	14	21	16	21	17	22	17	21	24	18	60	18	70	18	75				
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5	10	05	30	19	29	26	26	30	23	18	22	24	21	21	20	24	19	33	19	34	19	45		
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5	10	17	30	11	28	30	28	29	28	36	26	35	28	37	28	26	27	27	23	19	20	27	19	34
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5	11	17	28	17	26	36	26	27	26	39	25	41	25	35	26	38	25	40	23	42	23	54		
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5	13	05	31	03			24	10	25	10	26	07	26	21	26	20	24	20	22	22	23	27	22	38
5	13	11	29	06					33	5	29	15	28	20	26	11	23	13	24	18	23	22	22	30
5	13	17	30	08	29	11	27	10	31	15	32	18	30	21	28	18	28	11	27	15				
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5	14	05	33	08			31	14	29	21	31	22	32	21	32	15	30	13	30	26	31	29	31	33
5	14	11	33	14			31	22	31	28	29	23	29	20	29	21	30	21	31	28	31	30	31	37
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5	15	05	34	17	34	24	33	32	33	32	33	31	33	32	33	32	32	29	30	12	28	14		
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5	15	23	31	13			35	36	34	30	34	33	36	35	35	36								
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5	16	17	35	23	35	48	31	49	31	49	31	47	31	47	31	58	31	59	31	59				
5	16	23	30	25	28	32	28	40	29	52	29	47	30	61	31	69	32	89	31	93	32	89		
5	17	05	30	25	29	31	29	33	29	51	28	45	28	55	28	58	28	60	29	70				
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5	17	17	29	13	28	20	27	30	28	31	28	31	28	45	31	61	32	64	32	66	31	70	30	72
5	17	23	29	19	29	28	29	32	28	37	28	38	28	40	28	45	27	46	27	58	29	52	29	47
5	18	05	31	28	30	34	30	34	29	33	29	35	29	38	29	53	28	77	28	57				
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5	18	23	30	20	27	28	28	37	28	44	27	48	25	65	25	71	25	112	24	114				
5	19	05	32	22			30	36	29	52	28	47	28	50	28	60	26	75	27	65				
5	19	11	28	19	26	42	26	41	26	42	26	43	27	56	27	58	28	60	27	67	27	80		
5	19	17	27	10	26	15	25	24	24	33	24	42	25	46	25	63	25	73	25	80				
5	19	23	29	16	27	30	26	41	27	36	28	47	27	51	27	67	26	77	26	93	27	111		
5	20	05	27	12	26	30	26	31	27	33	24	41	25	53	26	76	27	102						
5	20	11	36	05	33	17			33	12	33	18	29	30	29	55	28	64	29	94				
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5	20	23	27	31	26	45	25	57	25	58	24	62	25	51	25	39	25	41	26	50	27	51	27	50
5	21	05	23	10	26	22	24	36	24	45	24	45	24	42	24	50	24	58	23	78	23	61	24	52
5	21	11	28	20	25	29	24	35	23	41	23	46	23	50										
5	21	17	27	09	27	17	27	22	26	21	24	24	24	29	23	43	23	57	23	65				
5	21	23	35	20	32	29	32	28	32	22	31	27	28	27	27	29	26	27	25	49	24	40	23	51
5	22	05	36	14	36	30	34	40	33	47	33	46	33	37	32	50	31	38	31	32	30	35	28	36
5	22	11	35	19	35	31	33	49	32	44	33	40	34	54	34	47	33	53	34	48				
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5	23	05	32	17	31	25	32	28	31	34	31	31	30	30	30	30	29	28	29	32	28	30	26	40
5	23	11	35	23	35	33	34	41	32	41	32	50	33	50	33	46	34	51	33	46	33	50		
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5	24	17	31	17	30	25	29	29	29	33	29	36	30	45	31	72	32	99						
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5	25	11	28	17	28	34	28	31	27	33	28	33	29	35	27	31	26	36	26	42	27	37		
5	25	17	27	14	28	30	27	32	26	39	28	31	27	33	27	39	27	38	25	56	24	70		
5	25	23	31	17	30	19	30	26	30	28	28	30	26	36	26	52	25	60	24	75	24	105	25	78
5	26	05	30	31			35	51	33	50	32	45	31	45	30	51	30	58	28	71	29	79		
5	26	11	32	27	32	40	30	60	30	56	29	60	29	58	29	63	29	57	29	67				
5	26	17	33	24	34	42	31	54	31	57	31	55	32	54	31	51	31	54						
5	26	23	33	30	31	45	31	41	30	47	31	40	31	38	30	31	31	28	31	35	29	48	29	55
5	27	05	27	45			25	65	24	66	24	65	24	59	25	41	26	53	28	69				
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5	27	17	27	26	26	46	25	46	25	48	24	51	25	46	26	66								
5	27	23	28	23	26	31	26	38	24	40	25	40	25	47	24	75	24	86	25	100	25	105		
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5	29	17	19	12	20	27	22	31	23	34	22	31	22	37	22	35	23	40	23	45	22	60	23	49
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5	30	05	31	17	29	25	29	23	28	26	26	31	26	26	25	32	24	61	25	77				
5	30	11	34	23	34	29	33	40	32	41	31	43	29	40	28	49	27	66	28	68	28	88		
5	30	17	27	17	26	28	27	23	25	29	25	29	28	38	32	55	30	58	31	74				
5	30	23	27	19	26	26	26	35	26	41	26	39	26	43	26	43	27	50	27	51	28	56	28	58

Results of Upper Wind Observations,
MACQUARIE 1961

MONTH	DAY	HOUR	SURFACE		1000 FEET		3000 FEET		5000 FEET		7000 FEET		10,000 FEET		15,000 FEET		20,000 FEET		25,000 FEET		30,000 FEET		35,000 FEET	
		GMT	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt
5	31	05	28	16	28	27	27	37	27	42	27	42	28	47	27	54	28	70	27	89				
5	31	11	29	23	28	37	27	42	27	44	27	53	26	53	26	60	27	62						
5	31	17	27	33	26	44	26	55	25	57	25	55	25	54	25	78								
5	31	23	27	22	27	31	26	39	25	40	25	46	25	50	25	78	25	98	25	118	24	120		
6	01	05	28	16	27	34	27	31	26	32	25	32	25	46	26	47	25	84	25	101				
6	01	11	32	05	33	13	33	19	31	23	31	21	30	22	28	52	27	59						
6	01	17	33	17	32	31	29	40	30	40	30	40	30	41	29	47	29	57	28	70				
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6	02	05	33	09	32	17	31	23	30	30	30	28	30	36	31	50	31	71	31	94	31	100		
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6	02	17	24	16	24	26	23	39	23	40	23	37	23	33	22	44	21	53	22	52	23	55		
6	02	23	23	10	20	26	20	26	20	26	21	30	23	30	24	39	23	46	20	54	20	60	22	52
6	03	05	20	02	20	09	21	15	22	20	21	30	21	32	20	45	20	49	20	62	19	72	20	63
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6	03	17	29	19	29	35	28	32	27	31	27	34	27	37	26	52	26	59	27	64	26	65		
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6	04	17	23	13	23	24	22	29	22	33	21	41	22	54	23	58	21	67	20	71				
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6	10	17	31	19	30	37	29	34	29	42	30	48	29	49	30	64	30	60	30	64				
6	10	23	31	17	31	33	31	32	30	35	30	42	29	54	29	51	29	60	28	66	28	72	29	83
6	11	05	32	24	30	50	28	52	29	56	28	58	28	68	27	80	24	78						
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6	15	23	29	11	26	23	27	22	27	26	27	28	26	34	28	55	28	80	28	98	29	86	29	73
6	16	05	26	03	27	08	25	09	29	19	30	33	28	46	30	66	29	83	30	101				
6	16	11	11	11	09	16	07	22	04	28	03	32	35	34	33	56	31	55	33	68	31	76		
6	16	17	36	12	36	23	35	50	34	50	35	39	35	43	33	40	34	53	33	58				
6	16	23	01	22	01	30	01	50	01	55	36	52	01	48	36	46	36	50	35	60	36	67	36	63
6	17	05	02	17	02	35	01	24	35	43	36	37	01	43	01	53	36	67	01	98	01	97		
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6	17	17	02	10	01	21	36	23	36	25	01	27	01	34	36	47	03	70	02	89	36	47		
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6	20	23	25	06	20	09	19	17	19	19	20	15	22	15	28	13	33	23	34	35	35	41	31	22

Results of Upper Wind Observations,
MACQUARIE 1961

MONTH	DAY	HOUR	SURFACE		1000 FEET		3000 FEET		5000 FEET		7000 FEET		10,000 FEET		15,000 FEET		20,000 FEET		25,000 FEET		30,000 FEET		35,000 FEET	
		GMT	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt
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7	02	17	28	16	27	30	26	31	26	42	26	51	26	49	25	52	26	41	23	26	26	21		
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7	03	05	28	25	26	34	25	50	24	49	24	55	25	53	25	52	23	61	23	63	23	63	23	65
7	03	11	28	21	26	26	24	37	23	45	23	56	24	60	23	48								
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7	08	11	18	18	18	17	18	25	20	27	20	30	20	35	21	43	20	53	19	62				
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7	11	11	33	07	33	14	30	18	28	14	28	14	31	20	31	19	30	22	31	28	29	33		
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Results of Upper Wind Observations,
MACQUARIE 1961

MONTH	DAY	HOUR	SURFACE		1000 FEET		3000 FEET		5000 FEET		7000 FEET		10,000 FEET		15,000 FEET		20,000 FEET		25,000 FEET		30,000 FEET		35,000 FEET	
		GMT	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt
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7	12	11	24	10	19	08	21	11	23	12	22	12	21	21	21	26	22	26						
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7	14	05	30	10	27	17	28	24	28	21	29	25	32	40	34	63	35	76	34	89	36	98		
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7	22	05	27	10	26	23	26	25	25	29	24	30	23	30	28	47	23	49	22	65				
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7	22	17	30	23	29	40	29	39	29	32	26	34	24	29	25	44	24	40	24	39	22	42		
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7	25	23	00	00	00	00	00	00	30	15	28	10	28	11	30	22	29	32	29	49	29	53	28	51
7	26	05	00	00			34	10	32	18	29	12	31	12	28	19	29	27	30	41	30	48	29	50
7	26	11	27	02			30	13	27	12	26	11	26	13	27	23	28	25	28	41	29	43	29	47
7	26	17	00	00	28	02	25	08	22	14	24	18	23	23	25	27	25	30	26	37	28	50		
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7	27	05	27	02	35	03	30	04	25	54	30	07	27	09	28	10	25	12	30	21	29	55	30	96
7	27	11	32	07	34	10	34	09	32	11	32	13	33	12	32	19	33	17	30	46	30	78		
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7	28	11	15	16			10	25	04	14	03	14	04	17	02	20	35	19	03	13	03	22	04	17
7	28	17	15	14	13	15	08	15	35	06	34	19	35	10	36	14	36	11	09	13	12	10		
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7	29	17	16	13	16	24	16	19	18	12	21	13	25	14	28	20	28	30	27	28	27	32	28	42
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7	30	05	33	12	33	21	32	24	30	30	30	31	28	34	28	37	29	53	30	62	30	73		
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Results of Upper Wind Observations,
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MONTH	DAY	HOUR	SURFACE		1000 FEET		3000 FEET		5000 FEET		7000 FEET		10,000 FEET		15,000 FEET		20,000 FEET		25,000 FEET		30,000 FEET		35,000 FEET	
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8	07	23	33	19	30	33	29	33	29	36	28	36	29	46	29	57	29	70	29	71	28	71	28	76
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8	09	05	34	24	33	36	32	44	31	46	31	44	31	41	31	46	32	59	32	65	33	77		
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8	09	17	34	27	32	41	31	44	31	50	31	59	32	64	31	65	31	68	32	82				
8	09	23	27	14	25	23	25	23	25	32	28	28	29	41	31	57	31	64	31	81	31	77	31	66
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8	12	05	30	17	27	28	27	35	27	32	26	36	25	35	25	47	25	57	25	62	24	72		
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8	12	17	30	18	28	31	27	32	28	28	27	38	26	27	26	43	26	56	26	51	26	61	25	72
8	12	23	33	18	32	24	29	38	29	40	28	36	28	45	28	49	27	59	28	61	27	67	27	75
8	13	05	28	24	26	35	26	47	26	42	25	44	24	38	26	50	27	58	28	72	27	76	28	82
8	13	11	27	23	26	37	25	31	25	40	26	44	26	40	27	47	24	54	26	72	26	81		
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8	14	11	31	20	30	28	28	35	28	34	29	35	29	40	29	38	28	47	28	54	28	36	27	45
8	14	17	31	25	29	38	28	50	28	44	28	42	27	40	27	45	28	50	28	51	27	54		
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8	15	05	27	15	25	22	25	31	25	40	25	45	26	52	23	43	21	45	22	47	23	53	25	61
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8	15	17	28	09	27	19	27	20	27	30	25	33	26	37	26	46	25	54	25	75	25	76	26	60
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8	16	05	28	30	25	40	24	49	23	47	24	43	23	48	23	44	24	48	24	50				
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8	18	05	32	17	31	24	29	25	30	33	29	33	30	33	30	32	31	37	30	35	30	44	31	48
8	18	11	32	21	32	35	30	30	31	38	31	38	31	39	32	42	32	51	31	57	31	63		
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8	19	17	33	26	32	41	30	49	30	47	30	46	29	45	30	49	30	67	29	77				
8	19	23	33	21	32	30	28	36	28	37	28	38	29	39	28	41	29	62	29	67	30	81	30	92
8	20	05	14	10			21	12	27	13	30	13	30	30	30	34	29	46	29	53	29	67	28	73
8	20	11	16	03			36	26	35	25	35	25	33	31	32	35	31	40	30	45	30	58	29	67
8	20	17	36	17	35	35	34	44	33	41	33	31	34	35	32	47	31	48	32	56	32	57		
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8	22	11	31	26	31	35	30	48	30	42	30	45	30	47	32	71	32	71	32	95				
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8	23	17	28	23	26	38	26	37	26	33	27	34	26	43	26	47	26	65	26	74	24	63		
8	23	23	20	19	20	27	20	34	20	41	21	41	22	43	23	43	21	63	20	99	21	84	21	76

Results of Upper Wind Observations,
MACQUARIE 1961

MONTH	DAY	HOUR	SURFACE		1000 FEET		3000 FEET		5000 FEET		7000 FEET		10,000 FEET		15,000 FEET		20,000 FEET		25,000 FEET		30,000 FEET		35,000 FEET	
		GMT	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt
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9	04	12	36	10	36	27	35	31	35	30	35	29	35	35	34	46	31	50						
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9	04	23	35	12	34	17	32	25	31	19	32	24	33	30	34	27	35	33	35	37	35	33	33	32
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9	09	05	28	23	26	33	24	44	25	40	24	48	24	55	24	66	22	80	22	100	22	89		
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9	09	17	27	23	26	39	24	37	22	42	21	50	23	49	21	50	21	62	21	66	20	67	20	82
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9	12	17	27	14	27	18	28	25	27	32	28	40	28	49	29	91	28	103	29	109				
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9	13	17	28	23	28	35	27	48	27	51	27	57	27	54	27	54	26	53	25	58	25	56	26	61
9	13	23	27	25	26	44	24	44	25	48	25	49	26	41	25	80	24	87	25	81	25	74		

Results of Upper Wind Observations,
MACQUARIE 1961

MONTH	DAY	HOUR	SURFACE		1000 FEET		3000 FEET		5000 FEET		7000 FEET		10,000 FEET		15,000 FEET		20,000 FEET		25,000 FEET		30,000 FEET		35,000 FEET	
		GMT	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt
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9	16	17	30	15	29	17	28	24	27	31	25	29	24	33	23	42	24	40	23	42	23	52		
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9	20	05	31	29	29	30	29	42	29	51	29	58	29	64	31	100	31	110	31	135	32	127		
9	20	11	31	36																				
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9	20	23	29	23	28	38	27	31	27	42	27	42	28	42	28	39	27	27	27	25	29	43	29	53
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9	24	05	01	12	35	20	33	21	32	31	32	33	31	27	27	50	26	65	26	67	27	76	27	80
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9	25	05	35	14	34	24	33	32	33	37	33	38	32	37	32	42	33	64	34	76	33	74	34	64
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9	26	05	23	09	23	18	23	17	26	24	27	23	27	37	23	43	25	37	25	42	24	43	24	44
9	26	11	25	10	25	14	25	21	26	25	25	29	25	33	24	44	24	47	23	58	23	64	25	58
9	26	17	30	17	30	21	29	28	27	36	25	41	26	43	26	49	25	62	24	73	24	78		
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9	27	05	32	17	30	32	28	46	28	43	28	42	29	53	28	64	27	75	27	93	27	92		
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9	29	05	27	21	26	27	25	30	25	29	26	24	25	43	26	49	25	69	24	79	24	100		
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9	29	17	31	24	30	33	30	47	29	42	29	32	28	42	27	65	27	73	28	61	30	52		
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9	30	05	33	26	32	41	31	55	31	50	30	47	29	56	30	69	28	79	28	79				
9	30	11	34	36	33	60	31	72	31	60	30	71	29	74	31	89								
9	30	17	31	27	28	46	27	61	27	62	27	64	27	66	26	76	25	84						
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0	04	17	33	33	33	50	32	65	32	65	31	65	31	70	31	60	31	68						
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Results of Upper Wind Observations,
MACQUARIE 1961

MONTH	DAY	HOUR	SURFACE		1000 FEET		3000 FEET		5000 FEET		7000 FEET		10,000 FEET		15,000 FEET		20,000 FEET		25,000 FEET		30,000 FEET		35,000 FEET	
		GMT	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt
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0	14	17	32	29	31	43	31	46	31	44	31	47	33	45	32	58								
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0	15	11	31	22	31	31	30	33	29	41	29	50	29	58	28	61	28	72	29	58	26	75		
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0	17	05	32	32	31	53	29	71	29	77	28	71	28	76	28	75	28	94						
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0	17	17	29	09	29	18	28	26	27	23	27	25	28	36	28	72	28	88	28	98				
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0	18	17	33	13	31	19	30	23	29	29	29	28	29	40	28	66	28	80	28	95				
0	18	23	31	14	29	22	29	25	29	29	28	31	28	43	28	74	28	94	28	100	27	116	27	140
0	19	05	30	10	27	28	26	25	27	27	28	45	27	51	28	68	28	87	28	112				
0	19	11	26	14	26	20	26	30	26	38	27	51	27	64	27	86	26	92						
0	19	17	27	16	26	32	27	34	27	40	26	55	26	65	26	68	27	64	27	67				
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0	20	05	28	10	26	11	27	19	26	26	27	29	26	27	26	43	27	56	27	105	27	138		
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0	22	11	32	16	31	27	28	29	29	36	29	44	29	48	29	69	30	74	29	82				
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0	24	11	27	10	26	19	28	28	29	30	30	41	32	52	33	59	33	76	33	90	33	86		
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0	24	23	34	10	33	17	33	19	32	21	32	22	32	24	32	58	33	87	33	111	33	113	33	122
0	25	05	28	12	28	24	28	22	29	27	30	31	31	38	31	52	33	86	31	125				
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0	26	17	28	17	26	21	24	24	24	27	25	39	26	44	28	47	29	49	29	55	30	61	30	65
0	26	23	27	09	26	10	24	12	24	14	26	21	26	43	28	42	29	51	29	56	30	68	30	61

Results of Upper Wind Observations,
MACQUARIE 1961

MONTH	DAY	HOUR	SURFACE		1000 FEET		3000 FEET		5000 FEET		7000 FEET		10,000 FEET		15,000 FEET		20,000 FEET		25,000 FEET		30,000 FEET		35,300 FEET	
		GMT	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt
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0	27	17	36	17	35	31	33	37	32	36	32	36	32	38	32	38	32	50	33	59	32	54	30	61
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0	30	05	31	23	30	32	29	33	28	45	28	58	28	53	28	71	28	79	28	91				
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11	01	05	31	20	28	35	28	41	28	42	27	43	28	64	26	46	25	52	25	65	24	80		
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11	02	23	27	15	27	24	26	22	26	31	27	39	27	45	28	52	27	69	28	85	28	97	27	95
11	03	05	27	15	26	20	26	23	28	35	27	38	26	39	28	57	27	63	28	80	28	91	27	100
11	03	11	32	08	31	16	28	22	27	35	27	28	28	42	28	46	29	62	28	79	28	96		
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11	03	23	33	16	31	33	29	33	30	34	31	41	28	43	29	53	30	53	30	66	30	77	29	68
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11	04	11	28	26	26	41	27	46	25	42	25	40	26	49	27	44	28	48	28	80				
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11	04	23	28	23	26	41	25	41	25	46	25	44	26	57	25	68	25	74	24	109	24	107		
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11	07	23	28	32	27	48	27	56	27	56	27	53	27	53	27	49	28	50	28	50	28	61	29	70
11	08	05	28	23	27	39	28	40	28	45	28	49	28	54	28	62	29	71	29	72				
11	08	11	27	08	27	12	28	19	29	27	28	29	29	37	29	38	29	56	30	63	29	55	29	61
11	08	17	01	07	01	08	01	18	36	15	35	18	33	19	29	29	30	38	29	48	29	45	29	54
11	08	23	35	10	34	12	34	17	33	16	32	19	31	22	31	29	30	39	30	47	29	52	30	58
11	09	05	01	09	34	20	34	21	33	20	33	23	33	26	32	30	31	35	32	45	32	48	30	67
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11	09	17	34	13	32	21	31	27	31	27	32	28	32	34	33	47	33	67	33	98	32	106		
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11	10	23	22	10	22	23	23	31	23	33	24	31	25	29	23	40	22	54	23	61	22	58	22	53
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11	11	11	32	26	31	43	29	59	28	58	28	61	28	60	27	60	27	74						
11	11	17	26	21	26	28	26	42	27	49	27	51	27	53	28	73	28	96						
11	11	23	27	17	26	30	25	29	26	35	28	35	27	40	28	57	28	75	28	77	28	73	29	71
11	12	05	28	17	27	29	27	37	27	44	27	39	27	50	27	60	28	65	27	66	28	65	28	65
11	12	11	26	12	25	37	28	36	28	34	28	31	28	47	28	47	29	47	29	51	28	66	28	67
11	12	17	29	16	29	25	28	37	29	39	28	40	28	42	28	47	29	46	27	55	28	62	27	61
11	12	23	32	14	32	19	33	27	29	32	30	30	31	33	30	39	30	49	27	51	26	65	26	73
11	13	05	28	17	26	27	25	37	26	38	26	44	26	37	26	50	25	80	25	92	25	92		
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11	14	05	27	15	26	29	27	29	29	40	29	52	29	61	29	89	29	119	29	118				
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11	15	05	28	10	27	16	24	23	25	26	25	28	26	29	25	50	24	67	24	85	23	110		
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11	15	17	27	22	26	31	28	40	30	28	31	36	31	37	32	34	30	43	30	45	30	42		
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11	16	05	28	19	26	38	25	32	25	34	25	32	25	36	25	37	25	36	25	37	25	47	24	53
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11	16	23	19	10	19	16	20	24	21	29	22	30	23	36	24	32	21	24	22	16	23	25	25	33

Results of Upper Wind Observations,
MACQUARIE 1961

MONTH	DAY	HOUR	SURFACE		1000 FEET		3000 FEET		5000 FEET		7000 FEET		10,000 FEET		15,000 FEET		20,000 FEET		25,000 FEET		30,000 FEET		35,000 FEET	
		GMT	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt
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11	17	11	19	11	21	23	21	33	21	31	22	34	22	33	21	49	21	64	21	72				
11	17	17	19	09	21	15	21	34	21	32	21	36	21	47	21	87								
11	17	23	19	09	20	14	21	26	22	24	23	22	22	49	21	64	21	80	20	87	21	101	21	103
11	18	05	19	10			22	21	22	15	21	34	21	42	21	55	21	57	21	73	21	85		
11	18	11	27	05	26	11	26	20	24	26	22	32	23	38	22	41	22	45	22	56	22	51	22	55
11	18	17	32	14	31	23	27	30	26	25	24	37	23	33	22	30	21	40	20	48	21	58		
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11	19	17	27	18			27	33	27	33	27	37	26	37	28	42	26	54	26	56	27	49		
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11	22	05	34	24	32	50	32	55	31	57	31	64	31	47	29	44	30	48	31	43	29	49		
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11	22	17	30	18	29	38	28	37	28	35	28	40	29	48	29	50	29	55	31	70	32	93		
11	22	23	32	19	29	28	29	35	30	31	29	28	29	37	29	42	29	52	29	56	30	60	30	63
11	23	05	31	17	29	32	30	29	29	26	29	30	29	32	31	46	31	47	31	49	29	38	31	44
11	23	11	30	12	29	26	29	23	28	21	30	31	31	33	32	49	32	62	32	66	32	66	31	73
11	23	17	32	10	32	24	32	30	31	33	30	31	31	38	31	51	31	64	32	79	31	87	31	73
11	23	23	34	16	32	29	31	35	31	35	31	34	31	35	31	55	31	70	32	98	31	111	31	89
11	24	05	33	21	31	38	29	34	29	36	30	47	31	44	31	54	31	101	31	92				
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11	25	17	27	16	26	27	26	32	26	32	26	35	26	42	25	35	25	42	22	58	24	44	26	47
11	25	23	23	09	23	15	22	21	23	27	22	34	23	46	23	60	22	65	22	70	22	71	24	55
11	26	05	19	10	21	09	22	18	23	19	22	28	22	42	23	46	23	52	23	60	23	76		
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11	26	23	31	13	29	20	29	17	33	10	34	08	31	11	28	14	25	20	28	26	28	41	28	42
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11	27	17	32	23	32	39	31	48	30	43	30	40	30	37	31	40	31	49	31	59	31	75	32	82
11	27	23	23	10	24	21	23	25	24	32	25	27	27	34	31	56	33	73	32	67	31	76	30	69
11	28	05	27	19	25	21	24	33	23	31	23	32	23	32	23	47	23	80	23	93	23	88	24	67
11	28	11	27	18	26	35	25	29	25	31	26	36	24	33	24	48	23	58	22	77	22	101	21	95
11	28	17	27	18	26	27	25	28	24	35	23	36	24	35	25	44	24	60	24	70	23	85	23	101
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11	29	11	32	19	30	26	28	29	27	29	29	29	29	32	29	42	29	53	29	61	29	73	29	70
11	29	17	32	19	30	38	29	38	29	38	28	36	28	36	29	40	29	58	29	55	28	57	29	64
11	29	23	32	15	30	30	29	27	28	28	28	25	29	29	29	42	29	47	29	55	29	62	29	63
11	30	05	32	13	30	31	29	26	30	25	29	32	29	32	30	47	30	56	30	58	30	67	30	76
11	30	11	33	16	32	24	31	31	31	30	31	30	31	18	30	41	30	46	31	62	30	90		
11	30	17	33	17	33	36	32	32	32	38	32	47	31	38	31	35	30	36	31	60	32	83		
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12	01	05	33	15	00	00	33	25	33	31	32	28	31	24	31	25	29	25	26	27	24	32	27	30
12	01	11	33	17	33	33	33	40	33	39	33	43	33	40	32	49	32	41	32	38	31	39	30	44
12	01	17	34	23	34	32	33	47	32	53	33	52	34	55	34	43	33	56	34	59	34	66	33	61
12	02	05	32	21	30	30	29	37	30	44	30	43	31	46	31	52	31	59	32	59	33	60	31	51
12	02	11	30	24	28	41	28	35	28	37	28	45	27	47	27	45	27	47	25	61	25	57	29	48
12	02	17	31	17	29	21	28	32	28	28	26	37	28	41	28	41	28	46	27	51	26	60	26	63
12	02	23	32	18	32	28	32	36	33	37	31	38	30	42	28	41	28	47	28	52	29	65		
12	03	05	33	23	33	32	30	48	31	44	31	46	31	54	31	65	30	65	30	68	30	63	29	66
12	03	11	33	28	33	44	32	61	32	63	32	55	31	63	31	72	31	74	30	86	30	98		
12	03	17	32	21	31	39	30	41	30	44	30	47	31	65	31	83	31	93	31	94				
12	03	23	31	19	30	34	28	35	29	35	29	39	30	51	29	77	30	91	30	112				
12	04	05	32	10	30	16	26	21	29	26	29	36	30	42	31	68	30	78	30	111	30	140	30	96
12	04	11	32	09	30	17	27	18	27	19	26	23	28	30	30	52	29	70	29	95	30	105		
12	04	17	29	08	28	15	27	20	27	26	27	25	28	33	27	58	27	67	29	76	29	86		
12	04	23	31	10	29	19	29	20	28	23	28	30	28	36	27	48	27	54	26	62	26	101		
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12	05	11	33	14	32	24	31	26	31	20	30	23	30	35	29	49	29	60	29	81	29	77		
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12	05	23	35	10	35	20	35	30	35	37	35	35	34	40	34	49	32	57	33	71	32	91	30	104
12	06	05	01	16	00	00	34	20	35	30	35	31	34	30	34	52	33	67	33	89	32	116	32	140
12	06	11	35	12	00	00	36	26	34	26	33	28	33	42	34	29	35	70	34	83	35	99		
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12	06	23	30	22	00	00	24	40	25	30	27	49	28	53	29	47	29	55						
12	07	05	33	28	30	27	30	38	29	50	28	49	28	53	29	47	30	46	31	61	31	67	31	57
12	07	11	34	28	33	30	31	47	31	51	30	51	30	50	31	47	31	74						
12	07	17	32	17	33	00	31	49	31	49	31	52	31	56	31	61	30	92						
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12	07	23	33	19	32	24	31	51	32	55	33	57	33	65	32	70	32	87	32	96	32	118	32	96
									33	41	32	44	32	52	31	69								

Results of Upper Wind Observations,
MACQUARIE 1961

MONTH	DAY	HOUR	SURFACE		1000 FEET		3000 FEET		5000 FEET		7000 FEET		10,000 FEET		15,000 FEET		20,000 FEET		25,000 FEET		30,000 FEET		35,000 FEET	
		GMT	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt
12	08	05	36	09	35	14	34	14	33	19	33	27	34	45	34	60	33	71	32	99	35	124		
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12	08	17	19	04	00	00	00	00	00	00	00	00	24	09	32	25	35	34	36	71	01	83	36	62
12	08	23	34	19	14	09	00	00	00	00	00	00	00	00	34	12	33	18	34	29	34	43	35	45
12	09	05																						
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12	10	05	02	08	00	00	00	00	03	16	36	21	33	28	32	35	32	45	32	57	31	51	29	32
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12	12	05	33	33	32	50	30	56	29	53	29	45	30	50	30	56	30	70	29	71				
12	12	11	30	19	28	40	28	37	28	45	29	49	29	51	29	47	29	54	29	60	29	53		
12	12	17	27	22	27	28	27	37	27	38	26	39	24	49	24	54	24	67	24	80	22	93		
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12	13	05	32	22	30	35	29	39	28	40	27	44	26	54	27	56	27	72	26	68	26	74	26	94
12	13	11	32	26	00	00	31	40	30	46	31	55	30	58	29	71	29	78	29	80				
12	13	17	32	27	27	43	27	55	27	46	27	57	27	73	27	79								
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12	14	05	27	30	24	31	25	46	25	46	25	46	25	54	25	66	25	102	27	110				
12	14	11	29	20	00	00	25	30	25	38	24	45	24	50	24	70	25	83	24	78				
12	14	17	27	21	00	00	25	37	24	31	25	41	25	38	24	62	24	65	25	76				
12	14	23	27	12	24	16	24	18	23	25	23	35	23	43	22	52	23	62	23	85	22	98	22	113
12	15	05	27	16	27	26	26	23	25	23	23	29	23	26	23	39	23	50	22	52	23	72	23	120
12	15	11	27	14	00	00	00	00	28	27	27	20	27	22	25	34	25	36	26	40	26	40	26	44
12	15	17	31	18	30	25	28	31	27	27	27	31	26	37	26	35	25	34	25	43				
12	15	23	31	20	30	28	30	32	29	32	29	32	28	33	26	34	26	36	25	41	25	53	25	61
12	16	05	32	12	31	28	29	37	30	31	29	46	29	25	29	24	28	22	27	33	26	49	25	62
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12	16	17	34	15	33	19	32	38	32	30	31	37	31	34	20	36	30	39	30	42				
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12	17	05	34	21	00	00	32	30	31	41	31	35	30	33	29	33	29	29	30	38	30	55	28	45
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12	18	05	34	17	00	00	00	00	32	32	32	42	32	42	32	58	32	50	32	64	31	77		
12	18	11	32	19	00	00	30	29	32	51	33	59	33	54	32	60	32	63	32	78	32	85		
12	18	17	34	15	32	23	31	38	31	36	32	42	33	57	33	66	32	66	32	75				
12	18	23	32	06	31	15	32	36	32	34	31	31	32	40	34	72	34	100	34	123	33	130		
12	19	05	32	20	00	00	31	40	30	31	30	31	30	44	30	54	31	48	31	73				
12	19	11	32	24	00	00	30	41	29	43	28	37	29	37	30	46	31	62	30	80				
12	19	17	29	20	28	46	27	42	27	43	28	44	28	44	27	48	27	41						
12	19	23	28	26	27	37	27	47	27	50	26	45	26	47	26	57	26	59	25	62	27	74	27	63
12	20	05	27	24	26	32	26	40	26	40	26	46	25	53	25	55	24	76	27	96				
12	20	11	29	21	27	30	26	40	25	40	26	46	26	45	26	75	27	88	27	61				
12	20	17	28	17	28	34	27	41	27	32	26	46	26	55	26	56	26	62						
12	20	23	29	16	27	28	27	27	26	31	26	39	26	49	25	74	25	85	25	100	25	108		
12	21	05	28	14	27	32	27	32	26	38	27	44	26	49	26	64	26	82	26	86				
12	21	11	29	16	00	00	27	32	27	36	26	50	27	55	27	50	26	64	27	90				
12	21	17	29	16	28	33	27	29	26	37	27	49	27	48	27	57								
12	21	23	27	17	26	28	26	28	26	32	26	37	26	50	25	71	26	82	26	102	26	102		
12	22	05	31	09	00	00	28	27	27	30	27	33	27	40	27	67	27	66	28	77				
12	22	11	31	10	00	00	00	00	27	35	27	35	27	43	26	54	25	52	25	60	24	51		
12	22	17	31	16	30	33	29	38	29	39	28	44	28	45	27	51	25	55	26	60				
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12	23	17	25	20	00	00	23	45	24	54	25	46	23	44	24	45	23	60	23	66				
12	23	23	29	30	27	32	24	37	24	35	23	50	23	58	23	79	23	90	21	88	22	101		
12	24	05	29	19	26	27	22	38	23	42	23	42	23	59	22	72	23	62	22	75				
12	24	11	27	11	23	19	24	19	23	30	23	40	24	51	23	76	23	86	23	85	23	79	23	93
12	24	17	28	10	00	00	00	00	27	28	25	26	25	42	25	50	26	50	25	51	26	58		
12	24	23	29	16	33	27	31	43	30	58	30	35	30	44	28	50	29	58	28	59	28	53	29	54
12	25	05	28	17	00	00	28	33	28	40	28	46	28	66	29	45	28	62	28	68	29	70		
12	25	11	27	21	26	57	26	50	27	57	27	66	27	63	27	78	27	81	27	72				
12	25	17	27	24	27	56	26	54	25	54	25	64	25	80	26	80	26	65						
12	25	23	29	24	27	35	25	41	24	46	23	56	24	66	25	70	25	70	25	72	25	91	25	97
12	26	05	27	21	27	31	26	30	25	31	25	34	25	43	24	59	25	59	25	73	25	70		
12	26	11	31	19	30	23	30	26	29	30	28	33	27	40	26	42	27	52	26	66	27	74	26	72
12	26	17	29	19	00	00	30	32	31	40	30	30	29	41	29	40	28	54	28	65	28	72		
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12	27	05	32	24	30	35	30	68	30	50	30	69	31	69	30	84								
12	27	11	29	12	28	16	28	24	30	41	30	47	29	50	29	52	30	60	29	74	29	79	29	89
12	27	17	27	04	00	00	32	35	30	21	29	38	29	35	30	51	30	69	31	85	30	111		
12	27	23	12	03	09	04	02	08	32	12	30	18	29	35	28	52	29	63	28	87	28	101	28	101
12	28	05	04	12	00	00	00	00	00	00	34	44	32	58	30	72	29	65	28	68	28	70		
12	28	11	35	30	34	44	33	63	32	69	32	75	33	63	32	78	33	62	32	67	32	71	32	67
12	28	17	35	30	34	60	33	68	33	81	33	90	32	70	32	63	33	70	34	66	33	73		
12	28	23	34	11	32	20	29	31	32	33	32	44	32	47	33	82	34	90	34	102	35	124		
12	29	05	32	14	29	26	29	35	03	33	31	38	32	44	32	56	33	90	34	133	33	75		
12	29	11	32	16	00	00	30	25	30	28	30	27	31	26	30	35	29	39	29	42	31	49	32	66
12	29	17	22	01	00	00	00	00	30	28	30	27	30	25	30	43	30	46	30	50	30	52	30	57
12	29	23	34	07	35	10	34	20	32	27	31	30	32	43	32	55	33	53	32	70	32	83	32	76

Results of Upper Wind Observations,
MACQUARIE 1961

MONTH	DAY	HOUR	SURFACE		1000 FEET		3000 FEET		5000 FEET		7000 FEET		10,000 FEET		15,000 FEET		20,000 FEET		25,000 FEET		30,000 FEET		35,000 FEET	
		GMT	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt
12	30	05	34	24	33	30	33	38	33	47	33	76	33	51	32	57	32	69	32	67				
12	30	11	34	29	33	38	31	47	31	46	31	46	32	45	32	57	32	73	32	76	32	79	32	107
12	30	17	32	35	00	00	00	00	00	00	24	46	26	37	28	36	29	31	30	52	32	74		
12	30	23	27	18	26	21	25	30	25	26	24	26	25	29	25	27	25	29	25	26	25	33	29	36
12	31	05	29	16	28	28	27	22	26	31	26	33	27	31	24	33	25	35	24	37	24	46	25	44
12	31	11	32	20	00	00	31	34	30	33	30	27	28	32	28	35								
12	31	17	34	26	33	31	31	34	31	38	31	31	31	43	30	37	31	53	25	49	25	55	23	96
12	31	23	34	37	33	56	32	63	32	71	31	62	31	58	30	57	30	62	30	60				

Results of Upper Wind Observations,
MACQUARIE 1961

MONTH	DAY	HOUR	40,000 FEET		45,000 FEET		50,000 FEET		55,000 FEET		60,000 FEET		65,000 FEET		70,000 FEET		75,000 FEET		80,000 FEET		85,000 FEET		90,000 FEET	
		GMT	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt
1	01	05	28	45	28	46																		
1	01	17	25	40	25	42																		
1	01	23	26	51	26	48	26	31																
1	08	23	27	66																				
1	12	23	32	33	32	39	31	11	30	23	30	09												
1	13	23	36	50																				
1	21	23	26	30	26	22	28	23	28	32	25	13												
1	22	23	22	48	25	48	20	41																
1	23	05	26	61																				
1	23	23	26	60																				
1	27	23	23	65	21	56	23	45																
1	28	11	25	17	23	19	22	30																
1	28	17	21	14																				
1	28	23	22	30	21	27	23	21	20	13	20	22												
1	29	05	21	27	22	26																		
1	29	23	30	52	30	37	31	15	36	25														
2	01	05	29	26																				
2	03	23	27	73																				
2	06	23	29	59																				
2	07	23	30	63	31	65	31	31																
2	09	11	29	59	29	49	30	40																
2	09	17	31	39	30	42	30	42	30	32	31	27												
2	09	23	30	34	28	60	31	27	33	25	32	24												
2	10	05	30	32	27	30	30	38																
2	10	23	26	21	27	28	28	22	28	12	30	15												
2	11	05	25	25	27	27	26	23	27	12	29	21												
2	11	11	24	30																				
2	11	23	22	37	23	26	25	25	26	04	23	03												
2	12	23	29	32	26	36																		
2	13	05	30	47																				
2	13	17	26	43																				
2	13	23	24	36																				
2	14	05	25	58																				
2	16	23	25	55																				
2	23	23	28	39	27	41																		
2	24	11	29	42																				
2	24	23	30	48	29	39	30	35	28	32	28	25												
2	25	05	31	51	29	44																		
2	25	11	30	52																				
2	25	17	30	39	30	40	29	48																
2	25	23	33	30	29	47	29	36	28	25	31	23												
2	26	05	31	38	29	34																		
2	26	11	31	24	30	33	32	30																
2	26	17	30	43	29	41																		
2	26	23	30	48	31	33	30	34	29	23	29	43												
2	27	17	20	47																				
2	27	23	19	33	22	26	26	28	31	31	29	24												
2	28	05	23	20	24	20	25	17																
2	28	11	28	16	27	10																		
2	28	17	31	37																				
2	28	23	35	50	32	36																		
3	02	23	31	40	29	49	31	32																
3	05	11	29	40																				
3	05	17	26	50																				
3	05	23	32	24	28	30	30	21	29	29	30	20												
3	06	05	27	30	27	31	27	29																
3	07	23	27	61	27	59	31	55																
3	08	23	29	53	29	55																		
3	09	05	30	42																				
3	09	17	27	30																				
3	09	23	30	28	28	31	29	36	29	25	32	29												
3	10	05	29	25	30	19																		
3	10	11	25	17	26	17	26	11																
3	10	17	21	25																				
3	10	23	18	31	20	29	18	15	24	06	28	06												
3	11	23	20	63	20	42	20	26	21	12	20	11												
3	12	05	22	34																				
3	12	23	26	52	26	45																		
3	13	05	26	58																				
3	13	11	26	49	27	43																		
3	13	17	28	31	30	38																		
3	13	23	32	32	30	27	30	25	29	27														
3	23	23	28	54	27	40																		
3	28	23	25	99																				
3	30	23	31	61																				
3	31	05	31	58	30	48	29	42																
3	31	17	28	25	27	29	27	24																
3	31	23	26	19	26	20	27	24	27	23														

Results of Upper Wind Observations,
MACQUARIE 1961

MONTH	DAY	HOUR	40,000 FEET		45,000 FEET		50,000 FEET		55,000 FEET		60,000 FEET		65,000 FEET		70,000 FEET		75,000 FEET		80,000 FEET		85,000 FEET		90,000 FEET	
		GMT	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt
4	02	23	26	56	26	47	24	43	24	43														
4	03	23	26	62	25	54	25	35																
4	04	23	30	67	29	52																		
4	05	23	27	70																				
4	07	23	30	33	27	35																		
4	08	05	22	51	24	27	25	23	25	33	28	20												
4	08	11	21	56	25	38	25	31																
4	08	23	22	16	21	28	25	27	26	23	27	27												
4	09	05	31	37	29	25	27	23	27	18	25	21												
4	09	23	27	28	27	31	28	24	27	16														
4	10	05	30	18																				
4	10	17	28	19																				
4	10	23	31	13	30	21	29	31	29	21														
4	11	23	32	51	29	35	33	42	31	22														
4	13	23	28	79	29	59																		
4	14	23	30	59	29	53	29	33	26	33	27	23												
4	15	05	31	50	30	53																		
4	15	11	30	38	29	48	28	32																
4	15	17	31	17	29	36	29	28	27	25														
4	15	23	30	20	30	28	29	26	29	25	27	19												
4	16	05	28	17	29	33	29	31																
4	16	11	27	33	29	34	28	32																
4	24	23	31	57	31	53	31	47	29	35														
4	25	11	32	50																				
4	25	17	28	47																				
4	25	23	27	45																				
4	28	11	27	49																				
4	29	11	28	46	28	46																		
4	29	17	27	47																				
4	30	23	29	51	29	42																		
5	03	23	29	37	32	22	27	38																
5	04	05	30	32																				
5	04	11	28	23	26	29	28	23																
5	04	17	27	23	26	26																		
5	05	05	20	48																				
5	05	11	21	28	23	26																		
5	05	17	23	08	26	20	27	24																
5	05	23	32	38	29	25	27	32	26	44														
5	06	11	30	34	27	34																		
5	06	17	27	22	27	31																		
5	06	23	28	18	28	26	29	26	29	32														
5	07	05	27	20			29	27	30	36	27	37												
5	07	17	31	36	31	30	30	35																
5	07	23	30	33	32	30	30	27	31	41	31	34												
5	08	23	31	35																				
5	09	23	22	25	23	33	20	25	27	40	27	29												
5	10	11	22	39	23	36																		
5	10	17	23	33	25	36																		
5	10	23	30	30	25	40	25	45	25	50														
5	11	23	23	45	25	38	27	44	27	37														
5	12	05	25	50																				
5	12	23	23	45	24	32	27	35	27	31														
5	13	05	22	46	25	26																		
5	13	11	23	34																				
5	13	23	29	26	31	26	28	26	27	41	28	31												
5	14	05	31	30	28	29	28	25																
5	14	11	31	37	30	25																		
5	14	23	28	29	30	32	28	29	29	32	27	18												
5	16	11	28	66																				
5	17	17	31	66																				
5	17	23	31	53	29	50																		
5	20	17	28	64	27	57																		
5	22	23	24	39	27	39	26	36	28	52	24	46												
5	23	05	27	48																				
5	23	23	31	53	32	48	31	30																
5	26	23	28	54																				
5	28	23	29	58	28	52	28	51	27	60														
5	29	05	27	42	26	50	28	48																
5	29	11	25	44	26	44																		
5	29	17	23	47																				
5	29	23	24	52																				
5	30	23	28	63	28	62																		
6	02	23	24	45	26	52																		
6	03	05	20	48																				
6	03	11	24	46	23	41																		
6	04	05	28	53																				
6	04	23	23	50																				
6	06	23	24	51	24	59	25	56																
6	07	05	24	61																				
6	07	23	25	32	25	41	24	57	25	56	25	59												

Results of Upper Wind Observations,
MACQUARIE 1961

MONTH	DAY	HOUR	40,000 FEET		45,000 FEET		50,000 FEET		55,000 FEET		60,000 FEET		65,000 FEET		70,000 FEET		75,000 FEET		80,000 FEET		85,000 FEET		90,000 FEET	
		GMT	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt
6	08	11	25	43																				
6	08	17	26	41																				
6	08	23	26	52	27	49																		
6	09	05	26	47																				
6	09	11	25	46																				
6	09	17	26	50																				
6	09	23	26	51	26	47																		
6	10	05	26	53																				
6	10	23	28	65	27	55																		
6	15	23	28	69																				
6	16	23	35	68																				
6	17	23	35	15	30	15	27	18	28	27														
6	18	05	32	11	31	21	29	22	29	22														
6	18	17	29	12																				
6	18	23	29	10	27	14	27	24	27	24														
6	19	05	25	12																				
6	19	17	22	10																				
6	19	23	15	04																				
6	20	05	28	05	29	14																		
6	20	11	30	12	30	23																		
6	20	17	31	30																				
6	20	23	31	32	31	42	30	53	30	56	30	49												
6	21	05	31	41																				
6	21	11	28	31	29	34																		
6	21	23	23	29	26	36	26	46																
6	23	11	24	38	26	37																		
6	23	17	27	40																				
6	23	23	28	37	27	38	28	39	28	41														
6	24	05	29	41																				
6	24	17	31	47																				
6	24	23	30	32	30	36	30	40																
6	25	05	28	35	28	35																		
6	25	23	27	45	25	62	27	65	27	55	26	70												
6	26	05	27	47	27	55																		
6	26	11	27	56																				
6	26	17	28	42																				
6	26	23	27	55	26	62	27	63	26	70														
6	27	05	26	49	26	53	26	61																
6	27	11	25	44																				
6	27	23	24	43	24	48	25	47	27	59	27	55												
6	28	05	25	44																				
6	28	23	23	41	24	41																		
6	29	05	21	48																				
6	29	23	22	50	21	27	25	45	24	37	28	51												
7	01	23	26	30	26	41	27	47																
7	02	23	25	50	26	43	26	46																
7	03	23	25	33	26	40	27	46	28	48														
7	04	05	24	51	27	45																		
7	04	23	25	39	25	50	26	54	26	58	25	54												
7	05	23	25	51	25	50	25	52																
7	06	05	25	51																				
7	06	23	23	42	26	48	26	41																
7	07	23	24	47	25	47																		
7	08	05	23	43																				
7	08	23	20	70	21	64																		
7	09	23	25	48	25	55	25	60	25	58	25	60												
7	10	23	26	46	26	55																		
7	11	05	27	55																				
7	11	23	24	36	26	50	27	52	28	70														
7	12	05	24	43																				
7	12	23	29	43	28	48	27	51	29	48	28	67												
7	13	05	34	47																				
7	13	23	32	47	30	50																		
7	14	17	28	34																				
7	14	23	26	27	27	40	27	48	27	48														
7	15	23	25	32																				
7	16	05	28	38																				
7	16	23	22	31	25	41	25	37	24	48														
7	17	23	29	25	29	29	28	26	28	39	28	37												
7	18	11	29	26	29	34	29	40	29	43														
7	18	23	28	34	27	42	28	56	27	63	27	40												
7	19	23	29	39																				
7	20	23	26	77																				
7	21	23	27	60	27	65																		
7	22	23	25	51	25	60	25	69																
7	23	05	23	45	25	55																		
7	23	11	22	34																				
7	23	17	28	18																				
7	23	23	34	27	29	40	28	48	28	55	28	62												
7	24	05	34	46																				
7	24	00	28	51	29	56																		
7	25	23	29	61	29	83	29	98																
7	26	05	29	63																				
7	26	23	29	75	29	72	28	85	29	91														

Results of Upper Wind Observations,
MACQUARIE 1961

MONTH	DAY	HOUR	40,000 FEET		45,000 FEET		50,000 FEET		55,000 FEET		60,000 FEET		65,000 FEET		70,000 FEET		75,000 FEET		80,000 FEET		85,000 FEET		90,000 FEET	
		GMT	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt
7	27	05	30	92	28	88																		
7	27	23	31	72	30	51	28	47	28	57	28	76												
7	28	05	32	36																				
7	28	23	29	21	29	35																		
7	29	05	28	31																				
7	29	23	29	52	28	50	28	58	27	70														
7	30	23	26	48																				
8	01	23	31	72	30	74	30	74	28	96	30	72												
8	02	23	26	39	28	60																		
8	03	05	26	51																				
8	03	23	28	62	27	78																		
8	04	05	26	62																				
8	04	23	20	60	23	54	24	52	25	68	28	94												
8	05	05	24	55	24	50																		
8	05	23	25	48	25	49	26	54																
8	06	05	25	41																				
8	06	11	29	31																				
8	06	23	29	39	28	41	27	70	27	58														
8	07	05	27	54																				
8	07	23	29	72																				
8	08	23	30	55	31	57																		
8	09	23	29	47	28	58																		
8	10	05	28	52																				
8	10	23	26	44	27	48	27	55	26	53														
8	11	23	25	47																				
8	12	23	27	60	27	63																		
8	13	23	25	65	26	71	26	63																
8	14	23	27	74																				
8	15	05	26	60	26	65																		
8	16	23	24	53	23	43																		
8	17	05	24	48																				
8	17	23	28	38	26	44	27	43																
8	18	23	28	54																				
8	19	05	29	62	29	75																		
8	19	23	29	80	29	65																		
8	20	23	31	66	30	64	29	58																
8	21	23	32	60																				
8	22	23	31	53	31	60	30	57																
8	23	05	30	55	29	64																		
8	23	11	28	62																				
8	24	11	22	60	24	67																		
8	24	23	23	45	24	55	26	57	25	76	25	71												
8	25	11	23	43																				
8	25	23	27	51	28	55	27	65																
8	26	05	26	52	27	62	26	57	27	64														
8	26	23	28	65	27	55																		
8	27	23	27	68																				
8	28	05	26	61																				
8	28	11	27	51	26	50																		
8	29	05	25	45																				
8	29	23	25	42	25	42	25	46	25	48	25	60												
8	30	05	24	39																				
8	30	18	23	41	26	45																		
8	30	23	22	43	25	37	26	54	25	63														
8	31	11	24	40																				
8	31	17	26	32	26	45																		
8	31	23	27	30	27	45	27	48	26	68														
9	01	05	28	37																				
9	01	11	27	38																				
9	01	17	28	36																				
9	01	23	27	35	27	50	27	52	27	70														
9	02	05	27	32	27	48																		
9	02	11	27	30	26	45																		
9	02	17	27	30	27	48																		
9	02	23	27	31	28	46	28	57	27	63	28	74												
9	03	05	28	34																				
9	03	11	29	37	28	50																		
9	03	23	30	56	29	64	30	70	30	62														
9	04	05	32	57	32	66																		
9	04	23	32	44	30	55	30	58	29	60														
9	05	05	32	39																				
9	05	11	30	35																				
9	05	23	30	47	30	43																		
9	06	23	32	49	31	62	30	60	30	64														
9	07	05	27	44	29	42																		
9	07	17	25	60																				
9	07	23	25	57	26	51	27	65	27	62	27	85												
9	08	05	28	54																				
9	08	23	28	63																				

Results of Upper Wind Observations,
MACQUARIE 1961

MONTH	DAY	HOUR	40,000 FEET		45,000 FEET		50,000 FEET		55,000 FEET		60,000 FEET		65,000 FEET		70,000 FEET		75,000 FEET		80,000 FEET		85,000 FEET		90,000 FEET	
		GMT	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt
9	09	23	22	81																				
9	11	05	25	77																				
9	12	23	28	87	27	90																		
9	13	11	27	74	27	83																		
9	13	17	27	65	26	67																		
9	14	17	24	77	24	80																		
9	14	23	24	72																				
9	15	23	23	59	23	54																		
9	16	23	24	48																				
9	17	05	24	48	25	53	25	52	27	60														
9	17	11	24	51	25	49	25	58																
9	18	17	26	64	25	54																		
9	18	23	27	53	26	62																		
9	19	17	27	84																				
9	20	17	30	69																				
9	20	23	29	64																				
9	21	11	29	48	29	61																		
9	21	23	26	52	27	65	27	70	28	75	29	87												
9	22	17	27	50																				
9	22	23	26	50	26	65	26	75																
9	23	05	25	50																				
9	24	05	25	62																				
9	24	11	27	54																				
9	25	11	32	45	30	49	29	49	30	42														
9	25	17	30	38	29	47	28	46																
9	25	23	27	41	28	37	29	46	29	51														
9	26	05	24	45																				
9	26	23	27	83	27	82																		
9	29	11	26	96																				
0	04	05	30	82																				
0	07	23	28	113	27	112	28	97																
0	08	23	28	77																				
0	10	23	25	103	25	87	26	79	26	90														
0	11	23	29	64	28	55																		
0	12	05	30	40	30	43																		
0	12	11	32	25	28	46																		
0	12	17	32	38	30	43																		
0	12	23	32	42	30	44	30	58	28	58														
0	13	05	32	38	30	47																		
0	14	23	29	75	27	83																		
0	15	05	28	64																				
0	15	23	27	64	27	64	26	59	27	55	26	60												
0	16	11	24	58																				
0	16	23	28	90																				
0	19	23	27	89	26	76	27	46	26	47														
0	20	17	28	70																				
0	20	23	30	70	29	52	28	62																
0	21	11	28	39	27	47																		
0	21	23	28	53	29	63	28	62																
0	22	23	29	58	29	56	29	63	28	71														
0	23	11	30	47																				
0	23	17	30	53																				
0	23	23	31	62	30	63	31	58																
0	24	23	33	118																				
0	25	17	28	49																				
0	25	23	28	52	27	48	28	50																
0	26	11	30	61	29	65																		
0	26	23	30	64	29	61																		
0	27	11	29	64																				
0	27	23	30	52																				
0	28	05	31	49																				
0	28	23	30	71	30	79																		
0	29	17	25	67																				
0	29	23	26	82	26	88	25	85																
0	31	23	23	73																				
11	02	23	27	91																				
11	03	23	29	65	28	50	28	45																
11	05	23	28	70	28	65	27	67																
11	06	05	28	71	28	90																		
11	06	23	30	63	30	60																		
11	07	23	29	74	30	69	30	65	29	41														
11	08	11	29	72	30	68																		
11	08	17	29	55																				
11	08	23	30	71	30	64	30	67																
11	09	05	31	73																				
11	10	05	31	41																				
11	10	23	23	62	24	53	22	54	24	44														
11	11	05	25	51																				
11	11	23	28	71	28	59																		

Results of Upper Wind Observations,
MACQUARIE 1961

MONTH	DAY	HOUR	40,000 FEET		45,000 FEET		50,000 FEET		55,000 FEET		60,000 FEET		65,000 FEET		70,000 FEET		75,000 FEET		80,000 FEET		85,000 FEET		90,000 FEET	
		GMT	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt
11	12	17	28	67																				
11	12	23	26	78	26	78																		
11	15	23	26	60	25	63																		
11	16	05	25	59																				
11	16	23	26	42	25	54	26	46	25	53	25	53												
11	17	05	23	62																				
11	18	23	23	42	23	55	24	58																
11	19	05	24	36																				
11	19	11	26	40	26	44																		
11	19	23	27	60																				
11	21	11	25	66																				
11	21	17	27	52	25	58																		
11	21	23	27	52	27	53	26	45	26	45														
11	22	23	30	64	30	59	29	49																
11	23	23	32	64																				
11	24	11	30	66																				
11	24	17	30	51	29	48																		
11	24	23	30	50	30	45	29	46	28	37	29	30												
11	25	05	30	45	29	43																		
11	25	23	25	48	27	45	27	31	27	48														
11	26	11	24	48																				
11	26	17	25	42																				
11	26	23	26	42	28	28	27	28	27	28	26	22												
11	27	05	29	43	28	34	28	31																
11	27	11	29	46	29	45																		
11	27	23	29	48	29	47	29	36	25	36	27	28												
11	28	23	25	62	26	43	26	38	27	29														
11	29	23	29	59	30	45	29	31																
11	30	23	30	45	29	43	29	35	29	34	28	25												
12	01	05	28	36	29	48	29	39																
12	01	11	31	42																				
12	01	23	30	40	31	42																		
12	02	05	29	39	31	43																		
12	02	23	30	58	29	52																		
12	04	23	28	76	28	56	28	50																
12	06	11	32	54																				
12	06	23	30	36																				
12	08	17	35	50	32	43																		
12	08	23	35	38	34	33	32	35	33	19	34	30												
12	09	17	27	33	30	28																		
12	10	11	31	33																				
12	10	17	31	33																				
12	10	23	29	27	29	30	30	28	33	27	29	18												
12	11	11	26	31	28	25																		
12	11	23	28	40	28	30	28	30	33	27	29	18												
12	12	23	25	49	26	50																		
12	14	23	22	87																				
12	15	05	21	110																				
12	15	11	24	82																				
12	15	23	25	45	25	39	24	40	25	22	27	15												
12	16	23	28	36	26	39	27	33	27	13														
12	17	05	28	37																				
12	17	17	30	25	29	39	30	35																
12	17	23	32	50	32	48	32	36																
12	19	23	28	66																				
12	26	11	25	62	23	83																		
12	26	23	28	90																				
12	27	11	29	89																				
12	27	23	29	119																				
12	28	11	34	73																				
12	29	11	31	49																				
12	29	17	32	63	31	64																		
12	29	23	31	60	32	56	31	48																
12	30	23	29	35	29	35	30	35	30	27														
12	31	05	27	45	26	37	28	28																
12	31	17	24	61	27	68																		

Results of Upper Wind Observations,
MAWSON 1961

MONTH	DAY	HOUR	SURFACE		1000 FEET		3000 FEET		5000 FEET		7000 FEET		10,000 FEET		15,000 FEET		20,000 FEET		25,000 FEET		30,000 FEET		35,000 FEET	
		GMT	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt
1	01	06	11	15	12	28	09	20	09	21	13	23												
1	01	11	00	00	05	03	09	13	11	27	14	29												
1	01	23	13	23	12	29	10	20	11	17	17	17	14	11	19	11	18	09	17	06	17	06	13	06
1	02	06	13	20	13	23	10	07	10	14	11	12	15	18	17	13	16	05	17	10	07	05	16	05
1	02	12	00	00	07	03	11	13	11	13	13	10	13	06	18	04	09	05	08	06	09	08	08	08
1	02	23	13	24	12	24	09	17	09	24	11	22	10	16	12	10	10	15	08	18	06	21	08	21
1	03	06	09	07	09	10	11	27																
1	03	12	10	18	10	16	07	16	09	12	09	30												
1	03	23	11	22	11	29	09	34	10	31	11	25												
1	04	06	09	14	10	21	09	29	11	29														
1	04	12	00	00	08	05	10	14																
1	04	23	13	17	11	10	08	11	12	08	11	13	11	17	09	15	07	20	05	26	03	29	05	13
1	05	06	00	00	00	00	11	05	16	03	10	11			08	12	08	17	05	27				
1	05	12	00	00	23	02	12	01	16	11	09	08	08	16	08	13								
1	05	23	13	19	09	13	05	06	07	07	11	10	10	13	11	05	05	22	04	36	03	22	35	10
1	06	06	00	00	06	05	08	12	10	14	15	08	13	06	08	08	06	10	05	26	06	42	04	19
1	06	12	00	00	00	00	09	09	13	06	14	12	14	07	08	04	08	09	13	14	12	26	12	41
1	06	23	13	23	11	20	10	04	13	10	15	09	16	10	10	07	04	15	03	23	32	13	27	14
1	07	06	12	26	12	32	09	28	10	22	14	16	16	19	14	05	08	11						
1	07	12	00	00	00	00	09	15	11	20	12	13	11	12	11	06	01	05	34	07	26	09	28	14
1	07	23	13	28	10	29	09	21	10	22	12	17												
1	08	06	09	19	09	21	09	23	11	22	11	21	09	14	10	05	26	12	27	19	28	19	22	07
1	08	12	07	10	07	13	09	19	11	30	09	11	07	15	07	06	31	12	30	24	29	24	30	10
1	08	23	13	22	11	26	09	16	10	17	12	20	12	20	05	08	02	12	36	18	34	31	30	05
1	09	06	11	23	10	18	08	21																
1	09	12	11	16	11	23	10	23																
1	09	23	13	22	11	29	09	25	09	21	10	24												
1	10	06	12	29	11	33																		
1	10	12	11	33	12	46	10	44	09	37	09	35	10	51										
1	10	23	13	46	13	55	11	54	10	58	10	35	11	29										
1	11	06	12	51	14	63	08	27																
1	11	12	13	31	13	32	12	28																
1	11	23	13	39	13	56	13	25	07	07	13	08	11	26	14	29	16	25	20	29	20	42	19	20
1	12	06	13	34	14	56	11	27	05	09	10	22	19	19	14	36	15	32	19	39	21	52		
1	12	12	12	31	13	33	09	20	09	18	12	21	15	30	14	22								
1	12	23	13	38	13	48	11	29	09	15														
1	13	06	13	39	12	34	09	28																
1	13	12	12	19	12	28	11	28	09	14	11	18												
1	13	23	13	31	13	37	11	25	10	16	09	10	16	22										
1	14	06	13	31	12	28	06	14																
1	14	12	11	17	12	19	09	14	13	05														
1	14	23	13	24	12	25	12	06	15	04	14	14	08	13	12	10								
1	15	06	13	20	12	21	10	03	13	09	10	18	11	08	05	10	06	09						
1	15	12	09	12	11	18	10	13	12	13	13	13	11	10	07	11								
1	15	23	13	19	11	10	07	03	11	09	11	15												
1	16	06	00	00	00	00	10	12	12	12	12	17	12	14										
1	16	12	00	00	24	03	28	03	27	08	27	08	28	10	30	16								
1	16	23	12	18	10	17	10	08	08	09	06	06	02	06	33	08	30	19	33	24	32	27	30	13
1	17	06	10	16	10	13																		
1	17	12	12	10	10	09	10	06																
1	17	23	12	09	11	13	11	09	11	08														
1	18	06	13	18	13	23	11	15	11	12														
1	18	12	00	00	08	06	11	15	13	09	13	13												
1	18	23	13	11	13	14	11	09	10	07														
1	19	06	12	19	11	24	09	18																
1	19	12	00	00	11	09	11	12																
1	19	23	13	21	10	11	08	03	09	04	15	05	14	11	15	13	13	05	17	04	28	08		
1	20	06	12	09	08	04	07	02																
1	20	12	00	00	27	01	12	06	11	07	14	10	17	07										
1	20	23	13	12	12	11	09	07	13	08	14	10	14	05										
1	21	06	13	17	11	22	08	09	14	11	14	08	17	05	15	10	23	14	24	16	25	17	24	21
1	21	12	00	00	28	02	12	04	12	08	14	05	15	10	20	10	23	16	23	20	23	15	25	15
1	21	23	14	14	13	10	17	03	31	07	27	09	27	14	18	06	22	10	22	17	23	13	23	22
1	22	06	11	09	10	10	14	02	33	02	30	14	30	03	25	05	23	08	20	17	22	25	23	22
1	22	12	06	07	07	09	12	04	05	03	02	05	27	08	25	13	24	20	23	22	23	25	24	24
1	22	23	14	17	13	23	09	12	00	00	17	09	21	06	20	08	24	24	24	18	24	27	24	26
1	23	06	13	23	12	24	10	11	12	04	13	12	14	14	22	15	24	26	24	28	24	33		
1	23	12	06	10	07	07	10	22	11	23	10	27												
1	23	23	13	33	12	37	09	19	10	24	10	19	11	27	26	10	26	20	27	23	27	18	28	17
1	24	06	13	31	12	37	09	29	09	24	11	16	13	09	18	17	22	25	23	36	25	57		
1	24	12	12	29	12	33	10	30	10	20	11	21	11	02	28	10	29	11	28	10	00	00	27	15
1	24	23	13	45	13	60	09	32	08	21														
1	25	06	13	43	13	46	09	29	09	31	09	24												
1	25	12	13	42	13	39																		
1	25	23	15	22	14	22	09	13	07	09														
1	26	06	13	21	09	09	07	12	07	06	13	06												
1	26	12	10	10	36	06	06	05	17	05														
1	26	23	13	23	12	19	03	04	15	05	16	02	00	00	26	02	28	12	26	07	27	13	26	17
1	27	06	13	17	11	12	09	01	12	05	23	02	11	03	18	02	22	10	23	19	23	30		
1	27	12	00	00	34	01	12	09	12	11	15	08	18	05	21	06	23	14	25	19	24	21	26	18
1	27	23	15	26	14	24	06	04	13	08	17	10	22	10	22	14	23	21	24	26	24	20	27	13
1	28	06	13	06	00	00	17	04	15	06	21	06	22	10	22	13	23	16	24	13	23	08		
1	28	12	24	03	25	06	32	03	16	06	25	07	29	03	26	21	25	23						
1	29	06	13	27	11	21	09	15	10	06	02	05	31	09	30	10	31	10						
1	29	12	11	22	11	23	09	24	10	04	06	03	31	11										
1	29	01	13	28	11	10	08	14	08	05														

Results of Upper Wind Observations,
MAWSON 1961

MONTH	DAY	HOUR	SURFACE		1000 FEET		3000 FEET		5000 FEET		7000 FEET		10,000 FEET		15,000 FEET		20,000 FEET		25,000 FEET		30,000 FEET		35,000 FEET	
		GMT	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt
1	30	06	11	17	12	20	07	12	10	09														
1	30	12	13	12	12	13	10	08	14	07	17	08												
1	30	23	15	31	14	28	07	07	17	04	17	15	20	21	22	18	23	25	23	45	23	49	22	37
1	30	01	13	25	12	30	10	26	10	20	14	15	21	14										
1	31	06	13	25	12	22	07	05	09	14	13	16	16	23	27	07	26	17						
1	31	12	07	05	11	17	12	20	12	25														
1	31	23	13	33	13	45	11	39	10	33														
2	01	06	13	25	12	24	10	10	11	07														
2	01	12	32	05	33	04	15	04	18	08	19	16	18	26										
2	01	23	15	30	14	27	12	11	19	07	19	16	22	15	23	25	23	47	23	60	23	43	23	45
2	02	06	24	10	25	12	11	12	16	09	18	19	21	13	23	32	23	52	23	75	23	92		
2	02	12	24	05	25	07	12	08	15	07	22	18	26	22	25	40	24	60						
2	02	23	13	19	11	17	20	03	20	07	24	15	22	28	25	39	29	28	25	47	25	43	26	33
2	03	06	00	00	19	05	12	08	15	08	24	12	26	33										
2	03	12	24	06	25	07	12	10	14	23	19	19	23	32	24	41	23	41	24	58	24	106		
2	03	23	15	21	13	16	08	11	18	07	22	18	24	27	25	39	25	50	25	68				
2	04	06	14	22	12	18	15	02	18	12	23	10	24	22										
2	04	12	27	05	22	03	13	13	13	22	10	19	22	23	24	36	25	52	26	58	26	66	26	68
2	04	23	16	22	12	24	09	17	17	16	14	16	18	07	24	20								
2	05	06	14	17	09	15	08	14	09	19	14	16	20	10	20	13	23	23	24	33	25	41		
2	05	12	12	22																				
2	05	23	13	36	14	55	10	26	06	09														
2	06	06	13	34	13	44	08	16	08	18														
2	06	12	13	39	13	42	10	37	09	39	09	19												
2	06	23	13	42																				
2	07	06	12	35	13	46	10	39	08	33														
2	07	12	13	35	13	50	10	37	09	25														
2	07	23	13	25	13	31	08	22	09	17	14	13	12	20										
2	08	06	13	19	12	26	09	22	09	16														
2	08	12	11	17	12	20																		
2	08	23	13	25	11	23	07	14	07	11														
2	09	06	13	19																				
2	09	12	00	00	08	03	13	10	13	15														
2	09	23	13	25	13	37	11	17	15	11	18	15	24	14	28	07	32	15	32	19	24	01	26	04
2	10	06	12	20	14	24	10	17	09	06	15	05	22	11	24	06	32	09						
2	10	12	11	15	10	16	08	15	09	15														
2	10	23	13	18	12	22	10	06																
2	11	06	13	20	13	10	23	06	17	04	15	02			31	20	30	11	30	09	29	09	32	15
2	11	12	00	00	10	06	10	11																
2	11	23	13	14	11	09	12	01																
2	12	06	13	14	09	06	14	01																
2	12	12	04	01	06	06	13	06	09	01														
2	12	23	13	15	11	13	11	04	12	07	12	06												
2	13	06	11	16	11	14	12	03																
2	13	12	10	02	10	10	10	12	12	15	11	15												
2	13	23	13	23	11	27	08	06	09	05														
2	14	06	13	23	11	30	13	12	09	22	12	14	10	19	07	08	02	03	06	05				
2	14	12	12	25	10	23	10	22	09	23														
2	14	23	11	26	11	34	09	42	09	38														
2	15	06	13	38																				
2	15	12	11	47																				
2	15	23	13	40																				
2	16	06	13	54																				
2	16	12	13	54	12	27																		
2	16	23	13	44																				
2	17	06	13	48	12	45	04	35	10	44														
2	17	12	13	50	13	68	11	57	10	54	09	42	10	63										
2	17	23	13	52																				
2	18	06	13	64																				
2	18	12	13	65																				
2	18	23	13	52																				
2	19	06	13	50	14	45	11	33	09	20	09	22												
2	19	12	13	50	14	60	11	49	10	37														
2	19	23	13	45																				
2	20	06	13	50	13	63	11	54	08	29	10	26	11	28										
2	20	12	15	52	15	75	12	55	10	35	10	32												
2	20	23	13	48																				
2	21	06	11	33																				
2	21	12	13	36	13	48	11	52																
2	21	23	11	25	12	34	09	25	09	25	10	23	11	20										
2	22	06	08	28																				
2	22	12	10	23	10	25	10	26	10	30	10	27												
2	22	23	11	31	11	30	10	50	09	28	10	27	10	32										
2	23	06	11	31	11	28	09	32	09	19	10	16												
2	23	12	11	20	11	23	10	22	12	14														
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2	24	06	11	21	09	16	12	04	36	02	27	04	13	05	10	03	05	06	06	06	01	02	00	00
2	24	12	04	05			11	11	15	08	17	04	16	04	36	03	05	04	30	02	26	06		
2	24	23	11	22	09	12	06	11	12	10	11	05	16	06	17	03	15	02	22	23	24	09	28	08
2	25	06	12	21	10	18	08	09	12	08	11	10	15	04	15	04	20	02	22	16	23	14	28	10
2	25	12	09	09	07	07	13	07	12	12	11	11	12	06	09	04	24	03	24	15	28	10	29	14
2	25	23	11	22	11	27	10	40	10	39	11	28	10	22	07	24	04	11	32	19	33	29	33	18

Results of Upper Wind Observations,
MAWSON 1961

MONTH	DAY	HOUR	SURFACE		1000 FEET		3000 FEET		5000 FEET		7000 FEET		10,000 FEET		15,000 FEET		20,000 FEET		25,000 FEET		30,000 FEET		35,000 FEET	
		GMT	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt
2	26	06	12	40	11	40	09	33																
2	26	12	13	43	11	32	09	22																
2	26	23	11	52																				
2	27	06	13	40																				
2	27	12	12	38																				
2	27	23	13	48																				
2	28	06	12	34	12	36	08	25																
2	28	12	13	24	11	27	09	19	11	13														
2	28	23	13	32	10	21	10	16	14	10	11	10	12	07	05	08	08	25	08	47	09	48	08	15
3	01	06	13	30	12	29	08	12	16	08	11	05	15	05	10	05	09	25	09	30	11	43	09	20
3	01	12	13	22	11	23	10	18																
3	02	06	13	34	13	09	11	02																
3	02	12	13	30	11	22	08	21	10	10														
3	02	23	13	42	12	31	10	21	11	17														
3	02	01	13	36	13	22	10	07																
3	03	06	16	40	14	40	11	12	10	12	12	07												
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3	04	06	13	28	13	26	06	10	17	09	19	04	25	02	18	06	24	13	23	24	22	33	23	15
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3	05	06	13	17	10	03	30	04																
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3	05	01	15	28	12	12	18	04																
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3	13	06	13	34	10	09																		
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3	14	12	13	11	11	06	15	04	13	08														
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3	16	23	12	55																				
3	17	06																						
3	17	12	13	52																				
3	17	23	11	60																				
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3	18	12	11	52																				
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3	24	12	13	22	13	12	02	05																
3	24	23	15	24	15	29	10	11	13	06														

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MONTH	DAY	HOUR	SURFACE		1000 FEET		3000 FEET		5000 FEET		7000 FEET		10,000 FEET		15,000 FEET		20,000 FEET		25,000 FEET		30,000 FEET		35,000 FEET	
		GMT	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt
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3	27	23																						
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3	30	06																						
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4	13	06	12	36	12	47	08	37	09	13	11	14	08	08	33	14								
4	13	12	13	20	12	25	06	05																
4	13	23	14	26																				
4	14	06	13	27	09	06																		
4	14	12	13	22	09	09	05	04																
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4	16	12	13	22	11	22	11	02	16	10	22	09	09	07	12	09	13	08	09	11	33	05	19	05
4	16	23	13	23	12	23	10	12	13	08	08	08	06	13	04	07	02	06	35	08	30	06		
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4	18	12	13	25	12	14	07	04	04	06														
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4	20	12	15	17	14	19	24	04	24	10	25	17	25	23	26	11	31	11						
4	20	23	14	18	13	36	10	16	09	06	14	14	20	12										

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MONTH	DAY	HOUR	SURFACE		1000 FEET		3000 FEET		5000 FEET		7000 FEET		10,000 FEET		15,000 FEET		20,000 FEET		25,000 FEET		30,000 FEET		35,000 FEET	
		GMT	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt
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4	21	23	16	32	12	21	12	08	18	06	21	15	23	32										
4	22	06	14	31	12	39	06	20	09	03	06	03	27	17	27	28	25	44						
4	22	12	14	28	10	24	08	09	05	5	28	09												
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4	23	06	03	11			11	40																
4	23	12	10	06	12	11	11	25	14	24	13	05												
4	23	23	13	06			10	09	10	10	10	05												
4	24	06	12	04	12	05	06	03	07	04	11	05	13	02	29	07	28	14	28	20	27	29	27	36
4	24	12	11	12	07	14	08	09	10	01	23	02	24	06	27	11	28	26	27	40				
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4	25	12	13	30	12	30	09	20	13	24	10	11	16	05	17	08	26	07	30	28	30	31	30	21
4	25	01	13	27	12	43	10	33	09	20	11	17	22	02										
4	26	06	15	20	13	21	08	14	15	11	14	11	18	11	22	19	21	29	22	38	22	50	23	41
4	26	12	13	16	12	20	09	09																
4	26	23	13	23	13	30	09	08	11	9	14	08	28	01	29	13	27	25						
4	26	01	13	27	12	30	12	13	12	10	18	13	19	15	21	20								
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5	02	23																						
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5	05	06	13	13	11	04	30	01																
5	05	12	13	26	02	17	07	11	07	08														
5	05	23																						
5	06	06																						
5	06	12	13	21	14	11																		
5	07	06																						
5	07	12	15	28	14	21																		
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5	09	12	22	19	22	15	16	19	14	27	15	14												
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5	17	23	09	22	11	32	12	25	12	20	18	21												

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MONTH	DAY	HOUR	SURFACE		1000 FEET		3000 FEET		5000 FEET		7000 FEET		10,000 FEET		15,000 FEET		20,000 FEET		25,000 FEET		30,000 FEET		35,000 FEET	
		GMT	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt
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5	29	06	13	31	10	16																		
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5	29	23	12	36	12	43	09	33																
5	30	06																						
5	30	12	12	48																				
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5	31	06	12	28	12	30	09	21																
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5	31	23	14	17			09	13	12	11														
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6	03	23																						
6	03	01	15	16	15	11	14	09	13	13														
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6	06	23	13	26	11	18	09	25	14	21	13	08	07	16										
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6	10	12	12	22	12	31	08	23																
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6	12	23	13	42																				
6	13	06	12	51																				
6	13	12	13	54																				
6	13	23	13	50																				

Results of Upper Wind Observations,
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MONTH	DAY	HOUR	SURFACE		1000 FEET		3000 FEET		5000 FEET		7000 FEET		10,000 FEET		15,000 FEET		20,000 FEET		25,000 FEET		30,000 FEET		35,000 FEET	
		GMT	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt
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6	14	12	13	32																				
6	14	23	16	19																				
6	15	06	16	26																				
6	15	12	13	48																				
6	15	23	15	18	17	34	17	08	16	16	16	14	18	25										
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6	20	06	13	52																				
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6	30	06	12	35																				
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6	30	23																						
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7	01	12	13	25	13	31	12	25	09	26														
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7	02	12	16	29	15	36	10	23	12	14	19	12	14	29	18	13								
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7	03	06	16	26	14	32	11	19	11	19			13	21										
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7	07	23	13	25																				
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7	10	12	11	20	10	32	09	28	09	23														
7	10	23	11	30	12	61																		

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MONTH	DAY	HOUR	SURFACE		1000 FEET		3000 FEET		5000 FEET		7000 FEET		10,000 FEET		15,000 FEET		20,000 FEET		25,000 FEET		30,000 FEET		35,000 FEET	
		GMT	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt
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7	13	12	13	24																				
7	13	23	12	32	12	53	07	23	14	10														
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7	14	23	13	32	13	67	07	22																
7	15	06	13	28	13	42	09	09	11	04														
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7	17	01	13	21	11	16	09	04	29	04	29	07												
7	18	06	12	33	13	45	10	27	09	16														
7	18	12	15	24	15	28	10	05	07	11														
7	18	23	13	15			05	12	10	10	15	09	30	03	03	10								
7	19	06	13	23	11	25	10	06	08	04	07	08	34	11	29	09								
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7	19	23	13	27	12	36	09	20	12	13														
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7	25	23	13	31																				
7	26	06	13	25			06	18																
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7	28	06	12	18	11	41	10	33	12	35	13	36	15	28	14	19	18	17	20	19	21	25	24	37
7	28	12	13	19	12	20	11	22	14	25	14	26	15	23										
7	29	06	18	08	18	04	17	19	13	23	14	20	18	31	18	34	21	44						
7	29	12	15	21	13	17	09	09	14	25														
7	29	23	15	19	12	29	07	12	11	17														
7	29	01	20	08	24	09	17	21	13	28	15	14	18	28										
7	30	06	15	06			13	05	07	06	05	08	08	08	29	08	24	20	25	26	25	42	25	43
7	30	12	00	00	17	05	08	09	11	19	30	02	07	07	19	06	24	07						
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7	31	12	13	27	12	27	06	12	11	15	12	15	11	15										
7	31	23	12	36	13	47																		
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8	01	23	14	43																				
8	02	06	13	61																				
8	02	12	13	53	14	71	10	45	09	36														
8	02	23	14	44	14	55	12	51	11	29														
8	03	06	13	51	13	54	08	27	09	33														
8	03	12	13	38	14	73																		
8	03	23	12	40																				
8	04	06																						
8	04	12																						
8	04	23	12	46																				
8	05	06																						
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8	05	23	12	19	11	37	08	19	14	11	12	12	05	10										
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8	06	12	12	23	12	22	10	24	13	24	08	11												
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8	07	23	13	20	11	21	10	27	16	16														
8	08	06	09	17	09	20	10	18																
8	08	12	19	08	20	02	12	14	16	12	21	15	22	11	24	09	28	09	28	10				

Results of Upper Wind Observations,
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MONTH	DAY	HOUR	SURFACE		1000 FEET		3000 FEET		5000 FEET		7000 FEET		10,000 FEET		15,000 FEET		20,000 FEET		25,000 FEET		30,000 FEET		35,000 FEET	
		GMT	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt
8	09	06	18	02			26	07	26	09	28	15	28	14	30	20	28	28	27	41	27	39		
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8	10	06																						
8	10	12	13	32																				
8	10	23	14	23	15	27																		
8	11	06	12	04	04	02	18	03	11	18	20	25	23	30	22	48	23	78	24	82	24	82		
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8	12	06																						
8	12	12																						
8	12	23	15	52																				
8	13	06																						
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8	14	23	15	24	14	19	23	03	24	15	20	04	29	10										
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8	24	12	15	21	13	19	08	11	12	23	13	25	20	07	19	19	21	25	24	28	26	31	28	50
8	25	06	13	29	12	33	08	16	10	16	10	16	08	10										
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8	25	23	12	40																				
8	25	01	16	26	14	27																		
8	26	06	12	60																				
8	26	12	12	61																				
8	26	23	12	46																				
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8	29	06																						
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8	30	23	13	20	09	06	13	05	12	13	07	06	11	06										
8	31	06	00	00	08	02	13	09	10	09	06	11	02	03										
8	31	12	17	03	19	01	13	08	04	07	33	05	34	05	25	17	24	28	24	44	24	79		
8	31	23	13	16	12	15	09	15	13	17	12	06	08	07	32	04	27	13	25	24	25	26	25	49
9	01	06	13	28	13	42	10	18	10	24	14	21												
9	01	12	27	01	14	07	08	16	10	24	11	25	09	25	07	25								
9	02	06	13	36	13	29	08	29	08	25	12	27	08	29	07	33								
9	02	12	13	44	14	50	09	34	09	35	08	28	08	37										
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9	03	06	12	33	13	40	09	38	09	42	10	54	11	30	11	36								
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9	04	12	13	24	14	28	11	06	08	07	17	09												
9	04	23	13	21	12	39	11	33	11	31	21	12												

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MONTH	DAY	HOUR	SURFACE		1000 FEET		3000 FEET		5000 FEET		7000 FEET		10,000 FEET		15,000 FEET		20,000 FEET		25,000 FEET		30,000 FEET		35,000 FEET	
		GMT	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt
9	05	06	13	24	12	32	10	53																
9	05	12	05	05	09	05	13	07	09	10														
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9	06	12	00	00	19	01	13	04	13	16	20	02	04	03	24	09	26	25	26	20	25	26	23	35
9	06	23	13	15	11	24	12	04	31	04	24	06	22	03										
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9	07	12	13	20	11	17	06	12	12	12	18	08	17	10	18	14	19	10	21	17	21	37	21	47
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9	18	23	12	17	12	32	10	27	10	22	10	28												
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9	21	12	12	19	08	09	00	00	27	11														
9	22	06	13	25	14	13	35	05																
9	22	12	13	19	11	08	00	00																
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9	24	12	12	11	11	18	08	09	17	12	16	19	22	06	25	14	24	19	23	31	23	49		
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9	27	06	09	04	06	05	08	02																
9	27	12	00	00									35	04	34	15	32	28						
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9	28	06																						
9	28	12																						
9	28	23	13	42																				
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0	01	12	11	31	11	33	07	27																
0	01	23	11	45																				
0	02	06																						
0	02	12	11	42																				
0	02	23	12	30	12	11	08	06	08	04														

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MONTH	DAY	HOUR	SURFACE		1000 FEET		3000 FEET		5000 FEET		7000 FEET		10,000 FEET		15,000 FEET		20,000 FEET		25,000 FEET		30,000 FEET		35,000 FEET	
		GMT	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt
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0	03	23	15	18	17	11	28	06	27	10	24	14	23	13	22	18	23	17	24	15	24	19	23	26
0	04	06	14	23	14	10	28	04																
0	04	12	11	19	11	15	12	11	17	10	22	08	22	17	23	14	22	14	22	29	22	63	22	65
0	04	23	33	11	33	08	13	17	13	25														
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0	05	23	00	00																				
0	06	06	13	16	14	06																		
0	06	12	09	17																				
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0	10	12	23	06	19	02	13	13	19	18	24	19	23	32	25	30	24	36	23	44	24	43		
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0	13	23	09	02	11	04			27	13	24	22	24	33	25	30	25	38	25	31	27	27	28	34
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0	20	06	11	46																				
0	20	12																						
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0	23	12	24	06	23	04	00	00	13	14	13	14	14	13	14	20	15	23	13	24	13	23		
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0	30	23	12	27	13	60																		
0	31	06	13	35																				
0	31	12	08	22																				
0	31	23	11	32																				

Results of Upper Wind Observations,
MAWSON 1961

MONTH	DAY	HOUR	SURFACE		1000 FEET		3000 FEET		5000 FEET		7000 FEET		10,000 FEET		15,000 FEET		20,000 FEET		25,000 FEET		30,000 FEET		35,000 FEET	
		GMT	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt
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11	16	12	27	06	26	04	14	11	15	17	21	19	22	25	23	43	23	65	23	73	24	87	24	74
11	16	23	02	05	10	03	29	09	27	11	27	21	25	34										
11	17	06	36	04	36	03	26	10	24	13	25	20	26	39										
11	17	12	25	08	10	03	10	16	11	18	20	07	25	19										
11	17	23	11	12	12	16																		
11	18	06	10	16	11	10	08	06	18	08	21	10	26	20	27	25	29	29	30	49	30	57		
11	18	12	32	08	33	06	26	10	24	12	23	12												
11	18	23	15	05	15	07	21	12	13	14	18	18	21	34	22	46	23	48	23	92	23	115		
11	19	06	34	09	02	04			17	17	17	07	21	16	21	51	24	81	23	83				
11	19	12	20	04	20	01	31	06	18	07	19	11	23	27	25	39	25	47	26	57	26	64	27	93
11	19	23	12	20	12	16	07	06	10	09	35	02	28	17	31	21	33	33						
11	20	06	10	16	10	18	07	13	11	07	06	10												
11	20	12	10	17	10	21	08	19	10	17														
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11	21	06	10	14	08	10	12	07	12	11	20	06	21	14	26	12	27	14	29	22	29	44	29	41
11	21	12	27	05	27	03	10	07	08	12	18	05	21	11	27	11	29	15	28	45	30	66		
11	21	23	12	28	12	27	09	14	11	17	17	19	13	16	15	07	26	20	28	39	29	53	31	52
11	22	06	10	18	11	22	09	22	13	22	14	22	12	18	15	11	27	19	26	30	29	34	31	45
11	22	12	08	05	09	04	12	20	12	30	12	20	12	15	12	16								
11	22	23	10	25	13	42	09	22	09	26	18	13	14	14	14	08	16	12	22	05	21	17	26	12
11	23	06	12	25	12	28	09	11	12	10	16	15	13	16	14	09	17	09	22	10	20	36	21	17
11	23	12	11	25	13	30	10	14	12	11	16	16	14	12	18	10	20	11	21	25	20	21	23	18
11	23	23	13	25	15	44	11	10	10	04	15	04	16	19	19	17	20	16	21	23	23	24	24	13
11	24	06	12	24	13	31	10	14	13	08	15	20	12	12										
11	24	12	11	27	13	36	10	22	14	09	16	16												
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11	25	06	13	17	13	23	10	20	13	11	17	16	17	13	18	23	19	39	19	35	20	43	21	36
11	25	12	26	10	27	09	13	09	13	25	16	21	19	29	19	44	21	29	22	35	21	40	23	37
11	25	23	13	23	14	16	24	05	25	05	24	05	20	23	22	23	24	22	23	26	23	31	23	26
11	26	06	15	17	16	23	20	13	17	11	16	08	21	17	23	21	24	19	25	20	24	27		
11	26	12	23	10	25	08	17	11	13	17	15	11	22	28	24	19	23	23	25	24	23	49	23	35
11	26	23	14	26	14	40	08	05	30	03	20	09	20	20	23	30	23	41	25	40	24	38	25	20
11	27	06	12	23	10	19	12	06	18	09	15	05	25	14	27	16	27	23	28	29	28	25		
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11	27	23	13	24	12	24	10	07	11	08	15	10	15	05	15	08	11	01	35	11	36	22	32	13
11	28	06	11	16	12	14	08	07	09	10														
11	28	12	03	08	05	09	11	16	12	12	13	07												
11	28	23	12	24	11	30	06	13	09	13	11	15												

Results of Upper Wind Observations,
MAWSON 1961

MONTH	DAY	HOUR	SURFACE		1000 FEET		3000 FEET		5000 FEET		7000 FEET		10,000 FEET		15,000 FEET		20,000 FEET		25,000 FEET		30,000 FEET		35,000 FEET	
		GMT	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt
11	29	06	10	18	11	21	08	12	10	09	10	15	10	24										
11	29	12	06	15	07	15	10	17																
11	29	23	1	17	11	34	09	25	10	23	11	11												
11	30	06	09	23	10	23	05	30	09	08	11	11												
11	30	12	09	17	11	19	10	17	10	14	14	15												
11	30	23	12	24	12	25	04	04	08	07	12	11	16	08	24	06								
12	01	06	11	11	09	06	13	01	08	04	12	06	20	07	22	06	29	04	30	06	27	12	30	13
12	01	12	06	06	07	04	14	05	13	01	27	03	29	21	30	08	32	08	27	21	29	19		
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12	02	06	10	20	11	25	08	08	14	15	11	07	23	03	24	13	26	15	35	10	02	15	01	21
12	02	12	09	12	10	11	11	14	12	18	17	11	23	09	23	13	25	22	31	07	02	15	34	12
12	02	23	12	25	11	25	08	08	14	05	11	07	23	03	24	13	26	15	35	10	02	15	01	21
12	03	06	10	20	12	23	09	16	09	22	11	20	04	07	36	10	34	19	32	27	32	36	31	35
12	03	12	09	17	10	18	10	21	09	20	08	10												
12	03	23	12	40	13	79																		
12	04	06																						
12	04	12																						
12	04	23	11	36	12	54																		
12	05	06	11	34	12	34	09	30																
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12	05	23																						
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12	06	12	11	34	12	45	09	34	06	16														
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12	07	06	11	26	12	35	08	16																
12	07	12	11	21	11	26	10	15	14	07														
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12	08	06	28	03	28	10	13	10	14	11	22	09	27	11	23	10	20	12	20	19	19	17	19	06
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12	09	06	09	14	08	09	06	05	02	10														
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12	11	06	12	26	13	40	08	10	06	17	05	04												
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12	12	06	10	12	11	14	10	18																
12	12	12	24	09	23	04	14	06	14	06	13	05	35	04	03	03	18	09	22	04	29	05	30	10
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12	13	06	07	04	07	04	12	04	07	07	03	05	35	04										
12	13	12	06	08	05	04	09	11	08	12	08	11	03	07	34	07	30	06	29	12	29	42	30	30
12	13	23	11	15	12	25	06	12	11	14	14	16	17	10										
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12	14	12	24	06	26	05	27	04	20	04	15	05	18	03	24	14	25	20	26	28	27	36	28	39
12	14	23	12	22	09	15	08	07	15	12	21	01	25	07										
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12	15	23	12	17	12	20	12	11	09	18	11	10												
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12	16	12	10	13	11	14	13	12	14	05	14	07												
12	16	23	12	29			11	18	13	03	17	10	15	12	18	04	21	10	23	13	24	17	24	20
12	17	06	12	21	13	20	10	21	15	06	13	13	11	05	17	09	24	04	24	07	25	16	24	27
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12	17	23	12	17	14	40	08	14	16	06														
12	18	06	12	22	13	17	08	09	14	05	14	12	23	03	22	19	23	24	23	37	23	68	24	45
12	18	12	10	13					17	04	19	08	23	11	23	23	20	40	24	66	24	60	24	47
12	18	23	13	23	15	30	27	03	22	08	21	06	26	12	25	20	26	32	26	34	26	31	26	46
12	19	06	09	15	11	11	12	06	14	10	24	05	26	10	26	20	25	26	27	29	27	33	26	45
12	19	12	00	00			10	04	12	07	27	08	27	09	27	20	27	24	27	27	27	50	27	51
12	19	23	12	26	13	26	11	30	09	17	13	14	19	05	23	17	25	19	26	28	26	35	27	36
12	20	06	11	21	13	30	09	22	12	15	15	17	19	15	23	21	25	31	25	31	26	34	26	34
12	20	12	07	07	09	08	11	11	13	15														
12	20	23	14	21	13	24	04	03	17	07	20	07	21	09	24	20	25	37	25	44	26	46	24	32
12	21	06	11	12	11	07	19	03	13	09	21	03	10	05	22	11	24	25	25	35	26	37	26	36
12	21	12	24	03	25	03	13	11	12	07	14	08	13	07	20	12	26	34	26	32	25	29	26	26
12	21	23	14	18	13	28	15	04	15	08	15	08	19	09	21	15	20	28	20	35	22	23	22	32
12	22	06	12	19	13	22	11	12	12	07	16	10	15	22	22	10	21	23	21	40	21	47	21	49
12	22	12	09	10	11	09	12	13	13	13	15	14	16	15	17	13	21	26	21	43	22	41	22	46
12	22	23	15	29	15	29	13	10	16	05	16	07	20	20	20	34	21	50	21	70	22	52	21	62
12	23	06	14	16	14	19	18	02	22	04	15	15	19	24	21	40	22	62	22	66	23	71	22	60
12	23	12	27	08	27	06	25	06	19	09	20	18	24	14	22	39	25	88	23	86	24	100		
12	23	23	14	24	13	19	26	03	18	07	20	09	23	23	24	28	23	37	24	65	24	92	24	55
12	24	06	12	17	13	17	11	09	17	09	20	07	24	13	24	32	25	47	25	71	25	94	25	92
12	24	12	11	14	13	17	14	04	20	06	20	10	23	08	23	32	25	69	25	77	25	82	25	77
12	24	23	13	29																				

Results of Upper Wind Observations,
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MONTH	DAY	HOUR	SURFACE		1000 FEET		3000 FEET		5000 FEET		7000 FEET		10,000 FEET		15,000 FEET		20,000 FEET		25,000 FEET		30,000 FEET		35,000 FEET	
		GMT	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt
12	25	06	13	22	12	26	08	30	11	32	14	20	08	07	22	14	24	39	24	40	24	41		
12	25	12	10	18	11	28	10	32	10	24	12	20	16	05										
12	25	23	13	24	13	42	10	23	10	07	14	10	12	26	16	20	20	40	21	40	25	29	29	20
12	26	06	11	21	13	37	11	25	09	20	12	19	13	22	13	19								
12	26	12	11	25	11	25	10	19	09	20	14	13	14	25	14	17	19	28	20	37	21	31	22	20
12	26	23	11	28	13	42	09	26	11	20	12	22	12	22	12	12	18	18	19	25	20	29	18	29
12	27	06	11	25	13	26	10	12	06	06	11	15	13	13	15	10	19	14	21	28	22	19	25	17
12	27	12	09	15	10	20	11	20	10	18	13	12												
12	27	23	13	19	13	30	14	06	15	06	28	04												
12	28	06	13	18	13	22	17	05	00	00	23	05	14	07	17	02	32	04	32	11	30	15	27	14
12	28	12	09	12	10	14	11	15	12	17	13	17	13	20										
12	28	23	15	25	14	44	09	16	11	09	15	09	15	17	17	07	19	05	16	05	24	05	24	11
12	29	06	13	22	13	31	08	12	07	10	14	08	13	12	15	07	17	07	19	06	19	11	23	09
12	29	12	10	15	11	16	10	17	10	13														
12	29	23	13	24			03	05	08	07	13	12	14	07										
12	30	06	11	19	12	17	07	02	13	06	11	10	14	07										
12	30	12	05	10	06	10	09	13																
12	30	23	10	25	10	40	08	29	09	20														
12	31	06	10	31	12	36	09	20																
12	31	12	08	20	09	18	09	20																
12	31	23	12	28	13	58	09	32	09	21	09	17												

Results of Upper Wind Observations,
MAWSON 1961

MONTH	DAY	HOUR	40,000 FEET		45,000 FEET		50,000 FEET		55,000 FEET		60,000 FEET		65,000 FEET		70,000 FEET		75,000 FEET		80,000 FEET		85,000 FEET		90,000 FEET	
		GMT	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt
1	01	23	09	09	08	06	09	10	07	07	05	05												
1	02	06	14	05	09	07																		
1	02	12	09	07	06	10	06	08	01	08	07	09												
1	02	23	08	10	06	13	03	10	03	08	04	10												
1	05	23	34	09	32	07																		
1	06	06	35	10																				
1	06	12	12	41																				
1	06	23	26	09	26	09	31	04	36	10														
1	08	06	35	05	35	05	03	06																
1	08	12	31	05	36	05	31	06																
1	08	23	35	05	11	03	29	06	04	5														
1	11	23	17	09	15	08	14	06	15	08	17	07												
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1	21	12	25	14	26	10	23	05																
1	21	23	23	17	23	13	24	08	26	08														
1	22	06	24	14	24	12	23	09	23	06	27	10												
1	22	12	26	20	24	18	24	09	24	08														
1	22	23	24	23	25	17	24	13	24	13	24	07												
1	23	23	27	14	26	16	30	08	24	08	30	08												
1	24	12	27	12																				
1	26	23	27	17	27	20	27	17	27	10	25	10												
1	27	12	27	20	27	20	27	17																
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1	30	23	21	45																				
2	01	23	24	35	23	30	23	30	21	13														
2	02	23	26	27	24	28	26	16	23	12	24	1												
2	04	12	27	54	26	30	26	16	25	13	25	00												
2	09	23	18	01																				
2	23	23	35	03																				
2	24	06	30	04																				
2	24	23	32	05	29	11	30	09	34	05	33	07												
2	25	06	29	10	30	10	30	09	31	10	32	12												
2	25	12	29	07																				
2	25	23	33	20	31	21	31	11	30	09	31	13												
2	28	23	07	05	05	05																		
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3	08	23	25	13	28	13	29	17	29	14	29	12												
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3	09	12	26	14	26	15	27	17																
3	10	06	26	20	27	20	28	19	27	20	27	16												
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3	10	23	28	19	29	15	29	19	28	20														
3	11	06	27	19	28	15																		
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3	15	06	25	50	26	50	25	36	26	42	26	39												
3	15	12	26	55	26	50	26	41	26	33	27	35												
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3	24	06	26	09	24	12	27	17																
3	27	06	29	19																				
3	28	06	32	25	33	21	32	20	31	21	32	19												
3	28	12	33	23	32	29	32	24	31	27														
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4	17	06	24	22	24	22	24	19																
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4	24	06	27	37	28	36	29	44	29	40	28	42												
4	25	06	31	28	31	25																		
4	25	12	30	13																				
4	26	06	25	28	28	19	30	31	31	23	31	33												
4	29	06	31	06	28	18	27	19	27	22	27	23												
4	29	12	28	22																				

Results of Upper Wind Observations, MAWSON 1961

MONTH	DAY	HOUR	40,000 FEET		45,000 FEET		50,000 FEET		55,000 FEET		60,000 FEET		65,000 FEET		70,000 FEET		75,000 FEET		80,000 FEET		85,000 FEET		90,000 FEET	
		GMT	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt
5	01	06	25	29																				
5	12	06	23	14	23	13	23	15	24	22	24	30												
5	17	06	24	26																				
5	18	06	26	35	26	33	26	37																
5	19	06	24	40	24	42	25	50																
6	11	06	29	11	28	20	29	32	29	34	28	45												
6	26	06	28	31	26	26	26	22	26	30	28	36												
7	02	06	19	12	24	14	24	17																
7	10	06	01	18	34	13	30	16	30	16	31	20												
7	27	06	24	21	24	40	25	45	24	66	24	50												
7	28	06	24	50																				
7	31	06	27	24	27	23	27	27	28	45														
8	07	06	27	41	28	48	28	55	38	64														
8	15	12	23	42																				
8	17	06	26	27	26	19	27	28	28	23	27	54												
8	19	05	26	27	25	37	26	39																
8	19	12	25	37	24	38	26	41	25	60	25	127												
8	20	06	26	37	26	40	27	39																
8	21	06	27	13	28	21	27	18	26	26	25	37												
8	21	12	27	14	26	25	25	30																
8	22	12	27	41	27	31	26	52																
8	23	12	28	36	28	43	28	54																
8	24	06	28	33	29	32	31	28	29	42	30	38												
8	24	12	30	31	30	35																		
9	06	06	23	44	23	39	25	37	24	41	25	44												
9	06	12	23	32	24	37	24	39																
9	07	06	22	55	22	58	22	75																
9	07	12	22	57	22	70	23	90																
9	08	06	22	59	23	60	24	84																
9	08	12	22	72	24	61	24	70	24	67														
9	10	01	11	27																				
9	10	06	14	11	13	15	33	12	34	25	32	40												
9	10	12	12	19	31	03	31	24	31	33	30	29												
9	12	12	24	12	23	18	27	19	27	22	29	37												
9	18	06	20	13	22	12	27	13	28	18	29	26												
9	18	12	22	14	23	11	23	12	28	20	28	28												
9	20	12	25	21	26	31	27	33	26	44	27	51												
9	23	06	24	19	25	20	26	28	25	28	26	25												
9	23	12	24	24																				
9	24	06	23	34	24	26	23	32	24	38	24	38												
9	30	12	25	35																				
0	03	23	22	32	23	37	23	46																
0	04	12	22	60																				
0	06	23	28	42	28	62	28	72	28	67	29	48												
0	07	06	29	38	28	40	28	50	29	47														
0	07	23	29	26	27	27	27	35																
0	08	06	28	33																				
0	08	12	28	39	28	48																		
0	08	23	29	39	28	40	27	38	27	52														
0	09	23	27	33	27	36																		
0	10	06	27	33	27	42	26	51	26	50	26	55												
0	12	23	28	26	29	39	29	64																
0	13	06	28	19																				
0	13	12	27	29	29	31	29	36	29	54	29	60												
0	13	23	30	27	30	30	29	38	30	51														
0	23	06	14	22	17	18	23	25	23	15														
0	23	23	23	77	23	76	24	72	25	80														
0	24	23	23	59																				
0	27	06	27	51	27	52																		
0	27	12	27	49	27	53	27	53																
0	27	23	26	44	26	39																		
0	28	06	27	36	27	43	27	48	27	46	27	58												
0	28	12	27	37	27	40	28	42	27	52														
0	28	23	24	30	28	36	26	25																
0	29	06	25	19	24	26																		
0	29	23	20	27																				

Results of Upper Wind Observations,
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MONTH	DAY	HOUR	40,000 FEET		45,000 FEET		50,000 FEET		55,000 FEET		60,000 FEET		65,000 FEET		70,000 FEET		75,000 FEET		80,000 FEET		85,000 FEET		90,000 FEET	
		GMT	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt
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11	07	06	29	56	29	58	29	60	30	58	30	60												
11	11	06	35	22	33	25	32	30	31	31	30	28												
11	11	12	33	29	33	27	32	31																
11	15	12	22	40	22	46	23	49																
11	15	23	23	63	23	73	23	72	24	73														
11	19	12	26	44																				
11	20	23	30	42	31	46	31	41	31	44	31	47												
11	21	06	30	62																				
11	21	23	30	42	31	34	32	36	31	36	30	36												
11	22	06	32	38	32	41																		
11	22	23	31	17	31	30	31	30	29	28	30	30												
11	23	06	29	15	32	25	32	29	31	27	30	30												
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11	23	23	26	16	27	18	30	17	27	25	28	26												
11	24	23	26	20	27	20	25	27	25	34	24	36												
11	25	06	22	26	26	19	29	17	26	21	24	30												
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11	25	23	23	28	22	30	22	31	22	51	23	30												
11	26	12	23	30	23	39	23	26	23	38	25	52												
11	26	23	23	31																				
11	27	12	27	10	25	33	23	24	23	28	21	21												
11	27	23	29	13	27	15	25	14	26	20														
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12	17	12	24	35																				
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12	21	23	22	29	22	22	23	17	22	25	28	12												
12	22	06	22	41																				
12	22	12	22	51	22	50	22	40	23	38														
12	22	23	22	35	23	27	21	31	28	15														
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12	23	23	24	54	24	36	24	32	23	24														
12	24	06	24	76	24	59	25	42	25	32	25	20												
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12	27	06	26	18	28	23	27	16																
12	28	06	27	14	28	13	26	09	29	11	29	05												
12	28	23	23	11	24	10	25	10	25	13	29	04												
12	29	06	22	14	24	16	22	17	25	13	23	06												

Results of Upper Wind Observations,
WILKES 1961

MONTH	DAY	HOUR	SURFACE		1000 FEET		3000 FEET		5000 FEET		7000 FEET		10,000 FEET		15,000 FEET		20,000 FEET		25,000 FEET		30,000 FEET		35,000 FEET	
		GMT	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt
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1	01	23	00	00	16	03	08	11	09	13	09	18	08	21	05	33	05	51	04	64	04	49	04	19
1	02	12	18	02	10	10	07	21	08	14	10	27	07	28	08	28	08	35	07	47	06	52	06	29
1	02	23	00	00	25	04	29	06	22	01	15	08	17	23	12	30	11	36	11	45	10	48	12	18
1	03	12	00	00	00	00	24	06	22	06	16	10	13	16	13	25	13	33	13	48	13	50	16	15
1	03	23	00	00	05	11	11	09	12	15	14	12	15	22	15	24	15	26	15	32	15	25	20	08
1	04	12	25	04	18	05	08	09	09	18	12	23	10	25	11	21	11	25	10	31	09	24	07	06
1	04	23	03	08	05	13	09	13	08	27	10	23	09	23	09	24	10	24	11	20	11	22	09	11
1	05	12	00	00	07	08	07	22	08	27	11	23	09	23	09	11	10	10	11	24	10	16	09	16
1	05	23	09	16	08	36	06	21	08	12	13	08	09	23	07	24	07	12	06	20	08	17	07	15
1	06	12	09	40	10	52	09	20	10	07	13	11	12	15	11	40	09	31	07	35	09	26	11	14
1	06	23	10	36	09	44	06	24	05	12	10	11	11	13	11	26	09	34	10	47	10	33	10	18
1	07	12	10	02	08	15	05	19	04	17	06	14	10	18	12	20	11	25	11	42	12	26	13	12
1	08	01	00	00	00	00	08	07	09	04	09	25	11	15	10	17	13	24	13	31	13	24	15	16
1	08	12	06	04	05	04	12	09	11	13	12	13	14	14	14	12	16	16	17	19	18	12	19	16
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1	09	12	04	08	02	08	02	03	14	02	06	02	28	08	22	09	24	27	24	43	24	39	25	26
1	09	23	02	04	09	05	08	10	09	07	06	04	07	05	27	04	26	22	27	34	27	46	28	21
1	10	09	27	02	20	05	12	08	10	06	06	08	07	07	18	04	26	16	26	30	28	41	28	20
1	10	23																						
1	11	12	04	02	05	06	10	06	12	04	23	04	24	08	27	15	26	46	25	66	25	50	27	36
1	11	23	07	16	07	27	06	21	13	12	00	00	03	12	32	10	29	22	29	20	31	30	31	23
1	12	12	10	02	11	05	13	08	10	13	08	15	06	17	02	11	35	15	34	17	32	22	36	27
1	12	23	11	18	09	42	06	25	07	16	07	10	11	12	04	16	03	16	04	31	03	19	02	23
1	13	12																						
1	13	23	09	10					07	11	08	12	09	21	03	20	34	06	31	15	31	14	35	24
1	14	12	10	10	08	50	06	44	05	28	05	18	11	17	05	12	04	11	05	13	03	17	31	12
1	14	23																						
1	15	12	11	20	06	24	05	40	06	20	09	28	12	25	09	30	09	10	07	17	07	35	05	15
1	15	23	18	02	10	06	05	20	06	08	10	12	08	17	04	14	07	10	08	14	07	14	05	13
1	16	12	11	05											04	07	05	19	04	19	01	14	02	13
1	16	23																						
1	17	12	14	05	17	03	14	03	11	03	14	02	14	05	04	07	31	09	30	19	31	29	34	10
1	17	23	00	00	14	02	14	02	10	02	12	04	10	14	08	08	03	35	35	42	34	24	04	08
1	18	12	00	00	23	04	24	04	19	03	18	04	10	07	05	06	06	14	05	22	05	19	36	10
1	18	23	00	00	33	02	32	15	31	10	31	06	04	04	31	13	13	23	05	21	25	04		
1	19	12	04	05	06	18	08	17	09	05	02	04	04	07	34	07	02	10	02	12	02	12	36	15
1	19	23																						
1	20	12	24	06	23	13	24	11	23	16	25	22	26	11	29	10	35	11	35	07	28	07	34	12
1	20	23	36	04	01	01	30	15	27	12	26	08	27	20	05	18	25	24	25	28	26	32	27	32
1	21	12	36	02	02	08	02	12	29	09	27	07	28	16	27	21	27	32	27	55	27	31	28	27
1	21	23																						
1	22	12	29	02	23	07	21	05	16	08	12	15	14	14	15	15	17	11	18	15	19	05	29	06
1	22	23																						
1	23	12	00	00	00	00	00	00	12	07	09	09	07	16	12	08	12	12	24	28	25	46	28	17
1	23	23	36	04			03	09	10	15	14	07	11	08	13	13	16	13	26	35	28	29	30	25
1	24	12																						
1	24	23	14	04	11	06	06	08	12	10	14	11	21	10	01	07	01	24	01	32	34	22	31	09
1	25	12	05	02	05	07	07	04	06	05	17	03	26	08	28	17	20	17	27	15	27	33	28	28
1	25	23																						
1	26	12																						
1	26	23																						
1	27	12	09	26							36	17	01	18	06	32	09	43	07	43	02	37	36	33
1	27	23	04	23							04	34	04	29	04	32	04	33	02	32	32	23	35	23
1	28	12																						
1	28	23	00	00			05	31	05	21	06	19	06	20			05	31	06	07	61	24	36	22
1	29	12	18	02	16	04	13	08	08	18	10	20	08	10	04	13	02	19	02	25	36	37	36	33
1	29	23	09	08	03	10	04	08	08	11	10	14	09	25	11	13	04	18	01	33	34	72		
1	30	12	00	00	06	07	13	14	14	11	09	17	09	20	09	10	02	15	34	44	33	52	32	44
1	30	23	06	12	03	55	02	42	36	13	33	10	03	09	31	09	34	19	35	56	35	60	32	31
1	31	12																						
1	31	23	10	15	07	32	05	13	11	10	07	23	06	28	02	21	34	30	34	52	34	76	32	17
2	01	12																						
2	01	23																						
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2	02	23	07	18	07	35	06	31	09	30	07	18	12	22	08	20	07	15	08	25	09	21	09	13
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2	03	23	17	08	15	16	12	11	11	10	15	07	14	18	11	27	07	08	12	16	13	15	13	14
2	04	12	00	00	23	04	19	08	10	09	09	10	11	10	14	20	11	03	07	07	14	11	15	11
2	04	23																						
2	05	12	00	00	10	02	11	03	07	02	14	05	13	18	12	20	11	14	07	24	05	12	17	05
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2	08	23	10	20	07	31	06	13	12	10	11	11	01	07	36	12	35	13	36	27	34	24	30	18
2	09	12	09	18	07	42	05	28	08	13	10	14	07	20	02	18	30	22	30	32	28	67	29	29
2	09	23																						

Results of Upper Wind Observations,
WILKES 1961

MONTH	DAY	HOUR	SURFACE		1000 FEET		3000 FEET		5000 FEET		7000 FEET		10,000 FEET		15,000 FEET		20,000 FEET		25,000 FEET		30,000 FEET		35,000 FEET	
		GMT	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt
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2	15	12	30	12	27	12	27	13	27	13	25	25	25	24	26	31	26	38	26	43	25	33	26	32
2	15	23	18	16	17	12	20	16	20	21	21	35	22	35	23	45	24	107	24	97	25	137	24	80
2	16	12	14	02	12	05	17	17	19	16	25	12	23	20	25	45	26	65	27	77	26	91	27	52
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2	18	23	05	02	06	08	09	11	15	17	16	14	22	14	23	27	26	46	26	52	27	84	27	91
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2	20	23	18	04	07	12	09	07	08	3	02	05	30	28	27	35	28	46	29	62	29	65	29	93
2	21	12	00	00	10	08	05	13	06	14	04	07	29	15	31	17	31	23	30	33	31	42	31	62
2	21	23																						
2	22	12	00	00	05	04	33	02	35	06	31	12	32	19	35	33	34	36	34	51	35	45	33	43
2	22	23	00	00							28	29	28	36	28	45	28	57	28	78	28	65	29	43
2	23	12	31	06					27	27	26	21	27	48	27	55	26	60	27	60	27	59	27	51
2	23	23	05	04	04	06	32	08	30	14	31	14	31	27	31	31	30	51	30	58	30	72	30	40
2	24	12	23	02			05	15	04	10	05	07	01	09	36	16	31	17	31	30	32	08		
2	24	23	12	20	09	40	05	25	04	23	04	16	07	25	05	39	05	15	05	14	02	19	02	20
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2	25	23																						
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2	26	23	18	09	10	06	08	10	09	12	09	16	10	17	08	09	10	15	08	09	32	11	30	11
2	27	12																						
2	27	23	14	10	11	10	05	13	05	17	10	11	16	14	10	13	12	10	19	14	19	05	19	12
2	28	12	00	00	07	08	07	09	07	12	08	15	10	15	12	06	04	07	25	10	27	13	26	16
2	28	23	07	04	05	06	04	11	08	12	08	09	00	00	22	10	25	16	25	16	26	22	27	24
3	01	12	00	00							14	16	20	03	25	16	26	25	26	25	26	28	27	37
3	01	23	04	04													26	24	26	23	27	33	28	33
3	02	12	27	02	24	07	22	08	22	13	23	09	21	09	25	27	24	25	27	26	27	28	27	31
3	02	23	03	10	02	18	01	06	35	12	34	10	23	13	24	20	29	31	23	30	29	36	25	32
3	03	12																						
3	03	23	04	04	05	14	02	08	34	14	26	16	26	17	26	23	26	22	25	20	25	33	26	35
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3	04	23	09	02	08	02	05	02	29	14	26	08	23	06	21	07	20	07	22	06	28	17	27	20
3	05	12	00	00	05	12	31	12	06	14	08	13	34	04	19	15	22	19	20	24	25	13	30	10
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3	06	12	08	04	04	14	04	04	05	12	21	09	18	07	23	29	23	43	23	26	23	15	24	11
3	06	23	10	06									23	08	23	23	24	22	24	21	25	23	25	23
3	07	12	18	02	15	04	13	03	06	08	07	05	25	08	24	19	24	43	24	51	25	33	25	25
3	07	23	00	00											25	35	25	46	25	41	25	41	26	41
3	08	12	09	02	20	10	30	07	25	12	25	12	24	24	24	45	24	35	24	29	24	41	25	20
3	08	23	24	02	20	06	23	11	25	15	25	20	25	28	26	24	26	72	26	77	26	93	26	81
3	09	12																						
3	09	23																						
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3	10	23	07	16	04	25	02	14	01	12	01	12	02	07	34	12	26	16	27	22	31	28	31	30
3	11	12	05	12	05	21	03	13	03	10	09	16	02	09	01	12	33	15	30	13	31	23	31	33
3	11	23	04	04	04	14	02	08	02	06	03	10	03	13	20	17	35	13	32	16	31	17	30	20
3	12	12	05	02	06	06	08	10	08	08	07	10	08	09	06	07	35	08	36	07	36	12	31	20
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3	13	12	00	00	07	04	03	09	00	00	13	03	08	04	05	04	27	12	35	03	35	06	31	12
3	13	23	10	02	00	00	36	05	32	12	21	11	23	05	06	08	02	04	36	08	36	05	32	11
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3	14	23																						
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3	15	23	35	02	02	19	01	07	36	08	34	10	26	15	24	16	22	10	25	18	21	03	00	00
3	16	12																						
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3	17	12	08	04	07	19	04	08	07	10	07	15	07	10	12	10	10	14	19	31	22	28	22	30
3	17	23	09	08	07	28	05	14	07	09	07	21	06	18	36	06	33	12	31	15	25	29	23	28
3	18	12	10	24	07	45	06	24	07	25	08	14	09	23	09	22	05	16	05	17	27	24	24	18
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3	19	12	09	22	06	41	05	30	09	16	13	15	06	25	05	53	04	48	04	57	02	40	33	47
3	19	23	09	21	05	28	06	26	04	18	06	15	06	14	09	33	04	40	03	50	02	25	36	12
3	20	12	00	01											08	41	06	21	04	17	05	13	35	14
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Results of Upper Wind Observations,
WILKES 1961

MONTH	DAY	HOUR	SURFACE		1000 FEET		3000 FEET		5000 FEET		7000 FEET		10,000 FEET		15,000 FEET		20,000 FEET		25,000 FEET		30,000 FEET		35,000 FEET	
		GMT	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt
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3	22	12	09	17	06	34	05	26	06	16	08	18	05	32	05	19	29	10	28	17	29	18	28	24
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3	23	12																						
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3	24	12																						
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3	25	12	07	18	05	36	03	27	04	21	09	12	03	17	33	20	31	21	31	26	31	33	31	32
3	25	23																						
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3	27	12	09	20	05	33	03	25	03	13	05	21	05	26	34	33	33	23	32	24	32	49	32	62
3	27	23																						
3	28	12																						
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3	29	12	00	00	31	05	26	05	20	07	24	08	23	08	24	19	25	53	25	96	25	78	25	68
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3	31	23																						
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4	06	12	00	00	13	02	00	00	13	07	19	05	26	10	26	20	29	28	28	25	27	24	27	32
4	06	23	22	02											29	13	30	08	29	15	28	20	29	27
4	07	12	00	00	09	04	06	05	01	04	32	16	31	21	31	16	30	13	29	11	29	20	30	21
4	07	23	06	04	05	05	34	07	01	04	35	03	34	14	30	13	26	30	25	39	27	36	28	25
4	08	12																						
4	08	23	12	04	12	02	15	03	12	04	11	07	05	12	30	07	29	16	28	15	27	20	27	28
4	09	12	01	02	01	05	30	10	20	05	05	10	36	07	28	16	30	11	29	12	27	21	27	25
4	09	23	05	02	03	05	25	03	18	07	15	09	16	06	26	19	26	30	26	34	27	26	28	27
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4	11	12	11	02	06	04	10	06	14	08	16	09	20	10	23	21	23	31	24	29	23	45	24	50
4	11	23	18	04	15	08	19	07	18	12	19	20	21	19	23	39	23	59	23	04	22	90	24	49
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4	14	23																						
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4	15	23	00	00			06	13	08	17	33	04	29	09	29	10	34	10	02	12	32	07	32	15
4	16	12	00	00	09	04	05	11	05	03	32	08	32	06	32	16	32	13	33	06	30	07	33	08
4	16	23	33	02							23	10	22	09	01	04	06	08	08	09	04	13	34	11
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4	17	23	17	04	17	06	16	08	09	10	09	19	12	08	02	12	08	12	08	18	09	10	25	09
4	18	12	09	02	29	04	27	01	07	06	14	15	14	20	11	18	11	27	09	15	06	08	32	11
4	18	23	14	03	06	14	07	13	07	22	10	31	07	10	03	12	02	14	09	07	03	11	33	09
4	19	12	09	02	32	10	05	15	09	13	12	08	14	08	11	08	08	06	05	07	31	08	27	10
4	19	23	00	00	27	04	25	06	15	55	09	16	07	20	07	02	25	08	21	32	23	24	24	28
4	20	12	00	00	05	04	25	09	00	00	00	00	00	00	25	13	23	43	22	59	22	57	24	40
4	20	23	09	02	05	02	09	03	09	04	06	05	06	03	27	14	27	17	26	29	26	24	27	32
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4	21	23																						
4	22	12	12	04	12	08	10	17	09	23	08	18	10	17	07	02	03	13	03	13	35	13	33	16
4	22	23	16	12	10	06	04	09	09	09	13	17	14	25	14	17	14	14	07	08	13	06	24	07
4	23	12	12	04							12	10	17	16	11	02	21	03	35	10	19	12	22	17
4	23	23	13	04	16	05	02	07	05	14	07	23	06	10	05	03	10	02	29	15	24	25	25	23
4	24	12	00	00	24	02	25	03	05	17	19	05	06	10	31	08	27	16	27	31	26	34	26	29
4	24	23	04	04	01	08	03	09	04	16	03	09	34	10	29	18	29	28	29	33	27	28	25	27
4	25	12	09	04	06	21	04	14	11	07	29	07	33	17	30	06	27	12	26	25	25	33	25	39
4	25	23	00	00	05	02	08	04	12	08	14	08	20	08	26	33	29	54	27	55	27	64	27	43
4	26	12	20	04							10	10	08	06	30	04	32	09	31	13	30	30	30	43
4	26	23	13	15	09	21	06	20	05	13	07	17	04	19	02	14	01	14	33	30	32	39	31	41
4	27	12	09	23	08	23	04	15	01	13	11	07	09	19	36	06	31	21	30	23	32	30	32	38
4	27	23	06	34	04	19	05	24	05	15	01	10	35	14	33	16	34	12	35	21	32	26	32	31
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4	30	12	00	00	10	03	17	07	10	04	08	10	08	12	09	08	21	06	24	04	25	10	31	14
4	30	23	00	00	00	00	19	02	15	04	06	04	03	03	29	04	22	12	23	20	25	16		

Results of Upper Wind Observations,
WILKES 1961

MONTH	DAY	HOUR	SURFACE		1000 FEET		3000 FEET		5000 FEET		7000 FEET		10,000 FEET		15,000 FEET		20,000 FEET		25,000 FEET		30,000 FEET		35,000 FEET	
		GMT	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt
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5	02	14	13	04	10	02	06	34	07	31	07	37	04	30	35	25	32	21	32	31	30	39	28	43
5	02	23																						
5	03	12																						
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5	04	12																						
5	04	23																						
5	05	12	06	27	05	31	03	17	03	16	04	21	04	12	03	13	34	20	34	16	32	14	30	17
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5	08	12																						
5	08	23																						
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5	16	13	04	10	36	08	01	10	35	12	31	09	25	08	27	23	26	30						
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5	22	12	00	00					03	11	02	06	04	07	10	13	11	08	19	10	22	02	34	08
5	22	23	01	11	30	10	30	06	20	10	19	13	17	12	10	15	08	16	05	15	06	05	32	10
5	23	12	00	00																				
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5	24	12	00	00											29	08	26	03	26	08	27	14	25	23
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5	30	23	06	04	03	22	03	24	01	10	31	13	32	15	30	20	31	23	29	25	27	28	25	28
5	31	12																						
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6	01	14	00	00	08	03	08	13	07	13	17	05	23	08	26	16	27	34	26	53	27	45	26	41
6	01	23	00	00	07	04	04	02	14	05	21	05	26	10	27	20	28	45	28	52	28	42	27	41
6	02	12	00	00	04	10	04	11	15	04							28	18	27	28	27	23	26	28
6	02	23	06	01	30	04	25	06	24	09	23	10	25	19	24	48	24	90	24	75	25	72	26	54
6	03	09	10	04	06	09	04	13	34	12	31	14	30	31	30	41	30	72	80	05	29	99	39	24
6	03	23																						
6	04	02	00	00	04	16	04	30	03	25	01	28	01	24	35	41	32	55	32	74	32	80	32	88
6	04	09																						
6	05	10	11	25	07	49	04	36	04	40	03	37	01	35	36	41	35	57	34	64	33	67	33	78
6	05	23																						
6	06	10																						
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6	07	12	00	00	14	04	07	14	06	17	11	14	14	19	26	07	22	06	27	10	28	23	26	21
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6	08	12	16	10	16	08	17	12	18	12	18	17	16	21	20	18	24	28	23	31	26	29	26	38
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6	09	12	09	02	17	02	10	09	10	11	14	15	15	20	23	26	25	32	25	40	25	33	25	20
6	09	23	11	02					04	10	10	23	04	11	07	06	32	17	30	31	29	15	31	12
6	10	12	08	06	03	04	09	10	12	14	23	04	05	10	35	15	32	34	32	39	33	33	34	20
6	10	23	19	02	16	10	16	11	08	11	03	12	03	16	02	20	36	34	35	46	35	44	35	27

Results of Upper Wind Observations,
WILKES 1961

MONTH	DAY	HOUR	SURFACE		1000 FEET		3000 FEET		5000 FEET		7000 FEET		10,000 FEET		15,000 FEET		20,000 FEET		25,000 FEET		30,000 FEET		35,000 FEET	
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6	11	12	12	02	00	00	09	03	05	11	08	07	08	08	06	12	36	20	35	16	01	18	01	13
6	11	23	16	08	16	16	06	11	04	24	05	25	07	33	04	33	02	46	36	45	02	52	36	29
6	12	12	18	04	15	09	05	19	05	31	09	26	05	22	04	27	04	42	30	52	30	52	03	26
6	12	23	14	02	35	06	23	20	17	10	09	12	07	10	07	13	05	24	01	27	04	30	02	05
6	13	12	00	00	21	04	29	07	16	06	14	05	19	06	12	05	05	15	03	19	02	10	21	13
6	14	01	00	00	03	02	27	03	25	19	24	23	24	16	22	23	23	08	24	19	23	42	22	53
6	14	12	14	02	08	08	07	12	20	11	22	16	24	28	24	41	25	48	25	51	25	66	24	64
6	14	23	00	00	14	03	05	03									23	47	23	87	23	90	23	74
6	15	12	00	00	06	04	13	15	17	19	17	17	21	23	23	65	23	92	23	96	24	96	23	76
6	15	23	00	00	03	14	06	37	06	30	07	29	06	08	29	11	28	45	28	60	27	74	27	72
6	16	12	24	02	10	06	06	26	04	15	05	15	02	09	26	18	26	41	26	28	26	75	28	38
6	16	23	09	32	06	30	01	10	01	19	35	34	33	34	31	54	31	62	29	84	28	94	28	92
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6	19	12	00	00			20	14	20	12	20	16	19	21	21	19	26	18	29	21	27	17	29	25
6	19	23	16	05													25	23	26	21	26	15	27	17
6	20	12	00	00	22	19	23	17	24	28	25	37	25	43	26	42	25	54	26	79				
6	20	23	00	00	03	08	04	14	30	02	29	13	27	30	28	52	28	83	28	12	27	77	27	71
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6	21	23																						
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6	22	23																						
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6	24	12	00	00	26	04	02	03	05	10	10	16	09	12	05	05	00	00	21	07	27	11	25	11
6	25	01	04	11	02	36	29	35	24	36	24	35	24	21	23	21	23	18	22	18	21	13	23	12
6	25	12	08	08	04	06	12	04	17	16	18	17	17	16	18	16	18	20	17	20	19	23	24	21
6	25	23	15	04	02	04	32	10	21	26	22	28	23	29	23	29	22	37	23	45	23	47	24	44
6	26	12	06	08	35	08	14	14	19	32	21	34	22	40	23	47	23	96	24	98				
6	26	23	03	06	02	14	04	08	05	08	01	05	32	04	29	20	35	10	34	20	34	39	30	46
6	27	13	04	12	35	10	29	10	28	15	27	18	27	23	27	21	28	16	28	13	28	25	28	37
6	27	23	00	00	13	04	06	15	30	08	28	16	30	18	29	23	30	30	30	45	30	50	30	57
6	28	12	00	00	00	00	05	25	06	31	08	36	07	27	33	16	03	17	32	35	30	57	32	36
6	28	23																						
6	29	12																						
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6	30	23	00	00	04	03	04	22	11	10	18	10	23	05	28	15	29	16	27	22	25	30	26	31
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7	01	23	07	16	05	28	04	27	06	25	03	26	04	35	01	29	32	26	28	56	28	79	29	53
7	02	12																						
7	02	23																						
7	03	12																						
7	03	23																						
7	04	12																						
7	04	23																						
7	05	12																						
7	05	23																						
7	06	12																						
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7	07	12																						
7	07	23	07	10	04	17	34	06	28	20	28	28	27	30	27	53	29	80	78	23				
7	08	10	15	02	11	08	12	04	19	05	26	07	30	17	30	22	30	31	30	63	30	67	30	92
7	08	23	07	04	03	07	06	36	07	29	09	24	06	34	03	18	02	24	35	24	36	32	36	27
7	09	12	10	28	08	49	05	32	01	13	06	09	07	28	03	12	03	23	03	31	01	25	01	30
7	09	23	19	36	09	41	05	18	01	17	04	27	07	36	06	27	05	19	05	26	05	30	04	30
7	10	12	10	36	08	44	04	22	03	20	06	36	09	25	05	30	06	35	06	47	05	46	03	28
7	11	01	10	40	09	33	06	25	13	06	12	08	06	23	05	35	34	24	32	34	32	37	33	31
7	11	12																						
7	11	23																						
7	12	12																						
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7	13	12	18	06	25	05	03	06	05	13	07	22	05	17	34	03	31	10	30	16	28	28	27	33
7	14	01	18	04									04	21	32	22	30	27	30	40	32	52	28	39
7	14	12																						
7	15	06	10	04	14	05	07	06	05	20	02	08	02	08	03	12	07	21	09	15	03	12	28	14
7	15	12	18	02	26	02	06	05	09	10	03	11	07	03	04	09	01	05	35	03	28	10	28	32
7	15	23																						
7	16	12																						
7	16	23	26	06					07	28	07	19	07	17	10	14	36	19	01	08	31	09	29	22
7	17	13	18	20			20	30	22	21	23	22	23	29	23	33	24	27	24	26	24	23		
7	17	23	21	10	22	19	21	26	24	19	23	26	23	27	24	22	23	77	23	79	23	120	23	116
7	18	02	16	05	09	20	03	22	03	16	01	10	34	27	32	17	33	24	32	29	30	33	30	44
7	18	12	05	16	03	15	35	13	36	16	35	24	34	29	33	29	33	41	33	43	31	38	30	56
7	19	12	00	00			02	08	27	08	26	10	33	08	32	06	22	22	23	51	24	52	26	45
7	19	23	15	03	01	03	17	02	24	08	23	08	24	11	23	08	24	10	27	09	29	12	26	23
7	20	12	00	00											24	17	25	15	30	18	27	24	28	37
7	20	23	18	03	16	02	20	06	20	11	18	08	20	10	25	21	25	30	26	43	26	54	26	60

Results of Upper Wind Observations,
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MONTH	DAY	HOUR	SURFACE		1000 FEET		3000 FEET		5000 FEET		7000 FEET		10,000 FEET		15,000 FEET		20,000 FEET		25,000 FEET		30,000 FEET		35,000 FEET	
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7	21	23	08	04	34	08	31	10	09	05	20	08	25	13	24	17	25	34	26	28	26	30	26	31
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7	22	23	18	05	17	08	09	11	08	21	08	31	06	12	03	14	01	14	36	14	31	14	28	26
7	23	13																						
7	23	23																						
7	24	12	04	08	04	12	33	07	28	14	28	19	28	25	28	31	27	40	27	41	28	47	28	48
7	24	23	18	10	12	38	04	19	35	19	32	25	32	28	31	20	30	37	29	33	29	38	29	44
7	25	12																						
7	25	23																						
7	26	12	06	21	03	35	02	30	01	30	36	22	03	10	01	26	34	24						
7	26	23																						
7	27	12	27	11	26	13	29	18	32	07	35	14	35	19	03	29	04	28	02	26	34	34	33	36
7	27	23	09	08	08	06	01	09	34	18	31	29	29	34	30	30	29	22	30	29	30	34	28	37
7	28	12													01	37	36	31	33	32	33	40	32	39
7	28	23	18	04	10	05	05	23	05	12	02	05	24	15	24	23	30	20	34	15				
7	29	09	09	32	08	39	05	32	03	20	06	07	13	24	05	14	02	19	36	16	29	23	30	59
7	29	23	18	02	28	03	08	10	06	23	06	27	05	20	24	14	27	25	29	31	29	23	30	29
7	30	09																						
7	30	23	39	10	08	16	09	16	11	18	19	08	13	14	09	12	09	19	36	06	31	06	25	18
7	31	12	00	00	30	04	23	06	19	05	22	05	22	10	30	10	31	13	30	25	25	22	25	41
7	31	23	19	10	20	16	21	15	23	36	23	29	23	28	23	70	24	36	69	01				
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8	01	23	18	10	13	04	03	11	15	10	25	03	29	13	28	22	29	30	30	38	30	52	29	39
8	02	12	06	06	02	15	33	11	25	05	20	11	23	11	25	12	21	11	18	08	27	08	27	23
8	02	23	00	00	36	01	33	02	15	05	18	10	20	12	23	17	24	18	25	16	24	23	24	28
8	03	12	00	00	21	03	36	02	16	02	21	12	23	16	24	13	24	16	25	23	23	27	25	33
8	03	23	16	10					13	27	17	28	18	29	24	40	26	52	27	54	27	65	27	67
8	04	12	18	20					10	35	13	52	17	29	21	26	23	19	21	36	23	33	25	28
8	04	23	04	14	04	29	07	12	11	24	12	11	15	08	06	05	22	13	21	15	25	44	23	37
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8	06	12	09	04									12	06	29	10								
8	06	23	04	06	33	07	10	01	10	18	10	13	07	07	25	09	26	18	25	43	25	45	26	43
8	07	12	06	04	04	08	05	13	09	09	14	22	12	04	30	19	28	21	29	28	28	32	28	28
8	07	23	00	00	19	03	17	07	07	14	11	11	00	00	23	05	10	11	11	21	25	23	26	34
8	08	12	09	04	32	06	22	11	09	08	12	21	08	19	06	26	34	06	25	10	25	22	26	43
8	08	23	00	00							19	08	13	04	02	05	26	19	26	40	25	46	26	50
8	09	12	09	02	03	06	01	07	35	06	29	05	27	20	25	37	26	42	27	44	27	41	27	45
8	09	23	00	00	06	05	07	14	13	09	28	08	28	08	29	12	32	11	32	16	34	16	30	16
8	10	12	18	04	13	13	06	11	07	17	07	07	08	08	07	08	05	06	08	13	01	10	30	19
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8	11	23																						
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8	12	23	00	00	04	03	03	14	26	11	28	07	31	05	28	08	26	14	26	17	25	24	25	33
8	13	12	00	00							04	09	36	01	28	06	22	30	22	60	22	65	25	33
8	13	23	00	00	05	10	05	16	07	11	05	17	02	11	32	16	28	43	30	33	33	28	31	29
8	14	10	09	31	07	52	04	46	03	34	02	28	36	30	36	49	35	59	34	86	34	87	34	97
8	14	23	00	00									25	24	27	20	28	23	30	22	33	27	32	39
8	15	12	18	05	05	10	03	14	36	11	35	13	35	12	33	21	30	38	31	57	31	58	30	59
8	15	23																						
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8	18	23	09	43	07	54	04	38	03	24	04	19	05	19	04	19	02	31						
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8	19	23																						
8	20	12																						
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8	23	12	10	38	08	39	06	33	05	28	06	33	07	26	35	19	33	29	32	45	33	63	32	77
8	23	23																						
8	24	12																						
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8	25	12	16	06	10	04	05	10	06	15	08	17	10	21	17	17	19	27	20	30	21	30	24	26
8	25	23	00	00	16	02	20	16	18	19	19	16	18	21	22	25	22	47	23	53	22	56	23	51
8	26	09	18	10	16	16	16	16	19	25	19	23	22	19	22	28	22	46	23	58	24	59	24	60
8	26	23	06	24	04	28	02	15	32	08	30	10	28	14							29	43	30	66
8	27	12	27	10	26	06	03	19	02	08	17	02	28	10	36	11	03	21	28	20	27	46	25	74
8	27	23	06	02	05	16	04	19	35	14	34	11	30	23	30	36	29	49	26	60	29	84	28	81
8	28	12	06	22	03	28	32	22	29	31	28	26	29	30	29	53	29	78	29	94	29	90	80	03
8	28	23	18	03	16	06	21	11	22	20	22	23	24	28	27	31	29	63	29	90	29	97		
8	29	12	14	04	06	14	06	33	06	35	03	37	36	39	33	41	33	50	33	68	31	80	30	84
8	29	23	06	20	03	26	34	23	30	34	30	33	30	31	31	37	30	57	30	55	31	50	31	46
8	30	12	04	10	01	10	29	12	29	20	28	24	21	25	28	43	27	75	27	78				
8	30	23	17	04	10	04	07	08	08	11	08	10	04	08	31	17	31	22	31	30	31	40	30	39
8	31	12	16	08	09	04	08	11	10	16	09	15	09	14	03	05	33	02	17	04	20	11	20	34
8	31	23	14	02	04	05	08	08	09	19	08	16	11	27	10	02	35	01	00	00	00	00	25	06

Results of Upper Wind Observations,
WILKES 1961

MONTH	DAY	HOUR	SURFACE		1000 FEET		3000 FEET		5000 FEET		7000 FEET		10,000 FEET		15,000 FEET		20,000 FEET		25,000 FEET		30,000 FEET		35,000 FEET	
		GMT	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt
9	01	12	17	02	02	08	01	10	05	07	11	13	11	23	10	08	00	00	02	04	18	05	27	07
9	01	23	17	06	15	02	08	15	08	16	09	20	12	20	09	13	12	05	09	08	11	10	11	06
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9	08	23																						
9	09	12																						
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MONTH	DAY	HOUR	SURFACE		1000 FEET		3000 FEET		5000 FEET		7000 FEET		10,000 FEET		15,000 FEET		20,000 FEET		25,000 FEET		30,000 FEET		35,000 FEET	
		GMT	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt
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Results of Upper Wind Observations,
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MONTH	DAY	HOUR	SURFACE		1000 FEET		3000 FEET		5000 FEET		7000 FEET		10,000 FEET		15,000 FEET		20,000 FEET		25,000 FEET		30,000 FEET		35,000 FEET	
		GMT	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt
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12	31	07	26	04	21	11	22	11	26	09	25	18	26	21	28	18	29	17	28	19	27	19	28	17
12	31	23	29	04					02	10	05	11	12	21	07	25	06	29	06	46	05	33	04	19

Results of Upper Wind Observations,
WILKES 1961

MONTH	DAY	HOUR	40,000 FEET		45,000 FEET		50,000 FEET		55,000 FEET		60,000 FEET		65,000 FEET		70,000 FEET		75,000 FEET		80,000 FEET		85,000 FEET		90,000 FEET	
		GMT	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt
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1	02	23	34	10	05	05	05	05	00	0	07	06												
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1	04	23	05	12	02	09	04	07	36	07	01	08												
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1	05	23	06	13	05	21	05	26	05	09	04	12												
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2	02	23	08	10	08	15	09	04	09	04	07	03												
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2	21	12	31	46	31	18	30	21	31	21	29	13												

Results of Upper Wind Observations,
WILKES 1961

MONTH	DAY	HOUR	40,000 FEET		45,000 FEET		50,000 FEET		55,000 FEET		60,000 FEET		65,000 FEET		70,000 FEET		75,000 FEET		80,000 FEET		85,000 FEET		90,000 FEET	
		GMT	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt
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3	22	12	27	31	28	33	28	28	28	31	28	27												
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3	30	23	28	64	27	35	27	28	26	39	27	31												
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4	01	23	25	45	26	45	27	33	25	29	27	33												
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4	10	23	24	23																				
4	11	12	24	51	23	57	23	37	24	43	24	50												
4	11	23	24	63	23	72	24	37	24	37	24	53												

Results of Upper Wind Observations,
WILKES 1961

MONTH	DAY	HOUR	40,000 FEET		45,000 FEET		50,000 FEET		55,000 FEET		60,000 FEET		65,000 FEET		70,000 FEET		75,000 FEET		80,000 FEET		85,000 FEET		90,000 FEET	
		GMT	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt
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4	20	23	26	39	27	62	27	45	26	40	26	45												
4	21	12	27	37	27	42	27	48																
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5	20	12	31	19																				
5	20	23	29	14																				
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5	23	23	26	09																				
5	24	12	26	28	26	36	26	42	26	43	26	47												
5	24	23	24	27	25	34	26	35																
5	25	12	23	37	24	42	25	39	24	50	25	43												
5	25	23	24	42	24	45	24	32	24	45	25	56												
5	26	12	26	44	26	45	26	41	26	58	26	76												
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5	31	23	25	36																				
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6	01	23	27	31	28	36	27	39	27	41	27	55												
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6	02	23	25	43	25	54	26	51	25	54	26	59												
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6	05	10	33	94																				
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6	07	12	26	26	30	25	29	33	27	34	28	37												
6	07	23	27	19	26	17	27	27	26	26	26	26												
6	08	12	23	28	25	20	25	19	24	22	24	25												
6	09	06	23	18	24	12	23	19	24	21	24	21												
6	09	12	24	09	20	05	24	23	22	27	24	24												
6	09	23	28	09	27	06																		

Results of Upper Wind Observations,
WILKES 1961

MONTH	DAY	HOUR	40,000 FEET		45,000 FEET		50,000 FEET		55,000 FEET		60,000 FEET		65,000 FEET		70,000 FEET		75,000 FEET		80,000 FEET		85,000 FEET		90,000 FEET	
		GMT	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt
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6	10	23	31	10	30	17	28	20	28	26	26	31												
6	11	12	02	13	02	18	02	64																
6	11	23	34	13	29	23	31	31	31	29														
6	12	12	02	19	29	18	29	12	30	35	31	37												
6	12	23	23	14	25	17	27	23	36	27	25	43												
6	13	12	23	30	22	31	22	40	23	51	23	61												
6	14	01	22	55	22	60	23	68	23	60	23	94												
6	14	12	24	71	24	60	24	68	24	78														
6	14	23	23	74	23	65	24	71	24	65	24	89												
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6	16	12	27	40	26	55	27	56	27	73	27	89												
6	16	23	30	50	80	33	29	80	28	56	29	82												
6	17	01	30	83	30	81	30	104																
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6	19	23	26	20	26	55	28	37	28	55	28	68												
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6	23	23	29	12	28	19	28	13	27	37	27	52												
6	24	12	26	20	26	31	26	46																
6	25	01	25	19																				
6	25	12	25	31	26	37	26	53	27	63	27	76												
6	25	23	24	48	25	51	26	70	25	71	26	82												
6	26	23	30	55	30	60	28	70																
6	27	23	30	35	30	49	30	62	30	74														
6	28	12	31	34	31	43	31	42	31	60	30	67												
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7	01	23	30	43	30	47	31	58	31	52	31	79												
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7	10	12	36	33	32	29																		
7	11	01	35	36																				
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7	13	12	28	41	27	38	30	53	28	54	28	75												
7	14	01	29	48	30	55	30	58	30	74														
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7	15	12	27	40	26	60	28	59	28	68	27	64												
7	16	23	29	34	29	48	01	56	28	74	28	84												
7	17	23	24	66																				
7	18	02	29	58	29	66	29	71																
7	18	12	30	63	29	79																		
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7	19	23	26	46	26	52	26	66	26	78	26	81												
7	20	12	25	54	25	80	26	60	26	78	26	92												
7	20	23	26	55	27	60	27	69	26	74	27	82												
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7	22	10	27	31	28	63	28	58	28	70	12	18												
7	22	23	29	27	30	39	29	59																
7	24	12	28	48	28	49	29	50	29	57	29	61												
7	27	12	30	37	30	45	30	52																
7	27	23	29	47	29	56																		
7	28	12	28	48	27	51	27	64																
7	29	09	29	37																				
7	29	23	29	29	28	39																		
7	31	12	25	16	25	55	25	62																
8	01	23	28	25																				
8	02	12	29	31																				
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8	03	23	27	42	28	41	26	44																
8	04	12	25	37																				
8	04	23	27	11	25	51	25	58	26	57	26	68												
8	05	12	27	35																				
8	06	23	27	43	26	52	27	70	27	78	27	80												
8	07	12	28	43	26	48																		
8	07	23	26	43	26	35	26	73	26	67														
8	08	12	25	47	26	62	26	94	26	67														
8	08	23	27	60	27	60	28	79																
8	09	12	28	51	28	54	28	58	29	78														
8	09	23	29	21	29	48	28	53	28	72	28	82												
8	10	12	29	33	29	46																		
8	10	23	30	38	30	52	30	62																
8	11	13	31	38	31	51	30	66																
8	12	23	25	37	26	48	27	55	27	71	27	82												
8	13	12	27	51	28	60	29	65	28	95														
8	13	23	30	51	30	58	30	80	30	90	79	07												

Results of Upper Wind Observations,
WILKES 1961

MONTH	DAY	HOUR	40,000 FEET		45,000 FEET		50,000 FEET		55,000 FEET		60,000 FEET		65,000 FEET		70,000 FEET		75,000 FEET		80,000 FEET		85,000 FEET		90,000 FEET	
		GMT	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt
8	14	10	31	28																				
8	14	23	32	45	31	46	30	45	30	60	30	72												
8	15	12	30	52																				
8	16	23	32	37	32	74																		
8	17	13	32	31	32	51	32	56	32	58														
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8	21	12	22	13	23	23	24	31	25	35	26	58												
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8	22	12	27	29	28	40	28	48																
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8	25	12	27	29	27	42	28	48	29	48														
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8	26	09	24	56	24	53	25	55	25	70														
8	26	23	27	52	26	70																		
8	27	12	26	48	26	74	26	81	76	03														
8	27	23	28	75	27	69	27	96	27	80	77	19												
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8	29	12	30	68																				
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9	30	23	20	18	21	19	24	26	24	28	25	42												
0	01	23	20	41	20	60	20	77	18	21	21	22												
0	02	12	20	37	19	78																		
0	02	23	20	62	19	64	22	62	25	24	22	59												

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MONTH	DAY	HOUR	40,000 FEET		45,000 FEET		50,000 FEET		55,000 FEET		60,000 FEET		65,000 FEET		70,000 FEET		75,000 FEET		80,000 FEET		85,000 FEET		90,000 FEET	
		GMT	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt
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0	03	23	23	37	25	33	26	51	25	64														
0	04	12	25	27	25	39	25	37	26	46	27	43												
0	04	23	24	29	25	38	25	35	26	36	27	39												
0	05	12	25	28	25	30	25	32	25	45														
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0	11	12	28	20	30	33	29	31	28	36														
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0	12	12	25	22																				
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0	14	12	26	47	27	54	25	60	26	79	26	99												
0	14	23	28	30	29	48	28	60	28	82	28	99												
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0	17	23	24	58	24	62	24	66	24	56	25	59												
0	18	12	24	79																				
0	18	23	27	57	27	61	28	80	28	91	77	03												
0	19	12	31	48	32	58	30	78	30	26	30	79												
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0	21	09	21	13	22	19	22	39	28	32	28	40												
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0	23	23	27	44	27	54	27	68	77	00														
0	24	12	28	52	28	60	28	68	28	80	29	82												
0	24	23	29	42	29	48	30	55																
0	25	12	28	33	29	40	28	45	29	58	29	69												
0	26	12	27	38	27	36	28	47	27	65	27	68												
0	26	23	25	43	26	48	26	51	27	66	27	75												
0	27	12	24	51	25	60	26	58	26	65	25	73												
0	27	23	25	58	24	72			25	62	25	71												
0	28	10	24	60	25	79																		
0	29	23	26	55	26	68	26	76	26	84	27	88												
0	30	12	27	45	28	48	28	69	28	71	27	84												
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0	31	12	27	28	27	27	28	36	27	38	26	38												
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11	16	12	27	49	27	50	27	47	29	54	28	57												
11	16	23	31	37	31	37	29	32	29	39	29	35												

Results of Upper Wind Observations,
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MONTH	DAY	HOUR	40,000 FEET		45,000 FEET		50,000 FEET		55,000 FEET		60,000 FEET		65,000 FEET		70,000 FEET		75,000 FEET		80,000 FEET		85,000 FEET		90,000 FEET	
		GMT	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt
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12	28	23	25	33	25	25	25	24	24	15	26	15												

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WILKES 1961

MONTH	DAY	HOUR	40,000 FEET		45,000 FEET		50,000 FEET		55,000 FEET		60,000 FEET		65,000 FEET		70,000 FEET		75,000 FEET		80,000 FEET		85,000 FEET		90,000 FEET	
		GMT	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt	°×10	kt
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12	29	23	28	29	28	36	28	20	29	17	28	13												
12	30	12	29	23	29	21	31	15	28	19	28	15												
12	30	23	29	20	29	22	30	17	30	12	31	18												
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12	31	23	03	12	01	09	34	09	34	18	36	07												