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Davis, Macquarie Island, Mawson and Wilkes, 1959

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C O N T E N T S

	Page V				
	Davis	Macquarie Is.	Mawson	Wilkes	Taylor
INTRODUCTION	1	7	13	19	
FREQUENCY ANALYSES					
Station Level Pressure	25	42	56	74	--
Maximum Temperature	25	42	56	74	--
Minimum Temperature	26	42	57	75	--
Maximum Speed Wind Gust	27	43	58	76	--
Daily Duration of Sunshine	27	--	58	76	--
Daily Amount of Precipitation	--	43	--	--	--
Terrestrial Minimum Temperature	--	43	--	--	--
Screen Temperature against Dew Point Depression	28	44	59	77	--
Direction and Speed of Surface Wind	34	48	65	83	73
Results of Radiosonde Observations	37	51	68	86	--
Temperature at 850 mb	37	51	68	86	--
Temperature at 700 mb	37	51	68	86	--
Temperature at 500 mb	37	51	68	86	--
Temperature at 300 mb	37	51	68	86	--
Temperature at 200 mb	38	52	69	87	--
Temperature at 150 mb	38	52	69	87	--
Temperature at 100 mb	38	52	69	87	--
Temperature at Tropopause	38	52	69	87	--
Geopotential at 850 mb	39	53	70	88	--
Geopotential at 700 mb	39	53	70	88	--
Geopotential at 500 mb	39	53	70	88	--
Geopotential at 300 mb	40	54	71	89	--
Geopotential at 200 mb	40	54	71	89	--
Geopotential at 150 mb	40	54	71	89	--
Geopotential at 100 mb	41	55	72	90	--
Geopotential at Tropopause	41	55	72	90	--
Pressure at Tropopause	41	55	72	90	--
DETAILS OF OBSERVATIONS					
Surface	91	139	187	238	235
Radiosonde	282	291	303	315	--
Tropopause	337	339	341	343	--
Winds	347	360	381	394	--

INTRODUCTION

1. This volume contains the meteorological observations, surface, radiosonde, radio wind and pilot balloon, made at Davis, Macquarie Island, Mawson, Wilkes and Taylor during 1959. 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

H.O. Steiger	-	Observer in Charge
K. O'Gorman	-	Observer
C. Braunsteffer	-	Observer
Y. Keuken	-	Observer (Radio)

MACQUARIE ISLAND

I.K. Black	-	Observer in Charge
N.E. Foley	-	Observer
G. Casasayas	-	Observer
O. Bode	-	Observer

MAWSON

E. Widdows	-	Meteorologist in Charge
L.W. Onley	-	Observer
K. Peake-Jones	-	Observer

WILKES

H. Hansen	-	Meteorologist in Charge
W.H. Alderdice	-	Observer
K. Hardy	-	Observer
I.M. Tod	-	Observer

Mr. H. Hansen and an electronic technician were assigned to Wilkes by the United States Weather Bureau.

TAYLOR

Taylor surface observations from May to August 1959, were made by the staff of Mawson Base. Considerable assistance was given by other members of each party. A fire on 1st August destroyed the station.

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). In this and the 1958 volume, times shown (i.e. 01, 04, 07, 10, 14, 17, 20 and 23) are local time to the nearest hour (GMT + 11 hours). Zone time may be obtained by subtracting 1 hour from the times shown. Times shown in future volumes will be zone time (GMT + 10 hours).

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 to XX 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. Data for Mawson have not been published because of the difficulty in differentiating between falling and drifting snow, while data for Davis are not published regularly for the same reason, but any registrations shown are for the 24 hours up to 0800 L.S.T.

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 from August for 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 from Macquarie Island at 2300 GMT, from Mawson at 0000 GMT, from 14th April at Davis at 0000 GMT.. At Wilkes, they were released twice daily, at 0000 and 1100 GMT..

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, 100 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 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 b 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, Davis and Taylor, 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.

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 and at Taylor 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 and at Mawson and Davis it was measured by a shielded snow gauge but it was not possible to accurately record all precipitation although some accurate measurements were obtained when surface winds were not strong. The results at these two stations have not been published. 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. Precipitation observations were not made at Taylor.

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, while at Mawson they were obtained by visual means of tracking a pilot balloon. At Wilkes, they were obtained by tracking radiosonde balloons using type G.M.D. - I.B. rawinsonde equipment or by visible means of following a pilot balloon.

Sunshine

At Mawson and Davis, Campbell-Stokes sunshine recorders were used and at Wilkes, the daily duration of sunshine was observed, 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.

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, Taylor 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.

CODE FOR VISIBILITY AT STATIONS OTHER THAN WILKES & TAYLOR

Code Figure	Lower Limit	Upper Limit less than
00	Zero	$\frac{1}{8}$ statute mile
01	$\frac{1}{8}$ statute mile	$\frac{1}{4}$ statute mile
02	$\frac{1}{4}$ statute mile	$\frac{3}{8}$ statute mile
03	$\frac{3}{8}$ statute mile	$\frac{1}{2}$ statute mile
04	$\frac{1}{2}$ statute mile	$\frac{5}{8}$ statute mile
05	$\frac{5}{8}$ statute mile	$\frac{3}{4}$ statute mile
06	$\frac{3}{4}$ statute mile	1 statute mile
08	1 statute mile	$1\frac{1}{4}$ statute miles
10	$1\frac{1}{4}$ statute miles	$1\frac{1}{2}$ statute miles
12	$1\frac{1}{2}$ statute miles	$1\frac{3}{4}$ statute miles
14	$1\frac{3}{4}$ statute miles	2 statute miles
16	2 statute miles	$2\frac{1}{4}$ statute miles
18	$2\frac{1}{4}$ statute miles	$2\frac{1}{2}$ statute miles
20	$2\frac{1}{2}$ 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, 0.2 kilometre , and in the higher values 12 statute miles, 10 nautical miles, 20 kilometres may also be considered equal).

Code for Visibility at Wilkes & Taylor

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
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)

— Not falling as shower(s) — During preceding hour, but not at time of observation

30 Slight or moderate duststorm or sandstorm — has decreased during the preceding hour
31 Slight or moderate duststorm or sandstorm — no appreciable change during the preceding hour
32 Slight or moderate duststorm or sandstorm — has increased during the preceding hour
33 Severe duststorm or sandstorm — has decreased during the preceding hour
34 Severe duststorm or sandstorm — no appreciable change during the preceding hour
35 Severe duststorm or sandstorm — 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	- thunderstorm during the preceding hour but not 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.
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).

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

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:

(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.

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, 1959.

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
02	989.9	27.5		17.8	-	-	8.6
05	990.4	27.8		16.2	5.4	4.2	9.1
08	990.2	29.3		16.7	5.3	3.8	10.8
11	989.9	30.8		17.9	5.7	3.2	11.2
14	989.6	31.4		19.9	5.7	3.2	11.5
17	989.6	30.7		21.2	5.3	3.0	9.4
20	989.4	29.8		21.0	5.7	2.9	8.2
23	989.5	28.4		20.0	5.5	2.8	8.1

Rain (pts)	Rain days (.01 in. or more)	Temperature °F								Sun-shine (hrs)	Anem. (Mls per hour)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.			
-	-	32.8	37.5	9	25.2	16.6	22	-	-	-	10.0	NE 41 9th, 26th

FEBRUARY, 1959.

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
02	983.7	23.8		13.5	6.7	5.6	8.0
05	983.9	23.3		13.1	6.5	5.5	8.1
08	983.9	25.1		12.6	6.7	5.7	11.5
11	983.6	26.6		12.9	6.4	5.1	13.0
14	983.3	26.9		14.1	6.3	4.7	10.7
17	983.0	26.7		14.8	6.0	4.2	9.0
20	983.1	25.9		14.8	6.3	4.7	8.4
23	983.3	24.5		14.0	6.4	5.1	7.6

Rain (pts)	Rain days (.01 in. or more)	Temperature °F								Sun-shine (hrs)	Anem. (mls per hour)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.			
-	-	28.0	36.4	12	21.9	12.3	27	-	-	-	11.4	NE 83 10th

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

MARCH, 1959.

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
02	986.2	21.2		7.6	5.4	4.7	14.6
05	986.2	20.6		6.9	5.9	4.7	14.5
08	986.2	21.7		7.7	6.1	3.5	13.9
11	986.1	24.2		9.1	5.8	3.3	13.7
14	986.3	25.2		10.8	5.8	3.8	12.4
17	986.5	24.5		11.0	5.6	3.8	12.5
20	986.6	22.6		9.4	5.5	4.6	12.9
23	986.7	21.4		7.4	5.0	4.4	14.7

Rain (pts)	Rain days (.01 in. or more)	Temperature °F							Sun-shine (hrs)	Anem. (Mls per hour)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.			
-	-	26.0	36.8	15	18.1	06.6	31	-	-	-	15.1	NE 69 14th

APRIL, 1959.

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	10.6		0.9	4.5	3.5	8.1
05	988.5	10.8		0.5	4.7	3.8	7.7
08	988.4	10.3		1.2	5.1	3.2	8.3
11	988.8	11.4		2.1	5.0	3.0	8.2
14	988.9	12.2		2.5	5.6	3.5	8.0
17	989.0	11.4		2.0	5.9	4.1	7.9
20	988.7	10.7		2.5	4.8	3.4	7.6
23	988.3	10.5		2.2	4.7	3.3	7.8

Rain (pts)	Rain days (.01 in. or more)	Temperature °F							Sun-shine (hrs)	Anem. (mls per hour)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.			
-	-	15.0	29.8	04	6.3	-08.1	30	-	-	-	9.7	N 56 15th

DAVIS

Latitude 68° 35'S

Longitude 77° 58'E

Height above M.S.L. 40 ft.

MAY, 1959.

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
02	987.1	8.8		-0.4	5.4	5.0	11.5
05	987.2	8.2		-0.6	5.0	4.7	11.3
08	987.4	8.4		-0.3	5.5	4.7	9.7
11	987.1	8.6		0.8	5.5	4.2	10.7
14	987.0	9.2		1.1	5.7	4.4	12.3
17	987.2	9.4		1.2	5.6	4.6	11.2
20	987.0	8.8		0.2	4.2	3.6	13.7
23	987.2	8.5		0.0	4.0	3.5	12.0

Rain (pts)	Rain days (.01 in. or more)	Temperature °F							Sun-shine (hrs)	Anem. (Mls per hour)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.			
-	-	13.3	32.0	22	2.0	-19.8	17	-	-	-	12.6	ENE 87 22nd

JUNE, 1959.

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
02	993.8	1.6		-9.6	2.7	2.2	7.4
05	993.8	1.3		-9.5	2.5	2.4	6.0
08	993.9	1.4		-9.2	3.3	2.8	6.4
11	994.1	0.9		-9.7	4.0	3.2	6.7
14	994.1	1.5		-9.2	4.1	3.4	6.3
17	993.9	1.5		-9.2	3.8	3.3	6.2
20	993.7	2.4		-8.7	3.6	3.0	5.2
23	993.4	2.0		-9.2	3.0	2.8	5.9

Rain (pts)	Rain days (.01 in. or more)	Temperature °F							Sun-shine (hrs)	Anem. (mls per hour)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.			
-	-	8.0	23.5	4	-4.3	-16.8	28	-	-	-	8.7	ENE 58 22nd

DAVIS
Latitude 68° 35'S

Longitude 77° 58'E

Height above M.S.L. 40 ft.

JULY, 1959.

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
02	987.2	0.6		-9.9	3.8	3.4	9.0
05	987.3	0.3		-9.9	4.1	3.7	9.3
08	987.4	0.5		-9.8	4.6	4.2	8.4
11	987.4	0.3		-10.9	4.8	3.4	8.2
14	987.3	0.9		-10.6	5.4	4.0	8.9
17	987.5	1.0		-10.3	4.7	3.4	9.2
20	987.7	0.7		-9.4	3.7	3.0	9.1
23	987.5	1.3		-9.1	4.1	3.6	7.7

Rain (pts)	Rain days (.01 in. or more)	Temperature °F							Sunshine (hrs)	Anem. (Mls per hour)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.			
-	-	6.3	24.3	31	-5.3	-26.2	24	-	-	-	10.0	E 68 28th

AUGUST, 1959.

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
02	989.9	1.7		-11.4	3.6	2.0	8.9
05	989.9	0.5		-12.3	3.5	2.0	7.9
08	990.0	0.8		-11.6	4.5	2.7	7.6
11	989.9	2.7		-10.7	4.8	2.2	6.9
14	989.7	3.7		-10.0	4.7	2.2	6.4
17	989.9	2.6		-10.8	4.8	2.3	6.5
20	989.7	1.4		-12.0	4.2	2.6	6.7
23	989.4	0.8		-12.2	4.1	2.4	6.9

Rain (pts)	Rain days (.01 in. or more)	Temperature °F							Sunshine (hrs)	Anem. (mls per hour)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.			
-	-	6.7	24.1	1	-3.6	-26.2	30	-	-	3.0	10.1	ENE 58 17th

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

SEPTEMBER, 1959.

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	-4.8		-14.9	4.5	4.2	10.3
05	982.4	-5.0		-14.8	4.9	4.0	11.4
08	982.8	-4.8		-14.4	5.5	4.4	10.6
11	982.8	-2.6		-12.8	5.7	4.7	9.5
14	982.6	-0.8		-10.9	5.4	3.4	12.2
17	982.4	-1.7		-12.0	5.9	4.0	10.4
20	982.5	-3.0		-13.3	5.6	4.3	13.0
23	982.5	-3.6		-13.7	4.7	3.9	11.3

Rain (pts)	Rain days (.01 in. or more)	Temperature °F							Sun-shine (hrs)	Anem. (Mls per hour)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.			
-	-	2.7	21.0	28	-10.6	-29.8	5	-	-	3.0	13.6	ENE 78 10th

OCTOBER, 1959.

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
02	983.2	8.9		-2.6	5.3	3.5	7.9
05	983.2	9.3		-1.4	5.6	3.3	8.8
08	983.2	12.3		-0.4	5.6	3.5	9.9
11	983.3	14.7		1.0	5.5	3.2	11.3
14	983.2	15.2		2.5	5.4	2.5	9.6
17	983.0	14.5		1.8	5.5	2.8	9.4
20	983.0	11.5		0.4	5.5	2.6	6.8
23	983.1	10.7		-1.5	5.4	3.2	7.5

Rain (pts)	Rain days (.01 in. or more)	Temperature °F							Sun-shine (hrs)	Anem. (mls per hour)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.			
-	-	16.5	28.0	21	6.1	-03.6	4	-	-	4.4	11.2	ENE 71 10th

DAVIS

Latitude 68° 35'S

Longitude 77° 58'E

Height above M.S.L. 40 ft.

NOVEMBER, 1959.

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
02	977.9	17.9		3.5	5.2	1.1	11.7
05	977.7	18.7		3.5	5.2	1.0	12.9
08	977.5	21.0		5.5	5.4	1.0	13.5
11	977.5	22.9		8.5	5.0	1.0	12.9
14	977.5	23.7		10.4	5.2	1.0	12.8
17	977.4	23.7		12.1	4.7	0.9	12.1
20	977.4	22.7		11.1	4.9	1.2	12.3
23	977.5	20.5		7.6	4.7	1.1	10.5

Rain (pts)	Rain days (.01 in. or more)	Temperature °F							Sun-shine (hrs)	Anem. (Mls per hour)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.			
-	-	25.3	31.7	22	16.5	05.0	10	-	-	9.6	14.1	ENE 76 21st

DECEMBER, 1959.

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
02	990.1	29.4		19.3	5.0	2.6	8.9
05	990.3	30.4		18.0	5.2	3.4	10.2
08	990.2	31.9		19.0	5.0	3.0	13.5
11	990.1	33.0		20.1	4.9	3.0	13.8
14	990.3	33.1		21.7	5.0	2.9	11.9
17	990.0	32.9		22.0	5.1	2.6	11.4
20	989.8	31.5		23.2	4.8	3.0	8.2
23	989.8	30.5		22.0	4.6	2.9	7.7

Rain (pts)	Rain days (.01 in. or more)	Temperature °F							Sun-shine (hrs)	Anem. (mls per hour)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.			
-	-	34.6	45.0	23	28.1	19.1	2	-	-	10.5	12.5	NE 86 19th

MACQUARIE IS.

Latitude 54° 30'S

Longitude 158° 57'E

Height above M.S.L. 20 ft.

JANUARY, 1959.

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
01	1002.7	43.1	41.5	39.3	5.9	5.4	13.5
04	1002.1	42.7	41.5	39.7	6.4	5.5	13.7
07	1002.1	43.3	41.8	39.8	6.7	6.1	14.0
10	1002.8	44.5	42.9	40.5	6.4	5.9	14.7
13	1003.1	45.6	43.3	40.3	5.9	4.8	14.5
16	1002.9	45.6	43.4	40.0	6.2	5.3	15.8
19	1003.2	44.0	42.4	40.1	6.7	5.8	15.0
22	1003.3	43.5	41.9	39.7	7.0	6.6	15.0

Rain (pts)	Rain days (.01 in. or more)	Temperature °F							Sun-shine (hrs)	Anem. (Mls per hour)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.			
319	27	47.4	51.5	20	40.5	35.3	31	-	-	-	14.0	SW 63 4th

FEBRUARY, 1959.

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
01	995.8	43.0	42.1	41.1	7.0	6.8	17.4
04	995.4	42.6	41.6	40.4	7.0	6.4	18.2
07	996.0	43.0	41.8	40.0	6.8	6.2	17.6
10	996.1	44.1	42.7	41.0	7.0	5.7	17.8
13	995.9	44.6	43.1	40.9	6.5	6.0	18.8
16	995.8	44.5	43.0	40.7	7.0	6.4	18.8
19	995.6	43.6	42.3	40.4	7.0	6.1	18.3
22	996.4	43.0	41.8	40.1	7.0	6.3	17.6

Rain (pts)	Rain days (.01 in. or more)	Temperature °F							Sun-shine (hrs)	Anem. (mls per hour)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.			
503	26	45.9	50.4	15, 16	39.3	33.3	20, 21	37.9	31.8	20, 21	-	17.1	SW 63 19th

MACQUARIE IS.
Latitude 54° 30'S
Longitude 158° 57'E
Height above M.S.L. 20 ft.

MARCH, 1959.

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
01	998.6	41.5	40.5	39.1	7.0	6.4	17.4
04	998.7	41.6	40.9	39.9	6.5	6.3	17.3
07	999.2	41.6	40.7	39.5	6.8	6.6	15.7
10	999.8	42.4	41.1	39.1	7.1	6.7	17.9
13	999.2	42.5	41.1	39.0	7.1	6.4	19.4
16	998.8	42.4	41.3	39.8	7.3	6.4	19.6
19	998.9	41.9	40.9	39.5	7.1	6.3	18.7
22	999.4	41.7	40.7	39.4	6.7	6.3	17.2

Rain (pts)	Rain days (.01 in. or more)	Temperature °F								Sunshine (hrs)	Anem. (Mls per hour)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.			
435	29	44.7	47.5	8, 10, 13	37.5	80.3	17	35.2	28.6	16, 17	-	17.8	SW 63 19th

APRIL, 1959.

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
01	1003.3	41.1	40.2	38.8	6.9	6.7	15.9
04	1002.7	41.2	40.4	39.3	7.2	6.6	14.1
07	1002.5	41.2	40.4	39.2	7.2	6.4	15.6
10	1002.5	41.8	40.7	39.2	7.0	6.1	17.6
13	1002.2	42.1	41.1	39.5	7.1	6.4	17.8
16	1002.1	41.8	40.8	39.4	7.0	6.0	18.0
19	1002.2	41.1	40.2	38.9	6.7	6.1	16.4
22	1002.2	41.0	40.3	39.1	6.9	6.6	15.1

Rain (pts)	Rain days (.01 in. or more)	Temperature °F								Sunshine (hrs)	Anem. (mls per hour)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.			
257	25	44.3	46.8	9, 14	37.9	31.2	29	35.7	27.0	29	-	17.7	W 92 30th

MACQUARIE IS.

Latitude 54° 30'S

Longitude 158° 57'E

Height above M.S.L. 20 ft.

MAY, 1959.

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
01	1001.8	37.3	36.0	33.8	6.1	5.9	15.5
04	1001.0	37.7	36.8	35.1	6.6	6.4	15.8
07	1000.6	37.9	37.0	35.5	6.8	6.7	16.0
10	1000.5	37.7	36.8	35.0	6.9	6.3	16.4
13	1001.1	37.5	36.5	34.7	6.8	6.4	17.2
16	1002.0	37.0	35.9	33.9	7.2	6.3	16.0
19	1003.0	36.8	35.6	33.5	6.8	6.3	13.9
22	1003.5	37.1	35.9	33.5	6.2	5.7	14.0

Rain (pts)	Rain days (.01 in. or more)	Temperature °F									Sunshine (hrs)	Anem. (Mls per hour)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.				
295	29	40.1	45.0	12	33.2	19.8	22	30.2	19.8	22, 24, 25	-	15.9	S 83 12th

JUNE, 1959.

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
01	998.7	38.0	37.1	35.7	7.1	6.9	17.9
04	998.1	37.9	37.2	35.7	7.3	7.1	18.5
07	997.6	38.7	37.8	36.2	6.8	6.7	20.3
10	998.3	38.4	37.6	36.1	7.1	6.6	19.4
13	997.7	38.8	37.8	36.3	7.3	7.1	19.2
16	997.8	38.0	36.9	34.8	7.3	7.3	20.2
19	998.0	37.9	36.8	34.9	6.9	6.8	19.1
22	998.2	37.8	37.0	35.4	7.1	6.8	18.1

Rain (pts)	Rain days (.01 in. or more)	Temperature °F									Sunshine (hrs)	Anem. (mls per hour)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.				
357	29	41.1	45.7	19	33.3	23.8	15	30.7	17.8	15	-	18.6	SW 76 27th

MACQUARIE IS.
Latitude 54° 30'S
Longitude 158° 57'E
Height above M.S.L. 20 ft.

JULY, 1959.

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
01	998.2	37.4	36.4	34.6	6.5	6.1	15.9
04	998.2	37.3	36.5	34.9	6.4	6.3	16.3
07	999.0	37.1	36.1	34.4	6.8	6.8	15.5
10	999.2	37.5	36.4	34.7	6.8	6.0	15.2
13	998.1	38.0	37.1	35.6	6.9	6.2	16.3
16	997.7	37.7	36.5	34.6	6.8	5.8	17.8
19	997.9	37.5	36.4	34.8	5.8	5.5	16.0
22	997.9	37.5	36.5	35.1	6.2	6.0	14.5

Rain (pts)	Rain days (.01 in. or more)	Temperature °F								Sun-shine (hrs)	Anem. (Mls per hour)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.			
234	28	40.0	42.8	18	33.4	16.8	8	31.3	16.2	8	-	16.5	SW 82 7th

AUGUST, 1959.

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
01	995.0	38.6	37.7	36.3	7.0	6.5	22.0
04	994.8	39.0	38.0	36.6	7.2	6.8	22.2
07	995.4	38.7	37.6	35.8	6.6	6.5	21.0
10	996.4	38.9	37.9	36.2	7.1	6.3	20.6
13	996.5	39.3	38.2	36.5	7.2	6.1	19.6
16	996.4	39.2	38.1	36.3	6.9	6.4	20.1
19	996.4	38.8	37.9	36.5	6.6	6.2	21.5
22	996.5	38.9	38.1	36.7	7.1	6.6	21.5

Rain (pts)	Rain days (.01 in. or more)	Temperature °F								Sun-shine (hrs)	Anem. (mls per hour)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.			
339	31	41.4	45.0	30	34.6	27.3	22	32.9	26.3	22	-	18.9	WSW 85 28th

MACQUARIE IS.
Latitude 54° 30'S

Longitude 158° 57'E

Height above M.S.L. 20 ft.

SEPTEMBER, 1959.

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
01	997.6	38.8	37.4	35.2	6.1	5.9	25.2
04	996.7	39.0	37.4	35.1	6.4	6.1	26.9
07	997.3	38.5	37.0	34.8	6.6	6.0	24.7
10	998.0	39.2	37.4	34.3	6.1	4.8	24.6
13	997.5	40.3	38.2	34.9	6.2	5.1	24.2
16	996.9	40.0	38.1	34.9	6.4	5.5	24.6
19	996.4	39.5	38.0	35.5	6.5	5.7	22.8
22	996.2	39.0	37.9	36.0	7.1	6.3	24.3

Rain (pts)	Rain days (.01 in. or more)	Temperature °F								Sunshine (hrs)	Anem. (Mls per hour)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.			
269	27	41.8	44.3	5, 11	33.9	22.0	12	31.9	22.0	12	-	24.1	W 86 6th

OCTOBER, 1959.

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
01	1001.7	38.7	37.5	35.4	6.6	6.1	23.5
04	1001.5	38.4	37.2	35.2	7.2	7.2	20.5
07	1001.6	38.7	37.6	35.9	7.1	6.7	20.0
10	1001.7	39.7	38.5	36.3	7.1	6.5	20.4
13	1001.6	39.9	38.2	35.7	7.2	6.5	22.4
16	1001.7	39.5	38.0	35.5	7.0	6.6	21.1
19	1002.4	38.8	37.3	34.7	6.7	6.5	21.6
22	1002.9	38.7	37.3	35.0	6.8	6.7	21.3

Rain (pts)	Rain days (.01 in. or more)	Temperature °F								Sunshine (hrs)	Anem. (mls per hour)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.			
165	26	41.3	44.8	16	35.7	29.0	3, 4	34.0	26.8	3, 4	-	19.7	WNW 69 25th

MACQUARIE IS.
Latitude 54° 30'S

Longitude 158° 57'E

Height above M.S.L. 20 ft.

NOVEMBER, 1959.

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
01	994.0	39.2	37.7	35.0	6.7	6.2	18.9
04	994.8	38.6	37.0	34.4	7.1	6.7	18.2
07	995.7	39.3	37.6	34.6	7.3	6.5	17.2
10	995.8	40.0	38.5	36.0	7.3	6.6	17.9
13	995.3	40.9	38.9	35.7	7.0	5.8	19.2
16	994.7	40.7	38.8	35.9	7.0	6.5	20.0
19	994.5	39.9	38.3	35.7	7.0	6.4	18.0
22	994.5	39.1	37.9	35.7	7.1	6.8	19.3

Rain (pts)	Rain days (.01 in. or more)	Temperature °F									Sunshine (hrs)	Anem. (Mls per hour)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.				
297	26	42.4	45.8	4	35.7	28.4	9	33.6	25.2	10	-	17.8	W 76 23rd

DECEMBER, 1959.

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
01	1009.3	41.9	40.6	38.5	7.4	7.3	11.5
04	1009.0	41.6	40.3	38.4	7.5	6.7	12.8
07	1009.7	42.3	41.0	39.0	7.6	6.8	11.9
10	1009.9	43.5	41.9	39.3	7.1	6.4	10.4
13	1009.6	44.3	42.6	39.8	7.3	6.4	13.2
16	1009.5	44.0	42.0	38.9	7.1	6.5	12.1
19	1009.2	43.1	41.2	38.0	7.0	6.6	10.9
22	1009.4	42.6	41.3	39.3	7.5	7.0	10.8

Rain (pts)	Rain days (.01 in. or more)	Temperature °F									Sunshine (hrs)	Anem. (mls per hour)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.				
63	21	45.7	52.4	26	39.2	31.6	8, 30	38.2	31.8	1, 2, 7, 8, 30	-	12.1	N 61 19th

MAWSON

Latitude 67° 36'S

Longitude 62° 53'E

Height above M.S.L. 27 ft.

JANUARY, 1959.

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
02	989.7	26.8		18.2	4.9	2.9	20.7
05	989.6	26.0		16.8	5.3	2.9	21.7
08	989.6	27.6		18.2	5.3	3.1	20.9
11	989.3	30.5		18.1	5.6	3.0	18.2
14	989.5	31.8		19.7	5.1	2.8	16.2
17	989.5	31.6		21.0	5.1	2.7	15.2
20	989.4	30.9		21.7	5.2	2.7	12.7
23	989.4	29.2		21.2	5.7	3.1	15.9

Rain (pts)	Rain days (.01 in. or more)	Temperature °F								Sunshine (hrs)	Anem. (Mls per hour)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.			
52	7	32.9	39.8	14	24.9	17.6	24	-	-	7.3	16.7	ESE 65 30th

FEBRUARY, 1959.

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
02	986.2	19.4		4.4	4.2	2.5	22.8
05	985.8	18.6		3.2	4.5	2.4	22.4
08	985.7	19.9		4.3	4.4	2.3	23.0
11	985.6	23.5		7.1	3.9	2.0	19.5
14	985.6	26.6		9.5	3.7	2.3	14.0
17	985.8	26.4		9.4	4.0	2.1	11.6
20	986.1	24.5		8.4	4.2	2.5	12.5
23	986.5	20.4		4.8	3.9	2.9	19.0

Rain (pts)	Rain days (.01 in. or more)	Temperature °F								Sunshine (hrs)	Anem. (mls per hour)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.			
01	1	27.6	37.4	13	16.9	07.5	28	-	-	9.5	19.3	SE 66 10th

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

MARCH, 1959.

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
02	987.3	18.2		8.3	5.0	4.6	26.1
05	986.8	17.3		7.4	5.1	4.3	27.1
08	986.4	17.9		6.9	5.2	4.2	27.9
11	986.1	20.0		9.5	5.5	4.1	27.8
14	986.1	21.8		10.7	5.7	3.7	24.8
17	986.4	21.9		11.2	5.4	3.2	24.4
20	986.8	20.1		10.3	5.6	4.1	24.8
23	987.0	19.0		9.3	4.9	4.7	26.4

Rain (pts)	Rain days (.01 in. or more)	Temperature °F								Sunshine (hrs)	Anem. (Mls per hour)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.			
00	-	23.2	33.1	16	15.3	03.9	9	-	-	3.7	26.8	ESE 100 15th

APRIL, 1959.

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
02	994.2	7.2		-5.6	2.8	2.1	19.5
05	994.1	7.0		-7.6	3.1	2.4	20.4
08	993.7	7.4		-7.7	4.0	2.9	19.4
11	993.7	8.9		-6.3	4.1	2.7	17.6
14	993.9	11.0		-5.3	3.9	2.4	14.8
17	994.0	9.4		-5.7	3.8	2.6	15.1
20	994.2	7.5		-7.1	3.4	2.2	16.5
23	994.5	7.0		-7.7	2.7	2.0	17.0

Rain (pts)	Rain days (.01 in. or more)	Temperature °F								Sunshine (hrs)	Anem. (mls per hour)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.			
00	-	13.0	31.5	2	3.5	-10.3	19	-	-	4.7	19.1	S 72 2nd

MAWSON
Latitude 67° 36'S

Longitude 62° 53'E

Height above M.S.L. 27 ft.

MAY, 1959.

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
02	990.4	5.7		-10.4	2.3	1.9	23.1
05	990.4	5.4		-10.2	3.2	2.8	23.6
08	990.3	6.6		-10.5	4.1	3.3	23.1
11	990.5	6.6		-10.7	4.3	3.3	24.6
14	990.6	6.4		-10.0	4.2	2.8	22.4
17	990.9	5.6		-10.0	3.7	3.0	22.0
20	991.1	5.9		-10.2	3.2	2.1	24.4
23	991.3	5.9		-10.2	2.1	1.6	25.7

Rain (pts)	Rain days (.01 in. or more)	Temperature °F							Sun-shine (hrs)	Anem. (Mls per hour)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.			
00	-	11.5	26.5	23	0.6	-13.4	11	-	-	2.0	23.3	ESE 73 21st, 22nd

JUNE, 1959.

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
02	996.3	4.3		-10.4	2.6	2.3	19.7
05	996.2	4.3		-10.7	3.0	2.5	19.6
08	996.1	4.1		-10.8	2.9	2.6	20.5
11	996.4	3.5		-11.3	4.2	3.0	18.7
14	996.3	3.3		-11.1	4.9	3.0	17.4
17	996.2	3.0		-11.3	4.1	3.0	17.5
20	995.8	3.6		-10.6	3.1	2.5	17.5
23	995.6	4.2		-10.1	2.5	2.1	19.3

Rain (pts)	Rain days (.01 in. or more)	Temperature °F							Sun-shine (hrs)	Anem. (mls per hour)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.			
00	-	9.0	21.6	8	-0.9	-13.6	26	-	-	0.1	20.1	E 67 15th

MAWSON

Latitude 67° 36'S

Longitude 62° 53'E

Height above M.S.L. 27ft.

JULY, 1959.

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
02	987.8	1.1		-12.8	3.7	2.8	26.3
05	987.7	0.8		-13.2	4.0	3.3	26.7
08	987.9	0.4		-13.2	3.9	3.0	24.7
11	988.4	1.2		-12.5	5.4	2.7	22.2
14	988.4	1.5		-12.5	5.5	2.7	23.1
17	988.6	1.4		-12.4	5.2	3.0	22.7
20	988.5	0.6		-13.2	4.6	2.7	24.2
23	988.2	1.4		-12.5	4.2	2.9	26.0

Rain (pts)	Rain days (.01 in. or more)	Temperature °F						Sun-shine (hrs)	Anem. (Mls per hour)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.			
00	-	5.5	19.6	10	-3.3	-19.0	19	-	-	0.6	25.2	ESE 108 28th

AUGUST, 1959.

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
02	991.5	2.0		-15.5	4.4	3.3	22.2
05	991.4	2.0		-14.8	4.8	3.5	23.4
08	991.4	2.2		-14.8	4.6	3.3	19.8
11	991.6	2.4		-14.5	5.2	2.4	20.2
14	991.6	3.7		-13.8	5.2	1.7	18.3
17	991.6	2.4		-14.5	4.6	2.2	20.6
20	991.4	1.3		-15.7	4.2	2.5	22.5
23	991.5	1.3		-15.9	4.0	3.1	22.2

Rain (pts)	Rain days (.01 in. or more)	Temperature °F						Sun-shine (hrs)	Anem. (mls per hour)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.			
00	-	6.5	25.8	3	-2.5	-19.5	31	-	-	3.0	23.9	ESE 91 17th

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

SEPTEMBER, 1959.

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
02	981.9	-5.2		-15.3	3.8	2.8	26.1
05	981.6	-5.4		-15.5	4.4	3.0	27.6
08	981.7	-5.5		-15.5	5.2	3.3	27.0
11	981.4	-3.0		-13.0	4.6	2.6	26.9
14	981.2	-0.9		-11.1	5.3	3.2	25.5
17	981.9	-1.9		-12.0	5.0	2.9	25.6
20	982.4	-3.5		-13.1	5.0	3.4	23.8
23	982.7	-4.0		-13.9	4.0	3.0	25.8

Rain (pts)	Rain days (.01 in. or more)	Temperature °F							Sunshine (hrs)	Anem. (Mls per hour)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.			
00	-	0.9	21.1	29	-9.0	-28.2	4	-	-	3.4	27.7	SE 93 27th

OCTOBER, 1959.

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
02	985.3	7.4		-9.2	3.9	2.5	21.9
05	985.2	6.9		-10.1	4.7	2.4	19.3
08	985.2	8.9		-9.2	4.7	2.9	21.9
11	985.3	11.7		-6.4	4.2	2.6	17.5
14	985.2	13.8		-4.5	4.3	2.1	14.0
17	985.3	13.4		-4.0	4.5	2.4	13.1
20	985.2	10.3		-5.7	4.9	2.8	14.5
23	985.1	8.2		-8.2	4.4	2.9	19.0

Rain (pts)	Rain days (.01 in. or more)	Temperature °F							Sunshine (hrs)	Anem. (mls per hour)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.			
00	0	15.0	25.4	14	4.2	-07.0	4	-	-	7.7	20.5	SE 89 10th

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

NOVEMBER, 1959.

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
02	980.1	15.0		0.4	4.9	3.5	20.8
05	979.9	14.7		-0.6	5.1	3.4	22.5
08	980.0	17.8		1.0	5.2	2.9	19.2
11	980.0	21.8		4.9	5.3	3.0	14.9
14	980.2	23.9		6.5	5.3	3.6	11.6
17	980.0	23.8		7.8	5.5	3.6	9.0
20	980.0	21.2		6.7	5.4	3.4	9.2
23	979.9	17.5		3.8	5.1	4.0	15.4

Rain (pts)	Rain days (.01 in. or more)	Temperature °F							Sun-shine (hrs)	Anem. (Mls per hour)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.			
-	-	25.0	30.5	24	13.4	6.5	4	-	-	8.7	17.8	SE 64 19th

DECEMBER, 1959.

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
02	989.6	27.5		15.9	4.7	2.9	19.7
05	989.3	27.5		14.5	5.5	2.9	21.5
08	989.2	29.5		15.8	5.6	2.4	20.8
11	989.2	33.3		19.7	5.8	2.7	16.8
14	989.2	34.8		21.4	5.3	2.2	13.9
17	989.1	34.5		22.3	5.3	2.1	11.9
20	989.1	32.7		21.6	5.0	1.5	11.6
23	989.2	30.4		19.1	5.0	2.9	16.7

Rain (pts)	Rain days (.01 in. or more)	Temperature °F							Sun-shine (hrs)	Anem. (mls per hour)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.			
00	-	36.0	42.1	22	26.8	19.9	3	-	-	8.2	19.1	SSE 75 31st

WILKES
Latitude 66° 16'S

Longitude 110° 34'E

Height above M.S.L. 40ft.

FEBRUARY, 1959.*

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
00	981.4	25.3	23.1	18.1	6.4	5.8	9.1
03	981.3	27.5	25.1	19.9	5.8	5.4	9.0
06	981.2	28.3	25.8	20.5	5.5	4.1	8.6
09	981.1	27.9	25.4	20.4	5.7	4.0	9.3
12	981.6	26.6	24.4	19.7	5.9	4.3	8.1
15	981.6	24.1	22.2	17.5	4.9	3.3	8.9
18	981.5	22.8	20.9	16.3	4.8	3.9	9.1
21	981.6	22.9	21.1	16.7	5.8	4.2	8.5

Rain (pts)	Rain days (.01 in. or more)	Temperature °F							Sun-shine (hrs)	Anem. (Mls per hour)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.			
38	-	30.2	37	4	20.1	+7	28	-	-	5.8	8.7	ENE 64 8th

MARCH, 1959.

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
00	985.3	15.6	13.9	7.7	5.1	2.8	10.5
03	985.1	18.0	16.2	10.3	5.5	2.9	12.5
06	984.9	19.5	17.5	11.2	6.1	3.7	11.3
09	984.9	19.6	17.7	11.3	5.3	3.8	10.5
12	985.0	17.0	15.5	10.0	5.0	4.1	11.1
15	984.8	15.8	14.4	8.4	3.8	3.5	10.4
18	984.5	15.4	13.8	8.0	3.3	2.7	10.7
21	984.6	14.4	13.1	7.7	3.7	3.0	10.9

Rain (pts)	Rain days (.01 in. or more)	Temperature °F							Sun-shine (hrs)	Anem. (mls per hour)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.			
315	-	23.2	35	20	7.3	4	28, 29	-	-	4.8	-	E 88 9th

* Wilkes data not available for January, 1959.

WILKES

Latitude 66° 16'S

Longitude 110° 34'E

Height above M.S.L. 40ft.

APRIL, 1959.

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
00	983.9	15.9	14.5	8.3	6.4	4.7	8.9
03	984.1	17.0	16.2	10.2	6.6	3.5	9.3
06	983.9	18.6	16.9	10.8	6.5	4.0	11.0
09	983.2	16.3	14.8	8.4	6.1	3.5	9.6
12	984.1	16.7	15.4	9.3	5.2	3.3	10.9
15	983.9	15.9	14.5	9.1	5.5	4.0	10.4
18	983.8	15.3	13.8	7.4	5.3	4.3	9.7
21	983.9	15.3	13.9	7.5	5.0	4.3	7.7

Rain (pts)	Rain days (.01 in. or more)	Temperature °F								Sun-shine (hrs)	Anem. (Mls per hour)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.			
45	-	22.6	38	9	9.7	-9	16	-	-	1.9	10.3	NE 58 2nd

MAY, 1959.

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
00	986.4	11.5	9.1	3.2	6.2	4.4	14.9
03	986.2	11.5	10.0	3.6	6.8	4.5	13.7
06	986.1	10.8	9.3	2.6	6.8	4.6	13.5
09	986.4	10.4	8.9	3.1	6.6	5.2	11.5
12	986.4	11.7	10.1	4.3	6.5	4.6	13.5
15	986.1	11.8	9.8	3.7	6.4	4.3	14.2
18	986.1	11.5	9.4	2.9	5.5	4.1	15.4
21	986.4	11.5	9.2	2.7	5.5	4.1	14.7

Rain (pts)	Rain days (.01 in. or more)	Temperature °F								Sun-shine (hrs)	Anem. (mls per hour)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.			
96	-	17.9	28	22	3.9	-24	11	-	-	0.8	15.9	E 82 24th

WILKES
Latitude 66° 16'S

Longitude 110° 34'E

Height above M.S.L. 40 ft.

JUNE, 1959.

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
00	986.5	4.8	3.1	-3.3	5.1	3.0	12.7
03	986.3	4.6	3.0	-3.8	5.8	3.2	15.7
06	985.7	5.1	3.0	-4.1	5.0	3.0	17.6
09	985.4	5.1	2.6	-4.3	4.9	3.0	20.9
12	985.6	5.6	1.6	-6.2	4.9	3.3	17.3
15	985.8	5.4	3.4	-3.0	4.2	2.9	16.8
18	986.0	4.7	3.3	-4.2	3.4	2.0	16.5
21	985.9	5.2	2.7	-4.7	3.5	1.8	16.9

Rain (pts)	Rain days (.01 in. or more)	Temperature °F							Sun-shine (hrs)	Anem. (Mls per hour)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.			
171	-	11.9	27	3	-1.7	-20	14, 15	-	-	0.2	17.7	E 114 on 25th

JULY, 1959.

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
00	984.7	6.1	5.1	-1.8	6.1	4.5	12.6
03	985.1	5.7	4.5	-2.7	7.1	5.4	12.5
06	985.0	6.5	5.3	-1.7	7.1	5.0	11.1
09	985.2	5.0	4.3	-2.0	6.1	4.6	10.8
12	985.6	5.2	3.6	-3.8	5.2	2.9	11.3
15	985.4	5.2	4.2	-4.2	5.9	4.1	10.8
18	985.6	5.9	5.1	-2.4	5.6	3.7	11.6
21	985.8	5.6	4.8	-2.8	6.0	3.6	11.6

Rain (pts)	Rain days (.01 in. or more)	Temperature °F							Sun-shine (hrs)	Anem. (mls per hour)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.			
51	-	12.9	28	1, 11	-1.3	-18	15, 28	-	-	0.5	-	E 94 12th

WILKES

Latitude 66° 16'S

Longitude 110° 34' E

Height above M.S.L. 40 ft.

AUGUST, 1959.

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
00	985.4	0.7	-0.1	-7.8	5.2	3.4	8.8
03	985.0	1.3	0.6	-6.2	5.4	2.3	10.4
06	984.9	2.4	1.6	-5.6	5.8	3.0	11.8
09	984.8	1.7	1.0	-5.5	5.5	2.9	8.5
12	984.6	0.0	-0.8	-7.2	3.9	2.1	9.6
15	984.3	0.2	-0.5	-7.9	4.6	2.1	8.5
18	983.8	0.3	-0.4	-8.4	4.6	2.3	10.9
21	984.0	-0.3	-1.0	-9.1	4.6	2.4	8.3

Rain (pts)	Rain days (.01 in. or more)	Temperature °F								Sunshine (hrs)	Anem. (Mls per hour)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.			
106	-	10.6	28	6	-7.5	-34	30	-	-	-	-	E 78 22nd

SEPTEMBER, 1959.

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
00	975.3	-9.0	-10.2	-17.1	5.7	4.3	12.3
03	975.6	-5.3	-6.3	-13.3	5.7	3.7	10.3
06	975.5	-4.4	-5.2	-12.7	5.9	3.6	9.7
09	975.9	-5.3	-5.6	-13.3	5.5	4.1	9.8
12	976.4	-8.1	-9.5	-16.5	5.1	3.2	11.2
15	976.3	-8.3	-9.3	-16.9	5.3	3.2	9.8
18	975.9	-8.7	-9.8	-17.4	5.1	3.2	10.6
21	976.0	-7.2	-8.4	-15.6	5.4	3.5	10.7

Rain (pts)	Rain days (.01 in. or more)	Temperature °F								Sunshine (hrs)	Anem. (mls per hour)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.			
24	-	0.4	22	30	-13.9	-32	9	-	-	-	-	E 71 29th

WILKES
Latitude 66° 16'S

Longitude 110° 34'E

Height above M.S.L. 40 ft.

OCTOBER, 1959.

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
00	979.2	13.6	12.0	5.7	7.1	4.8	14.1
03	979.4	17.1	15.4	8.6	6.9	4.4	12.2
06	979.6	18.8	17.1	10.0	6.8	4.5	10.4
09	979.8	17.8	16.2	9.4	6.7	4.3	10.3
12	979.9	14.9	13.7	7.5	6.5	3.5	12.0
15	979.4	13.6	12.3	6.0	6.7	4.8	15.7
18	978.6	12.4	10.6	4.5	6.3	4.6	15.9
21	979.0	12.0	10.4	4.2	7.3	5.0	15.1

Rain (pts)	Rain days (.01 in. or more)	Temperature °F							Sun-shine (hrs)	Anem. (Mls per hour)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.			
101	-	21.7	30	14	7.7	-5	17	-	-	-	-	E 120 3rd

NOVEMBER, 1959.

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
00	972.1	21.1	19.5	13.1	6.4	4.6	18.6
03	971.9	23.2	21.1	14.0	6.3	4.1	16.3
06	972.9	24.0	21.9	15.8	6.4	4.6	14.8
09	972.8	24.0	22.3	15.6	6.0	3.7	13.9
12	972.6	22.2	20.5	14.2	6.5	3.9	15.6
15	972.3	20.5	18.8	12.4	6.5	4.2	17.1
18	972.4	19.5	18.0	11.6	6.3	3.9	15.1
21	972.3	19.8	18.1	12.1	5.8	3.4	15.4

Rain (pts)	Rain days (.01 in. or more)	Temperature °F							Sun-shine (hrs)	Anem. (mls per hour)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.			
96	-	26.8	34	5, 6	16.5	6	23	-	-	-	-	E 100 3rd

WILKES
Latitude 66° 16'S
Longitude 110° 34'E
Height above M.S.L. 40 ft.

DECEMBER, 1959.

Hour	Mean Pressure (mb)	Mean Temperature °F			Mean Cloud (Eighths)		Mean Wind Spd (kts)
		Dry Bulb	Wet Bulb	Dew Point	Total	Low	
00	990.4	30.6	28.4	23.4	6.1	4.1	7.5
03	990.3	32.9	29.8	23.9	6.2	3.5	7.5
06	990.3	33.6	30.5	24.7	5.4	2.8	6.5
09	990.5	33.3	30.4	25.0	5.6	2.9	6.5
12	990.4	32.0	29.4	24.3	5.7	3.8	8.7
15	990.4	29.7	27.9	23.5	5.9	4.1	6.6
18	990.3	28.5	26.6	21.9	6.2	4.4	7.8
21	990.5	28.8	27.0	22.5	6.8	4.5	7.2

Rain (pts)	Rain days (.01 in. or more)	Temperature °F								Sun-shine (hrs)	Anem. (Mls per hour)	Max. Gust (kts)
		Mean Max.	Extr. Max.		Mean Min.	Extr. Min.		Mean Terr. Min.	Extr. Terr. Min.			
42	-	35.9	44	21	26.0	12	4	-	-	-	-	E 63 6th

FREQUENCY ANALYSES
DAVIS 1959

Station Level Pressure

Upper Limit Range mb	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
955					2		2				4		8
960		2			5		6				10		23
965		7		2	8		8		6	4	26		61
970		9	4	8	14		11	5	21	13	48		133
975	5	9	34	21	23	12	21	33	61	53	80		352
980	23	40	67	50	51	49	50	55	97	102	128	10	722
985	70	135	108	104	109	78	92	83	143	161	193	59	1335
990	157	206	153	152	146	102	145	122	176	190	227	136	1912
995	192	221	207	165	194	136	186	159	215	206	240	187	2308
1000	207	224	239	194	216	150	233	208	233	235	240	232	2611
1005	231	224	243	223	244	176	248	230	240	242	240	242	2783
1010	248	224	248	234	248	208	248	239	240	248	240	248	2873
1015	248	224	248	238	248	227	248	248	240	248	240	248	2905
1020	248	224	248	240	248	240	248	248	240	248	240	248	2920

Maximum Temperature

Upper Limit Range °F													
518							1		1				2
517					1		2	1	1				5
514					1		4	1	1				7
513					1		5	2	1				9
512					1		6	2	1				10
510					1		6	3	2				12
509					1		7	5	5				18
508					1		7	6	5				19
507					1		7	7	5				20
506					1		7	7	6				21
505					1	1	7	7	9				25
504					1	1	7	7	10				26
503					1	2	7	7	12				29
502					2	2	8	7	13				32
501				1	2	3	9	8	13				36
000				1	2	4	9	10	13				39
001				1	2	5	11	10	13				42
002				1	2	6	12	12	13				46
003				1	3	9	13	13	13				52
004				2	4	11	14	13	15	1			60
005				2	5	11	14	14	17	1			64
006				2	6	12	14	15	17	2			68
007				4	7	13	15	17	22	2			80
008				4	8	14	15	17	22	2			82
009				5	8	19	17	17	23	2			92
010				7	11	22	17	17	23	4			101
011				9	11	22	18	20	23	4			107
012				10	13	23	18	21	26	7			118
013				13	14	23	19	21	27	8			125
014				15	17	23	19	21	27	12			134
015			1	15	18	26	19	21	27	14			141
016			1	16	18	27	20	21	28	18			149
017			2	19	21	28	21	21	28	18			158
018			2	19	23	28	23	24	28	20	1		168
019			4	22	25	28	25	26	28	22	1		181
020			4	24	26	28	27	27	29	24	2		191
021			5	26	27	29	29	27	30	25	3		201
022			8	28	29	29	30	29	30	27	7		217
023		3	10	28	29	30	30	29	30	28	9		226
024		6	12	28	29	30	31	31	30	28	11		236
025	1	7	14	29	29	30	31	31	30	29	17		248
026	1	10	16	29	29	30	31	31	30	30	18		255
027	1	13	20	29	29	30	31	31	30	30	22	1	267
028	1	16	20	29	29	30	31	31	30	31	25	2	275
029	2	19	23	29	29	30	31	31	30	31	28	3	286
030	5	21	25	30	29	30	31	31	30	31	29	4	296
031	9	23	25	30	30	30	31	31	30	31	29	6	305
032	13	25	28	30	31	30	31	31	30	31	30	10	320
033	17	26	30	30	31	30	31	31	30	31	30	13	330
034	24	27	30	30	31	30	31	31	30	31	30	15	340
035	27	27	30	30	31	30	31	31	30	31	30	20	348
036	29	28	30	30	31	30	31	31	30	31	30	23	354
037	30	28	31	30	31	30	31	31	30	31	30	26	359
038	31	28	31	30	31	30	31	31	30	31	30	27	361
040	31	28	31	30	31	30	31	31	30	31	30	28	362
042	31	28	31	30	31	30	31	31	30	31	30	30	364
045	31	28	31	30	31	30	31	31	30	31	30	31	365

FREQUENCY ANALYSES
DAVIS 1959

Upper Limit Range °F	Minimum Temperature												
	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
530									1				1
527									2				2
526							2	1	2				5
524							2	2	3				7
523							3	3	4				10
522							4	3	4				11
521							4	4	6				14
520					1		5	4	6				16
519					2		6	4	6				18
518					2		7	4	8				21
517					2	1	7	4	11				25
516					2	1	8	6	12				29
515					2	2	10	6	12				32
514					2	3	11	6	13				35
513					2	4	11	7	14				38
512					2	5	11	7	15				40
511					2	7	13	9	18				49
510					2	11	14	9	18				54
509					3	11	14	12	20				58
508				1	3	11	14	10	20				59
507				2	4	12	15	13	20				66
506				3	4	13	15	13	20				68
505				4	4	16	15	15	22				76
504				4	4	17	15	17	22	1			80
503				4	7	20	18	17	22	1			89
502				4	11	22	18	18	22	3			98
501				5	13	22	19	18	23	5			105
000				6	15	23	19	20	23	5			111
001				7	15	24	22	22	25	7			122
002				9	16	24	23	23	25	8			128
003				9	19	26	23	23	26	10			136
004				12	20	26	23	24	27	12			144
005				13	21	27	25	24	28	15	1		154
006				15	21	27	25	24	28	16	2		158
007			2	17	21	27	25	24	29	17	2		164
008			3	19	23	27	25	24	29	20	2		172
009			5	21	25	27	26	24	29	22	3		182
010			5	22	25	28	28	26	29	23	3		189
011			6	23	28	28	28	28	29	23	3		196
012		1	6	23	28	28	28	29	30	29	3		205
013		1	7	23	28	29	28	29	30	29	4		208
014		1	9	25	28	30	28	29	30	30	6		216
015		3	13	26	30	30	29	29	30	30	11		231
016		4	14	27	30	30	30	29	30	31	13		238
017	2	4	16	28	30	30	30	29	30	31	16		246
018	3	5	17	29	31	30	30	30	30	31	20		256
019	3	10	18	29	31	30	30	31	30	31	24	1	268
020	3	10	18	30	31	30	30	31	30	31	27	1	272
021	3	12	20	30	31	30	30	31	30	31	28	1	277
022	4	16	22	30	31	30	30	31	30	31	28	2	285
023	7	18	23	30	31	30	31	31	30	31	29	2	293
024	7	19	25	30	31	30	31	31	30	31	30	4	299
025	13	22	26	30	31	30	31	31	30	31	30	5	310
026	19	24	26	30	31	30	31	31	30	31	30	10	323
027	26	25	28	30	31	30	31	31	30	31	30	15	338
028	29	26	30	30	31	30	31	31	30	31	30	15	344
029	29	27	31	30	31	30	31	31	30	31	30	20	351
030	31	27	31	30	31	30	31	31	30	31	30	23	356
031	31	28	31	30	31	30	31	31	30	31	30	26	360
032	31	28	31	30	31	30	31	31	30	31	30	29	363
033	31	28	31	30	31	30	31	31	30	31	30	30	364
034	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	1	1	2	2	8	5	6	3	1	1	2	33
20	16	10	8	14	11	18	17	18	13	18	8	15	166
30	24	19	15	20	16	23	22	23	15	24	20	21	242
40	29	23	17	27	21	27	24	27	20	27	24	25	291
50	31	25	22	28	25	29	28	27	25	29	29	29	326
60	31	26	28	30	27	30	29	31	28	30	29	29	348
70	31	26	31	30	29	30	31	31	29	30	29	29	356
80	31	26	31	30	29	30	31	31	30	31	30	30	360
90	31	27	31	30	31	30	31	31	30	31	30	31	364

Daily Duration of Sunshine

Upper Limit Range - Hours													
00					4	8	12	8	1	6			39
01					4	11	14	12	2	9			52
02					4	15	15	14	2	9			59
03					4	16	16	18	6	10			70
04					6	18	20	19	8	11			82
05					7	23	21	20	8	11			90
06					7	26	24	22	8	13			100
07					7	29	24	22	10	14			106
08					7	29	27	22	11	15			111
09					7	31	29	24	12	15			118
10					7	31	30	24	18	16			126
11					7	31	30	27	19	16			130
12					7	31	30	28	20	16			132
13					7	31	30	28	21	16			133
14					7	31	30	30	21	18			137
15					7	31	30	31	21	19			139
16					7	31	30	31	22	20			141
17					7	31	30	31	27	21			147
18					7	31	30	31	30	24			153
19					7	31	30	31	30	24			153
20					7	31	30	31	30	25			154
21					7	31	30	31	30	26			155
22					7	31	30	31	30	27			156
23					7	31	30	31	30	27			156
24					7	31	30	31	30	31			160

FREQUENCY ANALYSES
DAVIS 1959

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							1	3
	020				1					1							2	4
	021				1					1							3	5
	022				1					2							3	6
	023				2			2		2	1						4	11
	024				5			2		2	1						4	14
	025				5	1	1	2		3	1			1			5	19
	026				5	2	1	2		5	2		1	1			7	26
	027			1	6	5	5	4	3	9	3		1	1	2	1	13	54
	028			2	8	6	5	6	4	11	4		6	3	2	1	16	74
	029			3	9	8	9	6	4	16	9	3	13	5	5	4	24	118
	030		1	3	9	12	10	9	8	17	16	4	17	6	7	5	34	158
	031		1	3	10	13	12	10	9	19	21	6	21	8	11	6	39	189
	032		1	3	11	13	14	12	10	20	23	8	26	10	12	6	46	215
	033		1	3	11	14	14	12	10	20	27	9	26	12	13	9	55	236
	034		1	3	11	14	14	12	10	22	27	9	26	14	14	10	57	244
	035		1	3	11	14	14	12	10	23	28	9	26	15	14	10	57	247
	037		1	3	11	14	14	12	10	23	28	9	26	15	14	10	58	248
Feb.	013													1				1
	014												1	1				2
	015									1			1	1			1	4
	016									1			1	1	1		1	5
	017					1			1	1			2	1	1	1	2	10
	018					1		1	1	1	1		2	1	1	1	2	12
	019				2	4		1	1	1	1		2	1	1	1	4	19
	020				2	4		1	1	1	1		3	3	2	1	5	24
	021				3	5		1	2	1	1	1	3	4	2	1	10	34
	022		1		3	5	1	2	2	2	1	2	4	5	3	3	14	48
	023		1		4	5	2	3	2	5	4	4	4	7	12	4	20	77
	024		1		4	6	4	3	2	6	4	5	5	8	13	6	22	89
	025		3		4	7	7	6	2	6	5	7	6	12	14	7	34	120
	026		3		4	10	8	6	2	7	5	7	6	14	14	7	37	130
	027		3		6	10	8	10	3	9	5	7	6	20	15	8	49	159
	028		3		7	10	10	10	3	9	5	8	6	20	15	8	59	173
	029		3		8	11	10	10	4	12	8	9	7	20	15	8	65	190
	030		3		8	12	12	11	5	12	8	9	8	20	15	9	65	197
	031		3		11	12	13	13	6	12	9	11	9	20	16	9	66	210
	032		3		11	14	13	14	6	12	9	11	9	20	18	9	66	215
	033		3		11	14	13	14	7	13	10	12	10	20	18	9	66	220
	034		3		11	14	13	15	7	13	11	12	10	21	18	9	67	224
Mar.	007										1							1
	008										1						1	2
	009										1						3	4
	010										1			1	1		6	9
	011						1				1			1	1		8	12
	012						1				1			2	1		9	14
	013						1	1			1			2	1		13	19
	014						1	2			1			2	1		16	23
	015						1	2		1	1			2	3	1	25	36
	016						1	2		1	1			2	4	3	30	44
	017						1	2		1	1	2	1	2	6	4	39	59
	018						1	2	2	1	1	2	1	2	6	4	48	70
	019						1	2	2	1	1	3	1	2	6	6	54	79
	020					1	1	3	3	1	1	3	1	3	7	8	61	93
	021					2	2	3	3	1	2	3	1	4	7	9	63	100
	022					2	2	3	3	2	2	3	1	5	7	10	70	110
	023					2	3	3	4	2	2	3	1	6	10	10	76	122
	024	2			2	3	3	4	4	2	3	3	1	6	10	10	80	133
	025	2	1	1	2	5	5	4	4	4	5	5	2	7	12	10	96	165
	026	2	1	1	2	5	5	5	5	4	5	6	2	9	13	10	104	179
	027	2	2	1	3	5	5	5	7	5	6	6	2	10	14	10	107	190
	028	2	2	1	3	5	5	5	8	5	7	6	2	11	16	11	111	200
	029	2	2	1	3	5	6	6	11	5	8	6	2	12	16	11	114	210
	030	2	2	1	3	5	6	7	12	5	8	6	2	14	16	11	116	216
	031	2	2	1	3	5	6	7	13	6	10	6	4	15	16	13	122	231
	032	2	2	1	3	5	6	8	13	7	10	6	4	16	17	16	127	243
	033	2	2	1	3	5	6	9	13	7	10	6	4	16	18	16	128	246
	034	2	2	1	3	5	6	9	13	7	11	6	4	16	18	16	128	247
	036	2	2	1	3	5	6	9	13	7	11	6	4	17	18	16	128	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
Apr.	507													1		1		2
	506											2		2	1	1		6
	505											5	1	2	1	2		11
	504											6	1	2	2	2		13
	503					1					1	6	1	2	2	2		15
	502					1					1	6	2	2	2	2		16
	501					1				2	3	6	3	2	2	2		21
	000					1				2	3	7	3	2	2	2		22
	001					1				2	4	8	4	5	2	2		28
	002					2				2	5	8	5	5	2	2	1	32
	003				2	2	1			2	6	8	7	5	2	2	1	38
	004				2	3	1			2	7	8	8	5	2	2	2	42
	005				3	3	1			3	7	8	9	6	2	3	3	48
	006			1	4	3	1			6	7	8	9	7	2	3	3	54
	007			1	4	4	1			10	7	8	9	8	3	3	4	62
	008			3	4	4	1	1	3	14	8	8	9	8	5	3	5	76
	009			4	4	5	4	2	5	17	9	8	9	8	7	5	6	93
	010			4	5	5	10	5	5	21	11	9	9	9	7	5	7	112
	011			4	5	6	14	8	5	21	12	12	11	10	10	7	7	132
	012			4	5	6	14	8	6	22	12	12	11	12	10	9	7	138
	013			5	6	6	15	9	6	23	14	12	12	13	12	9	11	153
	014			5	6	6	15	11	6	23	14	12	12	13	15	9	14	161
	015			5	6	6	15	12	9	23	16	13	12	13	16	10	15	171
	016		1	5	6	8	16	12	9	23	16	14	13	13	17	10	15	178
	017		1	7	6	11	17	15	10	23	18	14	13	13	18	11	16	192
	018		1	7	8	11	17	16	12	23	18	14	13	14	18	12	18	201
	019		1	7	9	11	17	16	12	23	19	14	15	15	19	14	18	209
	020		2	7	9	11	17	16	12	25	19	14	15	15	19	15	20	216
	021		2	8	9	11	17	17	12	25	19	14	15	15	19	15	22	220
	022		2	8	10	11	17	18	12	25	19	14	16	16	19	16	23	226
	023		2	10	11	11	17	18	13	25	19	14	16	16	19	16	23	230
	024		2	10	11	12	17	18	13	25	19	14	16	16	19	16	23	231
	025		2	10	11	12	17	18	14	25	19	14	16	16	20	16	23	233
	027		2	10	11	12	17	18	14	25	19	14	16	16	20	16	24	234
	028		2	10	11	12	17	18	15	26	19	14	16	16	20	16	24	236
	029		2	10	11	12	17	18	16	26	19	14	16	16	20	16	25	238
May	515				1													1
	513				1	1	2											4
	512				1	1	3											5
	511				1	1	3	1										6
	510				1	2	3	1										7
	509				1	2	3	1	1									8
	508				1	2	3	1	1	1		1						10
	507				1	2	3	2	1	1		1						11
	506				1	2	3	3	1	1		1						12
	505				1	2	3	4	1	1	1	1						14
	504				1	2	3	6	1	5	1	1	1					21
	503				1	2	3	6	3	6	1	2	1					26
	502				1	2	3	6	3	6	1	2	1	2				27
	501				1	2	3	6	3	8	1	5	1	2				32
	000				1	2	3	6	3	9	1	5	3	4	1		3	41
	001				1	2	3	6	3	9	2	5	4	4	2	3	4	48
	002				1	2	4	6	3	9	4	6	8	6	2	3	5	59
	003				1	2	4	7	5	10	5	7	10	7	3	3	7	71
	004				1	2	5	7	6	10	6	8	10	7	4	3	7	76
	005				1	5	7	9	6	12	7	8	14	7	7	5	7	95
	006				1	5	7	11	7	12	8	8	15	7	7	5	7	1	101
	007				2	6	8	11	8	12	9	9	16	7	7	8	7	1	111
	008				2	7	9	12	8	12	10	9	16	7	7	8	9	1	117
	009				2	7	1	16	11	13	11	9	17	7	10	9	10	1	133
	010				2	8	1	17	11	13	12	9	18	7	12	11	10	1	141
	011				2	8	1	19	11	13	12	9	19	7	12	12	12	3	149
	012				4	9	1	19	11	14	12	10	19	7	13	14	13	3	158
	013				4	9	11	21	11	15	12	10	19	8	14	15	15	5	169
	014				5	9	11	21	12	17	12	10	19	9	14	15	15	5	174
	015				6	10	11	24	13	17	13	11	20	10	16	15	17	7	190
	016				6	10	14	26	14	18	13	11	21	10	16	15	18	7	199
	017		1	1	6	12	14	27	16	19	15	11	21	10	16	15	18	8	210
	018		1	1	6	13	14	28	16	19	16	11	21	10	17	15	19	10	217
	019		1	2	7	14	16	28	18	19	16	11	21	10	17	16	21	11	228
	020		1	3	7	14	16	31	18	19	16	11	21	10	17	16	21	12	233
	021		1	3	7	14	16	31	18	19	16	11	21	10	18	17	24	12	238
	022		1	3	7	15	16	31	18	19	16	11	21	10	18	17	24	12	239
	024		1	3	7	15	16	31	18	19	16	12	21	10	18	17	24	12	240
	025		1	3	7	15	16	31	18	19	17	12	22	10	18	17	24	12	242
	027		1	3	7	15	16	31	18	19	17	13	22	11	18	17	24	12	244
	030		1	3	7	15	16	31	18	19	17	14	22	11	18	17	24	12	245
	031		1	3	7	15	16	31	18	20	17	15	22	11	18	17	24	12	247
	032		1	3	7	15	16	31	18	20	17	16	22	11	18	17	24	12	248

FREQUENCY ANALYSES
DAVIS 1959

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.	516				1	2												3
	515				1	2	1											4
	513				1	4	1											6
	512				1	5	2											8
	511				2	5	2				2		1		2			14
	510				4	5	2				3		1	1	5			21
	509				4	5	3				3	1	1	1	5			23
	508				4	5	4				3	3	1	1	5	1		27
	507				4	5	4				4	4	2	1	7	3		34
	506				4	6	4		1		4	5	3	1	7	6	1	42
	505				5	7	4		1	1	6	7	3	1	7	7	8	57
	504				6	8	4		1	2	6	7	3	1	8	7	12	65
	503				6	9	4		1	2	7	7	4	1	9	9	17	76
	502				7	9	4		1	2	9	8	4	1	11	11	21	88
	501				8	9	5		2	3	11	8	4	3	13	16	23	105
	000			2	10	9	5		3	3	13	8	4	3	13	16	31	120
	001			3	12	1	5	1	3	3	13	9	4	3	14	20	40	140
	002			3	13	1	5	1	3	4	13	9	4	3	15	20	42	145
	003			3	13	1	5	1	3	6	13	9	5	3	15	21	47	154
	004			3	13	1	5	1	4	6	13	9	5	3	16	21	49	158
	005			4	13	11	5	1	5	8	14	10	5	5	16	22	51	170
	006			4	13	11	5	1	6	9	15	11	5	6	16	22	52	176
	007			4	14	13	5	2	6	9	15	12	5	7	17	22	54	185
	008			4	15	14	5	2	6	9	16	13	6	7	17	22	56	192
	009			4	18	14	6	2	6	9	16	13	6	8	17	22	57	198
	010			4	18	14	6	2	6	10	16	16	6	9	17	23	60	207
	011			4	18	14	6	2	6	10	16	16	6	9	17	23	61	208
	012			4	18	14	6	2	6	10	17	16	7	9	17	23	65	214
	013			4	18	14	6	2	6	10	17	16	7	9	17	23	66	215
	014			4	18	14	6	2	6	10	17	17	7	9	17	23	67	217
	015			4	18	14	11	4	6	10	19	17	7	9	17	23	71	230
	016			4	18	14	11	4	6	10	19	17	9	9	17	23	71	232
	019		1	4	18	14	11	4	6	10	19	17	9	9	17	23	71	233
	020		2	4	18	14	11	4	6	10	19	17	9	9	17	23	72	235
	021		2	4	18	14	11	4	6	10	19	17	9	9	17	24	72	236
	023		2	5	19	14	12	4	6	10	19	17	9	9	17	24	72	239
	024		2	5	19	14	12	5	6	10	19	17	9	9	17	24	72	240

	°F	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	>14	Total
Jul.	526											1						1
	525										2	1						3
	523										2	2	1					5
	522										2	2	2					6
	521										2	3	5					10
	520										2	3	6	3				14
	519										2	3	8	5	2			20
	518										2	3	9	9	2			25
	517										3	4	12	10	4	1	1	35
	516										3	4	12	10	5	2	2	38
	515										3	5	12	15	5	2	2	44
	514										3	5	13	19	5	2	2	49
	513										5	5	13	20	5	2	4	54
	512								1		6	5	15	22	7	2	4	62
	511						1		1		6	6	17	23	7	2	4	67
	510					1	1		3	1	7	6	17	24	8	2	4	74
	509					1	1	1	3	2	8	8	17	25	8	2	4	80
	508					1	1	1	3	3	9	8	17	26	8	2	4	83
	507					3	1	1	3	3	9	9	17	27	8	3	4	86
	506					4	1	1	3	4	9	9	17	28	8	3	5	91
	505					5	1	1	3	5	9	9	18	28	9	4	6	97
	504					5	1	1	3	6	9	9	18	28	9	4	7	99
	503					5	1	1	3	7	9	10	18	28	9	4	7	101
	502					5	1	1	4	7	9	10	18	28	10	4	7	103
	501					5	3	2	4	7	9	10	19	28	10	5	12	111
	000			1		5	4	3	4	8	9	10	19	28	10	5	14	117
	001			1	1	5	5	4	4	8	9	10	20	28	10	5	16	123
	002			1	3	6	5	5	4	8	9	10	20	28	10	6	18	128
	003			1	3	6	5	5	4	8	9	10	20	28	10	6	21	136
	004			2	4	6	6	5	4	9	9	10	20	29	11	6	23	140
	005			2	4	6	7	6	4	10	9	11	21	29	11	6	24	148
	006			2	4	6	9	6	5	10	9	11	22	29	11	6	24	151
	007			2	4	6	9	6	6	12	11	16	22	29	11	6	27	159
	008			2	4	6	10	6	6	13	11	18	23	29	11	6	29	169
	009			2	4	6	10	6	6	13	12	18	23	29	11	6	29	174
	010			2	4	6	10	6	6	13	13	18	23	29	11	6	31	177
	011			2	4	6	10	6	6	14	13	18	23	29	11	6	31	178
	012			2	4	6	10	6	6	14	14	18	24	30	11	6	32	182
	013			2	4	6	10	6	6	16	14	18	25	31	11	6	35	188
	014		1	2	4	6	11	6	6	16	15	18	25	31	11	6	38	194
	015		1	2	4	7	11	6	6	16	15	19	25	31	11	7	44	204
	016		2	2	6	7	11	6	6	16	15	19	26	32	11	8	45	209
	017		3	3	8	8	11	7	6	17	16	19	26	33	11	8	47	215
	018		3	3	8	1	11	7	6	19	17	20	26	34	11	8	48	225
	019		4	3	9	1	13	7	6	19	17	20	26	35	12	8	49	231
	020		4	3	9	1	13	7	6	19	17	20	29	35	12	8	50	238
	021		4	3	9	1	14	8	6	19	17	20	29	35	12	8	50	242
	022		4	3	9	12	14	9	6	19	17	20	29	35	12	8	50	244
	023		4	3	9	12	14	9	6	19	17	20	29	35	12	8	50	247
	024		5	3	9	12	14	9	6	19	17	20	29	35	12	8	50	248

FREQUENCY ANALYSES
DAVIS 1959

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.	526												1					1
	523											1	3	1				5
	522											1	4	1				6
	521											5	4	1				10
	520											5	4	3				12
	519											6	4	3				13
	518											6	4	4				14
	516											6	5	5	1			17
	515									1	1	6	7	6	2	1	2	26
	514									1	1	6	7	6	3	1	2	27
	513									2	1	7	7	7	3	1	2	30
	512									2	2	7	7	7	4	1	2	32
	511								1	3	2	7	8	9	4	3	4	41
	510								3	6	3	7	8	9	4	3	4	47
	509							3	5	9	3	7	8	9	4	4	4	56
	508							3	5	9	4	7	8	9	4	4	5	58
	507						1	4	5	11	5	7	8	12	4	4	5	66
	506						1	4	6	11	5	8	8	14	5	4	5	71
	505						1	4	6	11	7	8	8	15	6	4	6	76
	504						1	5	6	11	7	8	9	16	9	5	7	84
	503					1	1	5	6	11	8	8	11	16	9	6	9	91
	502					3	1	5	7	11	8	9	11	17	10	6	14	102
	501					3	1	5	8	11	8	9	11	17	10	7	18	108
	000					3	3	6	9	11	8	9	11	17	13	7	25	122
	001					3	3	6	9	11	8	9	11	18	13	7	30	128
	002					3	3	6	9	11	8	9	11	18	14	9	34	135
	003					3	3	6	9	11	8	9	11	18	14	12	40	144
	004					3	3	6	9	11	8	9	11	18	14	13	44	149
	005					3	3	6	9	11	8	9	12	18	15	13	53	160
	006					3	3	6	9	11	8	9	12	18	16	13	56	164
	007					3	3	6	9	11	8	9	12	18	16	14	59	168
	008					3	3	6	9	11	8	9	12	18	17	14	62	172
	009					3	3	6	9	11	8	9	12	18	17	15	65	176
	010					3	3	6	9	11	8	9	12	18	17	15	69	180
	011					3	4	6	9	12	8	9	12	18	17	16	73	187
	012					3	4	6	9	12	8	9	12	18	17	18	74	190
	013					3	4	6	9	12	8	9	13	18	17	18	76	193
	014					3	4	6	9	12	8	9	13	18	17	19	78	196
	015					3	4	7	9	12	8	10	13	18	17	19	84	204
	016					3	4	7	9	12	8	11	13	18	17	19	84	205
	017					3	4	8	9	12	8	12	14	18	18	19	88	213
	018					3	4	8	9	12	8	12	14	20	18	19	94	221
	019					4	4	8	10	12	8	12	14	20	19	20	96	227
	020					5	4	9	10	12	8	12	14	23	19	20	1	237
	021					6	6	9	10	13	8	12	14	23	19	20	4	244
	022					6	6	9	10	13	8	12	14	23	19	20	5	245
	023					6	6	9	10	13	8	12	14	24	19	20	5	246
	024					6	6	9	10	13	8	12	14	25	19	20	6	248

FREQUENCY ANALYSES
DAVIS 1959

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.	529							3										3
	525							3	1									4
	524							3	1					1				5
	523							5	1		1			2				9
	522							7	2		2			3				14
	521							9	2		2			4				17
	520					1		11	3		2			4				21
	519					1		11	3		2			5	1			23
	518					1	1	12	3		2			5	2			26
	517					2	1	12	3	1	2			5	2			28
	516					2	2	13	3	2	2			6	5	2		37
	515					2	2	13	5	2	2		2	7	5	2		42
	514					2	4	13	5	3	2		2	7	7	4		49
	513					2	4	13	6	5	2		3	7	8	4	3	57
	512					2	5	13	6	5	2	3	3	7	9	6	3	64
	511					2	6	14	6	6	2	3	3	7	10	7	3	69
	510					2	6	14	6	7	2	3	3	8	13	7	4	75
	509			1		2	6	14	7	8	2	4	3	10	14	7	4	82
	508			1		2	7	14	7	8	2	4	3	13	14	7	7	89
	507			2		3	7	14	8	8	3	5	3	13	15	11	9	101
	506		1	2		6	7	14	9	8	3	6	3	13	15	15	11	113
	505		1	2	2	6	7	14	9	8	3	6	4	14	15	15	15	121
	504		1	2	2	6	7	14	9	8	3	6	5	14	15	15	18	125
	503		1	2	2	6	7	14	9	8	3	7	5	14	15	15	19	127
	502		1	2	2	6	8	14	9	8	3	7	5	14	16	18	20	133
	501		1	3	2	6	9	16	9	8	3	7	6	14	17	19	23	143
	000		1	3	3	6	9	16	9	8	3	7	7	14	17	20	23	146
	001		4	3	4	7	9	16	10	8	3	7	7	15	17	20	24	154
	002		5	3	4	7	10	16	10	8	3	7	7	15	17	20	24	156
	003		5	4	4	9	12	16	10	10	3	7	9	15	17	20	24	165
	004		6	4	4	11	12	16	11	10	3	7	9	15	17	20	24	169
	005		7	5	4	11	12	17	11	10	3	8	10	15	19	20	28	180
	006		7	5	4	12	13	17	11	10	3	9	10	15	20	20	30	186
	007		9	6	4	12	16	17	11	11	4	9	11	15	20	20	30	195
	008		9	6	4	13	16	17	11	11	4	9	11	15	20	20	30	196
	009		10	8	4	13	16	17	11	11	4	9	12	16	21	20	31	203
	010		10	9	4	13	16	17	11	12	5	9	12	16	21	20	33	208
	011		11	10	7	15	16	17	11	12	5	9	12	16	21	20	34	216
	012		12	10	7	15	17	17	12	12	5	9	12	16	21	20	34	219
	013		12	12	7	15	17	17	12	12	5	9	12	16	21	20	36	223
	015		12	12	7	15	18	17	12	12	5	9	12	16	21	20	40	228
	016		12	12	7	15	18	17	12	12	5	9	12	16	21	20	43	231
	017		12	12	7	15	18	17	12	12	5	9	13	16	21	20	45	234
	018		12	12	7	15	18	17	12	12	5	9	13	16	21	21	46	236
	019		12	12	7	15	18	17	12	12	5	9	13	16	21	21	47	237
	020		12	12	7	15	18	17	12	12	5	9	13	16	21	21	49	239
	021		12	12	7	15	18	17	12	12	5	9	13	16	21	21	50	240
Oct.	503			1														1
	502			2														3
	501			4		1									1			7
	000			4		1									2			8
	001			5	1	1	1				1			1	2		1	15
	002			6	2	1	1	1			1			1	2		4	19
	003			7	3	2	2	2			1			1	2		8	28
	004			7	3	2	2	3			1		1	1	2		9	31
	005			7	3	2	2	3			1		6	1	2	2	12	41
	006			7	3	2	2	3		1	1		6	2	2	2	13	44
	007			7	3	2	2	3		2	1		7	3	2	4	18	54
	008			8	3	2	2	4	1	2	1		8	3	2	5	21	62
	009			8	4	2	2	4	2	4	2	2	10	3	2	7	25	77
	010			8	4	3	3	4	3	5	3	7	13	5	6	7	30	101
	011			8	5	3	3	5	3	5	4	9	15	5	7	9	33	114
	012			9	5	4	5	8	3	6	6	10	16	5	7	13	36	133
	013			9	5	4	6	10	3	7	9	12	17	9	8	14	40	153
	014			9	5	4	7	11	4	7	10	14	19	9	9	16	42	166
	015			10	5	4	7	11	4	7	11	15	20	10	12	17	49	182
	016			10	5	4	7	11	4	7	11	15	20	11	14	19	53	191
	017	1		10	5	4	7	11	4	7	12	15	20	12	14	20	53	195
	018	1		10	5	4	7	11	4	7	12	15	20	13	16	24	58	207
	019	1		10	5	4	7	11	4	7	12	16	20	14	18	24	64	217
	020	1		10	5	4	7	13	4	7	12	16	20	14	19	24	67	223
	021	1		10	5	4	7	14	4	7	12	16	20	15	20	24	70	229
	022	1		10	5	4	7	14	4	7	12	16	20	15	20	24	73	232
	023	1		10	5	4	7	14	4	7	12	16	20	16	20	24	76	236
	024	1		10	5	4	7	14	4	7	12	16	20	16	20	24	78	238
	025	1		10	5	4	7	14	4	7	12	16	20	16	20	26	81	243
	026	1		10	5	4	7	14	4	7	12	16	20	16	20	28	81	245
	027	1		10	5	4	7	14	4	7	12	16	20	16	20	28	84	248

Screen Temperature v Dew Point Depression

	°F	Dew Point Depression 0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	>14	Total
Nov.	006													1			1	2
	007													1			2	3
	009													1			6	7
	013													1			7	8
	014												1	1			10	12
	015												3	2		1	13	19
	016								1				3	3		1	16	24
	017					1			3		1		3	4	1	1	22	36
	018		1		1	2			3		1		5	7	1	2	28	51
	019		2		1	3	1	1	3	1	3	3	5	10	2	2	42	79
	020		4	2	2	3	1	1	4	1	3	6	6	10	4	3	48	98
	021		6	5	2	4	1	1	5	2	3	7	7	12	7	3	58	123
	022		6	5	2	4	1	1	5	2	4	8	9	13	7	4	68	139
	023		6	5	2	6	2	2	5	4	4	10	10	14	8	5	73	156
	024		6	5	3	9	2	2	5	5	5	12	15	14	9	6	82	180
	025		6	5	3	10	2	2	6	5	6	13	15	16	11	9	90	199
	026		6	5	3	10	2	2	6	5	7	14	15	16	11	10	100	212
	027		6	5	3	10	2	2	7	6	7	16	18	16	14	11	106	229
	028		6	5	3	10	2	2	7	6	7	18	19	16	14	11	106	232
	029		6	5	3	10	2	2	7	6	7	20	19	16	14	12	109	238
	031		6	5	3	10	2	2	7	6	7	20	19	16	14	14	109	240

	°F	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	>14	Total
Dec.	020									1					1			2
	023									2					1			3
	024									3	1				1		1	6
	025				1		1	1		4	1	1		2	2		6	19
	026			1	2		1	1	1	4	1	1		2	3		7	24
	027			1	3	1	3	1	2	5	1	1	3	4	4		9	38
	028		1	1	3	2	4	1	3	6	1	2	3	6	7	1	9	50
	029		1	1	3	3	7	3	3	7	3	4	4	6	9	2	9	65
	030		1	3	5	5	9	6	3	10	4	5	5	8	11	2	11	88
	031		1	4	6	7	10	8	6	14	5	8	8	10	12	3	17	119
	032		1	5	10	7	12	10	8	15	8	13	12	13	13	6	22	155
	033		1	5	10	7	12	11	10	16	11	15	12	15	16	6	24	171
	034		1	5	11	7	12	12	11	19	16	17	14	18	18	6	29	196
	035		1	5	11	9	12	13	13	19	17	18	18	19	21	10	33	219
	036		1	5	11	9	12	13	13	19	17	19	20	20	23	11	34	227
	037		1	5	11	9	12	13	13	21	17	19	21	21	23	13	37	236
	038		1	5	11	9	12	13	13	21	17	19	21	21	23	13	40	239
	039		1	5	11	9	12	13	13	21	17	19	21	21	23	13	43	242
	041		1	5	11	9	12	13	13	21	17	19	21	21	23	13	46	245
	042		1	5	11	9	12	13	13	21	17	19	21	21	23	13	47	246
	044		1	5	11	9	12	13	13	21	17	19	21	21	23	13	49	248

FREQUENCY ANALYSES
DAVIS 1959

	Direction x 10°	Calm	Direction and Speed of Surface Wind 1-9	10-19	20-29	30-39	40-49	≥50	Total
Jan.	35 36 01		37	19	0	0	0	0	56
	02 03 04		21	48	16	1	0	0	86
	05 06 07		4	2	0	0	0	0	6
	08 09 10		2	0	0	0	0	0	2
	11 12 13		3	2	1	0	0	0	6
	14 15 16		5	3	0	0	0	0	8
	17 18 19		5	0	0	0	0	0	5
	20 21 22		16	5	0	0	0	0	21
	23 24 25		26	6	0	0	0	0	32
	26 27 28		8	1	0	0	0	0	9
	29 30 31		3	1	0	0	0	0	4
	32 33 34		3	0	0	0	0	0	3
									10
		10	133	87	17	1	0	0	248
Feb.	35 36 01		12	4	0	0	0	0	16
	02 03 04		29	49	16	4	1	1	100
	05 06 07		19	4	1	0	2	0	26
	08 09 10		19	0	0	0	0	0	19
	11 12 13		4	1	0	0	0	0	6
	14 15 16		10	0	0	0	0	0	10
	17 18 19		7	0	0	0	0	0	7
	20 21 22		10	6	0	0	0	0	16
	23 24 25		6	4	0	0	0	0	10
	26 27 28		4	0	0	0	0	0	4
	29 30 31		4	0	0	0	0	0	4
	32 33 34		5	0	0	0	0	0	5
									1
		2	129	68	17	4	3	1	224
Mar.	35 36 01		8	1	0	0	0	0	9
	02 03 04		18	30	22	15	3	0	88
	05 06 07		16	19	13	9	3	0	60
	08 09 10		18	2	4	2	0	0	26
	11 12 13		29	0	0	0	0	0	29
	14 15 16		15	2	0	0	0	0	17
	17 18 19		7	0	0	0	0	0	7
	20 21 22		3	2	0	0	0	0	5
	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		2	0	0	0	0	0	2
									1
		1	120	56	39	26	6	0	248
Apr.	35 36 01		12	14	10	3	1	0	40
	02 03 04		31	13	3	1	1	0	49
	05 06 07		33	8	0	0	0	0	41
	08 09 10		53	3	1	0	0	0	58
	11 12 13		18	1	0	0	0	0	19
	14 15 16		11	2	0	0	0	0	13
	17 18 19		0	1	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		1	0	0	0	0	0	1
	29 30 31		2	0	0	0	0	0	2
	32 33 34		5	4	0	0	0	0	9
									4
		5	169	46	14	4	2	0	240

FREQUENCY ANALYSES
DAVIS 1959

	Direction x 10°	Calm	Direction and Speed of Surface Wind 1-9	10-19	20-29	30-39	40-49	≥50	Total
May.	35 36 01		5	5	1	1	0	0	12
	02 03 04		12	9	6	6	4	4	41
	05 06 07		29	10	5	4	2	2	52
	08 09 10		35	15	7	2	0	0	59
	11 12 13		33	3	2	0	0	0	38
	14 15 16		26	1	0	0	0	0	27
	17 18 19		2	0	0	0	0	0	2
	20 21 22		2	1	0	0	0	0	3
	23 24 25		1	0	0	0	0	0	1
	26 27 28		1	1	0	0	0	0	2
	29 30 31		4	0	0	0	0	0	4
	32 33 34		0	1	0	0	0	0	1
									6
		6	150	46	21	13	6	6	248
Jun.	35 36 01		0	0	0	0	0	0	0
	02 03 04		4	2	0	0	0	0	6
	05 06 07		17	9	2	2	2	0	32
	08 09 10		28	4	1	1	0	0	34
	11 12 13		64	12	1	0	0	0	77
	14 15 16		49	4	3	0	0	0	56
	17 18 19		21	0	0	0	0	0	21
	20 21 22		1	0	0	0	0	0	1
	23 24 25		1	0	0	0	0	0	1
	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
									10
		10	187	31	7	3	2	0	240
Jul.	35 36 01		3	0	0	0	0	0	3
	02 03 04		3	4	0	0	0	0	7
	05 06 07		18	9	4	5	6	0	42
	08 09 10		38	18	6	4	0	0	66
	11 12 13		76	3	1	1	0	0	81
	14 15 16		32	2	0	0	0	0	34
	17 18 19		5	0	0	0	0	0	5
	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
									10
		10	175	36	11	10	6	0	248
Aug.	35 36 01		1	0	0	0	0	0	1
	02 03 04		2	2	0	0	0	0	4
	05 06 07		17	18	8	6	0	0	49
	08 09 10		41	8	1	4	0	0	54
	11 12 13		89	2	0	0	0	0	91
	14 15 16		35	0	0	0	0	0	35
	17 18 19		1	0	0	0	0	0	1
	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		1	0	0	0	0	0	1
									10
		10	189	30	9	10	0	0	248

FREQUENCY ANALYSES
DAVIS 1959

	Direction x 10°	Direction and Speed of Surface Wind						
		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		15	7	6	3	0	1	32
	05 06 07		33	11	15	7	2	5	73
	08 09 10		22	5	5	2	1	0	35
	11 12 13		19	4	3	1	0	0	27
	14 15 16		11	4	0	0	0	0	15
	17 18 19		7	0	0	0	0	0	7
	20 21 22		15	1	0	0	0	0	16
	23 24 25		8	3	0	0	0	0	11
	26 27 28		6	0	0	0	0	0	6
	29 30 31		3	1	0	0	0	0	4
	32 33 34		0	0	0	0	0	0	0
									14
		14	139	36	29	13	3	6	240
Oct.	35 36 01		11	1	0	0	0	0	12
	02 03 04		30	18	2	0	0	0	50
	05 06 07		22	26	14	4	1	1	68
	08 09 10		22	6	1	0	0	0	29
	11 12 13		29	2	0	0	0	0	31
	14 15 16		13	1	1	0	0	0	15
	17 18 19		8	3	0	0	0	0	11
	20 21 22		4	0	0	0	0	0	4
	23 24 25		5	2	0	0	0	0	7
	26 27 28		6	0	0	0	0	0	6
	29 30 31		7	0	0	0	0	0	7
	32 33 34		4	0	0	0	0	0	4
									4
		4	161	59	18	4	1	1	248
Nov.	35 36 01		7	1	0	0	0	0	8
	02 03 04		13	29	11	0	0	0	53
	05 06 07		13	24	16	5	1	0	59
	08 09 10		11	6	4	2	4	1	28
	11 12 13		5	6	0	0	0	0	11
	14 15 16		5	4	0	0	0	0	9
	17 18 19		2	0	0	0	0	0	2
	20 21 22		7	8	0	0	0	0	15
	23 24 25		14	6	0	0	0	0	20
	26 27 28		10	1	0	0	0	0	11
	29 30 31		11	1	0	0	0	0	12
	32 33 34		7	0	0	0	0	0	7
									5
		5	105	86	31	7	5	1	240
Dec.	35 36 01		25	6	0	0	0	0	31
	02 03 04		40	34	4	0	0	0	78
	05 06 07		16	26	23	4	4	2	75
	08 09 10		6	1	0	0	0	0	7
	11 12 13		1	0	0	0	0	0	1
	14 15 16		1	0	0	0	0	0	1
	17 18 19		2	0	0	0	0	0	2
	20 21 22		10	3	0	0	0	0	13
	23 24 25		14	3	0	0	0	0	17
	26 27 28		1	0	0	0	0	0	1
	29 30 31		3	0	0	0	0	0	3
	32 33 34		9	0	0	0	0	0	9
									10
		11	128	73	27	4	4	2	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	2	1				4
530							2	6	4				12
527							5	8	8				21
524				2	2	3	9	13	11				40
521				4	4	9	13	16	17	6			69
518				9	13	16	19	24	23	16			120
515				11	23	20	25	27	28	27	12		173
512				12	26	28	28	30	28	30	25	7	214
509				13	26	29	28	30	28	30	29	22	235
506				13	26	29	28	30	28	30	29	28	241
503				13	26	29	28	30	28	30	29	30	243

Temperature at 700 mb

539									1				1
536									1				1
533							1	2	4	1			8
530					1	1	3	8	9	1			23
527				3	2	4	9	10	17	2	1		48
524				6	10	12	19	14	20	15	6		102
521				10	16	20	28	26	24	22	19	2	167
518				10	22	26	28	30	27	28	26	15	212
515				11	26	29	28	30	28	30	29	22	233
512				11	26	29	28	30	28	30	29	27	238
509				12	26	29	28	30	28	30	29	30	242

Temperature at 500 mb

548									1				1
545				1			6	4	11				22
542				3	8	5	11	10	16		1		54
539				5	9	11	18	15	18	7	7		90
536				7	14	21	23	25	19	16	13	2	140
533				10	20	23	27	29	22	24	21	8	184
530				11	23	27	28	29	26	28	25	18	215
527				12	24	29	28	30	28	30	29	22	232
524				12	24	29	28	30	28	30	29	28	238
521				13	24	29	28	30	28	30	29	29	240
518				13	24	29	28	30	28	30	29	30	241

Temperature at 300 mb

569									2				2
566						1	4	1	13	2			21
563					2	4	14	15	16	4	2		57
560					13	16	22	27	18	18	14		128
557				5	19	23	25	30	22	27	22	2	175
554				10	24	29	25	30	26	28	28	12	212
551				12	24	29	25	30	26	30	28	20	224
548				12	24	29	25	30	26	30	28	25	229
545				12	24	29	25	30	26	30	28	28	232
542				12	24	29	25	30	26	30	28	29	233
539				12	24	29	25	30	26	30	28	30	234

FREQUENCY ANALYSES
DAVIS 1959

Temperature at 200 mb

Upper Limit Range -°C	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
581								3	1				4
578						1		10	2				13
575						5	7	16	10	7	1		46
572						7	12	27	21	19	5		91
569						13	20	30	22	26	7		118
566						20	22	30	23	30	13		138
563					6	22	23	30	23	30	18	1	153
560					11	27	23	30	23	30	23	2	169
557					19	27	23	30	23	30	26	7	185
554				2	23	28	23	30	23	30	26	8	193
551				8	24	28	23	30	23	30	27	17	210
548				11	24	28	23	30	23	30	27	27	223
545				11	24	28	23	30	23	30	27	29	225
542				11	24	28	23	30	23	30	27	30	226

Temperature at 150 mb

587								1					1
584								3					3
581							1	6	1				8
578							2	13	5	1			21
575						2	8	23	13	11			57
572						8	15	26	16	22			87
569						15	19	26	17	29	4		110
566						20	20	26	18	29	11		124
563						25	20	26	19	29	16		135
560					14	25	20	26	19	29	19		152
557				1	20	25	20	26	19	29	25		165
554				5	21	26	20	26	19	29	26	1	173
551				8	22	26	20	26	19	29	27	4	181
548				10	22	26	20	26	19	29	27	13	192
545				10	22	26	20	26	19	29	27	28	207
542				10	22	26	20	26	19	29	27	30	209

Temperature at 100 mb

581							1	2	2				5
578						1	2	3	2	1			9
575						4	4	3	5	9			25
572						10	4	3	8	15			40
569						12	4	3	8	25			52
566					2	14	4	3	9	29	2		63
563					11	15	4	3	9	29	7		78
560				1	17	15	4	3	9	29	15		93
557				4	18	15	4	3	9	29	17		99
554				5	18	15	4	3	9	29	20		103
551				7	18	15	4	3	9	29	25	1	111
548				7	18	15	4	3	9	29	27	3	115
545				7	18	15	4	3	9	29	27	16	128
542				7	18	15	4	3	9	29	27	27	139
539				7	18	15	4	3	9	29	27	29	141

Temperature at Tropopause

581							1	2	2				5
578						4	3	8	3	2	1		21
575						6	8	9	7	10	2		42
572						8	12	11	13	19	5		68
569						12	14	14	16	25	8		89
566					4	19	20	14	18	28	13	1	117
563					12	24	21	14	18	29	17	4	139
560				1	20	27	21	14	18	29	23	8	161
557				7	23	28	21	14	18	29	27	15	182
554				11	24	29	21	14	18	29	27	22	195
551				12	24	29	21	14	18	29	27	24	198
548				12	24	29	21	14	18	29	27	27	201
545				12	24	29	21	14	18	29	27	29	203
542				12	24	29	21	14	18	29	27	30	204

Geopotential at 850 mb

Upper Limit Range gpDm	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
095							1	1	1				3
100						1	1	2	2	2	4		12
105				1		2	3	5	7	6	8		32
110				6	8	9	9	10	16	15	14	1	88
115				11	12	12	20	18	22	23	23	4	145
120				11	19	16	22	21	26	26	28	17	186
125				11	22	21	28	25	27	29	29	22	214
130				12	26	22	28	29	28	30	29	28	232
135				13	26	27	28	29	28	30	29	30	240
140				13	26	29	28	30	28	30	29	30	243

Geopotential at 700 mb

230								1	1				2
235								1	1				2
240							1	2	2				5
245						1	2	5	10	3	3		24
250				6	3	7	8	11	15	10	8		68
255				7	8	9	13	17	19	17	14		104
260				10	12	12	20	19	22	22	23	2	142
265				10	19	19	25	21	26	28	28	11	187
270				10	25	21	28	26	28	28	29	18	213
275				11	26	22	28	27	28	30	29	23	224
280				11	26	26	28	29	28	30	29	29	236
285				12	26	29	28	30	28	30	29	30	242

Geopotential at 500 mb

450										1			1
455										1			1
460								1	1	1			3
465								1	2	1			4
470								1	2	1			4
475							1	1	5	1			8
480						1	2	5	11	2			21
485				3	1	3	7	8	16	5	2		45
490				5	5	10	14	12	19	10	10		85
495				7	8	12	17	16	20	15	13		108
500				9	12	13	22	20	22	21	19	1	139
505				11	17	19	25	20	24	27	26	6	175
510				12	22	21	28	22	26	28	28	10	197
515				12	23	22	28	26	27	29	29	17	213
520				12	24	25	28	28	28	30	29	21	225
525				13	24	25	28	29	28	30	29	23	229
530				13	24	28	28	29	28	30	29	30	239
535				13	24	29	28	29	28	30	29	30	240
540				13	24	29	28	30	28	30	29	30	241

FREQUENCY ANALYSES
DAVIS 1959

Geopotential at 300 mb

Upper Limit Range gpDm	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
790								1	1				2
800							1	2	7				10
810						1	4	5	14	1			25
820				3	2	6	13	12	18	7	3		64
830				7	9	13	17	19	19	14	11		109
840				9	14	16	21	22	21	23	22		148
850				10	22	21	25	25	23	28	26	9	189
860				12	24	25	25	29	24	29	28	14	210
870				12	24	26	25	30	26	30	28	20	221
880				12	24	29	25	30	26	30	28	28	232
890				12	24	29	25	30	26	30	28	30	234

Geopotential at 200 mb

1030								1	1				2
1040								2	6				8
1050						1	1	5	14	1			22
1060						3	11	12	16	3			45
1070					2	9	15	18	16	12	5		77
1080				1	7	12	20	22	16	18	13		109
1090				7	14	17	23	24	19	25	22		151
1100				10	22	21	23	28	21	26	25		176
1110				11	24	24	23	30	23	29	27	9	200
1120				11	24	27	23	30	23	30	27	13	208
1130				11	24	28	23	30	23	30	27	21	217
1140				11	24	28	23	30	23	30	27	28	224
1150				11	24	28	23	30	23	30	27	30	226

Geopotential at 150 mb

1200								1	2				3
1210								2	10				12
1220							1	6	12	1			20
1230						2	8	11	13	5			39
1240						7	14	18	13	10	1		63
1250					3	11	18	20	13	23	10		98
1260					7	15	20	24	17	27	17		127
1270				4	14	19	20	26	18	27	25		153
1280				8	21	20	20	26	19	29	25	1	169
1290				9	22	26	20	26	19	29	27	3	181
1300				10	22	26	20	26	19	29	27	10	189
1310				10	22	26	20	26	19	29	27	13	192
1320				10	22	26	20	26	19	29	27	25	204
1330				10	22	26	20	26	19	29	27	28	207
1340				10	22	26	20	26	19	29	27	30	209

Geopotential at 100 mb

Upper Limit Range gpDm	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
1430									1				1
1440									1				1
1450							1		3	1			5
1460							2		3	3			8
1470						2	4	1	3	6			16
1480						4	4	2	3	11			24
1490						7	4	3	4	24	4		46
1500				1	3	9	4	3	7	27	8		62
1510				1	7	10	4	3	9	28	16		78
1520				1	9	12	4	3	9	29	21		88
1530				3	18	15	4	3	9	29	25		106
1540				5	18	15	4	3	9	29	25		108
1550				7	18	15	4	3	9	29	27		112
1560				7	18	15	4	3	9	29	27	2	114
1570				7	18	15	4	3	9	29	27	9	121
1580				7	18	15	4	3	9	29	27	13	125
1590				7	18	15	4	3	9	29	27	25	137
1600				7	18	15	4	3	9	29	27	28	140
1610				7	18	15	4	3	9	29	27	29	141

Geopotential at Tropopause

650					1								1
700				1	1								2
750				2	2							2	6
800				3	2	1			1		2	7	16
850				6	4	3	2		1		5	11	32
900				10	10	5	4	2	3	1	8	14	57
950				11	19	11	7	4	5	3	13	18	91
1000				12	24	18	12	4	9	11	19	23	132
1050				12	24	23	13	5	13	15	23	25	153
1100				12	24	24	19	11	15	24	26	28	183
1150				12	24	25	19	13	17	27	27	30	194
1200				12	24	29	20	14	17	27	27	30	200
1250				12	24	29	21	14	18	28	27	30	203
1300				12	24	29	21	14	18	28	27	30	203
1350				12	24	29	21	14	18	29	27	30	204

Pressure at Tropopause

Upper Limit Range - mb													
150							1			1			2
200						6	6	8	8	14	2	1	45
250					4	21	15	10	14	27	15	10	116
300				9	21	28	21	14	17	29	25	20	184
350				11	22	29	21	14	18	29	27	27	198
400				12	23	29	21	14	18	29	27	30	203
450				12	24	29	21	14	18	29	27	30	204

FREQUENCY ANALYSES
MACQUARIE ISLAND 1959

Station Level Pressure

Upper Limit Range - mb	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
960		1				2					1		4
965		2			1	5				2	3		13
970		4		2	1	12	2			4	7		32
975		6	4	9	3	15	5	3	11	18	14		88
980	2	7	8	16	12	23	11	12	28	36	35		190
985	8	24	29	20	28	34	47	34	45	50	50		365
990	24	60	57	41	53	61	83	60	58	65	81	3	646
995	60	105	94	62	90	100	127	119	103	81	104	11	1045
1000	111	154	123	100	123	143	154	165	143	112	148	21	1497
1005	152	187	157	137	140	163	182	212	173	135	186	57	1881
1010	190	203	211	168	168	181	190	229	198	167	221	144	2270
1015	216	213	230	194	190	209	199	248	225	195	238	191	2548
1020	231	224	247	229	224	235	225	248	236	213	240	221	2764
1025	239	224	248	234	248	240	236	248	240	220	240	247	2864
1030	248	224	248	240	248	240	243	248	240	226	240	248	2898
1035	248	224	248	240	248	240	243	248	240	248	240	248	2920

Maximum Temperature

Upper Limit Range - °F													
29					1								1
31					2								2
32					3								3
33					3		1						4
34					4		1			1			6
35					6	2	3	1		1	1		14
36					7	2	3	1		1	1		15
37					8	6	3	1	1	3	1	1	24
38				1	10	8	6	2	1	5	1	1	35
39				1	10	9	9	2	2	6	3	1	43
40				2	11	9	15	6	4	8	3	2	60
41		1	2	3	16	14	23	18	9	15	8	2	111
42		3	4	4	17	17	30	23	21	20	13	4	156
43		6	8	9	24	24	31	29	28	26	20	6	211
44	2	6	13	15	30	27	31	30	30	30	28	8	250
45	5	12	18	19	31	29	31	31	30	31	29	11	277
46	10	18	27	28	31	30	31	31	30	31	30	19	316
47	15	20	31	30	31	30	31	31	30	31	30	22	332
48	23	24	31	30	31	30	31	31	30	31	30	27	349
49	28	26	31	30	31	30	31	31	30	31	30	30	359
50	30	28	31	30	31	30	31	31	30	31	30	30	363
51	31	28	31	30	31	30	31	31	30	31	30	30	364
52	31	28	31	30	31	30	31	31	30	31	30	31	365

Minimum Temperature

17							1						1
18							2						2
20					1		2						3
22					1		2		1				4
23					2		2		1				5
24					2	1	2		1				6
25					4	1	2		1				8
26					4	2	2		2				10
27					4	4	2	1	2				13
28					6	4	3	1	3		1		18
29					7	6	4	1	5	2	2		27
30			1		9	9	5	2	6	2	2		36
31			1	1	11	12	10	3	7	3	4		52
32			3	1	13	13	13	8	10	6	4	2	73
33		2	5	2	15	15	15	11	13	9	8	3	98
34		2	7	4	15	17	18	14	16	11	11	5	120
35	1	2	9	6	22	18	18	20	18	15	14	6	149
36	2	7	11	11	23	24	21	23	19	17	17	8	183
37	5	10	16	15	23	24	23	24	22	20	19	9	210
38	6	13	19	18	25	26	25	28	28	23	24	13	248
39	11	16	21	20	26	27	30	31	29	26	26	17	280
40	15	18	22	22	27	29	31	31	30	29	27	18	299
41	19	19	26	24	31	30	31	31	30	31	29	19	320
42	22	23	30	28	31	30	31	31	30	31	30	22	339
43	28	25	31	30	31	30	31	31	30	31	30	28	356
44	30	26	31	30	31	30	31	31	30	31	30	30	361
45	31	27	31	30	31	30	31	31	30	31	30	31	364
47	31	28	31	30	31	30	31	31	30	31	30	31	365

FREQUENCY ANALYSES
MACQUARIE ISLAND 1959

Speed of Maximum Wind Gust

Upper Limit Range - Knots	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
20	2		1	1	1		4	1				7	17
30	8	5	3	9	11	5	7	5	4	4	4	21	86
40	21	17	17	19	19	14	9	13	10	12	16	25	192
50	28	27	27	26	27	21	23	19	13	23	25	28	287
60	30	27	31	28	29	27	28	25	23	29	27	30	333
70	31	28	31	28	30	29	30	29	27	31	29	31	354
80	31	28	31	29	30	30	30	29	29	31	30	31	359
90	31	28	31	29	31	30	31	30	30	31	30	31	363
100	31	28	31	30	31	30	31	30	30	31	30	31	364

Daily Amount of Precipitation

Range - Points													
00	4	2	2	5	2	1	3		3	5	4	10	41
05	16	9	12	14	12	9	19	10	17	20	15	27	180
10	21	15	16	20	21	14	24	15	23	28	24	31	252
20	24	21	24	27	28	24	28	27	27	30	25	31	316
30	28	22	27	29	30	29	30	31	28	31	29	31	345
40	31	24	29	30	30	30	31	31	29	31	29	31	356
50	31	25	30	30	30	30	31	31	29	31	29	31	358
60	31	27	31	30	31	30	31	31	29	31	29	31	362
70	31	27	31	30	31	30	31	31	30	31	29	31	363
80	31	27	31	30	31	30	31	31	30	31	29	31	363
90	31	27	31	30	31	30	31	31	30	31	29	31	363
100	31	28	31	30	31	30	31	31	30	31	30	31	365

Terrestrial Minimum Temperature

Upper Limit Range - °F													
16							1						1
17							2						2
18						1	2						3
20					3	1	2						6
21					4	1	2						7
22					5	1	2		1				9
23					6	2	2		1				11
24					7	4	2		2				15
25					8	7	3		2		1		21
26					8	7	3	1	2		2		23
27				1	8	9	3	2	4	2	2		31
28				1	11	10	4	2	4	2	2		36
29			2	1	12	14	8	3	10	3	3		56
30			3	4	13	15	11	5	11	5	5		72
31			5	6	17	16	16	10	13	9	8		100
32		2	7	7	21	17	19	13	13	10	13	5	127
33	1	2	11	8	23	20	20	19	18	15	16	7	160
34	1	4	12	10	23	22	22	21	20	17	18	7	177
35	2	8	14	13	25	22	26	23	22	18	19	10	202
36	2	13	17	16	26	23	28	26	24	21	22	13	231
37	2	14	20	18	28	24	29	29	26	25	25	15	255
38	2	18	21	20	28	26	31	30	27	28	27	16	274
39	2	20	23	24	29	28	31	30	28	30	28	16	289
40	2	20	23	25	31	29	31	30	28	31	30	18	298
41	2	23	26	28	31	29	31	30	28	31	30	21	310
42	2	25	27	29	31	29	31	30	28	31	30	24	317
43	2	26	27	29	31	29	31	30	28	31	30	28	322
44	2	27	27	29	31	29	31	30	28	31	30	30	325
45	2	27	27	29	31	29	31	30	28	31	30	31	326
47	2	28	27	29	31	29	31	30	28	31	30	31	327

FREQUENCY ANALYSES
MACQUARIE ISLAND 1959

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			1		1	2	1		2		1	1		1			10
	40	1	1	4	1	1	3	1		5		1	2		2			22
	41	2	2	4	1	2	6	1	3	11		1	3		2	1		39
	42	3	2	9	1	3	11	1	5	14		4	3	1	2	2		61
	43	5	4	13	4	3	16	3	7	17	2	6	3	1	2	2		88
	44	9	8	24	7	3	25	5	15	17	2	8	3	1	2	2		131
	45	21	10	39	9	1	28	6	16	18	2	9	4	1	2	2		177
	46	35	12	47	12	12	32	7	18	18	2	10	4	2	2	2		215
	47	38	13	52	14	14	34	9	21	18	3	10	4	2	2	2		236
	48	40	15	53	14	15	35	9	23	18	4	11	4	2	2	2		247
	49	40	15	53	14	15	35	9	23	18	5	11	4	2	2	2		248
Feb.	35	1																1
	37	1		1		1				1								4
	38	2		2		2	2		1	1								10
	39	3		4	2	3	6	1	1	2		1						23
	40	4		5	2	4	12	3	5	5	1	1	1					43
	41	4	2	6	4	6	20	4	6	5	1	1	2					61
	42	8	2	9	4	6	25	4	7	7	2	1	2					77
	43	14	5	15	7	8	29	4	8	8	2	2	2					104
	44	23	6	17	9	8	35	5	9	8	2	2	4					128
	45	41	8	27	9	11	42	5	10	8	2	2	4					169
	46	49	10	33	9	13	44	5	10	8	2	2	4					189
	47	52	11	38	10	13	46	5	10	8	2	2	4					201
	48	61	12	40	10	14	46	5	10	8	2	2	4					214
	49	67	12	41	10	14	46	5	11	8	2	2	4					222
	50	69	12	41	10	14	46	5	11	8	2	2	4					224
Mar.	33	1																1
	35	1	1		1			1		1				1	1			7
	36	2	1		3			2		1				1	1			11
	37	2	1	2	4	2	1	2		2		1		2	1			20
	38	3	1	2	8	2	4	2		3		1		2	1			29
	39	4	3	5	8	2	7	4	1	7	1	1		2	1			46
	40	11	4	14	9	3	11	5	3	9	2	1		2	2			76
	41	15	7	27	9	4	14	6	3	9	2	1		2	2			101
	42	21	8	39	11	5	16	6	5	11	2	1		2	2			129
	43	37	11	45	11	7	17	7	5	14	2	1		2	2			161
	44	50	16	53	11	7	20	7	5	14	2	1		2	2			190
	45	78	19	59	13	8	21	7	5	14	2	3		2	2			233
	46	86	21	60	14	8	21	7	6	14	2	3		2	2			246
	47	86	21	61	14	9	21	7	6	14	2	3		2	2			248
Apr.	33					1												1
	34					2												2
	35	1				3	2	2		1								9
	36	1			3	5	2	2		1	1							15
	37	1	2	1	3	6	5	2		1	1							22
	38	3	3	1	6	7	7	2		4	1							34
	39	12	5	5	8	8	9	2	1	5	2	2	1					60
	40	17	10	9	11	8	11	2	2	6	3	3	3					85
	41	23	14	13	11	11	14	3	2	8	5	3	3					110
	42	30	19	17	11	14	19	4	3	10	5	3	3					138
	43	54	24	20	11	14	20	4	3	11	5	3	3					172
	44	84	27	28	11	14	21	5	3	11	5	3	3					215
	45	97	28	35	11	14	21	5	3	11	5	3	3					236
	46	100	28	36	11	14	21	5	3	11	5	3	3					240

FREQUENCY ANALYSES
MACQUARIE ISLAND 1959

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.	23							1										1
	25				1	1		1	1									4
	26				1	3		1	1									6
	27				1	4	1	3	2									11
	28				2	4	3	3	2				1					15
	29				6	4	5	4	3				1		1			24
	30				11	5	6	5	3				1		1			32
	31	1		1	13	7	8	6	3				1		1			41
	32	1		1	13	7	10	7	3				1		1			44
	33	4	1	2	17	8	13	8	4				1		1			59
	34	6	1	3	20	1	16	10	4				1		1			72
	35	7	1	3	21	11	16	10	4		1		1	1	1			77
	36	7	2	3	25	13	18	12	4		5		2	1	1			93
	37	8	2	4	30	16	25	13	4	1	5		2	1	1			112
	38	10	3	7	32	17	32	13	4	1	5		2	2	1			129
	39	11	5	9	34	17	36	14	6	2	5		2	2	1			144
	40	12	8	16	38	17	38	15	7	3	5		2	2	1			164
	41	16	12	21	39	17	38	15	7	4	5		2	2	1			179
	42	29	14	22	41	17	39	15	7	4	5		2	2	1			198
	43	59	20	27	41	18	39	15	7	4	5		2	2	1			240
	44	64	20	29	41	18	39	15	7	4	5		2	2	1			247
	45	65	20	29	41	18	39	15	7	4	5		2	2	1			248
Jun	27						1											1
	28				1	1	2											4
	29		1		2	1	3											7
	30	2	2		3	3	4	1										15
	31	3	3	3	6	3	4	2		2								26
	32	3	5	3	7	3	4	3		2								30
	33	4	7	4	10	5	5	5	1	2				1				44
	34	7	7	5	11	5	5	9	4	2		2		1				58
	35	10	9	6	13	6	6	10	5	4		2		1			1	73
	36	11	9	7	14	8	7	13	5	4	1	2		1			1	83
	37	11	9	8	17	11	9	13	5	4	1	2	2	1			1	94
	38	12	9	9	19	11	13	13	5	6	1	2	2	2			2	106
	39	13	9	13	22	14	14	13	7	10	1	2	2	2			2	124
	40	18	9	20	22	15	17	13	7	11	1	2	2	2			2	141
	41	35	11	22	22	15	18	13	7	11	1	2	2	2			2	163
	42	64	13	25	22	15	18	13	7	11	1	2	2	2			2	197
	43	84	21	30	22	15	18	13	7	11	1	2	2	2			2	230
	44	89	21	31	22	15	19	13	7	11	1	2	2	2			2	237
	45	90	23	31	22	15	19	13	7	11	1	2	2	2			2	240
Jul.	19				1													1
	20				2	1												3
	21				3	1	1											5
	24				3	2	1			1								7
	28				3	2	1	1		1								8
	29				4	2	2	1		1								10
	30				6	2	2	1		1								12
	31		1		9	2	2	1		1								16
	32	2	1	3	9	3	2	1		1								22
	33	3	4	3	10	3	3	1		1								28
	34	5	4	4	11	3	3	3		1								34
	35	11	7	6	16	4	3	5		2	1				1			56
	36	12	7	6	18	4	4	10	1	3	4		1		1			71
	37	18	7	9	22	8	7	10	2	5	4		1	1	1			95
	38	24	10	13	25	11	13	11	2	7	4		1	1	1			123
	39	37	20	17	28	13	15	11	3	10	4		1	1	1			161
	40	51	28	29	28	13	17	12	3	10	4		1	1	1			198
	41	61	34	40	28	17	19	12	3	11	4		1	1	1			232
	42	62	35	47	28	19	22	12	3	13	4		1	1	1			248

FREQUENCY ANALYSES
MACQUARIE ISLAND 1959

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.	30			1														1
	31			2	1													3
	32		2	2	4	1												9
	33		3	2	7	1	1											14
	34	1	3	3	8	1	2	2										20
	35	2	3	3	13	3	3	3	1		2							33
	36	2	3	4	15	4	4	7	1	1	3							44
	37	2	4	7	18	6	8	7	1	3	6							62
	38	7	6	8	20	9	16	8	2	6	6	1						89
	39	17	11	11	26	12	22	9	5	7	6	1						127
	40	39	14	18	28	13	23	11	6	8	6	1						167
	41	64	22	22	30	15	27	12	6	8	6	1						213
	42	72	28	28	30	16	27	12	6	8	6	1						234
	43	76	29	32	30	16	27	12	6	8	6	1						243
	44	76	30	33	30	16	27	12	6	8	6	1						245
	45	76	30	34	30	18	27	12	6	8	6	1						248
Sep.	26				1													1
	27				1			1										2
	28	2			1			1										4
	31	2	2		1			1										6
	32	2	2	2	2			2										10
	33	2	2	2	2			5										13
	34	4	2	2	3			7	1		2	1						22
	35	5	2	2	4	1		7	2		2	2					1	28
	36	6	2	2	7	1		9	3	1	2	2		3	1		1	40
	37	6	4	4	8	2	1	9	4	1	2	3	1	6	1	1	3	56
	38	6	4	6	10	3	3	10	4	3	2	4	1	6	1	2	3	68
	39	8	6	10	12	7	5	12	6	6	4	9	2	7	1	3	4	102
	40	11	10	20	15	11	9	14	6	6	6	9	3	7	1	4	4	136
	41	21	21	29	17	14	13	17	6	9	7	9	4	7	1	4	4	183
	42	30	26	41	17	19	18	18	7	10	7	9	4	7	1	4	4	222
	43	34	28	46	17	21	18	19	7	10	7	9	4	7	1	4	4	236
	44	37	28	47	17	21	18	19	7	10	7	9	4	7	1	4	4	240
Oct.	30		2	2														4
	31	1	2	3	1													7
	32	2	2	5	1	1												11
	33	4	3	5	3	2			1									18
	34	4	3	5	4	3	1	2	1									23
	35	4	3	5	5	3	2	4	2		3	1	2	2				36
	36	4	3	6	6	3	3	8	4	1	5	2	3	2				50
	37	4	3	8	10	4	7	12	5	2	6	5	3	2				71
	38	4	4	10	13	6	11	15	7	3	7	5	3	2	1			91
	39	6	6	18	16	8	14	17	9	3	8	5	3	2	1			116
	40	8	7	28	17	8	22	20	11	5	8	6	3	2	1			146
	41	15	18	38	20	12	24	22	11	5	8	6	3	3	1			186
	42	27	20	53	21	13	25	23	11	5	9	6	3	3	1			220
	43	38	25	59	22	14	26	23	11	5	9	6	3	3	1			245
	44	38	25	59	22	16	26	24	11	5	9	6	3	3	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.	30									1								1
	31			1						2								3
	32		1	2	2					3			1					9
	33	2	1	2	2					3	1		1					12
	34	2	1	3	2			1	1	3	1		1					15
	35	2	1	4	3	1	2	1	3	3	4		1	1				26
	36	3	1	4	5	2	2	5	3	3	4	1	1	1				35
	37	3	1	4	5	3	3	6	4	3	4	2	1	2			1	42
	38	3	2	7	6	3	3	6	6	7	7	4	5	5	2	2	1	69
	39	6	8	13	6	4	7	8	6	8	10	6	6	5	3	5	3	104
	40	7	10	14	7	9	12	10	7	9	10	8	6	6	3	5	3	126
	41	12	13	24	10	10	15	10	7	11	10	9	6	6	3	5	3	154
	42	29	24	30	12	11	21	10	8	11	10	10	6	6	4	5	3	200
	43	37	32	39	12	12	27	11	8	11	10	10	6	6	4	5	3	233
	44	38	36	39	12	12	28	11	8	11	10	10	6	6	4	5	3	239
	45	38	37	39	12	12	28	11	8	11	10	10	6	6	4	5	3	240
Dec.	34										2							2
	35									1	2	2	1	1		1		8
	36							2		1	5	2	1	3	1	1	1	17
	37							2		1	5	2	1	3	1	1	2	18
	38		1			1	3	2		3	5	3	1	5	1	1	3	29
	39	1	1	1		1	6	4		4	8	4	2	5	1	2	3	43
	40	1	1	2		2	7	5	3	7	8	4	3	5	2	2	4	56
	41	2	4	5		5	8	6	6	10	9	5	3	5	2	2	4	76
	42	8	6	8	1	5	9	8	7	11	12	5	4	5	3	2	4	98
	43	15	9	14	3	5	11	10	8	13	12	6	4	5	3	2	4	124
	44	22	11	22	5	7	14	10	9	13	12	8	4	5	4	2	4	152
	45	34	17	34	7	7	18	11	9	13	12	9	4	5	4	2	4	190
	46	51	22	39	8	8	19	12	9	13	12	9	4	5	4	2	4	221
	47	56	27	43	8	11	19	12	9	13	12	9	4	5	4	2	4	238
	48	58	28	44	8	13	19	12	9	13	12	9	4	5	4	2	4	244
	49	58	28	45	8	13	19	12	10	13	12	9	4	5	4	2	4	246
	50	58	28	45	8	13	19	12	11	13	12	9	4	5	4	2	4	247
	52	58	28	45	8	13	19	12	11	13	13	9	4	5	4	2	4	248

FREQUENCY ANALYSES
MACQUARIE ISLAND 1959

	Direction x 10°	Direction and Speed of Surface Wind						
		Calm	1-9	10-19	20-29	30-39	40-49	≥50	Total
Jan.	35 36 01		6	3	0	0	0	0	9
	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	0	0	0	0	2
	11 12 13		2	5	0	1	0	0	8
	14 15 16		4	4	0	0	0	0	8
	17 18 19		5	0	0	0	0	0	5
	20 21 22		8	10	7	1	0	0	26
	23 24 25		12	17	21	3	0	0	53
	26 27 28		21	32	24	2	0	0	79
	29 30 31		11	15	11	3	0	0	40
	32 33 34		6	4	2	0	0	0	12
									5
		5	77	91	65	10	0	0	248
Feb.	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		1	0	0	0	0	0	1
	11 12 13		1	1	0	0	0	0	2
	14 15 16		2	1	0	0	0	0	3
	17 18 19		4	0	0	0	0	0	4
	20 21 22		4	6	0	1	0	0	11
	23 24 25		1	31	17	2	0	0	51
	26 27 28		6	33	47	6	0	0	92
	29 30 31		3	23	21	0	0	0	47
	32 33 34		5	2	4	0	0	0	11
									2
		2	27	97	89	9	0	0	224
Mar.	35 36 01		2	0	0	0	0	0	2
	02 03 04		0	0	0	0	0	0	0
	05 06 07		1	0	0	0	0	0	1
	08 09 10		4	2	2	0	0	0	8
	11 12 13		0	0	0	0	0	0	0
	14 15 16		2	4	0	0	0	0	6
	17 18 19		5	2	0	0	0	0	7
	20 21 22		6	8	7	4	0	0	25
	23 24 25		5	38	28	3	0	0	74
	26 27 28		10	29	35	7	0	0	81
	29 30 31		1	12	12	5	0	0	30
	32 33 34		3	7	0	0	0	0	10
									4
		4	39	102	84	19	0	0	248
Apr.	35 36 01		0	0	0	0	0	0	0
	02 03 04		0	0	0	0	0	0	0
	05 06 07		1	1	0	0	0	0	2
	08 09 10		3	4	2	1	0	0	10
	11 12 13		9	7	7	2	0	0	25
	14 15 16		7	3	2	0	0	0	12
	17 18 19		2	0	0	0	0	0	2
	20 21 22		2	9	7	3	0	0	21
	23 24 25		17	38	12	5	1	1	74
	26 27 28		11	23	25	1	3	1	64
	29 30 31		3	10	6	1	0	0	20
	32 33 34		0	0	0	0	0	0	0
									10
		10	55	95	61	13	4	2	240

FREQUENCY ANALYSES
MACQUARIE ISLAND 1959

	Direction x 10°	Direction and Speed of Surface Wind						
		Calm	1-9	10-19	20-29	30-39	40-49	≥50	Total
May.	35 36 01		1	0	0	0	0	0	1
	02 03 04		1	0	0	0	0	0	1
	05 06 07		0	0	1	0	0	0	1
	08 09 10		0	0	0	0	0	0	0
	11 12 13		4	9	3	4	1	0	21
	14 15 16		23	12	6	2	0	0	43
	17 18 19		10	1	0	0	0	0	11
	20 21 22		11	9	14	1	0	0	35
	23 24 25		7	24	9	4	2	0	46
	26 27 28		5	34	15	6	0	0	60
	29 30 31		2	13	9	0	0	0	24
	32 33 34		0	1	0	0	0	0	1
									4
		4	64	103	57	17	3	0	248
Jun.	35 36 01		0	0	0	0	0	0	0
	02 03 04		0	0	0	0	0	0	-
	05 06 07		1	0	0	0	0	0	1
	08 09 10		0	0	0	0	0	0	0
	11 12 13		8	7	1	0	0	0	16
	14 15 16		5	3	1	0	0	0	9
	17 18 19		4	2	0	0	0	0	6
	20 21 22		5	7	10	2	0	0	24
	23 24 25		4	33	39	11	1	0	88
	26 27 28		0	25	35	5	1	0	66
	29 30 31		3	4	14	4	1	0	26
	32 33 34		0	0	0	0	0	0	0
									4
		4	30	81	100	22	3	0	240
Jul.	35 36 01		3	0	0	0	0	0	3
	02 03 04		1	0	0	0	0	0	1
	05 06 07		4	0	0	0	0	0	4
	08 09 10		1	1	0	0	0	0	2
	11 12 13		1	1	0	0	0	0	2
	14 15 16		3	0	1	0	0	0	4
	17 18 19		3	3	0	1	0	0	7
	20 21 22		4	22	16	5	0	0	47
	23 24 25		5	32	27	5	2	0	71
	26 27 28		5	16	12	6	0	0	39
	29 30 31		23	15	6	1	0	0	45
	32 33 34		7	7	0	0	0	0	14
									9
		9	60	97	62	18	2	0	248
Aug.	35 36 01		4	3	4	0	0	0	11
	02 03 04		4	0	0	0	0	0	4
	05 06 07		0	3	0	0	0	0	3
	08 09 10		0	1	0	0	0	0	1
	11 12 13		0	0	0	0	0	0	0
	14 15 16		0	0	0	0	0	0	0
	17 18 19		0	0	0	0	0	0	0
	20 21 22		0	4	2	0	0	0	6
	23 24 25		4	18	4	7	3	0	36
	26 27 28		7	25	31	12	2	3	80
	29 30 31		5	15	22	21	4	2	69
	32 33 34		5	7	10	4	2	0	28
									10
		10	29	76	73	44	11	5	248

FREQUENCY ANALYSES
MACQUARIE ISLAND 1959

	Direction x 10°	Direction and Speed of Surface Wind						
		Calm	1-9	10-19	20-29	30-39	40-49	≥50	Total
Sep.	35 36 01		5	5	0	0	0	0	10
	02 03 04		0	2	0	0	0	0	2
	05 06 07		0	0	0	0	0	0	0
	08 09 10		1	0	0	0	0	0	1
	11 12 13		0	0	0	0	0	0	0
	14 15 16		1	4	2	0	0	0	7
	17 18 19		0	0	0	0	0	0	0
	20 21 22		1	0	0	0	0	0	1
	23 24 25		0	0	4	1	0	0	5
	26 27 28		2	5	26	28	1	0	62
	29 30 31		6	13	35	47	12	1	114
	32 33 34		8	6	11	5	2	0	32
									6
		6	24	35	78	81	15	1	240
Oct.	35 36 01		0	0	1	0	0	0	1
	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		1	1	0	0	0	0	2
	17 18 19		3	6	6	0	0	0	15
	20 21 22		0	8	0	0	0	0	8
	23 24 25		3	14	12	1	0	0	30
	26 27 28		2	28	41	17	4	0	92
	29 30 31		4	20	34	9	1	0	68
	32 33 34		1	10	13	8	0	0	32
									0
		0	14	87	107	35	5	0	248
Nov.	35 36 01		1	1	1	0	0	0	3
	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		2	0	0	0	0	0	2
	14 15 16		1	3	3	0	0	0	7
	17 18 19		5	2	0	0	0	0	7
	20 21 22		3	3	1	0	0	0	7
	23 24 25		7	12	14	3	0	0	36
	26 27 28		13	23	34	11	3	0	84
	29 30 31		4	17	25	8	4	0	58
	32 33 34		0	18	10	2	1	0	31
									5
		5	36	79	88	24	8	0	240
Dec.	35 36 01		0	9	6	3	1	0	19
	02 03 04		3	2	0	0	0	0	5
	05 06 07		0	0	0	0	0	0	0
	08 09 10		0	1	0	0	0	0	1
	11 12 13		1	0	1	0	0	0	2
	14 15 16		6	6	1	1	0	0	14
	17 18 19		5	6	0	0	0	0	11
	20 21 22		3	5	0	0	0	0	8
	23 24 25		10	3	2	0	0	0	15
	26 27 28		31	25	4	0	0	0	60
	29 30 31		23	35	9	0	0	0	67
	32 33 34		9	12	11	2	1	0	35
									11
		11	91	104	34	6	2	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					5	4	1					1	11
509			2	2	7	6	7	3	9	5	5	2	48
506	4	7	9	6	13	10	13	12	18	10	14	3	119
503	12	14	14	12	16	15	20	20	28	17	22	7	197
000	21	21	20	16	24	22	27	27	29	26	27	16	276
003	26	22	25	21	28	28	28	30	30	29	29	24	320
006	28	24	27	27	30	28	30	30	30	29	29	27	339
009	30	26	30	30	30	28	30	30	30	29	29	30	352
012	31	27	30	30	30	28	30	30	30	29	29	30	354

Temperature at 700 mb

524					1	1							2
521					4	2		2	3	1	2		14
518		3	1	1	5	5	8	3	7	2	4		39
515	1	6	3	3	11	8	10	6	15	6	7		76
512	9	9	9	7	12	11	18	12	19	12	11	2	131
509	17	15	13	13	19	20	24	28	27	19	19	8	222
506	24	18	19	17	28	27	28	30	30	25	26	20	292
503	27	24	24	25	30	28	30	30	30	28	28	27	331
000	30	26	29	28	30	28	30	30	30	29	29	29	348
003	30	27	30	29	30	28	30	30	30	29	29	30	352
006	31	27	30	29	30	28	30	30	30	29	29	30	353

Temperature at 500 mb

542								1					1
539							2	3	1	1			7
536		2		1	2	2	3	4	3	1	2		20
533	1	2		1	6	5	7	6	9	5	5		47
530	3	4	2	3	8	7	18	9	12	8	12		86
527	7	10	6	6	12	18	22	21	19	15	13	2	151
524	13	14	11	13	21	25	26	29	29	22	18	7	228
521	18	17	19	20	27	28	29	30	30	27	26	24	295
518	23	22	21	25	28	28	30	30	30	29	29	28	323
515	26	23	29	28	28	28	30	30	30	29	29	30	340
512	27	27	30	29	28	28	30	30	30	29	29	30	347
509	28	27	30	29	28	28	30	30	30	29	29	30	348

Temperature at 300 mb

563							1						1
560							5	2	4				11
557				1	2	4	13	15	7	4	1		47
554			2	3	8	19	20	22	19	12	5		110
551	8	7	9	7	21	27	28	29	30	24	17	9	216
548	14	15	14	15	25	28	29	30	30	29	21	21	271
545	18	18	20	24	27	28	29	30	30	29	28	30	311
542	21	24	27	27	27	28	30	30	30	29	29	30	332
539	24	25	29	28	28	28	30	30	30	29	29	30	341
536	24	26	29	29	28	28	30	30	30	29	29	30	342

FREQUENCY ANALYSES
MACQUARIE ISLAND 1959

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							1	2					3
572						1	4	3	3				11
569					2	5	8	4	6	1		2	28
566					5	5	9	9	13	5	2	3	51
563	2	1	5	3	8	10	11	12	19	10	4	7	92
560	3	2	10	11	14	13	15	15	24	14	5	11	137
557	6	5	11	14	15	18	21	21	26	20	11	16	184
554	9	8	15	15	17	22	27	25	27	23	12	22	222
551	10	9	19	20	19	25	29	30	29	24	20	27	261
548	17	14	24	25	25	25	29	30	30	27	23	28	297
545	21	19	25	28	27	25	29	30	30	27	26	30	317
542	22	23	28	29	27	25	29	30	30	27	27	30	327
539	22	26	28	29	28	25	29	30	30	27	28	30	332

Temperature at 150 mb

569							3	1					4
566				1		1	6	4	7	2			21
563				2		2	10	7	16	2			39
560		2	4	4	4	5	12	13	20	7	2	1	74
557	3	3	9	10	11	13	16	18	25	15	6	6	137
554	6	5	13	14	15	20	27	22	26	21	8	21	198
551	11	10	19	20	20	23	28	28	29	24	18	26	256
548	14	14	25	25	25	24	28	28	30	26	23	29	291
545	19	18	28	27	26	24	28	28	30	26	25	30	310
542	20	24	28	27	28	24	28	28	30	27	28	30	322

Temperature at 100 mb

569									2				2
566							5	2	8	1			16
563				2		1	8	5	15	1			32
560				4	1	6	13	12	19	5			60
557	2	2	6	10	5	11	19	19	23	11	2	2	112
554	5	5	12	18	15	20	24	22	25	20	8	12	186
551	10	9	21	23	21	21	24	26	26	23	18	27	249
548	16	15	26	25	25	22	24	26	28	24	23	29	283
545	18	22	27	26	26	22	24	26	28	27	25	30	301
542	18	24	27	26	27	22	24	26	28	27	25	30	304
539	18	24	27	26	27	22	24	26	28	27	25	30	304
536	18	24	27	26	27	22	24	26	28	27	25	30	305

Temperature at Tropopause

578							1	1					2
575							4	3	1				8
572						1	8	3	4	1			17
569			1		4	4	9	6	8	2	1	2	37
566		1	2	3	6	7	12	14	14	8	3	3	73
563	2	1	9	6	14	15	18	19	20	15	5	8	132
560	4	3	12	11	17	17	24	21	25	19	11	16	180
557	10	6	15	14	18	19	26	26	26	23	17	25	225
554	15	13	21	17	19	22	28	28	29	25	22	28	267
551	19	20	24	21	23	23	29	30	30	28	24	29	300
548	23	23	24	25	25	23	29	30	30	28	25	30	315
545	23	26	27	26	27	24	29	30	30	28	28	30	328
542	23	26	29	27	27	24	29	30	30	28	28	30	331
539	23	26	29	27	28	24	29	30	30	28	28	30	332
536	23	26	29	28	28	24	29	30	30	28	28	30	333

FREQUENCY ANALYSES
MACQUARIE ISLAND 1959

Geopotential at 850 mb

Upper Limit Range gpDm	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
105					1	1				1			3
110				1	2	1	1	1	1	2	1		10
115		1		2	4	3	2	1	5	5	5		28
120		5	6	4	7	5	8	5	6	6	7		59
125	3	11	9	8	10	11	14	8	11	8	10	1	104
130	13	17	12	12	13	13	17	16	20	11	16	2	162
135	17	21	18	17	18	18	22	25	22	17	24	6	225
140	23	24	23	21	19	21	23	28	27	21	28	18	276
145	27	26	27	27	24	27	25	30	30	26	29	24	322
150	29	27	30	28	29	28	28	30	30	26	29	29	343
155	31	27	30	29	30	28	30	30	30	28	29	30	352
160	31	27	30	30	30	28	30	30	30	29	29	30	354

Geopotential at 700 mb

255					2	1				1	2		6
260				1	3	1		1	2	2	5		15
265		2		3	4	3	4	1	5	5	5		32
270		5	4	3	8	5	6	4	7	6	8		56
275	1	8	7	5	10	10	15	9	12	8	10		94
280	8	15	11	8	13	12	17	12	18	11	15	2	140
285	14	19	14	12	15	19	22	24	23	17	19	4	202
290	22	22	21	19	19	22	23	27	27	20	27	9	258
295	25	23	25	21	23	25	25	30	30	25	28	18	296
300	27	25	27	24	25	27	26	30	30	26	29	24	320
305	29	27	30	27	29	28	28	30	30	28	29	29	344
310	30	27	30	28	30	28	30	30	30	29	29	30	351
315	31	27	30	28	30	28	30	30	30	29	29	30	352
320	31	27	30	29	30	28	30	30	30	29	29	30	353

Geopotential at 500 mb

495					1	1				1			3
500				1	1	1				1	1		5
505				1	4	2	2		3	1	3		16
510		1		2	6	2	3	2	6	2	5		29
515		4	2	2	7	4	7	5	6	6	8		51
520		5	3	2	8	7	13	6	11	6	9		70
525	2	7	8	4	10	7	16	10	15	8	11		98
530	5	14	10	4	12	12	19	15	21	11	13	2	138
535	9	17	14	8	13	18	21	23	24	14	13	2	176
540	12	19	15	15	15	21	22	27	25	17	19	5	212
545	15	19	17	19	18	23	25	30	28	21	26	9	247
550	20	22	19	22	22	26	24	30	30	25	28	15	293
555	24	23	23	23	23	27	26	30	30	27	29	21	306
560	24	24	25	24	27	28	28	30	30	28	29	29	326
565	26	27	27	26	28	28	29	30	30	29	29	30	341
570	27	27	27	28	28	28	29	30	30	29	29	30	342
575	28	27	29	28	28	28	29	30	30	29	29	30	345
580	28	27	29	29	28	28	30	30	30	29	29	30	347
585	28	27	29	29	28	28	30	30	30	29	29	30	347
590	28	27	30	29	28	28	30	30	30	29	29	30	348

FREQUENCY ANALYSES
MACQUARIE ISLAND 1959

Geopotential at 300 mb

Upper Limit Range gpDm	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
830										1			1
840					1	1	2	1	3	1	1		10
850				1	4	3	3	2	5	2	4		24
860		3	1	1	8	5	11	6	9	5	7		56
870	2	5	2	3	10	8	18	12	15	8	10		93
880	4	11	8	5	12	15	20	19	20	14	13	1	142
890	9	16	15	12	16	21	22	29	26	16	15	4	201
900	13	20	16	17	22	26	24	30	29	23	25	9	254
910	17	20	20	23	27	27	28	30	30	28	28	20	298
920	21	23	23	24	28	28	30	30	30	29	29	29	324
930	22	24	29	27	28	28	30	30	30	29	29	30	336
940	24	26	29	28	28	28	30	30	30	29	29	30	341
950	24	26	29	29	28	28	30	30	30	29	29	30	342

Geopotential at 200 mb

1090									1				1
1100							2	1	5	2	1		11
1110					1	2	8	3	9	4	2		29
1120				1	4	4	16	7	10	4	5		51
1130		4		2	9	10	20	19	20	8	8		100
1140	3	6	4	4	13	19	21	29	25	13	13		150
1150	8	14	13	10	21	22	22	30	29	17	18	4	208
1160	12	17	17	16	25	25	24	30	30	25	25	11	257
1170	16	20	19	22	28	25	29	30	30	27	28	23	297
1180	19	23	22	23	28	25	29	30	30	27	28	30	314
1190	20	24	28	27	28	25	29	30	30	27	28	30	326
1200	21	25	28	28	28	25	29	30	30	27	28	30	330
1210	22	26	28	29	28	25	29	30	30	27	28	30	332

Geopotential at 150 mb

1270									1				1
1280							1	1	6	2	1		11
1290							6	4	9	4	1		24
1300					1	4	15	7	13	4	2		46
1310				1	5	9	18	18	19	8	6		84
1320		1	1	2	12	20	21	27	28	13	8		133
1330	3	5	6	5	21	23	25	28	30	19	16		181
1340	8	12	13	15	25	24	28	28	30	25	23	8	239
1350	12	18	20	20	28	24	28	28	30	27	28	24	287
1360	16	21	22	23	28	24	28	28	30	27	28	29	304
1370	17	23	27	25	28	24	28	28	30	27	28	30	315
1380	19	24	28	26	28	24	28	28	30	27	28	30	320
1390	20	24	28	27	28	24	28	28	30	27	28	30	322

FREQUENCY ANALYSES
MACQUARIE ISLAND 1959

Geopotential at 100 mb

Upper Limit Range gpDm	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
1480						1							1
1490						1							1
1500						1							1
1510						1							1
1520						1			2				3
1530						1		1	7				9
1540						1	2	4	9	2	1		19
1550						3	10	5	14	4	1		37
1560						7	15	11	17	5	1		56
1570					5	12	17	21	22	12	4		93
1580			1	1	15	19	23	25	28	13	6		131
1590		1	4	5	22	20	24	26	28	22	13		165
1600	3	6	9	15	25	21	24	26	28	26	20	7	210
1610	9	15	17	21	27	21	24	26	28	27	26	21	262
1620	13	22	21	24	27	22	24	26	28	27	26	30	290
1630	15	23	26	25	27	22	24	26	28	27	26	30	299
1640	18	24	27	26	27	22	24	26	28	27	26	30	305

Geopotential at Tropopause

600					1								1
650					1	1					1		3
700			1		1	1	1				1		5
750		2	2	1	2	1	1		2	1	3	1	16
800	2	4	3	2	3	1	1		2	1	5	1	25
850	2	8	3	2	5	1	3	2	2	2	5	1	36
900	3	11	6	11	10	6	9	6	6	6	7	1	82
950	5	12	9	12	10	8	12	7	7	7	12	2	103
1000	9	16	11	14	13	11	16	17	12	11	15	3	148
1050	13	17	16	16	17	16	18	22	17	18	19	15	204
1100	16	19	19	22	23	20	19	27	20	22	22	23	252
1150	17	22	22	23	26	22	23	29	28	24	26	25	287
1200	23	25	28	24	28	24	25	30	28	27	27	30	319
1250	23	25	28	26	28	24	27	30	30	28	28	30	327
1300	23	26	29	26	28	24	28	30	30	28	28	30	330
1350	23	26	29	27	28	24	29	30	30	28	28	30	332
1400	23	26	29	28	28	24	29	30	30	28	28	30	333

Pressure at Tropopause

Upper Limit Range - mb	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
150							1						1
200	5	4	6	5	3	2	9	3	9	5	3	4	58
250	13	9	14	12	15	15	16	16	21	18	13	24	186
300	21	18	26	25	25	23	28	28	28	26	23	29	300
350	23	24	27	27	26	23	28	30	29	27	25	29	318
400	23	26	29	28	27	23	29	30	30	28	27	30	330
450	23	26	29	28	27	24	29	30	30	28	28	30	332
500	23	26	29	28	28	24	29	30	30	28	28	30	333

FREQUENCY ANALYSES
MAWSON 1959

Station Level Pressure

Upper Limit Range - mb	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
955													
960										2			2
965			1		5					5	1		6
970	2	8	18		10		7		14	9	14		43
975	12	14	37		17		23	5	30	23	32		130
980	36	20	66	7	51	12	46	34	58	49	69	5	289
985	55	87	96	55	89	53	79	76	113	77	139	13	614
990	125	175	148	101	119	79	154	122	158	133	169	71	1121
995	197	224	189	136	149	111	186	155	192	167	192	152	1726
1000	228	224	231	170	183	147	221	190	212	188	222	191	2160
1005	236	224	248	203	224	173	242	225	229	218	239	235	2515
1010	248	224	248	222	242	220	248	238	240	241	240	243	2744
1015	248	224	248	226	248	240	248	243	240	248	240	248	2866
1020	248	224	248	238	248	240	248	248	240	248	240	248	2901
													2918

Maximum Temperature

Upper Limit Range - °F	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
519									2				2
515									3				3
512								1	3				4
511							1	4	3				8
510							1	4	4				9
509							1	5	5				11
508							1	6	6				13
507							2	7	6				15
506							2	7	7				16
505							2	7	8				17
504						1	3	7	10				21
503					1	2	5	7	11				26
502					2	3	6	7	14				32
501				1	2	5	7	8	14				37
000				2	2	7	8	10	16				45
001				3	3	7	8	10	16				47
002				3	4	9	11	10	17				54
003				3	4	10	14	10	17				58
004				5	8	11	16	11	19				70
005				6	10	12	17	13	20				78
006				6	10	12	19	14	21	1			83
007				7	11	12	19	14	22	2			87
008				10	13	12	22	15	22	3			97
009				10	13	13	23	16	24	4			103
010				11	15	16	23	18	24	5			112
011				13	17	17	24	19	26	9			125
012				14	18	17	25	19	26	11			130
013				14	18	19	25	22	27	12			137
014				15	20	21	25	25	27	16			149
015			3	17	20	24	26	26	27	17			160
016			4	20	21	25	27	26	28	19			170
017			6	20	23	25	28	26	28	21	2		179
018		1	6	24	24	26	29	27	29	22	2		190
019		1	8	26	24	27	30	28	29	25	4		202
020		1	8	26	27	29	31	28	29	27	4		210
021		2	14	26	27	29	31	29	30	28	8		224
022		3	14	27	27	30	31	29	30	28	8		227
023		5	16	28	28	30	31	29	30	29	11		237
024		7	19	28	29	30	31	30	30	30	12		246
025		9	22	29	30	30	31	30	30	31	14		256
026		12	23	29	30	30	31	31	30	31	16		263
027	3	13	25	29	31	30	31	31	30	31	21		275
028	4	18	25	29	31	30	31	31	30	31	23	1	284
029	5	21	26	29	31	30	31	31	30	31	26	1	292
030	5	21	29	29	31	30	31	31	30	31	29	2	299
031	6	23	29	30	31	30	31	31	30	31	30	3	305
032	12	24	30	30	31	30	31	31	30	31	30	3	313
033	19	24	31	30	31	30	31	31	30	31	30	8	326
034	23	24	31	30	31	30	31	31	30	31	30	10	332
035	26	26	31	30	31	30	31	31	30	31	30	14	341
036	28	27	31	30	31	30	31	31	30	31	30	17	347
037	29	28	31	30	31	30	31	31	30	31	30	21	353
038	29	28	31	30	31	30	31	31	30	31	30	23	355
039	30	28	31	30	31	30	31	31	30	31	30	26	359
040	31	28	31	30	31	30	31	31	30	31	30	28	362
041	31	28	31	30	31	30	31	31	30	31	30	29	363
042	31	29	31	30	31	30	31	31	30	31	30	31	365

FREQUENCY ANALYSES
MAWSON 1959

Minimum Temperature

Upper Limit Range - °F	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
528									1				1
527									2				2
524									4				4
519							1	2	5				8
518							1	4	6				11
517							1	4	7				12
516							2	7	7				16
515							2	7	9				18
514						1	3	7	11				22
513					1	1	3	7	14				26
512					2	3	5	7	16				33
511					2	5	7	7	17				39
510				1	3	6	7	7	17				41
509				2	4	7	8	9	19				49
508				2	4	7	10	9	19				51
507				3	5	9	12	10	19	1			59
506				3	8	9	14	11	20	1			66
505				4	10	12	14	11	20	1			72
504				4	10	14	15	12	22	2			80
503				7	11	17	19	14	22	3			93
502				9	12	17	19	15	23	5			100
501				11	16	19	21	17	23	6			113
000				12	17	19	21	17	23	9			118
001				13	17	20	23	17	23	10			123
002				14	19	20	24	18	25	11			131
003				17	21	21	24	22	25	15			145
004			1	17	21	22	24	23	25	15			148
005			1	17	21	22	26	24	25	16			152
006			2	18	23	22	27	26	26	17			161
007		1	4	19	24	22	28	26	26	21	2		173
008		1	5	23	25	23	28	27	26	24	4		186
009		3	7	24	27	24	28	27	27	27	6		200
010		4	9	24	28	25	29	28	27	28	7		209
011		6	10	25	29	27	29	28	28	30	9		222
012		6	12	26	29	27	30	29	30	30	11		230
013		10	14	27	30	28	31	31	30	31	14		246
014		11	14	27	30	28	31	31	30	31	16		249
015		13	15	29	30	30	31	31	30	31	19		259
016		15	15	29	30	30	31	31	30	31	24		265
017		16	15	29	31	30	31	31	30	31	27		271
018	1	18	19	30	31	30	31	31	30	31	28		280
019	3	19	21	30	31	30	31	31	30	31	30		287
020	5	19	23	30	31	30	31	31	30	31	30	1	292
021	5	21	25	30	31	30	31	31	30	31	30	2	297
022	6	21	25	30	31	30	31	31	30	31	30	3	299
023	9	22	28	30	31	30	31	31	30	31	30	6	309
024	11	25	28	30	31	30	31	31	30	31	30	10	318
025	16	26	29	30	31	30	31	31	30	31	30	13	324
026	20	26	29	30	31	30	31	31	30	31	30	17	336
027	25	28	29	30	31	30	31	31	30	31	30	20	345
028	27	28	30	30	31	30	31	31	30	31	30	23	352
029	30	28	30	30	31	30	31	31	30	31	30	24	356
030	31	28	30	30	31	30	31	31	30	31	30	25	359
031	31	28	31	30	31	30	31	31	30	31	30	26	360
032	31	28	31	30	31	30	31	31	30	31	30	28	362
034	31	28	31	30	31	30	31	31	30	31	30	30	364
036	31	28	31	30	31	30	31	31	30	31	30	31	365

FREQUENCY ANALYSES
MAWSON 1959

Speed of Maximum Wind Gust

Upper Limit Range-Knots	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
10	1												1
20	1	1		1	1	1	1				2	2	10
30	11	3	2	5	1	5	3	3		5	4	6	48
40	22	20	10	12	10	14	13	13	5	15	17	22	173
50	24	25	19	23	17	25	19	19	14	22	25	26	258
60	30	27	22	27	23	29	23	23	21	25	29	28	307
70	31	28	29	30	30	30	27	25	22	27	30	28	337
80	31	28	30	30	31	30	29	28	26	29	30	31	353
90	31	28	30	30	31	30	29	30	29	31	30	31	360
100	31	28	31	30	31	30	30	31	30	31	30	31	364
110	31	28	31	30	31	30	31	31	30	31	30	31	365

Daily Duration of Sunshine

Upper Limit Range-Hours													
00	7	5	11	5	13	26	23	13	13	6	4	3	129
01	11	6	16	7	14	28	25	13	15	6	6	4	151
02	13	6	16	9	18	30	27	18	17	6	6	7	173
03	15	6	18	9	20	30	28	20	17	7	9	7	186
04	15	7	19	11	25	30	30	22	17	11	10	10	207
05	16	8	20	11	29	30	31	22	18	13	11	12	221
06	16	8	21	15	29	30	31	22	20	14	11	14	231
07	16	10	21	22	31	30	31	24	21	14	14	16	250
08	16	12	21	29	31	30	31	26	23	15	14	18	266
09	17	12	29	30	31	30	31	30	30	16	15	19	290
10	17	12	30	30	31	30	31	31	30	16	17	19	294
11	19	13	30	30	31	30	31	31	30	18	18	20	301
12	21	13	30	30	31	30	31	31	30	20	18	20	305
13	21	15	30	30	31	30	31	31	30	26	18	23	316
14	22	18	31	30	31	30	31	31	30	29	20	25	328
15	25	25	31	30	31	30	31	31	30	31	23	25	343
16	26	26	31	30	31	30	31	31	30	31	26	26	349
17	28	28	31	30	31	30	31	31	30	31	29	27	357
18	31	28	31	30	31	30	31	31	30	31	30	29	363
19	31	28	31	30	31	30	31	31	30	31	30	31	365

FREQUENCY ANALYSES
MAWSON 1959

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		1				1
	020		1															3
	021		1									1		2	1	1	1	7
	022		1						1			1		3	2	2	2	12
	023		1						1			1		3	2	3	3	14
	024		1						1			1		4	2	5	4	18
	025	4	2						3		1	1	2	5	2	5	5	30
	026	8	6		2			1	5		2	2	2	7	2	5	9	49
	027	11	9	1	7	4	1	3	6		3	3	3	8	2	5	12	78
	028	12	12	4	10	5	2	4	7		4	4	3	8	4	7	14	100
	029	12	13	5	14	5	3	6	8	1	6	4	3	8	8	8	16	120
	030	13	16	5	15	6	6	7	13	3	10	7	4	10	11	9	21	156
	031	13	16	5	16	7	7	8	16	5	13	7	8	11	13	11	28	184
	032	14	16	5	16	7	7	11	16	7	14	7	9	11	13	13	38	204
	033	14	16	5	16	7	7	11	17	9	14	8	11	11	15	13	48	222
	034	14	16	5	16	7	7	11	17	9	16	8	11	11	15	14	52	229
	035	14	16	5	16	7	7	11	17	9	17	9	12	12	15	14	59	240
	036	14	16	5	16	7	7	11	17	9	19	10	12	12	15	14	59	243
	037	14	16	5	16	7	7	11	17	9	19	10	12	12	16	15	61	247
	039	14	16	5	16	7	7	11	17	9	19	10	12	12	16	15	62	248
Feb.	009																1	1
	010														1		5	6
	011														2		10	12
	012														2		13	15
	013													1	2		17	20
	014												1	1	2		21	25
	015												1	1	2		32	36
	016												1	1	2	1	36	41
	017												1	1	2	2	44	50
	018												1	1	3	2	54	61
	019												1	1	3	2	64	71
	020												1	1	3	2	79	86
	021												1	1	3	2	89	96
	022							1		1			1	1	3	2	93	102
	023						1	1		1	1	1	1	1	3	3	103	116
	024				2		1	1		1	2	2	2	2	3	3	115	134
	025			1	2	1	3	1		1	2	2	4	5	6	3	121	152
	026			1	3	1	4	1	1	2	3	2	4	6	9	3	126	166
	027			1	3	1	6	1	2	2	3	2	4	7	10	3	135	180
	028			1	3	1	6	1	2	2	4	2	5	7	12	5	141	192
	029			1	3	1	6	1	2	2	4	3	5	8	12	7	144	199
	030			1	3	1	6	1	2	2	4	3	6	8	13	7	150	207
	031			1	3	1	6	1	2	2	4	3	6	8	13	8	151	209
	032			1	3	1	6	1	2	2	4	3	6	8	15	8	152	212
	033			1	3	1	6	1	2	2	4	3	6	10	15	8	153	215
	034			1	3	1	6	1	2	2	4	3	6	10	15	9	154	217
	035			1	3	1	6	1	2	2	4	3	6	10	16	10	156	221
	036			1	3	1	6	1	2	2	4	3	6	10	16	11	157	223
	037			1	3	1	6	1	2	2	4	3	6	10	16	11	158	224
Mar.	004																1	1
	007												1			3	3	7
	008									1			1			4	3	9
	009							1		1			1	1		4	7	15
	010							1	1	1			4	2		4	10	23
	011							3	2	1			5	3	2	5	12	33
	012							3	3	2			5	3	2	5	15	38
	013						1	4	3	2	1		5	3	2	5	19	45
	014						2	4	6	2	1		5	3	3	6	22	54
	015						2	4	8	2	1		6	5	3	7	30	68
	016				1		4	4	8	2	1		6	6	3	8	37	80
	017			1	1		4	4	8	2	1		6	6	3	8	42	86
	018		1	1	1		4	4	8	2	1		6	8	4	8	43	91
	019		1	1	1	1	7	4	8	2	1	1	8	11	5	9	47	107
	020	3	6	2	1	2	7	4	8	2	1	1	10	13	5	9	51	125
	021	7	13	2	1	3	8	5	9	2	1	2	12	17	10	10	53	155
	022	8	19	3	1	3	8	5	9	2	1	2	17	17	10	10	54	169
	023	9	22	3	1	3	8	5	9	2	1	3	17	21	14	10	55	183
	024	9	24	3	2	3	8	5	9	2	1	3	18	23	18	10	56	194
	025	9	27	3	2	3	9	5	9	2	1	3	18	25	19	11	60	206
	026	9	27	3	2	3	9	5	11	3	1	3	18	26	19	13	61	213
	027	10	28	3	2	3	9	5	12	3	1	3	18	26	22	13	63	221
	028	10	32	3	2	3	9	5	13	4	1	3	18	26	22	13	65	229
	029	10	33	3	2	3	9	5	14	5	2	3	18	29	23	13	65	237
	030	10	33	3	2	4	9	5	14	5	3	3	18	31	24	13	65	242
	031	10	33	3	2	4	9	5	14	5	3	3	19	31	24	13	65	243
	032	10	33	3	2	4	9	5	14	5	3	3	19	31	24	13	67	245
	033	10	33	3	2	4	9	5	14	5	3	3	20	31	24	13	67	246

FREQUENCY ANALYSES
MAWSON 1959

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.	510																1	1
	509																2	2
	507														4		4	8
	506														4		5	9
	505														4		7	11
	504														4		10	14
	503											1			4		18	23
	502											1		1	4		25	31
	501											1	2	1	6		31	41
	000											1	3	2	7		32	45
	001											1	6	3	7		37	54
	002											2	6	4	7	2	39	60
	003											2	7	4	7	3	46	69
	004	3										3	7	4	9	3	54	83
	005	3										3	9	6	10	3	60	94
	006	3										5	11	6	11	3	62	101
	007	3									1	7	12	6	11	3	68	111
	008	4									1	8	13	6	11	4	72	119
	009	4								1	4	10	14	6	13	5	78	135
	010	4								1	5	11	15	7	13	7	79	142
	011	4								1	7	11	15	9	14	8	81	150
	012	4								1	7	11	15	10	15	8	87	158
	013	4								1	7	14	18	14	17	8	97	180
	014	4								1	7	14	18	14	18	8	100	184
	015	4				1				1	7	14	20	14	18	9	106	194
	016	4			1	1				1	8	14	20	14	19	10	107	199
	017	4			1	1				1	8	15	20	15	19	12	111	207
	018	4			2	1				1	8	15	20	16	19	12	117	215
	019	4			2	1				1	8	15	20	16	19	14	120	220
	020	4			3	1				3	8	15	20	17	19	14	122	226
	021	4			3	1				3	9	16	21	17	19	14	124	231
	022	4			3	1				3	9	17	21	17	19	14	125	233
	023	4			3	1				3	9	17	21	17	19	15	128	237
	024	4			3	1				3	9	17	21	17	19	15	129	238
	028	4			3	1				3	9	17	21	17	20	15	129	239
May	513																1	1
	512																3	3
	511																6	6
	510													1			7	8
	509													2	1	1	8	12
	508													2	2	1	8	13
	507													3	2	1	9	15
	506						1							3	2	1	10	17
	505				1		1			1		1		3	2	1	16	26
	504				1		1			1	1	2		3	4	3	18	34
	503				1		1			1	1	2		4	4	3	25	42
	502				1		1			1	1	2	2	4	4	3	29	48
	501				1		1			1	1	2	2	4	4	3	39	58
	000				1		1			1	1	2	3	5	5	3	46	68
	001				1		1			2	1	2	3	5	6	4	53	78
	002				1		1			2	1	2	4	7	7	5	56	86
	003				1		1	1		3	2	2	6	8	7	5	66	102
	004				1		1	2		3	3	3	6	8	8	5	72	112
	005				1		1	2	1	5	3	3	6	9	8	5	78	122
	006				1		1	2	1	5	3	3	6	10	8	5	83	128
	007				1		1	4	1	5	4	3	7	11	8	5	90	140
	008				1		1	4	1	6	4	3	7	12	8	6	92	145
	009				1		1	4	1	7	4	3	7	13	9	6	95	151
	010				1		1	4	1	11	4	3	9	14	10	6	101	165
	011				1		1	4	1	11	5	4	9	14	10	6	106	172
	012				1		1	4	1	14	5	4	9	15	10	7	113	184
	013				1		1	4	1	14	5	5	9	15	11	7	118	191
	014				1		1	4	1	14	5	5	10	16	11	8	124	200
	015				1		1	4	1	14	5	5	10	16	12	8	129	206
	016				1		1	4	1	14	5	5	10	16	12	8	135	212
	017				1		1	4	1	14	5	5	10	16	12	9	140	218
	018				1		1	4	1	14	5	5	10	16	12	9	147	225
	019				1		1	4	1	14	5	5	10	16	12	9	152	230
	020				1		1	4	1	14	5	5	10	16	12	9	155	233
	022				1		1	4	1	14	5	5	10	16	12	9	157	235
	023				1		1	4	1	14	5	5	10	16	12	9	159	237
	024				1		1	4	1	14	5	5	10	16	12	9	161	239
	025				1		1	4	1	14	5	5	10	16	12	9	165	243
	027				1		1	4	1	14	5	5	10	16	12	9	166	244

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.	513													1				1
	512													1	1	1	1	4
	511													1	1	3	5	10
	510													1	2	3	8	14
	509													1	2	6	12	21
	508													1	3	7	16	27
	507													1	3	9	21	34
	506													1	3	11	29	44
	505													1	3	13	41	58
	504													1	4	13	46	64
	503													1	4	13	54	72
	502										1			1	4	13	64	83
	501										1	1		1	4	13	74	94
	000								1		2	2		1	4	13	78	101
	001								1		2	2		1	4	13	81	104
	002								1		2	2	2	1	4	13	86	111
	003								1		2	3	3	1	4	13	89	116
	004								1		2	4	3	2	5	13	93	123
	005								2		2	4	3	2	5	13	97	128
	006								2		2	4	3	2	6	13	103	135
	007					1			2		2	4	3	2	7	13	106	140
	008					1			2		3	4	3	2	7	15	110	147
	009			2		1		1	2		3	4	4	3	7	17	119	163
	010		1	2		2		1	2	1	3	4	4	3	8	17	123	171
	011		4	2		2		1	2	1	3	4	4	3	9	17	129	181
	012		7	2		2		1	2	2	3	4	5	4	9	17	132	190
	013		9	2		2		1	2	2	4	4	5	4	9	17	138	199
	014		11	3		2		2	2	2	4	4	8	4	10	17	140	209
	015		13	3	1	2		3	2	2	4	4	8	4	11	18	144	219
	016		14	4	1	2		4	2	2	4	4	8	4	11	18	145	223
	017		19	4	1	2		4	2	2	4	4	8	4	11	19	147	231
	018		19	4	1	3		4	2	2	4	4	8	5	11	22	147	236
	019		19	5	1	3		4	2	2	4	4	8	5	11	23	147	238
	020		19	5	1	4		4	2	2	4	4	8	5	11	23	148	240
Jul.	518												1					1
	516												2		1			3
	515										1		2	1	1		1	6
	514									1	1		2	2	2		1	9
	513									1	1	1	2	2	3	2	3	15
	512									1	1	1	2	3	4	3	4	19
	511									1	1	1	2	4	5	4	4	22
	510									1	1	3	2	4	5	7	6	29
	509									1	1	3	2	5	5	7	10	34
	508									1	1	4	2	6	6	8	13	41
	507									1	1	5	3	6	6	8	17	47
	506									1	1	5	3	6	6	9	21	52
	505								1	1	1	7	4	8	7	10	24	63
	504								1	1	1	7	5	8	7	10	30	70
	503								1	1	1	9	5	8	10	10	36	81
	502								1	1	2	9	5	8	11	10	41	88
	501								1	2	2	9	6	10	12	10	48	100
	500								1	2	2	9	7	14	13	11	57	116
	001								1	2	2	11	11	15	15	12	67	136
	002					1			1	2	2	11	14	16	15	15	76	153
	003					1			1	2	2	11	17	19	16	16	80	165
	004		2			1			1	2	2	11	17	19	17	16	82	170
	005		4			1			1	2	2	11	17	20	18	16	88	180
	006		5			1			1	2	2	11	17	20	19	16	93	187
	007		7			1			1	2	2	11	17	20	20	16	101	198
	008		9			1			1	2	2	11	17	20	20	16	104	203
	009		9			1			1	2	2	11	17	20	20	17	108	208
	010		10			1			1	3	2	11	17	20	20	17	110	212
	011		10			1			1	3	2	11	18	20	20	17	115	218
	013		12		1	2			1	3	3	11	18	20	20	17	116	224
	014		12		1	2			1	3	3	11	18	20	20	17	118	226
	015		16		1	3			1	3	3	12	18	20	20	17	119	233
	016		16		1	4			1	4	3	12	18	20	20	17	123	239
	017		16	1	1	4			1	4	3	12	18	20	20	17	126	243
	018		16	1	1	4			1	4	3	12	18	20	20	17	128	245
	019		16	1	1	4			1	4	3	12	18	20	20	17	131	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.	519															1	2	3
	518														1	2	5	8
	517														1	2	8	11
	516														1	3	14	18
	515														1	3	19	23
	514														2	3	27	32
	513														2	3	34	39
	512														2	4	38	44
	511														2	4	42	48
	510														2	4	44	50
	509										1				2	4	48	55
	508										1				2	4	50	57
	507										1				4	5	52	62
	506										1			2	4	5	52	64
	505										1			4	4	6	53	68
	504										1		1	4	4	6	55	71
	503										1		2	4	4	11	58	80
	502										1		2	4	4	11	62	84
	501								1		1		2	4	4	11	66	89
	000								1		1		2	4	5	13	71	97
	001					1			1		1		2	5	5	13	76	104
	002		1			1			1		1		2	6	5	14	83	114
	003		1			1			1		1		2	6	6	14	92	124
	004		1			1			1		1		2	6	6	14	100	132
	005		1			1			1		1		2	6	6	14	106	138
	006		2			1			1		1		2	6	7	14	119	153
	007		2			1			1		1		2	6	7	14	126	160
	008		2		1	1			1		1		2	6	7	14	135	170
	009		2		1	2	1		1		1		2	8	7	14	142	181
	010		2		1	3	1		1		2		2	8	7	15	146	188
	011		2		1	3	1		1	1	2		3	9	7	15	150	195
	012		2		1	3	1		1	1	2		3	9	7	15	155	200
	013		2		1	3	1		1	1	2		3	9	8	16	166	213
	014		2		1	3	1		1	1	2		3	10	8	16	168	216
	015		2		1	3	1		1	1	2		3	11	8	18	171	222
	016		2		1	3	1		1	1	2		3	11	8	18	173	224
	017		2		1	3	1		1	1	2		3	11	8	18	178	229
	018		2		1	3	1		1	2	2		3	11	8	18	182	234
	019		2		1	3	1		1	3	2	1	3	11	9	18	185	240
	020		2		1	3	1		1	3	2	1	3	11	9	18	187	242
	021		2		1	3	1		1	3	2	1	3	11	9	18	189	244
	022		2		1	3	1		1	3	2	1	3	11	9	18	190	245
	023		2		1	3	1		1	3	2	1	3	11	9	18	192	247
	024		2		1	3	1		1	3	2	1	3	11	9	18	193	248

FREQUENCY ANALYSES
MAWSON 1959

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.	527														1			1
	525														2	1		3
	524													1	2	1	1	5
	523													1	3	4	4	12
	522													1	4	5	4	14
	521													1	6	5	5	17
	520												1	1	8	5	5	20
	519												1	3	9	7	6	26
	518												2	3	9	7	6	27
	517									1		1	2	5	9	9	8	35
	516									1		2	2	5	9	10	8	37
	515									2		3	5	6	9	10	9	44
	514							1		2		3	5	9	11	10	9	50
	513							2	1	2		3	5	11	13	10	9	56
	512							3	2	2		3	7	12	13	11	9	62
	511							3	3	2		3	9	14	13	11	9	67
	510							4	6	2		4	10	15	14	11	10	76
	509					1		5	8	2		4	12	15	14	11	10	82
	508					1	1	6	8	2		4	12	15	15	13	10	87
	507					1	1	6	9	2		4	12	21	16	13	11	96
	506					3	2	8	9	3		4	12	21	16	14	12	104
	505				1	6	2	9	9	4	2	4	12	22	16	15	13	115
	504				1	6	2	10	9	5	2	4	12	22	16	15	15	119
	503		1		1	6	6	11	12	6	2	4	12	23	16	19	16	135
	502		2		1	6	8	11	12	7	5	4	12	24	16	19	16	143
	501		3	1	1	6	8	12	12	7	5	4	12	24	16	19	16	146
	000		4	1	1	6	8	15	13	7	5	4	13	24	17	19	16	153
	001		6	1	1	6	8	15	14	7	5	4	13	24	18	20	19	161
	002		6	3	1	6	8	16	16	7	5	4	13	24	19	20	21	169
	003		7	3	1	8	9	17	16	9	5	4	14	24	19	21	21	178
	004		7	4	1	9	9	18	16	10	6	5	14	26	19	22	21	186
	005		7	4	1	9	9	19	16	10	6	5	14	26	19	22	23	190
	006		7	4	1	9	9	19	16	10	6	6	14	26	19	22	23	191
	007		7	4	1	9	9	19	17	10	7	6	14	27	21	22	24	197
	008		7	4	1	9	9	19	17	10	8	6	14	27	21	22	25	199
	009		7	4	1	9	9	19	18	11	10	6	14	27	21	22	27	205
	010		7	4	1	9	9	19	18	15	10	6	14	27	21	22	27	209
	011		10	5	1	9	10	19	18	15	11	6	15	27	22	22	27	217
	012		11	7	1	9	11	19	18	15	11	6	15	27	22	22	27	221
	013		11	9	1	9	11	19	18	15	11	6	16	27	23	22	27	225
	014		11	9	1	9	11	19	18	15	11	6	16	27	23	22	28	226
	015		11	9	1	9	11	19	18	15	11	6	16	27	23	23	31	230
	016		11	9	2	9	11	19	18	15	11	6	16	27	23	23	33	233
	017		11	9	2	9	11	20	18	15	11	6	16	27	23	23	35	236
	019		11	9	2	9	11	20	18	15	11	6	16	27	23	23	38	239
	020		11	9	2	9	11	20	18	15	11	6	16	27	23	23	39	240

	°F	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	>14	Total
Oct.	507														1			1
	504														1	2		3
	503														1	2	1	4
	502														2	3	1	6
	501													1	4	3	2	10
	000													1	4	3	5	13
	001													1	5	3	13	22
	002													1	7	4	17	29
	003													1	7	4	24	36
	004													1	9	4	33	47
	005													1	9	4	39	53
	006													2	9	4	47	62
	007													2	10	6	58	76
	008									1				2	11	8	68	90
	009						1			2		1		3	13	11	80	111
	010						1			3		1	1	3	13	14	95	131
	011						1			3		1	3	3	13	15	111	150
	012						1			3		1	4	3	13	15	119	159
	013						1			3		2	4	3	14	17	133	177
	014						1			3		2	4	3	14	17	146	190
	015						1			6	1	2	6	3	14	17	153	203
	016						1			6	1	2	6	4	14	17	157	208
	017						1			6	1	2	6	4	14	17	175	226
	018						1			6	1	2	6	4	14	17	183	234
	019						1			6	1	2	6	4	14	17	188	239
	020						1			6	1	2	6	5	14	17	191	243
	021						1			6	1	2	6	5	14	17	192	244
	023						1			6	1	2	6	5	14	17	193	245
	024						1			6	1	2	6	5	14	17	194	246
	025						1			6	1	2	6	5	14	17	196	248

FREQUENCY ANALYSES
MAWSON 1959

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	007															1	1	2
	008															2	2	4
	009														1	2	3	6
	010														3	3	4	10
	011													1	3	6	7	17
	012													2	3	6	11	22
	013													2	5	7	17	31
	014													2	5	7	23	37
	015						1	1					1	2	5	9	35	54
	016						1	1					2	3	6	10	38	61
	017						1	1				3	2	5	11	13	46	82
	018				1	1	1	2				3	3	7	13	14	59	104
	019				1	1	2	2				4	5	11	15	14	74	129
	020				1	1	2	2		2		4	7	12	16	15	81	143
	021				1	1	2	2		2		4	7	13	19	17	92	160
	022				1	1	2	2		2		5	7	13	21	18	101	173
	023				1	1	2	2		2		6	7	13	22	18	110	184
	024				1	1	2	2		2		6	8	13	24	18	116	193
	025				1	1	2	2		2	1	7	9	15	24	20	123	207
	026				1	1	2	2		3	1	7	9	17	24	20	128	215
	027				1	1	2	2		4	1	7	9	18	25	23	135	228
	028				1	1	2	2		4	1	7	9	18	25	23	137	230
	029				1	1	2	2		4	1	7	9	18	25	23	144	237
	030				1	1	2	2		4	1	7	9	18	25	23	146	239
	031				1	1	2	2		4	1	7	10	18	25	23	146	240
Dec.	020																1	1
	021																3	3
	022													1			4	5
	023													1	1		9	11
	024											2	1	1	1	3	10	18
	025											3	1	3	1	4	17	29
	026											3	2	3	2	5	21	36
	027		1									5	4	3	5	9	27	54
	028		1				1			1	1	5	5	6	5	11	34	70
	029		4				2		1	3	1	6	5	6	6	15	35	84
	030		4			2	2		1	3	5	8	8	6	8	16	39	102
	031		4	1		2	3		1	3	6	9	10	11	12	18	45	125
	032		4	1		2	3		1	4	9	10	11	16	13	21	47	142
	033		4	1		2	3		2	7	10	14	13	20	17	21	53	167
	034		4	1		2	3	3	3	8	10	15	17	25	20	22	56	189
	035		4	1	1	2	3	4	4	10	10	17	20	26	23	23	59	207
	036		4	1	1	2	4	4	4	10	12	18	22	28	23	24	63	220
	037		4	1	1	2	4	4	4	10	12	18	23	28	24	25	69	229
	038		4	1	1	2	4	4	4	10	12	19	24	28	28	25	70	236
	039		4	1	1	2	4	4	4	10	12	19	26	28	28	27	71	241
	040		4	1	1	2	4	4	4	10	12	19	26	28	28	27	73	243
	041		4	1	1	2	4	4	4	10	12	19	26	29	28	27	75	246
	042		4	1	1	2	4	4	4	10	12	19	26	29	28	27	77	248

FREQUENCY ANALYSES
MAWSON 1959

	Direction x 10°	Direction and Speed of Surface Wind						
		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		1	0	0	0	0	0	1
	05 06 07		17	3	0	0	0	0	20
	08 09 10		8	14	3	6	0	0	31
	11 12 13		7	22	32	18	28	0	107
	14 15 16		2	19	13	1	0	0	35
	17 18 19		0	3	0	0	0	0	3
	20 21 22		1	0	0	0	0	0	1
	23 24 25		10	0	0	0	0	0	10
	26 27 28		14	0	0	0	0	0	14
	29 30 31		2	0	0	0	0	0	2
	32 33 34		4	0	0	0	0	0	4
									20
		20	66	61	48	25	28	0	248
Feb.	35 36 01		0	0	0	0	0	0	0
	02 03 04		0	0	0	0	0	0	0
	05 06 07		7	0	0	0	0	0	7
	08 09 10		5	6	0	0	0	0	11
	11 12 13		7	42	53	14	3	0	119
	14 15 16		4	18	28	9	1	0	60
	17 18 19		3	1	0	0	0	0	4
	20 21 22		1	1	0	0	0	0	2
	23 24 25		5	1	0	0	0	0	6
	26 27 28		2	0	0	0	0	0	2
	29 30 31		1	0	0	0	0	0	1
	32 33 34		2	0	0	0	0	0	2
									10
		10	37	69	81	23	4	0	224
Mar.	35 36 01		0	0	0	0	0	0	0
	02 03 04		1	0	0	0	0	0	1
	05 06 07		0	2	0	0	0	0	2
	08 09 10		3	9	12	11	11	3	49
	11 12 13		7	27	44	25	21	14	138
	14 15 16		3	17	15	4	2	3	44
	17 18 19		1	0	1	0	0	0	2
	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
									12
		12	15	55	72	40	34	20	248
Apr.	35 36 01		0	1	0	0	0	0	1
	02 03 04		2	0	0	0	0	0	2
	05 06 07		1	3	0	0	0	0	4
	08 09 10		3	11	25	3	2	0	44
	11 12 13		6	25	48	18	3	0	100
	14 15 16		7	11	12	9	0	0	39
	17 18 19		4	1	0	0	0	0	5
	20 21 22		2	1	0	0	0	0	3
	23 24 25		2	0	0	0	0	0	2
	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
									38
		38	28	53	85	30	5	0	239

FREQUENCY ANALYSES
MAWSON 1959

	Direction x 10°	Direction and Speed of Surface Wind						
		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	1	0	0	0	0	1
	08 09 10		1	2	3	3	0	1	10
	11 12 13		6	19	54	33	16	5	133
	14 15 16		11	17	15	14	15	1	73
	17 18 19		2	2	2	0	0	0	6
	20 21 22		3	1	0	0	0	0	4
	23 24 25		0	0	0	0	0	0	0
	26 27 28		0	1	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
									20
		20	23	43	74	50	31	7	248
Jun.	35 36 01		4	0	0	0	0	0	4
	02 03 04		5	5	0	0	0	0	10
	05 06 07		2	3	1	0	0	0	6
	08 09 10		2	3	17	8	9	5	44
	11 12 13		5	28	45	19	3	3	103
	14 15 16		12	8	8	1	0	0	29
	17 18 19		8	1	1	0	0	0	10
	20 21 22		2	1	0	0	0	0	3
	23 24 25		1	0	0	0	0	0	1
	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
									29
		29	42	49	72	28	12	8	240
Jul.	35 36 01		1	0	0	0	0	0	1
	02 03 04		1	0	0	0	0	0	1
	05 06 07		5	0	0	0	0	0	5
	08 09 10		7	5	10	2	5	5	34
	11 12 13		3	34	44	38	17	15	151
	14 15 16		4	16	5	6	0	0	31
	17 18 19		3	0	0	0	0	0	3
	20 21 22		5	0	0	0	0	0	5
	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		1	0	0	0	0	0	1
									16
		16	30	55	59	46	22	20	248
Aug.	35 36 01		1	0	0	0	0	0	1
	02 03 04		1	0	0	0	0	0	1
	05 06 07		0	0	0	0	0	0	0
	08 09 10		2	5	4	1	0	1	13
	11 12 13		2	29	39	32	14	13	129
	14 15 16		7	19	16	8	0	0	50
	17 18 19		8	5	2	0	0	0	15
	20 21 22		4	0	0	0	0	0	4
	23 24 25		2	0	0	0	0	0	2
	26 27 28		2	1	0	0	0	0	3
	29 30 31		0	0	0	0	0	0	0
	32 33 34		0	0	0	0	0	0	0
									30
		30	29	59	61	41	14	14	248

FREQUENCY ANALYSES
MAWSON 1959

	Direction x 10°	Calm	Direction and Speed of Surface Wind 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		0	0	0	0	0	0	0
	05 06 07		3	1	1	0	0	0	5
	08 09 10		0	2	2	2	0	3	9
	11 12 13		3	10	31	26	17	17	104
	14 15 16		4	23	30	12	4	11	84
	17 18 19		1	3	0	0	0	0	4
	20 21 22		2	0	0	0	0	0	2
	23 24 25		7	3	0	0	0	0	10
	26 27 28		6	0	0	0	0	0	6
	29 30 31		0	0	0	0	0	0	0
	32 33 34		0	0	0	0	0	0	0
									16
		16	26	42	64	40	21	31	240
Oct.	35 36 01		2	0	0	0	0	0	2
	02 03 04		2	0	0	0	0	0	2
	05 06 07		3	2	0	0	0	0	5
	08 09 10		7	7	0	0	0	0	14
	11 12 13		7	25	19	4	8	3	66
	14 15 16		7	27	31	9	7	11	92
	17 18 19		5	0	4	1	0	0	10
	20 21 22		3	0	0	0	0	0	3
	23 24 25		10	0	0	0	0	0	10
	26 27 28		11	0	0	0	0	0	11
	29 30 31		1	0	0	0	0	0	1
	32 33 34		2	0	0	0	0	0	2
									30
		30	60	61	54	14	15	14	248
Nov.	35 36 01		2	0	0	0	0	0	2
	02 03 04		2	0	0	0	0	0	2
	05 06 07		4	3	0	0	0	0	7
	08 09 10		9	2	0	0	0	0	11
	11 12 13		8	24	19	9	1	0	61
	14 15 16		4	27	42	14	0	0	87
	17 18 19		2	6	11	2	1	0	22
	20 21 22		2	0	0	0	0	0	2
	23 24 25		6	1	0	0	0	0	7
	26 27 28		19	0	0	0	0	0	19
	29 30 31		1	0	0	0	0	0	1
	32 33 34		3	0	0	0	0	0	3
									16
		16	62	63	72	25	2	0	240
Dec.	35 36 01		0	0	0	0	0	0	0
	02 03 04		2	0	0	0	0	0	2
	05 06 07		3	0	0	0	0	0	3
	08 09 10		11	4	0	0	0	0	15
	11 12 13		6	14	13	5	0	1	39
	14 15 16		6	56	42	20	7	4	135
	17 18 19		1	6	2	0	0	0	9
	20 21 22		0	0	0	0	0	0	0
	23 24 25		4	0	0	0	0	0	4
	26 27 28		10	0	0	0	0	0	10
	29 30 31		3	0	0	0	0	0	3
	32 33 34		4	0	0	0	0	0	4
									24
		24	50	80	57	25	7	5	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								2	3				5
527						1	1	3	3				8
524						1	2	3	3	1			10
521				3	1	3	3	3	4	3			20
518				4	3	3	3	4	4	6	1		28
515		3	3	4	3	3	3	6	4	7	3		39
512		4	3	5	3	4	4	6	5	7	5	2	48
509	6	7	3	5	3	4	4	6	5	7	5	4	59
506	8	7	3	5	4	4	4	6	5	7	5	5	63

Temperature at 700 mb

533									1				1
530								2	3				5
527						1	2	2	4				9
524	1		1	1	1	1	3	3	4	2	1		18
521	1	1	2	4	2	3	4	6	5	4	3	1	36
518	5	6	2	4	3	3	4	6	5	6	3	4	51
515	8	7	3	5	3	4	4	6	5	7	4	4	60
512	8	7	3	5	4	4	4	6	5	7	5	5	63

Temperature at 500 mb

545							1	1	1				3
542				1	1		2	3	3				10
539				1	1	2	4	4	3	1	1		17
536	1	1		3	2	3	4	5	4	3	3		29
533	4	3		4	3	3	4	5	4	4	3	3	40
530	7	6	1	4	4	3	4	6	4	7	4	3	53
527	8	7	1	5	4	4	4	6	4	7	5	3	58
524	8	7	2	5	4	4	4	6	4	7	5	5	61

Temperature at 300 mb

566									1				1
563								1	3		1		5
560					1	2	1	5	3	3	2		17
557				1	1	4	3	5	3	6	3	1	27
554	1	1		1	3	4	3	6	3	7	3	2	34
551	6	5	2	3	4	4	3	6	3	7	5	5	53
548	6	6	2	4	4	4	3	6	3	7	5	5	55
545	8	6	2	4	4	4	3	6	3	7	5	5	57
542	8	7	2	4	4	4	3	6	3	7	5	5	58

FREQUENCY ANALYSES
MAWSON 1959

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								2	1	2			5
572						1	1	5	3	5			15
569						2	3	5	3	6	2		21
566						3	3	6	3	7	3		25
563						3	3	6	3	7	3		25
560					1	4	3	6	3	7	3		27
557					3	4	3	6	3	7	4		30
554				1	3	4	3	6	3	7	4	1	32
551				1	4	4	3	6	3	7	5	3	36
548	1		1	4	4	4	3	6	3	7	5	4	42
545	3		2	4	4	4	3	6	3	7	5	4	45
542	7	4	2	4	4	4	3	6	3	7	5	4	53
539	8	7	2	4	4	4	3	6	3	7	5	4	57

Temperature at 150 mb

587								1					1
584								1					1
581								2					2
578								3					3
575								4	2	3			9
572							1	5	3	5			14
569						1	3	6	3	7	1		21
566						3	3	6	3	7	2		24
563						3	3	6	3	7	3		25
560					1	3	3	6	3	7	3		25
557					2	4	3	6	3	7	4		29
554				1	3	4	3	6	3	7	4		31
551				3	3	4	3	6	3	7	5		34
548			1	4	3	4	3	6	3	7	5	2	38
545	2		2	4	3	4	3	6	3	7	5	4	43
542	5	5	2	4	3	4	3	6	3	7	5	4	51
539	8	7	2	4	3	4	3	6	3	7	5	4	56

Temperature at 100 mb

575							2			2			4
572							2			4			6
569							2			6			8
566							2			7			9
563					2		2			7	2		13
560					2	1	2			7	3		15
557					2	1	2			7	3		15
554				2	2	1	2			7	5		19
551				3	2	1	2			7	5		20
548			1	4	2	1	2			7	5		22
545	1	2	2	4	2	1	2			7	5	2	28
542	3	5	2	4	2	1	2			7	5	4	35
539	8	6	2	4	2	1	2			7	5	4	41

Temperature at Tropopause

578										1			1
575										1			1
572										2			2
569										4	2		6
566										4	2		6
563					1					4	3		8
560	1				2	1				4	4	2	14
557	1				3	1				4	4	2	15
554	3	3	2	1	4	1				4	5	3	26
551	6	4	2	3	4	1				4	5	3	32
548	8	6	2	4	4	1				4	5	4	38
545	8	6	2	4	4	1				4	5	4	38
542	8	7	2	4	4	1				4	5	4	39

FREQUENCY ANALYSES
MAWSON 1959

Geopotential at 850 mb

Upper Limit Range gpDm	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
095							1						1
100							1	1					2
105	1						1	1	1	1	1		6
110	1			2	1	1	1	3	3	2	2		16
115	1	3	1	4	2	3	2	3	3	5	2		29
120	3	7	2	4	3	3	2	5	5	5	4	3	46
125	7	7	3	5	4	3	3	5	5	7	5	3	57
130	7	7	3	5	4	4	4	5	5	7	5	5	61
135	8	7	3	5	4	4	4	5	5	7	5	5	62
140	8	7	3	5	4	4	4	6	5	7	5	5	63

Geopotential at 700 mb

240							1	1					2
245							1	2	3				6
250					1	1	1	2	3	1	1		10
255	1			3	1	1	2	3	4	4	2		21
260	1	2	1	4	3	3	2	4	4	5	2		31
265	3	6	2	4	4	3	2	5	4	5	4	2	44
270	7	7	3	5	4	3	3	5	5	7	4	3	56
275	7	7	3	5	4	4	4	5	5	7	5	4	60
280	7	7	3	5	4	4	4	5	5	7	5	5	61
285	8	7	3	5	4	4	4	6	5	7	5	5	63

Geopotential at 500 mb

470							1	1					2
475							1	1	1				3
480							1	2	3				6
485						1	2	2	3				8
490				2	1	1	2	2	3	2			13
495				3	1	1	2	2	3	4	2		18
500	1			4	2	3	2	5	3	5	3		28
505	1	4		4	2	3	3	5	4	5	3	1	35
510	3	7	1	4	4	3	3	5	4	5	4	2	45
515	7	7	2	4	4	3	4	5	4	6	4	2	52
520	7	7	2	5	4	3	4	5	4	7	5	4	57
525	7	7	2	5	4	4	4	5	4	7	5	5	59
530	7	7	2	5	4	4	4	6	4	7	5	5	60
535	8	7	2	5	4	4	4	6	4	7	5	5	61

FREQUENCY ANALYSES
MAWSON 1959

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							1	2	2				5
820				1	1	1	2	2	2	2			11
830				2	1	2	2	3	2	3	2		17
840				3	2	3	2	5	3	5	3		26
850	3	4		3	3	3	3	5	3	5	4	2	38
860	6	7	2	3	4	3	3	5	3	7	4	2	49
870	7	7	2	4	4	4	3	5	3	7	5	4	55
880	7	7	2	4	4	4	3	6	3	7	5	5	57
890	8	7	2	4	4	4	3	6	3	7	5	5	58

Geopotential at 200 mb

1050							1	1	2				4
1060							1	2	2				5
1070						1	2	2	2	2			9
1080					1	2	2	5	3	4	3		20
1090				1	2	3	3	5	3	5	3		25
1100				2	3	3	3	5	3	6	3		28
1110				3	3	3	3	5	3	7	3	2	32
1120	3	2	1	3	4	4	3	6	3	7	5	2	43
1130	6	7	2	4	4	4	3	6	3	7	5	4	55
1140	7	7	2	4	4	4	3	6	3	7	5	4	56
1150	8	7	2	4	4	4	3	6	3	7	5	4	57

Geopotential at 150 mb

1210									1				1
1220							1	1	2				4
1230							1	2	2				5
1240						1	2	5	2	2			12
1250						2	2	5	3	4	2		18
1260						2	3	5	3	5	3		21
1270				1	2	3	3	5	3	6	3		26
1280				1	2	3	3	5	3	7	3		27
1290				3	2	4	3	6	3	7	4	1	33
1300				3	3	4	3	6	3	7	5	2	36
1310	3	2	1	3	3	4	3	6	3	7	5	2	42
1320	6	6	2	4	3	4	3	6	3	7	5	4	53
1330	7	7	2	4	3	4	3	6	3	7	5	4	55
1340	8	7	2	4	3	4	3	6	3	7	5	4	56

FREQUENCY ANALYSES
MAWSON 1959

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							1			1			2
1480							1			3			4
1490							2			4			6
1500							2			5	2		9
1510							2			7	2		11
1520					1		2			7	3		13
1530					1	1	2			7	3		14
1540				1	1	1	2			7	4		16
1550				2	2	1	2			7	4		18
1560				3	2	1	2			7	5	1	21
1570				3	2	1	2			7	5	2	22
1580	1	1	1	4	2	1	2			7	5	2	26
1590	4	3	2	4	2	1	2			7	5	4	34
1600	7	5	2	4	2	1	2			7	5	4	39
1610	8	6	2	4	2	1	2			7	5	4	41

Geopotential at Tropopause

750	1			2								1	4
800	3			2								1	6
850	4	5	1	3	1							1	15
900	7	7	2	3	2							2	23
950	7	7	2	3	2							2	23
1000	8	7	2	3	2							3	25
1050	8	7	2	3	2							3	25
1100	8	7	2	3	3							3	26
1150	8	7	2	4	3					1	1	4	30
1200	8	7	2	4	3	1				1	1	4	31
1250	8	7	2	4	3	1				3	4	4	36
1300	8	7	2	4	4	1				4	4	4	38
1350	8	7	2	4	4	1				4	4	4	38
1400	8	7	2	4	4	1				4	4	4	38
1450	8	7	2	4	4	1				4	4	4	38
1500	8	7	2	4	4	1				4	4	4	38
1550	8	7	2	4	4	1				4	4	4	38
1600	8	7	2	4	4	1				4	4	4	38
1650	8	7	2	4	4	1				4	4	4	38
1700	8	7	2	4	4	1				4	5	4	39

Pressure at Tropopause

Upper Limit Range - mb	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
100											1		1
150					1					3	3		7
200				1	2					4	5	1	13
250				2	2					4	5	3	16
300	4	5	1	2	4	1				4	5	4	30
350	7	7	2	3	4	1				4	5	4	37
400	8	7	2	4	4	1				4	5	4	39

	Direction x 10°	Direction and Speed of Surface Wind						
		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		1	6	1	1	0	0	9
	17 18 19		0	0	0	0	0	0	0
	20 21 22		1	0	0	0	0	0	1
	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	2	6	1	1	0	0	10
Jun.	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		7	6	3	9	1	0	26
	11 12 13		3	8	0	0	0	0	11
	14 15 16		6	5	0	0	0	0	11
	17 18 19		10	0	0	0	0	0	10
	20 21 22		2	0	0	0	0	0	2
	23 24 25		6	1	0	0	0	0	7
	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
		6	34	20	3	9	1	0	73
Jul.	35 36 01		0	0	1	0	0	0	1
	02 03 04		0	0	0	0	0	0	0
	05 06 07		0	0	1	0	0	1	2
	08 09 10		3	0	2	3	1	2	11
	11 12 13		1	2	0	0	0	0	3
	14 15 16		3	0	0	0	0	0	3
	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
		4	7	2	4	3	1	3	24
Aug.	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	1	1	1	0	3
	11 12 13		0	0	0	0	0	0	0
	14 15 16		0	0	0	0	0	0	0
	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	0	0	1	1	1	0	3

FREQUENCY ANALYSES
WILKES 1959

Station Level Pressure

Upper Limit Range - mb	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
950										1			1
955								6		2	9		17
960						9		8	6	12	25		60
965		8	9	3	13	18		14	35	22	51		173
970		21	30	15	27	26	7	32	67	53	79		357
975		49	50	56	64	49	25	66	129	101	139	2	730
980		96	68	88	86	61	65	97	179	134	197	17	1089
985		143	93	127	117	100	123	124	197	164	227	46	1461
990		201	152	161	154	120	189	153	214	200	236	132	1912
995		210	233	207	175	185	223	177	223	222	240	202	2297
1000		216	247	238	194	231	235	211	230	242	240	223	2507
1005		224	248	240	228	236	241	248	240	248	240	232	2625
1010		224	248	240	238	240	245	248	240	248	240	241	2652
1015		224	248	240	248	240	248	248	240	248	240	247	2671

Maximum Temperature

Upper Limit Range - °F													
539									1				1
516									2				2
515								1	2				3
512								1	4				5
511								2	4				6
510						1		4	4				9
509						2		4	6				12
507						2		4	8				14
506						3		4	9				16
505						3		4	13				20
504						6		4	13				23
503						6	1	5	14				26
502					1	7	2	6	15				31
501					1	7	3	6	15				32
000					1	8	4	6	18				37
002					1	8	4	7	18				38
003				1	2	8	5	7	19				42
004				1	2	8	7	7	20				45
005				1	3	9	7	9	20				49
006				1	3	11	8	9	22				54
007				2	4	11	8	10	23				58
008				3	6	11	9	11	23				63
009			1	3	6	11	10	12	23				66
010			1	4	9	11	12	13	24				74
011			1	4	9	13	14	13	24				78
012			1	4	10	13	17	14	26	1			86
013			2	4	10	13	18	14	26	2			89
014			2	6	10	14	19	16	27	2			96
015			2	7	10	15	19	19	27	4			103
016			2	7	11	15	20	22	27	4			108
017			4	10	11	15	20	23	28	5			116
018			4	10	11	18	20	25	28	9			125
019			7	12	12	19	21	25	28	9	1		134
020			8	12	14	21	24	25	29	11	3		147
021		1	11	12	15	22	25	25	29	14	3		157
022		1	14	14	20	25	26	27	30	17	4		178
023		1	17	15	22	25	28	28	30	20	4		190
024		3	21	16	24	25	28	28	30	24	7		206
025		3	22	17	27	27	28	29	30	24	13		220
026		4	23	18	30	29	28	29	30	25	15		231
027		8	24	20	30	30	29	30	30	27	15		243
028		8	26	21	31	30	31	31	30	28	20	1	257
029		9	26	21	31	30	31	31	30	30	22	1	262
030		11	29	22	31	30	31	31	30	31	25	3	274
031		15	29	24	31	30	31	31	30	31	27	4	283
032		23	29	26	31	30	31	31	30	31	28	6	296
033		25	30	28	31	30	31	31	30	31	28	10	305
034		26	30	28	31	30	31	31	30	31	30	14	312
035		26	31	29	31	30	31	31	30	31	30	15	315
036		27	31	29	31	30	31	31	30	31	30	17	318
037		28	31	29	31	30	31	31	30	31	30	22	324
038		28	31	30	31	30	31	31	30	31	30	24	327
040		28	31	30	31	30	31	31	30	31	30	25	328
041		28	31	30	31	30	31	31	30	31	30	27	330
043		28	31	30	31	30	31	31	30	31	30	30	333
044		28	31	30	31	30	31	31	30	31	30	31	334

FREQUENCY ANALYSES
WILKES 1959

Minimum Temperature

Upper Limit Range - °F	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
534								1					1
532								1	1				2
530								2	3				5
527								2	4				6
524					1			3	4				8
522					1			4	5				10
521					1			4	6				11
520					1	2		4	8				15
519					1	4		4	10				19
518					1	6	2	5	12				26
517					2	8	2	5	13				30
516					2	8	2	5	17				34
515					2	8	3	5	17				35
514					3	8	4	6	18				39
513					3	8	5	7	18				41
512					3	9	7	8	18				45
511					3	9	7	13	22				54
510					4	13	7	13	23				60
509				1	4	13	7	16	23				64
508				1	5	13	8	17	23				67
507				1	6	13	9	18	24				71
506				1	7	14	10	18	25				75
505				2	7	14	11	18	26	1			79
504				4	8	14	12	19	27	2			86
503			2	4	10	15	12	20	27	2			92
502			2	4	11	15	14	21	27	3			97
501			2	5	11	17	16	22	27	3			103
000			2	6	11	17	16	25	27	3			107
001			3	6	11	17	16	26	27	5			111
002			4	7	11	17	16	26	28	8			117
003			4	8	12	17	18	27	28	9			123
004			5	12	15	17	20	27	28	10			134
005			7	12	18	18	23	27	28	12			145
006			11	13	18	19	25	28	28	12	1		155
007		1	12	14	20	19	25	29	28	16	1		165
008		1	12	15	21	20	27	29	28	17	2		172
009		1	16	15	21	20	29	29	28	18	2		179
010		1	18	16	21	21	29	30	28	21	3		188
011		2	20	17	21	23	29	30	28	23	5		198
012		3	21	17	22	23	31	30	28	23	6	1	205
013		3	23	21	22	24	31	31	28	24	7	1	215
014		4	25	21	22	26	31	31	30	25	8	1	224
015		4	27	21	24	27	31	31	30	28	12	1	236
016		5	28	22	24	27	31	31	30	29	16	2	245
017		7	28	23	25	28	31	31	30	29	19	3	254
018		10	29	23	27	29	31	31	30	30	20	3	263
019		11	29	24	29	30	31	31	30	30	21	3	269
020		14	29	25	31	30	31	31	30	30	22	4	277
021		17	30	25	31	30	31	31	30	30	24	6	285
022		19	30	25	31	30	31	31	30	31	28	7	293
023		20	30	26	31	30	31	31	30	31	29	7	296
024		21	31	26	31	30	31	31	30	31	29	8	299
025		25	31	28	31	30	31	31	30	31	29	10	307
026		25	31	29	31	30	31	31	30	31	30	12	311
027		27	31	30	31	30	31	31	30	31	30	17	319
028		28	31	30	31	30	31	31	30	31	30	21	324
029		28	31	30	31	30	31	31	30	31	30	26	329
030		28	31	30	31	30	31	31	30	31	30	27	330
031		28	31	30	31	30	31	31	30	31	30	29	332
033		28	31	30	31	30	31	31	30	31	30	31	334

Speed of Maximum Wind Gust

Upper Limit Range - Knots	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
10		5		4			1					3	13
20		20	11	13	11	11	12	12	9	13	10	15	137
30		22	18	19	16	16	21	16	22	19	14	23	206
40		25	24	22	21	20	22	21	24	21	18	26	244
50		27	27	23	25	21	24	23	26	22	25	27	276
60		27	28	30	25	23	25	25	26	24	26	28	290
70		28	29	30	26	24	26	30	29	28	27	30	307
80		28	31	30	30	27	27	31	30	30	28	30	321
90		28	31	30	31	29	29	31	30	30	28	30	327
100		28	31	30	31	30	30	31	30	30	30	30	331
110		28	31	30	31	30	30	31	30	30	30	30	331
120		28	31	30	31	30	30	31	30	31	30	30	332

Daily Duration of Sunshine

Upper Limit Range - Hours													
00		6	7	7	19	23	20	5			4		90
01		9	9	10	23	25	25	8		1	10	1	121
02		9	13	15	24	28	26	13		2	13	1	144
03		9	13	18	27	28	29	13		2	13	1	153
04		12	16	21	27	28	30	15		2	13	1	165
05		14	19	22	29	28	30	19		2	13	1	177
06		15	19	22	30	28	30	21		2	13	1	181
07		17	21	23	30	28	30	22		2	14	1	188
08		19	23	24	30	28	30	23		3	14	1	195
09		21	23	24	30	28	30	23		3	15	1	198
10		22	24	24	30	28	30	23		4	15	1	201
11		23	29	24	30	29	30	23		4	15	1	207
12		25	29	24	30	28	30	23		4	15	1	209
13		25	31	24	30	28	30	23		4	15	1	211
14		25	31	24	30	28	30	23		4	15	1	211
15		26	31	24	30	28	30	23		4	15	1	212
16		27	31	24	30	28	30	23		4	15	1	213
17		28	31	24	30	28	30	23		4	15	1	214

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	
Feb.	009							1	1									2
	012					1		1	1									3
	013					1		1	3									5
	015					1	1	1	3	1	1	1						9
	016					1	1	1	3	1	1	1		1				10
	017				1	1	1	2	3	1	1	1		1				12
	018				1	2	2	4	3	2	1	2		2				19
	019				1	3	2	4	4	2	1	2		2				21
	020				3	4	3	7	5	2	1	2		2				29
	021			1	3	4	6	9	6	3	2	2		2				38
	022			1	6	6	6	10	8	6	2	2		3				50
	023			1	7	8	6	14	9	8	4	2		3				62
	024			1	7	8	6	15	10	10	8	2		3				70
	025			2	7	8	6	18	13	14	11	5	2	3			3	90
	026			2	9	8	8	21	15	19	11	6	6	3		1	4	111
	027			3	11	9	11	24	20	24	12	9	6	4		1	4	136
	028			7	11	9	15	28	23	24	12	9	7	4	1	1	5	153
	029		1	10	11	11	16	28	24	24	13	9	8	5	1	2	5	165
	030		1	12	14	12	20	29	27	25	15	10	9	8	1	3	6	188
	031		1	13	15	14	23	29	28	26	17	10	9	9	3	4	7	204
	032		1	14	16	14	23	29	28	26	19	10	11	9	3	4	7	210
	033		1	15	16	14	23	29	29	27	19	11	11	9	3	5	7	215
	035		1	15	16	14	23	29	29	27	19	11	12	9	3	5	7	216

Mar.	000						1											1
	001						1		2									3
	003				1		1		3									5
	004				2		2	1	3									8
	005				3	1	3	1	3		1							12
	006				3	2	4	1	3		1							14
	007				3	3	6	2	4		2					1	1	22
	008				3	3	6	2	5		3	1				1	1	25
	009				3	4	7	2	8	1	3	3				1	2	34
	010				3	6	8	2	8	2	3	3				1	2	38
	011			1	3	6	9	2	9	2	3	4	1		1	1	2	44
	012			2	3	6	9	3	11	5	3	5	3		3	2	3	58
	013			2	3	7	10	4	12	9	3	5	3		4	3	4	69
	014			2	4	7	11	4	14	9	3	5	4	2	4	3	4	76
	015			2	4	10	13	5	16	11	6	6	4	2	4	4	7	94
	016			2	5	11	14	5	18	11	9	7	5	2	4	4	10	107
	017			2	6	12	15	7	22	12	9	8	6	2	4	4	11	120
	018			3	8	15	19	11	25	12	10	8	8	4	4	4	12	143
	019			5	8	17	19	13	26	13	10	8	10	4	4	6	13	156
	020		1	10	9	18	19	17	28	16	13	8	10	4	7	6	13	179
	021	1	1	11	10	24	24	18	29	16	13	8	11	4	8	6	13	197
	022	1	1	11	12	26	26	19	30	16	14	8	11	4	8	6	14	207
	023	1	1	14	13	28	28	21	30	16	14	9	11	4	9	6	14	219
	024	1	1	14	13	28	29	23	30	16	14	9	11	4	9	6	14	222
	025	1	1	14	14	29	29	24	30	16	14	9	11	4	9	6	14	225
	026	1	1	14	14	30	29	24	30	16	15	9	11	4	9	6	14	227
	027	1	1	14	14	31	29	24	30	16	15	9	11	4	9	6	15	229
	028	1	1	14	14	31	29	25	30	16	16	9	12	4	9	6	15	232
	029	1	1	14	14	31	29	26	30	16	16	9	12	4	9	6	15	233
	030	1	1	14	14	32	30	26	30	16	16	9	13	5	9	6	15	237
	031	1	1	14	14	32	31	26	30	16	16	9	13	5	9	6	16	239

FREQUENCY ANALYSES
WILKES 1959

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.	505						1											1
	504						1						1					2
	503					1	3		1	1			1					7
	502					2	4	2	2	3			1					14
	501					2	4	2	2	4	1		1					16
	002					4	5	2	2	4	2		1		1			21
	003					4	5	2	3	5	2		1		1			23
	004				1	4	5	3	5	5	3	1	1		1			29
	005				2	5	7	7	7	5	3	2	2		1			41
	006				2	6	9	8	9	6	4	2	2		2			50
	007				3	7	11	9	9	7	4	2	2	2	3			59
	008				3	7	11	9	12	9	4	2	2	2	3		1	65
	009				3	8	12	9	12	10	5	2	2	3	4		1	71
	010				3	9	14	10	16	10	5	2	2	3	4		1	79
	011				3	10	14	12	16	10	6	2	3	3	5		1	85
	012				4	10	14	13	16	10	7	2	3	3	5	1	1	89
	013				4	10	15	14	16	10	7	2	5	4	5	1	1	94
	014				4	11	15	16	18	12	9	3	5	5	5	1	1	105
	015				4	11	15	17	19	13	9	3	6	5	5	1	2	110
	016				6	12	15	17	19	13	10	3	6	5	5	1	2	114
	017				6	12	16	18	20	15	10	5	7	6	6	3	2	125
	018				6	13	17	18	21	16	10	6	7	6	6	4	2	132
	019				6	14	17	18	23	16	11	6	7	6	6	4	2	136
	020				6	15	18	22	23	17	12	6	8	6	6	4	2	145
	021				6	16	18	23	24	17	12	6	8	7	7	4	2	150
	022				6	16	18	25	25	18	13	7	9	7	7	4	3	158
	023				7	16	19	26	25	18	14	7	9	7	9	4	3	164
	024				7	16	19	27	26	20	17	7	9	7	9	5	4	173
	025		1		9	17	19	27	27	25	19	7	9	9	9	6	4	188
	026		1		11	20	19	28	29	27	19	7	9	10	9	6	5	200
	027		2	1	12	21	20	29	30	27	19	7	9	10	9	6	6	207
	028		2	1	12	21	22	29	30	27	19	7	9	10	9	6	7	211
	029		2	2	13	22	22	30	30	27	19	7	9	10	9	6	8	216
	030	1	3	3	13	22	23	30	32	27	19	7	9	10	9	6	9	223
	031	1	3	5	13	22	23	31	32	27	20	7	9	10	9	6	9	227
	032	1	5	5	13	22	27	32	32	28	20	7	9	10	9	6	9	235
	033	1	5	5	13	22	27	33	35	28	20	7	9	10	9	6	9	239
	035	1	5	5	13	22	27	33	35	29	20	7	9	10	9	6	9	240
May.	524							1										1
	521						1	1										2
	518						1	1							1			3
	514						2	1							1			4
	512						2	2							1			5
	511						2	2				1			1			6
	509						2	2	1			1			1			7
	508						5	4	1			1			1			12
	507						5	5	1			1			1			13
	506						7	5	1			1			1			15
	505						7	6	2			1			1			17
	504					1	7	8	2	1		1			1			21
	503					2	7	10	2	1		1			1			24
	502					2	8	10	2	2		3			1			28
	501					4	10	10	2	2		4			1			33
	000					6	10	12	2	3		4	1		1		1	40
	001					7	11	12	2	4		5	1		1		1	44
	002					9	11	15	2	4		5	2		1		1	50
	003					9	11	16	3	5		5	3		1		2	55
	004					10	13	16	3	5	1	5	3		1		2	59
	005					15	13	19	3	5	1	6	3		2		2	69
	006				1	15	15	21	3	5	2	6	3		2		4	77
	007				2	20	16	21	5	7	2	6	3		2	1	5	90
	008				2	21	18	25	7	8	2	6	3		3	1	5	101
	009				2	23	20	26	7	8	2	6	3		3	1	5	106
	010				3	24	21	26	7	9	3	6	3		3	1	6	112
	011				3	24	22	28	7	9	3	6	3		3	1	6	115
	012				3	24	22	28	7	10	3	6	3		3	1	6	116
	013				3	24	22	29	7	12	3	7	4		3	1	6	121
	014				3	24	22	29	7	12	4	7	4		3	1	7	123
	015			1	4	27	24	31	8	13	4	7	5		3	1	7	135
	016			1	4	27	24	34	9	13	4	7	6		4	1	8	142
	017			1	5	28	26	34	9	14	4	7	9		4	1	8	150
	018			1	7	30	27	35	9	14	4	8	9		4	1	8	157
	019			2	7	30	28	35	9	14	6	8	9		4	1	8	161
	020			3	8	32	29	36	12	17	12	9	9		4	2	10	183
	021			3	10	33	31	38	13	19	13	10	10		5	3	10	198
	022			3	11	34	31	39	14	19	13	10	10		5	3	11	203
	023			3	12	36	32	39	14	21	14	10	10		5	3	12	211
	024			3	12	36	32	40	14	22	14	10	10	1	5	3	13	215
	025			3	14	36	32	40	15	22	14	12	11	1	5	3	13	221
	026			3	14	36	32	40	16	22	14	12	11	1	5	4	13	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
Jun.	518								1	1								2
	517							1	1	3								5
	516							1	1	5		1	1				1	10
	515							3	1	6	2	3	1				2	18
	514							4	3	6	2	4	2	2		1	5	29
	513						3	5	3	6	3	4	3	2		1	5	35
	512						3	6	3	6	3	5	3	2		1	5	37
	511						3	7	3	6	3	7	4	2		1	5	41
	510						5	7	4	6	4	7	4	2		1	5	45
	509						5	7	5	6	4	8	5	3		1	5	49
	508						5	9	6	6	4	8	7	3	1	1	5	55
	507						5	10	7	6	5	8	7	3	1	1	5	58
	506						5	12	7	6	5	8	7	3	1	1	6	61
	505					1	5	13	8	6	6	9	8	3	1	1	7	68
	504					1	7	13	9	6	6	9	8	3	1	1	7	71
	503					1	9	13	9	8	7	9	8	3	1	1	7	76
	502					2	10	13	11	9	7	9	8	3	1	1	7	81
	501					2	12	15	12	9	7	9	9	3	2	1	7	88
	500					2	13	15	12	9	7	9	9	3	2	1	7	89
	001					4	14	15	14	10	7	9	9	3	2	1	7	95
	002					5	17	15	14	11	7	9	9	3	2	1	7	100
	003					8	17	15	14	13	8	9	10	3	3	1	7	108
	004					9	17	15	15	13	9	9	10	3	3	1	7	111
	005					11	17	15	15	13	10	9	10	3	3	1	7	114
	006					11	18	16	15	13	10	9	10	3	3	1	7	116
	007					11	19	17	15	14	10	9	10	3	3	1	7	119
	008					12	19	17	15	14	10	9	11	3	3	1	7	121
	009				1	13	19	18	15	14	10	9	12	3	3	1	7	125
	010				1	13	19	19	15	14	10	9	12	3	3	2	7	127
	011				3	14	19	19	15	14	10	10	12	3	3	3	7	132
	012				4	14	20	19	16	14	11	10	12	3	3	3	7	136
	013	1			6	16	22	19	17	14	11	10	12	4	3	3	7	145
	014	2			8	19	22	19	18	14	11	10	12	5	3	4	8	155
	015	2			9	23	22	21	18	14	11	10	12	5	3	4	9	160
	016	2			9	25	22	21	18	15	11	10	12	5	3	4	9	166
	017	2			11	26	23	21	18	15	13	11	12	5	3	4	9	173
	018	2	1		11	26	24	23	19	16	13	11	12	5	3	4	9	179
	019	2	1	1	12	26	25	23	19	16	15	11	13	5	3	4	11	187
	020	2	1	1	13	26	26	23	19	18	15	11	13	5	3	4	13	193
	021	2	1	1	15	26	26	23	21	18	17	11	13	5	3	4	13	199
	022	2	1	1	17	26	27	23	22	18	17	11	14	6	3	4	13	205
	023	2	1	1	18	26	27	23	22	19	18	11	14	6	3	4	14	209
	024	2	1	1	19	26	27	23	22	19	18	11	14	6	3	4	14	210
Jul.	518															1		1
	515						1						1			1	1	4
	514						2			1	1		1			1	1	7
	513						3			1	2		1			1	1	9
	512						4			1	2		1			1	1	10
	511						4		3	1	2	1	1			1	1	14
	510						5	1	4	2	2	2	1			1	1	19
	509						6	2	4	2	2	4	1			1	2	24
	508					1	6	2	4	3	2	4	1	1		1	2	27
	507					1	7	3	4	3	2	5	1	1		1	2	30
	506					1	7	4	5	4	3	5	1	2		1	2	35
	505					1	9	5	6	4	4	8	1	3		1	2	44
	504					1	9	5	6	5	4	8	1	3	1	2	2	47
	503					2	9	5	6	5	6	8	1	3	1	2	2	50
	502					3	10	6	7	6	6	8	1	4	1	2	3	57
	501					5	10	6	7	6	6	8	1	4	1	2	4	60
	000					8	12	7	7	8	6	10	3	5	1	2	5	74
	001					8	14	7	8	8	6	10	3	6	1	2	5	78
	002				1	9	14	7	9	8	7	10	4	8	1	2	6	86
	003				1	9	15	9	10	9	7	12	5	8	1	2	6	94
	004				1	9	15	9	12	10	8	12	5	9	1	3	6	100
	005	1			2	11	16	11	14	11	10	12	6	9	1	3	6	113
	006	1			3	12	16	11	16	12	10	12	6	11	1	4	6	121
	007	1			3	13	16	13	19	12	11	12	6	12	1	4	6	129
	008	1			3	13	16	14	19	14	12	13	9	13	1	4	6	138
	009	1			3	13	18	15	19	15	13	17	10	13	1	5	7	150
	010	1			3	14	21	16	20	18	16	17	10	13	1	5	8	163
	011	1			4	14	23	18	20	19	17	19	10	14	1	5	8	173
	012	1			5	15	24	19	20	20	17	19	10	14	1	5	9	179
	013	1			5	19	25	21	20	21	17	19	10	14	1	5	9	187
	014	1			5	19	25	23	20	21	18	19	10	14	1	5	9	190
	015	1			5	21	26	24	20	21	18	20	10	14	1	5	9	195
	016	1			5	21	27	24	20	22	18	21	10	14	1	5	9	198
	017	1			5	23	28	26	22	22	19	21	10	15	1	5	10	208
	018	1		1	6	23	29	28	23	23	19	21	10	15	1	6	11	217
	019	1		1	7	24	30	29	23	24	20	22	10	15	1	6	11	224
	020	1		3	7	25	30	29	23	24	20	22	10	15	1	6	12	228
	021	1		3	7	25	30	29	23	24	20	22	10	15	1	6	13	229
	022	1		5	7	25	30	29	24	24	20	22	10	15	1	6	13	232
	023	1		5	7	25	30	29	24	24	20	22	10	15	1	7	13	233
	025	1		5	7	25	30	29	25	24	20	22	10	15	1	7	15	236

FREQUENCY ANALYSES
WILKES 1959

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.	530										1		1					2
	528							1		1	1		1					4
	527							2		1	1		1					5
	526						1	4	1	1	1		1					9
	524						2	5	1	1	1		1					11
	523						2	5	1	2	1		1					12
	522						2	5	1	2	2		1					13
	521						3	5	1	2	3		1					15
	520						3	5	1	2	4		1					16
	519						4	5	2	2	4		1	1				19
	517						5	5	3	2	4		1	1				21
	516						6	6	4	3	4		1	1				25
	515						6	7	4	3	4		2	1				27
	514						6	9	4	3	4		2	1				29
	513						7	9	4	3	4		2	1				30
	512						7	11	5	3	5		2	1				34
	511						9	11	9	3	5		2	1				40
	510						10	11	10	3	5		2	1				42
	509					2	10	12	12	3	6		3	1		1		50
	508					4	10	12	12	5	7	1	3	1		1		56
	507					5	10	12	13	5	8	3	3	1		1		61
	506					6	10	12	15	6	8	4	3	1	1	1		67
	505					11	10	12	15	7	11	4	3	1	2	1		77
	504				1	12	10	13	17	8	12	4	4	1	2	1	1	86
	503				1	14	10	13	18	9	12	4	5	1	2	2	2	93
	502				1	15	11	14	18	9	13	5	5	1	3	2	2	99
	501				1	19	16	14	18	9	13	5	6	1	3	2	2	109
	000				1	22	18	14	18	10	13	5	6	2	3	2	4	118
	001				2	23	19	15	18	10	14	5	7	2	3	2	4	124
	002				2	23	19	15	18	12	14	5	7	2	3	3	4	127
	003				2	24	20	16	18	13	14	5	7	3	4	3	5	134
	004				3	24	21	16	19	13	14	6	7	4	5	3	6	141
	005				3	24	22	17	20	13	15	7	8	5	5	3	7	149
	006				4	26	23	17	20	14	15	8	10	5	6	3	8	159
	007				6	27	23	17	20	15	15	10	10	5	6	3	9	166
	008				7	28	23	17	20	15	15	10	11	5	6	3	11	171
	009			1	8	29	26	17	21	18	15	11	11	6	6	3	11	183
	010			3	8	32	29	18	22	18	15	11	11	7	6	3	12	195
	011			3	8	32	29	19	23	20	16	12	11	8	7	3	12	203
	012			3	9	33	30	19	23	21	16	12	11	8	8	3	14	210
	013			3	9	33	30	21	23	22	17	12	11	9	8	3	14	215
	014			4	10	33	30	21	23	23	17	13	11	9	8	4	14	220
	015			4	10	34	30	22	23	23	17	14	11	9	8	5	14	224
	016			4	11	34	30	23	24	24	17	14	11	9	9	5	14	229
	017			4	11	34	30	23	24	24	17	15	11	11	9	5	16	234
	018			4	11	34	30	23	25	25	19	15	11	11	10	5	17	240
	019			4	11	34	30	23	26	25	19	16	11	11	10	5	17	242
	021			4	11	34	30	23	27	25	19	16	12	11	10	5	17	244
	022			4	11	34	30	23	28	26	19	16	12	11	10	5	17	246
	023			4	11	34	30	23	28	26	19	16	12	11	10	5	18	247

FREQUENCY ANALYSES
WILKES 1959

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.	530										1							1
	528							1			1							2
	527							4			1							5
	526						1	4	1		1							7
	525						2	5	1	1	1							10
	524						3	5	1	3	2							14
	522						3	5	1	3	3	1					1	17
	521						3	5	1	4	5	1					1	20
	520						3	5	3	4	5	1					1	22
	519						4	6	4	4	7	2	1		1		1	30
	518						4	6	6	4	9	2	1		1	1	1	35
	517						7	9	6	6	11	3	1		1	1	1	46
	516						9	9	7	10	11	3	1		1	1	1	53
	515						10	10	8	11	12	4	1		1	1	1	59
	514						10	10	11	11	12	4	1		1	1	1	62
	513					1	11	12	12	11	13	5	1		1	1	1	69
	512					1	13	15	14	11	14	6	2		4	1	1	82
	511					1	16	15	16	13	14	6	3		5	1	1	91
	510					1	17	18	18	15	15	8	3		5	1	2	103
	509					1	17	19	20	18	17	8	3	1	6	1	2	113
	508					1	19	23	24	18	18	8	3	1	6	1	2	124
	507					1	20	24	24	20	19	8	3	1	6	1	2	129
	506					2	23	26	28	21	19	9	3	1	6	1	3	142
	505					2	24	29	30	23	19	9	3	1	6	1	3	150
	504					2	25	31	30	23	19	9	3	1	6	1	3	153
	503					4	28	34	30	24	21	9	3	2	6	1	3	165
	502				1	5	28	36	30	24	21	10	3	2	6	1	4	171
	501				1	5	30	37	31	24	21	10	3	2	6	1	5	176
	000				1	8	31	38	31	24	22	10	3	3	6	1	6	184
	001				1	12	32	38	31	25	22	11	3	3	6	1	6	191
	002				1	13	33	38	33	25	22	12	3	3	6	1	6	196
	003				1	13	33	38	33	25	22	15	4	4	6	1	6	201
	004				1	13	34	39	33	25	22	15	4	4	6	1	6	203
	005				1	14	34	39	33	25	23	15	4	4	7	1	6	206
	006				1	14	34	39	33	25	23	16	5	4	8	1	6	209
	007				1	14	34	39	34	25	24	16	6	4	8	1	6	212
	008				1	14	36	40	34	25	24	17	6	5	8	1	6	217
	010				1	14	36	40	34	27	25	17	6	5	8	1	6	220
	013				1	15	36	40	34	27	25	17	6	5	8	1	6	221
	014				1	15	36	40	34	27	25	18	6	5	8	2	6	223
	016				1	15	37	40	35	27	25	18	6	5	8	2	6	225
	019				1	15	37	41	35	27	25	18	6	5	8	2	6	226
	020				1	16	38	41	35	27	25	18	6	5	8	2	6	228
Oct.	505									1								1
	502							1		1								2
	501						1	1	2	2		1	1					8
	002						1	1	3	2		2	1					10
	003						2	1	3	2		2	2			1		13
	005						3	3	4	2		2	2			1		17
	006						3	6	4	4		4	2			1		24
	007					2	3	6	4	5		4	4			1		29
	008				1	2	3	8	4	6		4	6			1	1	36
	009				1	4	3	8	5	9		4	6			2	2	44
	010				2	7	5	9	5	10		5	6			2	2	53
	011				3	7	7	10	5	13	4	5	6	1		2	2	65
	012				3	10	7	10	7	13	8	5	7	2	1	2	5	80
	013				6	12	7	11	8	14	9	6	9	2	1	2	5	92
	014				8	12	10	12	10	16	9	7	10	3	1	2	9	109
	015				9	13	14	16	11	16	10	7	10	3	1	2	9	121
	016				10	13	16	18	15	17	11	7	10	3	1	2	10	133
	017			1	10	13	17	22	16	18	12	7	11	3	2	2	10	144
	018			2	11	13	21	22	18	19	13	10	11	4	2	2	11	159
	019			2	13	13	21	27	19	21	16	11	13	4	2	2	11	175
	020			2	13	16	25	27	19	22	20	13	14	6	2	4	11	194
	021			2	14	17	27	27	22	22	21	15	15	8	3	4	11	208
	022			2	14	17	27	27	22	22	22	15	15	8	4	4	11	210
	023			2	14	17	27	27	22	23	23	15	15	10	4	4	11	214
	024			2	14	18	28	27	23	23	23	17	15	10	4	4	11	219
	025			2	15	18	28	27	23	23	24	17	15	10	4	4	11	221
	026			2	15	19	28	28	23	24	25	17	15	10	4	4	11	225
	027			2	15	19	29	28	23	24	25	17	15	10	4	4	11	226
	028			2	15	19	29	28	23	24	25	18	15	10	4	4	11	227
	029		1	2	17	19	29	28	23	24	26	18	15	10	4	4	11	231

FREQUENCY ANALYSES
WILKES 1959

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.	010											1						1
	012						1			1	1	1	1					5
	013						1			1	1	1	2					6
	014					1	1			1	1	1	3	1		1	1	11
	015				1	1	1		1	1	1	2	3	1	1	2	2	17
	016				4	3	2		1	1	2	2	3	1	1	3	4	27
	017				7	4	3	3	1	1	3	2	4	3	1	3	4	39
	018				8	6	6	5	4	3	3	3	6	4	1	3	7	59
	019				8	6	7	6	5	3	7	5	7	4	2	3	8	71
	020				8	8	9	6	6	3	11	6	8	6	2	3	9	85
	021			2	11	8	12	7	6	4	13	8	9	7	4	4	11	106
	022			3	11	11	15	10	6	5	14	8	10	10	6	6	13	128
	023		1	3	12	11	18	12	7	11	15	8	11	10	7	6	14	146
	024		1	5	13	12	19	13	8	14	15	8	12	12	8	7	18	165
	025		2	5	16	18	19	13	9	16	16	8	12	12	9	7	20	182
	026		2	5	17	18	21	13	10	17	16	8	13	13	10	7	21	191
	027		3	5	20	19	23	13	12	18	17	9	16	14	12	7	21	209
	028		4	5	20	19	25	13	15	18	17	10	16	15	12	9	21	219
	029		7	6	20	19	25	15	15	19	18	10	16	15	12	9	21	227
	030		8	7	20	19	25	15	15	19	18	10	16	15	12	9	21	229
	031		8	7	20	19	25	15	15	19	19	10	16	15	12	9	21	230
	034		8	7	20	19	25	15	15	19	19	11	16	15	12	9	21	231
Dec.	015										1							1
	017										1		1		1			3
	018							1			1		1		1			4
	019							1			1		1		1		1	5
	020							1			1		1	1	1		1	6
	021							2	1		1		1	2	1		1	9
	022						1	2	1		2		1	2	2		1	12
	023						1	2	2		3		1	2	2		1	14
	024				2		1	2	3		3		1	2	2		1	17
	025				2		1	4	3	2	3		1	2	2	1	1	22
	026				5	1	3	4	4	2	3		1	2	2	1	3	31
	027				7	1	4	6	4	5	3	1	1	2	2	2	3	41
	028	1		1	7	1	7	7	7	5	3	1	2	2	2	3	3	52
	029	1	1	2	10	5	10	8	7	6	3	2	3	3	2	3	4	70
	030	1	6	8	16	7	14	13	10	6	3	3	4	3	2	3	7	106
	031	2	9	10	20	9	17	16	15	9	4	4	4	3	3	3	8	136
	032	3	9	10	24	13	19	18	18	9	4	4	4	5	3	4	10	157
	033	3	10	11	29	14	23	20	20	10	5	4	5	6	3	4	12	179
	034	3	10	12	29	14	24	21	22	12	5	6	7	6	3	4	13	191
	035	3	10	12	29	14	27	22	22	14	7	10	13	8	4	5	13	213
	036	3	10	12	29	14	29	22	24	16	7	10	13	10	4	5	13	221
	037	3	10	12	29	14	29	22	24	17	8	11	14	11	4	6	13	227
	038	3	10	12	29	14	29	22	25	18	9	11	14	12	5	6	14	233
	039	3	10	12	29	14	29	22	25	18	9	11	16	12	7	6	15	238
	040	3	10	12	29	14	29	22	25	18	9	11	16	13	8	7	18	244
	041	3	10	12	29	14	29	22	25	18	9	11	17	13	8	7	19	246
	042	3	10	12	29	14	29	22	25	18	9	11	17	13	8	8	19	247

FREQUENCY ANALYSES
WILKES 1959

	Direction x 10°	Direction and Speed of Surface Wind						Total
		Calm	1-9	10-19	20-29	30-39	40-49	≥50	
Feb.	35 36 01		14	4	0	0	0	0	18
	02 03 04		23	14	1	0	0	0	38
	05 06 07		8	9	5	1	0	0	23
	08 09 10		21	6	6	4	1	0	38
	11 12 13		5	0	1	1	0	0	7
	14 15 16		15	6	0	0	0	0	21
	17 18 19		19	8	1	1	0	0	29
	20 21 22		11	0	0	0	0	0	11
	23 24 25		2	0	0	0	0	0	2
	26 27 28		5	0	0	0	0	0	5
	29 30 31		8	0	0	0	0	0	8
	32 33 34		10	1	0	0	0	0	11
									11
		11	141	48	14	7	1	0	222
Mar.	35 36 01		7	0	0	0	0	0	7
	02 03 04		8	7	0	0	0	0	15
	05 06 07		13	2	0	0	0	0	15
	08 09 10		20	6	6	8	1	4	45
	11 12 13		6	1	0	0	1	0	8
	14 15 16		16	4	2	0	1	0	23
	17 18 19		41	34	12	1	0	0	88
	20 21 22		13	1	3	0	0	0	17
	23 24 25		2	1	0	0	0	1	4
	26 27 28		3	2	0	0	0	0	5
	29 30 31		1	0	0	0	0	0	1
	32 33 34		1	0	0	0	0	0	1
									19
		19	131	58	23	9	3	5	248
Apr.	35 36 01		3	0	0	0	0	0	3
	02 03 04		14	1	2	0	0	0	17
	05 06 07		12	4	6	1	0	0	23
	08 09 10		27	7	13	6	0	0	53
	11 12 13		7	7	0	0	0	0	14
	14 15 16		8	5	2	0	0	0	15
	17 18 19		28	30	3	0	0	0	61
	20 21 22		7	2	1	0	0	0	10
	23 24 25		4	0	0	0	0	0	4
	26 27 28		0	0	0	0	0	0	0
	29 30 31		5	1	0	0	0	0	6
	32 33 34		3	1	0	0	0	0	4
									29
		29	118	58	27	7	0	0	239
May.	35 36 01		5	5	0	0	0	0	10
	02 03 04		17	14	2	0	0	0	33
	05 06 07		12	8	8	5	1	0	34
	08 09 10		2	6	9	9	14	4	44
	11 12 13		8	1	1	1	1	0	12
	14 15 16		16	8	1	0	0	0	25
	17 18 19		38	12	1	2	0	0	53
	20 21 22		9	2	0	0	0	0	11
	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		4	1	0	0	0	0	5
									10
		10	120	58	22	17	16	4	247

FREQUENCY ANALYSES
WILKES 1959

	Direction x 10°	Calm	Direction and Speed of Surface Wind 1-9	10-19	20-29	30-39	40-49	≥50	Total
Jun.	35 36 01		5	1	0	0	0	0	6
	02 03 04		6	5	0	1	0	0	12
	05 06 07		14	6	1	3	0	0	24
	08 09 10		11	2	5	10	19	20	67
	11 12 13		6	0	0	0	1	0	7
	14 15 16		17	8	2	0	0	0	27
	17 18 19		22	17	7	0	0	0	46
	20 21 22		4	3	0	0	0	0	7
	23 24 25		1	1	0	0	0	0	2
	26 27 28		3	0	0	0	0	0	3
	29 30 31		2	0	0	0	0	0	2
	32 33 34		0	2	0	0	0	0	2
									35
		35	91	45	15	14	20	20	240
Jul.	35 36 01		4	3	0	0	0	0	7
	02 03 04		15	10	0	0	0	0	25
	05 06 07		20	3	4	5	0	0	32
	08 09 10		18	11	3	2	5	9	48
	11 12 13		12	1	0	0	0	2	15
	14 15 16		26	7	2	0	0	0	35
	17 18 19		33	10	2	0	0	0	45
	20 21 22		14	1	0	1	0	0	16
	23 24 25		3	1	0	0	0	0	4
	26 27 28		2	0	0	0	0	0	2
	29 30 31		2	3	0	0	0	0	5
	32 33 34		4	0	0	0	0	0	4
									10
		10	153	50	11	8	5	11	248
Aug.	35 36 01		12	1	0	0	0	0	13
	02 03 04		29	13	1	0	0	0	43
	05 06 07		10	7	2	1	0	0	20
	08 09 10		15	4	7	10	7	1	44
	11 12 13		5	6	0	0	1	0	12
	14 15 16		18	12	0	0	0	0	30
	17 18 19		22	6	1	0	0	0	29
	20 21 22		13	4	0	0	0	0	17
	23 24 25		4	0	0	0	0	0	4
	26 27 28		3	0	0	0	0	0	3
	29 30 31		4	0	0	0	0	0	4
	32 33 34		5	1	0	0	0	0	6
									23
		23	140	54	11	11	8	1	248
Sep.	35 36 01		2	1	0	0	0	0	3
	02 03 04		27	35	0	0	0	0	62
	05 05 07		13	14	1	1	1	1	31
	08 09 10		12	10	1	2	3	2	30
	11 12 13		7	2	0	0	0	0	9
	14 15 16		12	6	0	1	1	0	20
	17 18 19		23	11	4	2	2	0	42
	20 21 22		14	2	0	0	0	0	16
	23 24 25		2	0	0	0	0	0	2
	26 27 28		1	0	0	0	0	0	1
	29 30 31		1	0	0	0	0	0	1
	32 33 34		1	0	0	0	0	0	1
									21
		21	115	81	6	6	7	3	239

FREQUENCY ANALYSES
WILKES 1959

	Direction x 10°	Calm	Direction and Speed of Surface Wind 1-9	10-19	20-29	30-39	40-49	≥50	Total
Oct.	35 36 01		8	0	0	0	0	0	8
	02 03 04		37	8	0	0	0	0	45
	05 06 07		14	6	5	0	0	0	25
	08 09 10		9	11	6	5	6	6	43
	11 12 13		4	3	8	9	1	5	30
	14 15 16		7	4	0	0	0	0	11
	17 18 19		23	10	0	0	0	0	33
	20 21 22		18	6	2	0	0	0	26
	23 24 25		2	2	0	0	0	0	4
	26 27 28		1	1	0	0	0	0	2
	29 30 31		0	2	0	0	0	0	2
	32 33 34		3	0	0	0	0	0	3
									16
		16	126	53	21	14	7	11	248
Nov.	35 36 01		7	3	0	0	0	0	10
	02 03 04		18	19	1	0	0	0	38
	05 06 07		5	14	2	1	0	0	22
	08 09 10		6	11	22	18	7	4	68
	11 12 13		7	3	1	1	3	2	17
	14 15 16		9	4	0	0	0	0	13
	17 18 19		9	3	1	0	1	0	14
	20 21 22		1	2	0	0	0	0	3
	23 24 25		6	1	0	0	0	0	7
	26 27 28		8	5	0	0	0	0	13
	29 30 31		8	7	0	0	0	0	15
	32 33 34		10	4	0	0	0	0	14
									5
		5	94	76	27	20	11	6	239
Dec.	35 36 01		13	0	0	0	0	0	13
	02 03 04		31	12	0	0	0	0	43
	05 06 07		11	10	3	0	0	0	24
	08 09 10		11	5	9	5	3	0	33
	11 12 13		2	2	0	0	0	0	4
	14 15 16		9	3	0	0	0	0	12
	17 18 19		20	6	1	0	0	0	27
	20 21 22		20	0	0	0	0	0	20
	23 24 25		13	0	0	0	0	0	13
	26 27 28		10	0	0	0	0	0	10
	29 30 31		8	0	0	0	0	0	8
	32 33 34		11	0	0	0	0	0	11
									29
		29	159	38	13	5	3	0	247

FREQUENCY ANALYSES
WILKES 1959

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
536								1					1
533								2	3				5
530								4	4				8
527						1		4	7				12
524						2	4	8	10				24
521				1	1	5	7	11	16	2			43
518				2	4	9	15	17	21	3			71
515		4	3	8	11	16	20	23	24	11	6		126
512		8	11	12	25	20	28	27	27	19	18	1	196
509		16	20	24	26	25	30	29	28	25	26	12	261
506		22	26	29	28	25	30	29	28	27	28	27	299
503		26	29	29	28	25	30	29	28	27	28	30	309
000		26	29	29	29	25	30	29	28	27	28	31	311

Temperature at 700 mb

536									1				1
533							1	1	3				5
530						1	2	3	7				13
527						4	11	6	13				34
524		1	2	4	3	10	17	11	19	6	5		78
521		4	5	8	15	21	24	22	27	15	18	1	160
518		11	11	15	26	23	26	29	27	22	26	9	225
515		19	17	25	28	25	29	29	27	26	28	18	271
512		22	26	29	29	25	30	29	27	27	28	25	297
509		24	28	29	29	25	30	29	27	27	28	30	306
506		25	29	29	29	25	30	29	27	27	28	31	309
503		26	29	29	29	25	30	29	27	27	28	31	310

Temperature at 500 mb

548							1		1				2
545						1	4		3				8
542					1	4	13	3	10	2	1		34
539		1			8	8	18	11	23	7	6		82
536		3	4	7	16	16	21	20	25	13	12	3	140
533		11	11	11	24	20	25	26	26	17	21	8	200
530		15	18	23	27	22	28	29	26	21	25	14	248
527		21	19	27	29	24	30	29	28	27	28	21	283
524		22	23	29	29	25	30	29	28	27	28	28	298
521		23	27	29	29	25	30	29	28	27	28	31	306
518		24	29	29	29	25	30	29	28	27	28	31	309
515		26	29	29	29	25	30	29	28	27	28	31	311

Temperature at 300 mb

566									1				1
563						1	8	7	12				28
560					2	8	22	17	18	6	2		75
557				8	9	19	28	29	24	14	8	1	140
554			3	14	24	23	30	29	27	25	19	4	198
551		4	12	21	27	25	30	29	28	27	26	16	245
548		11	23	29	29	25	30	29	28	27	28	26	285
545		19	26	29	29	25	30	29	28	27	28	29	299
542		23	27	29	29	25	30	29	28	27	28	31	306
539		25	28	29	29	25	30	29	28	27	28	31	309
536		26	29	29	29	25	30	29	28	27	28	31	311

FREQUENCY ANALYSES
WILKES 1959

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							3	7	2				12
572							8	13	6	5			32
569						3	13	20	15	12			63
566						6	25	27	18	18	1		95
563					1	13	28	29	24	23	4		122
560					2	18	30	29	25	24	11		139
557		1			6	22	30	29	27	24	18	2	159
554		2	2	5	20	25	30	29	27	25	24	4	193
551		3	4	10	27	25	30	29	27	25	27	8	215
548		4	8	22	28	25	30	29	27	25	28	19	245
545		5	19	29	29	25	30	29	27	25	28	26	272
542		13	24	29	29	25	30	29	27	25	28	31	290
539		23	27	29	29	25	30	29	27	25	28	31	303
536		25	28	29	29	25	30	29	27	25	28	31	306

Temperature at 150 mb

578							2	3	1				6
575							2	11	5				18
572							10	17	11	3			41
569						3	23	25	17	12			80
566						5	28	28	22	20			103
563						17	30	28	24	24	3		126
560					2	21	30	28	25	24	7		137
557					8	23	30	28	26	24	13		152
554					24	25	30	28	26	25	21	1	180
551			2	9	26	25	30	28	26	25	26	4	201
548		3	8	22	27	25	30	28	26	25	26	7	227
545		4	19	29	27	25	30	28	26	25	27	18	258
542		12	26	29	27	25	30	28	26	25	27	31	286
539		25	28	29	27	25	30	28	26	25	27	31	301

Temperature at 100 mb

578							1	9	2				12
575							16	20	8				44
572						3	27	23	13				66
569						12	29	26	18	5			90
566						18	29	26	20	19			112
563						20	29	26	25	22			122
560					4	23	29	26	25	23	4		134
557					17	23	29	26	25	24	5		149
554				4	24	23	29	26	25	24	11		166
551				19	25	23	29	26	25	24	16		187
548		2	11	23	25	23	29	26	25	24	21	2	211
545		8	26	28	25	23	29	26	25	24	22	11	247
542		18	28	29	25	23	29	26	25	24	25	25	277
539		25	28	29	25	23	29	26	25	24	26	31	291

Temperature at Tropopause

581							1	2					3
578							1	5					6
575							5	10	2	1			18
572						3	10	16	6	8			43
569						4	13	20	10	11			58
566				1	1	9	21	26	19	18	1		96
563			1	2	5	13	26	28	23	22	6		126
560		2	3	9	12	17	29	29	26	24	13	4	168
557		4	7	14	22	22	30	29	27	25	19	8	207
554		4	15	21	26	25	30	29	27	25	25	17	244
551		15	20	29	28	25	30	29	27	25	28	23	279
548		17	24	29	29	25	30	29	27	25	28	27	290
545		23	26	29	29	25	30	29	27	25	28	28	299
542		25	28	29	29	25	30	29	27	25	28	31	306

FREQUENCY ANALYSES
WILKES 1959

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		1		3
095								1	5		2		8
100		1	1		3			2	13	3	7		30
105		2	5	3	8	4	2	9	20	7	16		76
110		7	9	9	10	7	11	15	23	14	23		128
115		14	11	16	14	12	20	18	24	19	27	5	180
120		22	21	19	20	20	27	21	27	23	28	16	244
125		24	29	27	23	24	27	25	27	27	28	22	283
130		25	29	29	27	25	29	29	28	27	28	29	305
135		26	29	29	28	25	30	29	28	27	28	29	308
140		26	29	29	29	25	30	29	28	27	28	31	311

Geopotential at 700 mb

225									1				1
230								1	3				4
235								1	5		1		7
240			1					2	10		2		15
245			1		2		3	7	18	2	8		41
250		1	4	2	8	3	6	13	22	8	15		82
255		7	6	11	10	10	15	15	23	16	21		134
260		12	9	15	14	18	21	19	24	19	23	1	175
265		19	15	18	20	22	27	22	27	21	26	8	225
270		23	26	22	22	24	27	25	27	27	28	18	269
275		24	29	28	26	25	29	29	28	27	28	24	297
280		25	29	29	28	25	29	29	28	27	28	29	306
285		26	29	29	29	25	30	29	28	27	28	31	311

Geopotential at 500 mb

455									1				1
460									4				4
465								1	4				5
470								2	4				6
475							1	2	8		1		12
480							3	5	17		4		29
485			1	1	2	1	6	10	21	1	8		51
490		1	2	2	7	7	15	13	22	8	14		91
495		3	3	5	10	11	19	14	23	16	17		121
500		8	6	13	13	18	21	20	26	18	21	1	165
505		10	12	16	17	21	24	22	27	21	24	1	195
510		17	14	17	23	24	27	24	27	23	27	8	231
515		20	21	21	24	24	27	27	28	27	28	14	261
520		21	24	27	27	25	28	29	28	27	28	22	286
525		24	27	29	28	25	29	29	28	27	28	22	296
530		24	29	29	28	25	30	29	28	27	28	28	305
535		24	29	29	29	25	30	29	28	27	28	30	308
540		26	29	29	29	25	30	29	28	27	28	31	311

Geopotential at 300 mb

Upper Limit Range gpDm	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
740				1									1
750				1									1
760				1									1
770				1									1
780				1									1
790				1					4				5
800				1			1	1	4				7
810				1			4	3	16				24
820				1		3	15	10	20	4	6		59
830		1	1	5	7	11	18	18	24	7	13		105
840		5	3	8	17	19	23	21	25	19	21	1	162
850		13	11	17	22	24	26	24	27	23	24	3	214
860		17	19	23	25	24	29	29	28	26	28	14	262
870		21	21	29	28	25	29	29	28	27	28	22	287
880		23	27	29	29	25	30	29	28	27	28	25	300
890		24	29	29	29	25	30	29	28	27	28	30	308
900		25	29	29	29	25	30	29	28	27	28	31	310
910		26	29	29	29	25	30	29	28	27	28	31	311

Geopotential at 200 mb

1040								1	4				5
1050							1	1	11				13
1060							8	7	17				32
1070						3	16	13	20	3	5		60
1080					3	9	20	20	24	9	11		96
1090				3	9	19	25	22	26	16	18	1	139
1100				10	21	24	28	28	27	21	22	1	182
1110		4	5	15	23	24	29	29	27	25	25	2	208
1120		10	11	21	28	25	30	29	27	25	28	6	240
1130		15	21	27	29	25	30	29	27	25	28	16	272
1140		19	26	29	29	25	30	29	27	25	28	26	293
1150		23	28	29	29	25	30	29	27	25	28	31	304
1160		24	28	29	29	25	30	29	27	25	28	31	305
1170		25	28	29	29	25	30	29	27	25	28	31	306

Geopotential at 150 mb

1210								1	2				3
1220								2	13				15
1230							5	8	16				29
1240							16	12	18	1			47
1250						5	18	20	21	8	3		75
1260						13	22	24	25	16	10		110
1270					5	21	27	27	26	18	16	1	141
1280				3	15	24	29	28	26	24	23	1	173
1290				14	21	24	30	28	26	25	25	1	194
1300		3	4	15	26	25	30	28	26	25	27	2	211
1310		6	10	22	27	25	30	28	26	25	27	5	231
1320		13	21	27	27	25	30	28	26	25	27	15	264
1330		18	26	29	27	25	30	28	26	25	27	28	289
1340		23	28	29	27	25	30	28	26	25	27	31	299
1350		24	28	29	27	25	30	28	26	25	27	31	300
1360		25	28	29	27	25	30	28	26	25	27	31	301

FREQUENCY ANALYSES
WILKES 1959

Geopotential at 100 mb

Upper Limit Range gpDm	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
1440								1					1
1450								1	6				7
1460								6	14				20
1470							9	9	17				35
1480							17	16	18	1			52
1490						4	17	21	19	4			65
1500						10	23	24	22	14			93
1510						11	26	24	25	18	5		109
1520					2	19	29	25	25	23	14		137
1530					5	21	29	26	25	23	17		146
1540				2	14	23	29	26	25	24	22	1	166
1550				12	20	23	29	26	25	24	22	1	182
1560				14	25	23	29	26	25	24	23	2	191
1570			4	20	25	23	29	26	25	24	26	2	204
1580		4	13	24	25	23	29	26	25	24	26	3	222
1590		11	23	27	25	23	29	26	25	24	26	15	254
1600		16	26	29	25	23	29	26	25	24	26	26	275
1610		23	28	29	25	23	29	26	25	24	26	31	289
1620		25	28	29	25	23	29	26	25	24	26	31	291

Geopotential at Tropopause

650		1											1
700		3	1		1							1	6
750		6	4	1	2	1					2	2	18
800		12	10	3	3	4	1	1		1	5	2	42
850		18	13	8	12	6	7	1	4	1	10	5	85
900		20	16	14	17	9	8	3	8	2	11	13	121
950		21	17	21	21	13	12	5	13	5	20	22	170
1000		21	21	27	23	21	15	9	16	9	23	26	211
1050		21	27	29	27	24	20	13	21	14	26	28	250
1100		24	28	29	29	24	25	20	25	18	27	30	279
1150		25	28	29	29	24	28	24	26	23	28	31	295
1200		25	28	29	29	25	29	27	27	23	28	31	301
1250		25	28	29	29	25	29	27	27	24	28	31	302
1300		25	28	29	29	25	29	27	27	24	28	31	302
1350		25	28	29	29	25	29	27	27	24	28	31	302
1400		25	28	29	29	25	29	29	27	25	28	31	305
1450		25	28	29	29	25	30	29	27	25	28	31	306

Pressure at Tropopause

Upper Limit Range - mb													
150							1	1		1			3
200						1	6	11	6	8	1		33
250		4	10	5	7	11	21	25	17	20	9	5	134
300		6	16	22	22	19	28	28	27	24	20	25	237
350		20	24	29	28	25	30	29	27	25	28	29	294
400		25	28	29	29	25	30	29	27	25	28	31	306

Results of Surface Observations,
DAVIS – JAN., 1959

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	9870	28		25	19	04																		
	05	9872	27		25	18	03	08	8	71	7	8	6	4											
	08	9870	28		26	36	05	12	8	71	7	8	6	5											
	11	9869	31		19	36	12	81	8	01	7	4	6	4	1										
	14	9870	30		21	36	02	40	8	70	2	8	6	4											
	17	9866	30		24	23	09	83	8	02	7	4	6	4	3										
	20	9861	30		21	19	06	83	7	02	2	1	6	4											
	23	9862	27		20	19	04	83	5	01	1	2	5	6	3	0				02	17	174	0005	32	26
02	02	9865	27		07	01	08																		
	05	9874	27		06	03	10	83	3	01	1	2	5	7	0	1									
	08	9877	27		09	01	12	83	5	03	1	3	5	7	3	1									
	11	9882	29		11	36	15	83	6	02	2	1	5	7	3	1									
	14	9885	30		11	36	09	83	7	02	2	1	5	5	3	1									
	17	9885	28		16	26	02	83	7	02	2	2	5	5	3										
	20	9881	27		20	23	03	83	6	02	2	0	0	9	3	0									
	23	9878	27		15	14	06	83	2	01	1	0	0	9	3	0				36	19	163	0000	31	26
03	02	9880	27		09	04	09																		
	05	9885	27		13	04	12	83	5	03	1	5	5	8	0	0									
	08	9888	29		18	01	12	83	6	02	2	1	5	5	0	0									
	11	9893	31		17	01	10	83	7	02	2	1	5	5											
	14	9901	30		20	36	10	83	7	02	2	3	5	5											
	17	9903	30		23	01	10	83	7	02	2	3	5	5											
	20	9908	29		20	02	11	83	7	02	2	2	5	5											
	23	9915	27		19	02	07	83	7	01	2	1	5	5	1	4				02	19	216	0000	31	25
04	02	9918	27		19	04	09																		
	05	9916	29		18	02	06	83	8	02	2	8	5	5											
	08	9918	30		18	02	14	83	7	02	2	7	5	5											
	11	9916	31		20	02	14	83	7	02	2	7	5	5											
	14	9917	31		22	36	14	83	7	14	2	7	5	5											
	17	9912	27		22	34	07	80	7	70	7	7	5	5											
	20	9890	27		22	23	08	83	7	02	7	7	5	5											
	23	9888	24		21	21	07	83	1	01	1	1	5	5	0	0				04	25	243	0000	33	23
05	02	9870	21		05	16	04																		
	05	9845	20		01	14	10	83	0	02	0	0	0	9	0	0									
	08	9816	23		03	16	10	83	0	02	0	0	0	9	0	0									
	11	9793	23		14	22	12	83	0	02	0	0	0	9	0	0									
	14	9793	23		17	23	16	83	1	02	0	1	5	5	0	0									
	17	9809	25		17	23	15	83	1	02	0	1	5	5	0	0									
	20	9838	23		17	23	10	83	1	01	1	1	5	5	0	0									
	23	9877	19		16	23	03	83	1	02	2	1	5	5	0	0				23	23	233	0000	25	18
06	02	9921	19		11	00	00																		
	05	9964	22		14	00	00	83	0	02	0	0	0	9	0	0									
	08	9983	25		13	28	16	83	1	03	0	0	0	9	1	0									
	11	10011	26		17	22	10	83	7	03	1	0	0	9	0	6									
	14	10029	30		21	23	09	83	8	03	2	0	0	9	0	6									
	17	10038	28		20	23	07	83	8	03	2	0	0	9	1										
	20	10042	27		24	24	03	83	8	03	2	0	0	9	1										
	23	10047	26		22	21	05	83	8	02	2	0	0	9	2					24	13	227	0000	31	17
07	02	10049	24		21	21	06																		
	05	10036	25		21	22	07	83	1	02	1	0	0	9	0	1									
	08	10020	25		20	23	10	83	0	02	0	0	0	9	0	0									
	11	9997	27		18	23	10	83	0	02	0	0	0	9	0	0									
	14	9982	29		21	24	09	83	1	03	0	0	0	9	0	5									
	17	9954	29		24	24	09	83	1	02	0	0	0	9	0	1									
	20	9934	27		23	24	02	83	6	03	1	0	0	9	0	6									
	23	9909	24		21	00	00	83	8	02	2	0	0	9	0	6				25	13	170	0000	30	23
08	02	9886	23		20	25	02																		
	05	9856	27		21	00	00	83	8	02	2	0	0	9	0	7									
	08	9827	32		17	01	09	83	8	03	2	0	0	9	1										
	11	9793	34		17	01	13	83	8	03	2	0	0	9	1										
	14	9763	33		21	01	17	82	8	03	2	0	0	9	1										
	17	9739	30		29	04	10	04	8	73	7	0	0	9	2										
	20	9721	30		26	03	16	08	8	71	7	0	0	9	2										
	23	9714	30		26	03	18	24	8	71	7	0	0	9	2					03	33	164	0000	35	22
09	02	9722	30		26	02	22																		
	05	9746	30		25	36	10	40	8	70	7	8	6	4											
	08	9765	31		23	02	10	80	8	70	7	6	6	4	2										
	11	9773	34		20	03	17	81	8	02	2	1	6	4	1										
	14	9777	37		20	04	26	81	8	02	2	0	0	9	1										
	17	9778	35		23	03	23	82	7	02	2	1	6	4	7	1									
	20	9778	34		21	04	24	82	8	02	2	1	6	4	2										
	23	9776	33		24	03	29	82	7	02	2	1	6	4	1					04	41	347	0004	38	30

Results of Surface Observations,
DAVIS – JAN., 1959

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
		$mb \times 10^{-1}$	°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
10	02	9787	32		25	04	24																		
	05	9807	30		27	04	15	16	8	71	7	8	6	4											
	08	9818	32		24	03	17	16	8	70	7	5	6	4											
	11	9822	34		26	02	16	80	8	70	7	5	6	4	0	1									
	14	9827	35		26	01	16	80	8	22	7	2	5	5	3	8									
	17	9830	33		29	01	13	16	8	72	7	8	5	5											
	20	9829	32		27	01	09	40	8	70	7	8	5	5											
	23	9826	31		26	03	05	40	7	70	7	7	5	5						04	39	516	0000	36	30
11	02	9822	31		25	01	02																		
	05	9815	32		26	04	04	80	8	05	2	8	5	5											
	08	9801	32		27	34	03	80	8	15	2	8	5	5											
	11	9793	31		27	24	05	80	7	05	2	7	5	5											
	14	9788	34		26	23	07	80	8	05	2	2	5	5	3	1									
	17	9785	31		26	22	05	40	7	05	2	7	5	5											
	20	9782	29		25	22	03	90	7	05	2	1	5	5	3	1									
	23	9792	29		24	19	03	80	8	05	2	0	0	9	3	1				25	08	242	0000	34	27
12	02	9799	27		19	16	04																		
	05	9803	30		19	36	04	83	7	02	2	7	5	5											
	08	9815	29		18	36	08	83	7	02	2	7	5	5											
	11	9820	31		19	35	07	83	7	02	2	7	5	6											
	14	9828	31		20	29	03	83	7	02	2	6	5	5	0	5									
	17	9826	31		23	20	07	83	7	02	2	5	5	5	3	5									
	20	9822	32		22	21	08	83	6	02	1	1	5	5	3	4									
	23	9825	30		19	00	00	83	8	02	2	0	0	9	3	1				02	13	117	0000	32	26
13	02	9830	27		19	00	00																		
	05	9826	29		24	20	03	83	7	02	2	0	0	9	3										
	08	9818	32		26	24	02	83	6	01	1	0	0	9	3	1									
	11	9814	33		24	27	02	83	4	02	0	1	5	5	3	1									
	14	9811	35		17	31	10	83	3	02	0	1	5	5	0	1									
	17	9805	33		21	22	04	83	1	02	0	1	5	5	0	0									
	20	9800	33		16	22	04	83	1	02	0	1	5	5	0	1									
	23	9807	31		20	02	04	83	5	03	1	3	5	5	3	0				04	13	124	0000	36	27
14	02	9815	29		18	02	08																		
	05	9832	29		15	03	10	83	4	02	0	2	5	5	5	0									
	08	9837	33		18	36	09	83	3	02	0	1	5	5	5	1									
	11	9853	33		17	36	08	83	7	03	1	7	5	5											
	14	9864	34		22	36	09	83	7	03	2	7	5	5											
	17	9870	33		23	35	07	83	4	01	1	1	5	5	3	0									
	20	9880	32		23	23	03	83	7	22	1	6	5	5	3										
	23	9880	31		22	16	04	83	1	01	1	1	5	5	0	0				03	17	151	0000	37	28
15	02	9882	28		17	04	04																		
	05	9884	30		14	04	05	83	1	02	0	0	0	9	0	1									
	08	9878	31		17	35	06	83	2	02	0	1	5	5	0	1									
	11	9875	32		21	25	08	83	2	02	0	1	5	5	0	1									
	14	9875	32		21	24	09	83	4	03	0	1	5	5	3	9									
	17	9876	31		22	22	09	83	1	02	1	0	0	9	3	0									
	20	9876	30		23	22	05	83	1	02	0	0	0	9	3	0									
	23	9883	28		24	21	05	83	1	02	0	0	0	9	3	0				23	11	136	0000	33	25
16	02	9891	27		22	22	03																		
	05	9893	28		17	02	07	83	1	02	0	0	0	9	3	0									
	08	9883	29		20	36	06	83	3	03	0	1	5	5	0	9									
	11	9874	31		22	25	08	83	2	02	0	1	5	5	0	9									
	14	9868	32		21	23	09	83	1	02	0	1	5	5	0	0									
	17	9865	32		22	24	07	83	1	02	0	1	5	5	0	0									
	20	9868	30		21	23	04	83	0	02	0	0	0	9	0	0									
	23	9874	27		23	00	00	83	1	02	1	1	5	5	0	0				04	11	144	0000	33	25
17	02	9879	27		22	16	05																		
	05	9875	28		12	12	08	83	1	02	0	1	5	5	0	0									
	08	9860	28		17	24	07	83	1	02	0	1	5	5	0	0									
	11	9856	29		17	25	07	83	1	02	0	1	1	6	0	0									
	14	9858	31		21	28	05	83	1	02	0	1	5	6	0	0									
	17	9855	30		19	29	05	83	1	02	0	1	5	6	0	0									
	20	9851	28		21	27	04	83	1	02	0	1	5	6	0	0									
	23	9847	27		23	00	00	83	3	03	1	3	5	6	0	0				14	11	135	0000	32	25
18	02	9847	27		19	36	02																		
	05	9843	29		17	06	07	83	8	02	2	8	5	4											
	08	9841	32		21	01	09	83	6	02	2	6	5	4	0	0									
	11	9838	31		20	36	11	83	7	02	2	6	5	4	3										
	14	9848	30		17	36	10	83	5	01	2	4	5	4	3	0									
	17	9850	32		21	36	10	83	1	01	1	4	5	4	0	0									
	20	9862	30		24	02	15	83	7	03	1	7	5	4											
	23	9873	29		20	02	14	83	8	02	2	7	5	4	1					03	22	117	0000	33	26

Results of Surface Observations,
DAVIS – JAN., 1959

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	9887	28		17	02	13																		
	05	9898	29		16	03	11	83	7	02	2	7	5	8											
	08	9901	29		19	36	03	83	7	02	2	7	5	5											
	11	9901	32		17	31	05	83	7	02	2	5	5	5	3										
	14	9898	31		21	24	04	83	7	70	2	6	5	5	3										
	17	9895	32		25	36	08	83	6	01	2	5	5	5	3	0									
	20	9896	31		27	27	03	83	7	14	2	5	5	5	3										
	23	9885	30		23	02	09	82	8	71	7	7	5	5	2					02	27	288	0000	34	28
20	02	9897	30		26	02	13																		
	05	9894	29		26	03	12	04	7	72	7	7	5	5											
	08	9902	30		21	03	15	82	8	14	7	8	5	5											
	11	9895	33		24	01	15	83	5	01	2	3	5	5	3	0									
	14	9892	32		23	02	17	80	7	70	2	6	5	5	3										
	17	9895	31		24	02	09	80	6	14	2	3	5	5	3	1									
	20	9896	30		24	36	05	83	6	02	2	4	5	5	3	0									
	23	9901	29		24	00	00	83	7	02	2	6	5	5	3					04	28	195	0001	34	28
21	02	9909	29		21	28	02																		
	05	9894	29		26	01	04	83	7	02	2	7	5	6											
	08	9902	30		21	30	03	83	7	02	2	7	5	7											
	11	9895	33		24	23	09	83	4	01	1	1	5	7	3	0									
	14	9892	32		23	22	11	83	2	01	1	1	5	7	3	0									
	17	9895	31		24	22	12	83	1	01	1	1	5	7	0	0									
	20	9896	30		24	22	11	83	1	02	0	1	5	5	0	0									
	23	9901	29		24	12	11	83	1	02	0	1	5	5	0	0				15	17	165	0000	31	23
22	02	9909	29		21	11	14																		
	05	10031	18		01	12	21	83	0	02	0	0	0	9	0	0									
	08	10046	25		04	14	16	83	0	02	0	0	0	9	0	0									
	11	10055	31		08	34	07	83	1	03	1	0	0	9	0	4									
	14	10077	30		21	23	11	83	1	03	0	0	0	9	0	4									
	17	10081	33		24	23	03	83	2	03	1	0	0	9	0	4									
	20	10091	33		16	36	03	83	5	03	1	0	0	9	3	9									
	23	10095	31		10	11	08	83	8	02	2	0	0	9	3	4				13	32	317	0000	34	17
23	02	10091	29		06	09	09	83	7	02	2	0	0	9	3	6									
	05	10077	30		07	10	07	87	7	03	1	0	0	9	0	4									
	08	10054	33		13	36	05	83	4	02	1	0	0	9	0	9									
	11	10038	34		15	36	07	83	8	03	1	0	0	9	2										
	14	10011	33		19	36	09	83	7	02	2	0	0	9	1										
	17	9986	33		14	28	03	83	8	02	2	0	0	9	2										
	20	9956	32		16	20	08	83	7	02	2	0	0	9	1										
	23	9935	33		11	04	06	83	6	01	2	0	0	9	0	6				36	16	317	0000	34	27
24	02	9920	30		08	07	08																		
	05	9906	29		12	02	06	83	5	01	1	0	0	9	2	9									
	08	9895	29		12	36	09	83	2	01	1	0	0	9	0	1									
	11	9889	30		11	36	09	83	2	02	0	1	5	5	7	0									
	14	9889	31		10	36	09	83	2	02	0	1	5	5	7	0									
	17	9893	32		12	36	09	83	2	02	0	1	5	5	0	2									
	20	9905	30		15	36	04	83	1	02	0	1	5	5	0	0									
	23	9925	27		11	02	12	83	3	03	1	3	5	5	0	0				03	18	163	0000	32	27
25	02	9958	26		11	02	20																		
	05	9984	26		11	02	23	82	8	03	2	8	5	4											
	08	10014	27		12	03	26	82	8	15	2	8	5	4											
	11	10037	28		12	02	28	81	8	15	2	8	5	5											
	14	10056	29		16	03	23	81	8	22	2	8	5	5											
	17	10068	29		25	03	16	08	8	72	7	8	5	5											
	20	10073	28		22	03	21	16	8	71	7	8	5	5											
	23	10077	29		21	03	30	16	8	71	7	8	5	4						03	40	304	0000	30	26
26	02	10070	30		19	04	19																		
	05	10064	30		17	03	24	80	8	15	2	8	5	5											
	08	10052	31		14	04	28	16	8	22	7	8	6	3											
	11	10035	29		27	04	14	16	8	73	7	8	6	4											
	14	10007	34		22	02	19	81	8	02	7	8	5	5											
	17	9981	33		19	03	23	80	8	15	7	8	6	5											
	20	9946	33		19	03	17	40	8	15	2	8	6	4											
	23	9928	32		19	04	16	24	8	70	2	8	6	3						04	41	533	0000	35	27
27	02	9914	31		17	04	19																		
	05	9902	29		17	05	15	32	8	16	7	8	6	4											
	08	9890	29		15	05	14	16	8	70	7	8	6	4											
	11	9875	32		14	02	14	80	7	02	7	7	5	5											
	14	9871	31		19	01	16	81	7	02	1	7	5	6											
	17	9874	29		15	01	09	24	8	16	2	8	5	5											
	20	9873	29		21	01	07	80	8	22	7	8	5	5											
	23	9880	26		18	02	14	32	8	71	7	8	5	5						04	37	415	0001	35	25

Results of Surface Observations,
DAVIS – JAN., 1959

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	9892	26		18	02	06																		
	05	9911	27		14	03	09	83	7	02	2	7	5	5											
	08	9930	28		17	03	11	24	8	70	2	8	5	5											
	11	9944	28		22	02	10	08	8	72	7	8	5	5											
	14	9967	29		19	02	16	24	8	70	7	8	6	4											
	17	9982	29		14	03	18	80	8	02	7	4	6	4											
	20	10000	29		21	02	21	81	8	15	3	8	5	5											
	23	10016	28		19	02	15	83	8	02	2	7	5	5	2					03	30	306	0000	29	25
29	02	10034	29		21	03	09																		
	05	10049	29		18	04	06	83	8	02	2	8	5	8											
	08	10051	30		16	03	09	83	6	02	2	6	5	8	0	0									
	11	10051	31		12	36	10	83	6	01	1	1	5	6	3	0									
	14	10047	32		15	36	07	83	4	01	1	1	5	6	3	0									
	17	10044	31		17	36	04	83	6	02	1	1	5	6	3	0									
	20	10031	29		18	01	03	83	6	02	1	1	5	6	3	0									
	23	10017	28		20	00	00	83	2	01	1	2	0	9	3	0				03	20	313	0001	34	27
30	02	10003	26		25	06	06																		
	05	9987	28		10	05	08	83	2	02	0	1	5	6	0	1									
	08	9966	30		10	02	16	83	4	03	1	0	0	9	0	4									
	11	9945	33		11	02	18	83	8	02	2	0	0	9	0	5									
	14	9827	33		18	02	16	83	8	03	2	0	0	9	0	5									
	17	9904	32		20	01	09	83	8	03	3	0	0	9	7										
	20	9887	32		16	03	10	83	7	02	3	0	0	9	1										
	23	9870	30		13	04	13	83	8	02	2	1	5	6	3					05	30	177	0000	34	27
31	02	9852	30		13	04	14																		
	05	9846	29		11	04	16	83	8	02	3	3	5	6	2										
	08	9844	29		08	03	16	83	8	02	3	2	5	6	1										
	11	9841	30		11	02	16	80	8	15	2	8	0	9	1										
	14	9844	28		25	02	10	16	8	73	7	8	0	9	1										
	17	9845	29		20	02	10	80	8	02	7	8	0	9	1										
	20	9845	28		16	03	04	80	8	02	3	8	5	5											
	23	9841	27		21	12	04	80	8	02	2	8	5	5						09	30	347	0000	30	26

Results of Surface Observations,
DAVIS – Feb., 1959

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	9844	27		14	07	04	84	8	02	2	8	5	5											
	05	9844	28		11	03	12	84	8	02	2	8	5	7											
	08	9848	28		08	05	19	84	8	02	2	3	5	7	8										
	11	9855	28		06	03	20	84	8	02	2	5	5	7	3										
	14	9856	27		15	02	12	84	8	02	2	0			8										
	17	9857	27		15	02	12	82	8	02	2	0			8										
	20	9863	27		13	04	07	84	8	02	2	0			8										
	23	9868	25		13	04	06	84	8	02	2	1	1	4	5	3				03	29	270	0000	29	26
02	02	9871	25		12	07	07	84	8	02	2	1	1	4	5	3									
	05	9876	25		08	04	12	84	7	02	2	1	1	4	5	1									
	08	9879	25		05	02	14	84	8	03	2	6	8	4	2										
	11	9879	26		04	01	10	84	7	02	2	0			6	1									
	14	9874	27		07	36	05	84	6	01	2	0			6	0									
	17	9870	27		09	35	02	84	5	01	2	0			5	0									
	20	9871	27		09	20	05	84	6	02	2	0			6	0									
	23	9861	25		10	15	02	84	6	02	2	0			6	0				04	24	264	0000	27	24
03	02	9863	25		07	03	07	84	7	02	2	1	5	6	7	0									
	05	9864	23		02	03	10	84	6	02	2	2	5	6	6	0									
	08	9859	25		01	03	12	84	3	01	2	1	5	5	2	0									
	11	9850	27		03	01	10	84	2	01	1	1	5	5	1	0									
	14	9849	28		08	35	17	84	2	02	1	0			2	0									
	17	9848	27		10	23	10	84	2	02	1	0			2	0									
	20	9844	27		09	17	02	84	4	03	1	0			1	3									
	23	9848	25		07	04	11	84		01	1	1	1	4	1	2				03	26	274	0000	28	23
04	02	9855	23		04	04	12	84	3	02	1	1	1	4	1	2									
	05	9855	23		02	05	12	84	4	02	1	1	1	4	1	3									
	08	9849	25		01	02	15	84	5	02	1	1	4	4	0	4									
	11	9848	27		06	02	17	84	5	02	1	1	4	4	0	4									
	14	9851	29		08	34	05	84	4	01	1	1	1	5	0	3									
	17	9855	29		08	21	04	84	4	02	2	2	1	5	0	2									
	20	9855	27		11	14	02	84	6	02	2	3	5	6	3	1									
	23	9851	29		09	09	05	84	8	02	2	3	5	6	3					03	32	245	0000	32	22
05	02	9856	28		10	07	03	84	8	02	2	7	5	6	1										
	05	9858	25		16	20	03	40	7	02	7	7	5	6	0	0									
	08	9859	26		21	17	04	24	8	71	7	8	5	6											
	11	9857	30		16	02	07	80	8	15	7	7	5	5	1										
	14	9857	29		18	21	10	80	8	15	7	7	5	5	1										
	17	9868	26		22	10	05	03		73	7														
	20	9864	27		21	04	20	03		74	7														
	23	9869	27		20	04	25	08	8	38	7	8	8	3						04	38	173	0000	30	25
06	02	9870	27		21	04	32	08	8	38	3	8	8	4											
	05	9881	27		21	04	28	24	7	38	3	7	8	5											
	08	9884	28		18	03	30	40	8	36	3	7	5	4	2										
	11	9880	29		20	03	24	82	8	36	3	7	5	4	2										
	14	9865	29		20	02	14	82	8	02	2	7	5	4	2										
	17	9852	28		25	03	09	16		71	7														
	20	9830	29		26	14	02	16		71	7														
	23	9807	29		21	07	01	80	8	22	7	8	5	4						07	42	485	0016	29	25
07	02	9803	27		24	02	10	80	8	15	2	8	5	4											
	05	9816	28		23	02	05	80	8	36	2	8	5	5											
	08	9835	29		22	03	25	40	7	36	2	7	8	5	0	0									
	11	9849	30		25	03	20	80	7	02	7	7	5	5	0	0									
	14	9854	31		26	01	08	82	8	02	2	7	5	5	3	0									
	17	9854	31		25	26	02	82	8	02	7	6	8	4	7	0									
	20	9861	27		24	23	13	80	8	70	7	8	5	4											
	23	9875	26		22	23	12	82	8	70	7	8	5	5						03	32	421	0008	31	26
08	02	9893	25		20	22	08	82	8	70	7	8	8	4											
	05	9897	25		21	21	05	83	7	01	7	4	6	3	0	0									
	08	9892	25		20	22	14	83	7	02	2	7	8	4	0	0									
	11	9893	24		19	21	10	83	7	02	2	7	8	4	0	0									
	14	9891	24		20	22	10	84	7	01	2	7	8	4	2	4									
	17	9887	23		20	22	10	84	7	01	2	7	8	3	2	0									
	20	9888	21		18	23	09	84	8	01	2	8	5	5											
	23	9895	19		16	20	08	84	8	02	2	8	5	5						22	18	241	0002	26	19
09	02	9897	19		15	19	05	84	8	02	2	8	5	5											
	05	9906	19		15	20	04	84	8	02	2	8	5	3											
	08	9914	19		15	18	03	84	8	02	2	8	5	4											
	11	9924	21		17	34	02	84	7	02	2	7	5	4	0	0									
	14	9928	24		13	33	01	84	7	02	2	7	8	3	0	0									
	17	9928	25		13	01	01	84	6	02	2	6	8	3	0	0									
	20	9928	26		14	04	05	84	7	03	2	7	5	4	2	0									
	23	9934	25		13	07	08	84	8	03	2	7	5	4	1					23	17	184	0000	26	18

Results of Surface Observations,
DAVIS – Feb., 1959

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	25		15	06	06	84	8	02	2	2	5	4	7										
	05	9897	25		14	06	06	84	2	01	1	1	5	4	7	7	0								
	08	9880	31		15	04	14	82	7	03	2	0			7	0	0								
	11	9779	31		18	05	45	80	7	03	2	7	6	4	0	0	0								
	14	9693	31		21	06	48	40	7	15	2	7	6	4	0	0	0								
	17	9607	33		23	04	52	08	6	38	3	5	6	3	1	0	0								
	20	9599	33		25	04	45	08	8	36	3	7	6	3	1	1									
	23	9600	33		22	04	30	08	7	02	2	7	8	4	0	0				05	83	150	0000	33	25
11	02	9604	32		19	04	25	08	8	02	2	8	8	4											
	05	9619	33		24	03	20	80	8	02	2	8	8	3											
	08	9625	33		26	02	17	80	8	02	2	8	6	3											
	11	9647	34		28	02	23	56	7	01	2	7	5	4	0	0									
	14	9699	30		26	28	06	82	8	03	2	8	5	4											
	17	9755	31		22	29	09	82	8	02	2	8	5	4											
	20	9810	31		21	35	06	82	8	02	2	8	5	4											
	23	9841	31		20	01	08	82	8	02	2	8	5	4						05	47	775	0000	34	29
12	02	9847	30		19	03	10	40	8	71	2	8	5	3											
	05	9844	29		21	03	14	16	8	72	7	8	6	2											
	08	9831	32		19	04	18	80	7	02	7	7	6	4	0	0									
	11	9826	34		19	05	22	80	8	02	2	8	6	4											
	14	9810	34		22	04	35	40	8	02	2	8	6	4											
	17	9818	34		25	04	22	40	8	70	7	3	6	3	2										
	20	9829	32		28	03	20	08	8	51	5	8	6	3											
	23	9840	31		28	03	15	08	8	56	5	8	6	3						04	53	355	0001	36	28
13	02	9844	32		28	03	20	08	8	71	7	8	6	3											
	05	9849	31		28	03	18	08	8	71	7	8	6	3											
	08	9853	31		28	03	17	08	8	71	7	8	6	3											
	11	9853	32		26	03	16	56	8	01	7	5	5	4	7										
	14	9852	31		24	02	16	64	8	03	2	3	6	4											
	17	9848	31		25	02	11	81	8	22	7	8	5	4											
	20	9848	30		25	03	10	82	8	01	2	8	5	4											
	23	9844	30		24	02	04	82	8	02	2	4	5	4	7					03	25	520	0000	32	31
14	02	9836	30		23	02	03	82	8	02	2	5	5	4	7										
	05	9832	29		25	03	08	08	8	74	7	8	6	4											
	08	9829	28		23	03	22	08	8	36	7	8	6	3											
	11	9827	27		19	02	13	16		70	7														
	14	9824	29		20	02	10	40	8	70	7	8	6	3											
	17	9818	29		19	03	06	80	8	01	7	8	5	3											
	20	9826	29		21	02	17	80	8	36	7	8	6	3											
	23	9814	27		19	16	05	16	8	71	2	8	6	2						02	28	324	0002	31	27
15	02	9814	25		20	02	08	16	8	70	7	8	6	2											
	05	9813	25		19	03	07	16	8	70	7	8	5	3											
	08	9819	22		17	10	02	14	8	71	7	8	5	4											
	11	9815	24		12	03	10	80	8	02	7	7	5	4	1										
	14	9824	23		15	03	02	16	8	70	7	8	6	4											
	17	9836	23		17	13	01	16	8	71	7	8	5	4											
	20	9841	22		16	11	00	40	8	70	7	8	5	4											
	23	9848	23		14	17	01	16	8	70	7	8	6	4						03	18	238	0005	24	22
16	02	9852	23		18	15	01	40	8	70	7	8	5	4											
	05	9853	24		19	03	03	80	7	01	7	7	5	4	0	0									
	08	9846	26		18	03	15	80	8	02	7	7	5	4	3										
	11	9849	26		22	03	24	80	8	38	3	7	5	4	2										
	14	9850	27		21	03	20	80	8	38	3	7	5	4	2										
	17	9850	25		24	03	17	04		74	7														
	20	9847	25		19	04	09	40	8	36	7	8	5	4											
	23	9849	25		24	04	14	40	8	36	7	8	5	4						03	36	181	0007	27	22
17	02	9851	25		19	04	12	40	8	02	7	8	5	4											
	05	9847	24		16	04	10	40	8	36	2	8	5	4											
	08	9837	25		13	03	15	80	8	15	2	8	5	4											
	11	9836	27		15	03	05	80	8	02	2	7	5	4	1										
	14	9831	27		15	33	01	80	7	01	2	6	5	4	1	7									
	17	9824	27		15	27	02	84	7	02	2	6	5	4	1	7									
	20	9816	27		15	30	01	84	7	02	2	5	5	7	7	7									
	23	9815	26		14	00	00	84	7	02	2	7	5	6	0	0				03	25	410	0002	28	23
18	02	9812	22		10	16	06	84	7	02	2	7	5	6	0	0									
	05	9813	17		06	10	07	84	4	03	1	4	5	6	0	0									
	08	9814	21		05	11	05	84	3	01	1	0			8	0									
	11	9813	25		03	02	08	84	4	03	1	0			7	0									
	14	9815	25		03	19	05	84	3	01	1	0			7	0									
	17	9814	25		07	12	10	84	2	01	1	0			7	0									
	20	9819	23		10	16	02	84	2	01	1	0			7	0									
	23	9821	23		08	07	02	84	6	02	1	0			7	0				35	14	143	0000	25	19

Results of Surface Observations,
DAVIS – Feb., 1959

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	9826	20		08	09	02	84	5	02	1	0			7	0									
	05	9832	20		09	09	02	84	6	03	2	1	5	4	7	5									
	08	9836	26		11	07	03	84	5	03	2	8	5	4	7	0									
	11	9833	28		09	35	04	84	3	01	1	1	5	4	0	2									
	14	9829	28		09	25	02	84	1	01	1	1	5	4	0	0									
	17	9823	29		09	25	01	84	1	02	1	1	5	4	0	0									
	20	9817	28		07	25	01	84	2	02	1	1	5	4	0	1									
	23	9817	22		05	07	01	84	2	02	1	2	5	5	0	0				33	08	147	0000	30	19
20	02	9823	22		09	09	02	84	3	02	1	3	5	5	0	0									
	05	9823	23		11	13	02	84	7	02	2	7	5	5	0	0									
	08	9822	27		08	05	05	84	4	01	2	2	5	7	0	0									
	11	9820	29		12	01	08	84	2	01	1	0			4	0									
	14	9808	29		11	33	05	84	1	01	1	0			4	0									
	17	9800	28		11	23	02	84	2	03	1	0			7	0									
	20	9795	27		06	04	07	84	6	03	2	0			4	0									
	23	9790	24		04	05	05	84	1	01	1	0			4	0				35	14	101	0000	29	22
21	02	9792	22		05	06	02	84	1	02	1	0			4	0									
	05	9790	22		05	04	06	84	2	03	1	1	8	5	4	0									
	08	9788	23		05	10	07	84	7	03	2	7	5	4	0	0									
	11	9782	27		07	04	05	84	6	01	2	6	5	4	0	0									
	14	9784	28		10	36	09	84	5	01	1	5	5	5	0	0									
	17	9785	27		09	02	09	84	7	03	2	7	8	5	0	0									
	20	9786	24		04	03	03	84	5	01	2	4	5	7	4	0									
	23	9783	19		02	10	03	84	1	01	1	1	5	7	0	0				01	17	173	0000	28	19
22	02	9780	17		00	10	02	84	1	01	1	1	5	7	0	0									
	05	9775	15		502	10	06	84	2	03	1	2	5	6	0	0									
	08	9765	19		503	04	06	84	1	01	1	1	5	6	0	0									
	11	9759	21		502	03	13	84	1	03	1	1	8	4	0	0									
	14	9757	23		01	02	16	84	1	01	1	1	8	4	0	0									
	17	9754	21		02	03	19	84	1	03	0	1	8	4	0	0									
	20	9753	20		03	05	09	84	6	03	1	6	2	4	0	0									
	23	9757	20		07	05	12	84	8	03	2	8	2	4						05	29	122	0000	23	16
23	02	9757	21		11	04	12	16	8	70	2	8	6	3											
	05	9762	21		09	05	06	80	8	15	7	4	6	6											
	08	9761	23		10	03	10	80	8	02	7	8	5	6											
	11	9765	23		10	03	13	80	8	02	2	8	5	6											
	14	9765	24		11	03	18	80	8	02	2	8	5	6											
	17	9768	26		11	05	12	82	7	02	2	7	8	5	0	0									
	20	9780	24		14	05	06	80	8	22	7	7	6	5	7	0									
	23	9785	23		13	04	10	80	8	70	7	8	5	5						03	29	436	0000	26	21
24	02	9792	23		14	04	12	80	8	15	2	8	8	5											
	05	9803	23		10	05	04	80	8	70	2	8	6	3											
	08	9812	22		11	03	10	40	8	70	7	8	6	4											
	11	9817	23		10	02	12	82	8	01	7	8	5	5	1										
	14	9820	24		10	03	12	83	7	02	2	7	6	5	7										
	17	9822	24		10	03	12	83	8	02	2	7	6	5	7										
	20	9824	23		10	04	05	84	7	02	2	4	5	6	7	0									
	23	9826	22		08	06	03	84	8	03	2	8	5	6						03	21	338	0000	24	21
25	02	9817	23		09	06	02	84	8	70	2	8	5	5											
	05	9820	22		14	14	01	82	8	02	7	8	5	5											
	08	9827	23		10	01	04	40	8	02	7	7	5	6	1										
	11	9830	23		10	03	02	80	8	02	2	6	6	4	1										
	14	9837	23		13	27	01	40	8	15	7	5	5	5	1										
	17	9844	23		14	29	02	80	7	02	7	6	5	5	1	0									
	20	9856	23		15	22	07	84	2	01	1	1	2	5	2	0									
	23	9867	21		14	22	06	84	2	03	1	1	4	5	0	1				23	17	222	0000	24	19
26	02	9880	18		09	09	04	84	7	03	2	7	4	5	0	0									
	05	9885	15		07	10	07	82	7	02	2	7	4	5	0	0									
	08	9887	20		08	10	03	82	7	02	2	7	4	5	0	0									
	11	9884	22		12	01	15	82	7	02	2	7	4	5	0	0									
	14	9881	23		10	01	08	82	7	01	2	4	5	5	7	1									
	17	9874	22		04	02	05	83	6	01	2	1	5	5	1	6									
	20	9866	21		02	29	02	84	3	01	1	1	5	5	4	1									
	23	9872	16		03	10	04	84	3	02	1	1	5	5	4	1				03	14	181	0000	23	15
27	02	9881	14		03	10	03	84	3	03	1	2	5	5	4	0									
	05	9891	13		01	11	04	84	4	03	1	3	5	5	4	0									
	08	9904	17		03	09	02	84	7	03	2	7	5	6	0	0									
	11	9918	21		05	09	01	84	8	03	2	8	5	6											
	14	9931	22		08	09	01	84	8	02	2	8	5	6											
	17	9937	23		11	03	02	84	8	02	2	8	5	5											
	20	9949	19		16	21	15	08		71	2														
	23	9964	17		10	25	10	40	7	01	7	7	6	5	0	0						170	0000	23	12

Results of Surface Observations,
DAVIS – Feb., 1959

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
28	02	9970	17		13	25	05	40	8	02	2	8	5	5											
	05	9958	18		12	16	04	82	7	01	2	7	8	5	0	0									
	08	9948	23		15	04	12	83	6	01	2	4	8	5	3	0									
	11	9927	25		11	04	05	83	5	01	2	2	8	5	1	6									
	14	9885	25		09	35	02	82	7	03	1	1	5	7	7	6									
	17	9857	25		10	16	03	82	8	03	2	0			2	0									
	20	9812	25		13	20	06	80	7	15	2	7	6	5	0	0									
	23	9771	22		21	18	01	08		75	7									04	11	106	0001	27	15

Results of Surface Observations,
DAVIS – Mar., 1959

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	9740	24		21	27	01	40		71	7														
	05	9739	24		21	18	08	16		73	7														
	08	9739	24		24	17	06	16		73	7														
	11	9742	24		24	14	04	16		73	7														
	14	9766	25		24	16	06	16		71	7														
	17	9792	25		23	16	01	40	8	01	7	8	6	6											
	20	9818	20		16	22	14	80	7	01	3	7	4	6											
	23	9860	20		06	22	12	82	5	01	1	5	4	7	0	0				23	19	150	0044	25	19
02	02	9892	13		07	16	04	84	3	01	1	3	4	6	0	0									
	05	9911	11		06	16	05	84	4	03	1	1	4	6	9	2									
	08	9923	14		08	10	03	83	8	03	2	3	4	6	7										
	11	9941	18		11	09	02	83	8	02	2	1	4	6	7										
	14	9958	21		12	36	03	83	8	03	2	1	8	5	2										
	17	9961	21		16	10	05	83	8	15	2	5	8	5											
	20	9949	23		18	03	18	40	8	36	7	8	8	5						05	42	195	0003	23	11
	23	9934	25		20	03	30	16	8	37	3	8	5	5											
03	02	9903	23		16	05	30	16	8	37	3	8	5	5											
	05	9867	24		18	05	32	16	8	37	3	8	6	3											
	08	9831	24		20	05	40	08		39	3														
	11	9808	25		21	06	31	16	8	37	3	5	5	3	7										
	14	9774	27		26	05	34	16	7	37	3	5	5	4	1										
	17	9767	29		23	05	29	16	6	36	3	5	5	4											
	20	9750	27		20	03	40	40	8	36	3	8	8	4	0	0				05	59	436	0000	29	22
	23	9739	27		18	04	32	16	6	36	3	6	8	4											
04	02	9728	26		16	03	27	40	3	01	7	3	4	6	0	0									
	05	9720	26		14	05	23	80	7	15	2	5	8	4	7	0									
	08	9704	26		14	04	36	83	7	02	2	4	8	4	7	0									
	11	9722	27		15	03	27	83	8	03	2	7	5	5	2										
	14	9733	26		11	04	30	82	8	14	2	7	5	5											
	17	9761	25		09	05	30	82	8	14	2	8	5	5											
	20	9774	25		08	06	23	82	8	02	2	8	5	5						05	51	688	0012	27	24
	23	9778	25		07	05	14	82	8	02	2	8	5	5											
05	02	9806	24		08	10	05	82	8	02	2	8	5	5											
	05	9817	23		08	09	05	82	8	01	2	7	5	5	2										
	08	9835	23		08	10	05	84	7	01	2	5	5	5	7	0									
	11	9850	26		09	18	03	82	8	03	2	6	5	5	7										
	14	9869	27		11	18	03	82	8	70	7	7	5	5											
	17	9882	25		21	10	04	08	8	71	7	8	6	5											
	20	9892	25		12	07	03	84	8	02	2	7	5	5	1					09	28	435	0000	26	22
	23	9901	22		06	12	08	83	8	03	2	8	5	5											
06	02	9910	22		06	12	05	84	7	01	2	7	5	5	0	0									
	05	9919	20		05	11	05	84	7	01	2	6	5	5	4	0									
	08	9929	23		07	10	03	82	7	03	2	5	5	5	7	0									
	11	9938	25		07	34	01	83	6	01	2	5	5	5	4	0									
	14	9943	25		10	23	01	83	6	02	2	5	5	4	7	0									
	17	9948	25		09	22	03	83	7	03	2	4	5	5	7	0									
	20	9949	25		09	13	02	84	7	02	2	6	5	5	1	0				03	13	150	0000	25	21
	23	9955	22		06	03	05	84	7	70	7	7	5	5											
07	02	9958	20		02	05	07	84	8	02	2	8	5	5											
	05	9959	19		501	03	11	82	7	02	2	7	5	5	0	0									
	08	9952	17		503	04	12	82	7	02	2	6	5	5	8	0									
	11	9941	18		503	01	16	82	7	03	2	7	5	5	0	0									
	14	9930	18		503	02	12	82	7	02	2	6	5	5	4	0									
	17	9924	18		503	02	12	82	7	02	2	6	5	5	4	0									
	20	9914	17		503	04	16	82	8	03	2	8	5	5											
	23	9905	15		505	04	12	82	8	02	2	8	5	5						04	22	155	0000	21	16
08	02	9896	15		504	03	14	82	8	02	2	8	5	5											
	05	9892	15		505	03	14	82	8	02	2	8	5	5											
	08	9889	15		503	03	23	82	8	02	2	8	5	5											
	11	9888	17		02	04	15	82	8	02	2	6	5	4	1										
	14	9892	19		00	02	13	82	8	02	2	6	5	4	1	7	0								
	17	9891	18		02	04	09	82	7	01	2	5	5	3											
	20	9889	18		03	05	07	82	8	02	2	7	5	5						03	30	315	0000	19	14
	23	9892	18		11	05	10	82	8	71	7	8	5	5											
09	02	9894	19		09	04	22	82	8	02	7	8	5	5											
	05	9906	17		07	04	22	16	8	71	7	8	5	5											
	08	9923	15		07	06	10	16	8	71	7	8	5	5											
	11	9929	17		06	10	10	82	4	01	7	3	5	5	4	0									
	14	9929	17		04	13	07	82	2	01	1	2	5	5	0	0									
	17	9922	16		02	15	08	82	1	01	1	1	5	5	0	0									
	20	9917	12		00	15	07	84	1	02	0	0	5	5	0	0				04	33	330	0002	19	09
	23	9914	10		502	14	07	84	0	02	0	0			6	0									

Results of Surface Observations,
DAVIS – Mar., 1959

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
10	02	9909	10		503	13	09	83	1	03	0	1	5	4	0	0									
	05	9910	07		502	14	05	83	1	02	1	1	5	6	0	0									
	08	9907	15		01	10	05	84	1	02	1	0			0	0									
	11	9910	25		08	05	06	84	1	02	1	0			4	0									
	14	9927	25		08	36	06	84	4	03	1	1	4	4	5	0									
	17	9932	25		04	04	05	84	1	01	1	1	4	4	5	0									
	20	9953	20		05	11	01	84	1	02	1	1	4	4	0	0									
	23	9970	16		02	11	04	84	1	02	1	1	4	4	0	0				16	22	187	0000	27	08
11	02	9984	15		02	11	04	84	0	01	0	0			0	0									
	05	9996	15		02	11	03	84	2	03	1	0			4	0									
	08	9993	20		06	07	02	84	7	03	2	1	5	5	5	0									
	11	9996	25		09	04	16	84	8	02	2	1	5	5	7										
	14	9990	26		09	04	10	84	8	02	2	1	5	5	7										
	17	9985	26		10	01	08	84	6	03	2	1	5	5	5	0									
	20	9975	21		07	11	03	84	1	01	1	0			5	0									
	23	9970	19		05	08	05	84	1	02	1	0			4	0				03	25	153	0000	27	15
12	02	9966	17		501	10	05	84	3	03	1	0			2	0									
	05	9959	17		501	10	05	83	6	03	1	1	6	5	7	0									
	08	9953	22		01	11	07	83	8	02	2	0			7	4									
	11	9938	26		02	02	03	83	8	02	2	3	6	5	5										
	14	9932	27		08	03	03	83	8	02	2	3	6	5	7										
	17	9922	26		10	03	05	83	8	14	2	3			7										
	20	9910	25		12	01	09	83	8	03	2	3	5	6	7										
	23	9906	25		09	01	04	83	8	02	2	3	5	6	7					05	17	253	0000	27	07
13	02	9895	25		14	02	05	83	8	02	2	3	5	6	7										
	05	9892	26		11	04	01	83	8	01	2	3			7										
	08	9874	26		13	13	04	84	7	01	2	5	5	6	7	0									
	11	9849	27		14	18	05	84	8	02	2	3	5	6	7										
	14	9825	25		15	03	07	16	8	71	7	7	6	4	7										
	17	9790	25		20	03	11	08		73	7														
	20	9740	26		19	05	15	16	8	36	7	8	7	5	5	2									
	23	9695	26		20	04	45	00		39	3									06	63	180	0000	30	24
14	02	9674	27		24	05	45	00		72	3														
	05	9673	27		19	06	48	01		72	7														
	08	9722	27		20	04	45	01		39	3														
	11	9761	29		22	03	30	05		38	3														
	14	9817	30		24	02	26	08	8	73	3	8	6	2											
	17	9857	29		22	02	26	05		70	7														
	20	9897	31		20	03	29	08	8	36	7	8	6	2											
	23	9904	31		22	02	23	08	8	02	7	8	6	4						05	69	668	0003	30	23
15	02	9888	31		22	03	22	08	8	02	7	8	6	4											
	05	9846	32		24	06	21	40	8	02	2	8	6	2											
	08	9817	34		25	05	23	80	8	15	2	1	7	4	7										
	11	9796	36		24	07	20	40	7	15	2	1	5	5	7	0									
	14	9796	33		27	04	26	24	7	15	2	1	7	2	7	0									
	17	9793	32		26	04	23	24	8	70	2	6	6	2	7										
	20	9790	31		24	04	31	40	8	02	2	7	5	2	2										
	23	9786	29		22	04	34	80	7	01	7	7	5	2	0	0				03	57	652	0005	37	29
16	02	9796	28		21	04	37	64	8	03	2	8	7	2											
	05	9822	29		20	04	17	40	8	02	2	8	7	2											
	08	9830	30		18	02	18	40	7	01	2	5	7	3	7	0									
	11	9845	32		15	05	17	80	7	01	2	4	5	5	7	0									
	14	9867	32		17	23	03	81	7	02	2	5	5	5	7	0									
	17	9879	31		16	00	00	81	7	02	2	5	5	6	7	0									
	20	9906	30		23	32	03	82	8	02	2	6	5	6	7										
	23	9933	29		12	03	03	82	8	02	2	8	5	6						05	64	666	0000	32	28
17	02	9956	27		08	05	06	82	8	02	2	8	5	6											
	05	9988	25		04	05	14	82	8	02	2	8	7	3	6	0									
	08	10008	25		03	04	10	82	4	01	2	2	5	6	4	0									
	11	10025	26		03	04	23	82	2	01	1	0			8	0									
	14	10051	25		03	02	16	82	1	01	1	1	5	6	0	0									
	17	10059	24		04	05	12	84	1	03	1	1	5	6	0	0									
	20	10065	19		03	07	11	84	1	01	1	1	5	6	0	0									
	23	10062	17		501	04	12	84	0	02	0	0			0	0				05	37	229	0000	29	18
18	02	10060	16		503	07	12	84	0	02	0	0			0	0									
	05	10037	15		504	07	10	82	1	05	0	1	5	6	0	0									
	08	10024	18		501	04	11	84	1	02	0	1	8	3	6	0									
	11	9999	20		501	05	12	84	1	02	0	1	8	3	6	0									
	14	9982	22		01	02	10	84	1	02	0	1	8	3	6	0									
	17	9974	21		00	20	04	84	1	01	0	1	8	3	6	0									
	20	9964	17		01	04	05	84	1	02	0	1	5	5	0	0									
	23	9965	15		503	07	04	84	1	03	1	1	5	5	0	0				08	24	394	0000	22	15

Results of Surface Observations,
DAVIS – Mar 1959

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	9962	17		501	02	13	84	3	03	1	3	5	5	0	0									
	05	9957	14		503	13	06	84	3	02	1	3	5	5	0	0									
	08	9948	15		501	11	02	84	8	03	2	2	5	5	7										
	11	9937	20		00	13	03	84	7	02	2	3	5	5	7	0									
	14	9938	23		10	03	04	80	7	70	2	5	6	5	4	0									
	17	9930	23		10	16	05	84	6	02	2	3	5	5	4	0									
	20	9916	20		07	11	03	84	4	01	2	2	5	6	4	0				05	21	237	0000	22	15
	23	9912	19		05	10	04	84	5	02	1	3	5	6	4	0									
20	02	9898	17		03	11	05	83	6	03	2	5	5	5	4	0									
	05	9895	19		03	10	04	82	7	03	2	6	0	5	7	0									
	08	9882	18		02	12	05	84	4	01	1	1	1	5	3	0									
	11	9862	23		01	13	03	84	3	01	1	1	0	5	5	5									
	14	9854	24		05	25	02	84	3	02	1	1	1	5	5	5									
	17	9852	24		06	16	04	84	3	02	1	1	0	5	5	5									
	20	9841	19		04	06	01	84	2	03	1	2	5	5	4	0				11	09	143	0000	24	17
	23	9843	16		01	06	02	84	3	03	1	3	5	5	4	0									
21	02	9847	17		04	06	08	84	4	03	1	4	5	5	4	0									
	05	9860	20		08	02	07	40	7	15	2	7	6	6	5	0									
	08	9865	20		14	04	10	40	7	70	7	6	6	6	5	0									
	11	9869	21		17	02	09	08	7	71	7	6	6	6	5	0									
	14	9863	22		14	03	09	40	8	70	7	6	7	5	5	9									
	17	9851	22		10	03	13	80	8	02	7	7	8	5	5	7									
	20	9832	22		08	09	03	80	8	02	2	7	8	5	4					04	18	162	0000	22	17
	23	9823	20		13	15	03	80	8	02	7	8		5	4										
22	02	9809	21		09	19	01	81	6	01	2	6		5	4	0									
	05	9801	17		07	22	03	83	7	01	2	2		5	4	7									
	08	9791	16		03	15	04	83	6	01	2	2		5	4	7									
	11	9786	20		04	13	01	84	5	01	2	1		5	5	7									
	14	9782	23		07	01	02	84	2	01	1	1		5		7									
	17	9778	22		07	02	03	84	2	01	1	0				7									
	20	9771	16		00	09	03	84	2	01	1	1		5	5	4				05	16	193	0000	23	13
	23	9771	13		507	06	08	84	1	01	1	1		5	5	0	0	0	0						
23	02	9780	12		509	07	07	84	2	03	1	2		5	5	0	0	0	0						
	05	9783	10		511	04	10	83	2	05	1	2		5	5	0	0	0	0						
	08	9792	11		511	04	13	84	2	02	1	2		5	5	0	0	0	0						
	11	9797	13		508	03	16	84	2	02	1	2		5	5	0	0	0	0						
	14	9801	15		504	03	24	84	2	02	1	2		5	5	0	0	0	0						
	17	9811	14		506	03	23	84	2	02	1	2		5	5	0	0	0	0						
	20	9815	13		507	05	17	84	1	01	1	1		5	5	0	0	0	0	03	43	226	0000	15	09
	23	9821	14		503	05	17	84	1	03	1	1		8	3	0	0	0	0						
24	02	9821	18		02	09	09	83	8	03	2	7	8	6	3	7									
	05	9819	19		04	06	17	82	8	03	2	7	8	6	4										
	08	9823	22		07	05	04	80	8	70	7	8	8	6	4										
	11	9808	23		11	04	18	40	8	15	7	7	8	6	4										
	14	9789	24		15	03	23	24	8	70	7	7	8	6	4										
	17	9785	25		16	03	31	24	8	15	7	7	8	6	4										
	20	9786	25		17	04	37	24	8	02	7	7	8	6	4					05	57	479	0000	26	14
	23	9801	25		17	04	39	80	8	02	2	7		6	4	2									
25	02	9808	25		15	03	38	80	8	02	2	7	8	6	4	1									
	05	9816	25		16	03	30	80	8	02	2	8	4	5	3										
	08	9826	25		15	03	26	82	7	01	2	2	4	5	5	8	0								
	11	9823	28		16	03	26	82	6	01	2	2	3	5	5	7	0								
	14	9816	29		17	03	26	82	7	03	2	2	2	5	5	9	2								
	17	9807	28		17	03	17	82	7	03	2	2	6	5	5	1	0			05	55	880	0000	29	25
	20	9803	28		15	04	11	82	7	02	2	2	6	5	5	7									
26	02	9783	28		14	05	31	80	7	02	2	6	6	5	4	7									
	05	9765	28		15	06	26	80	7	02	2	2	6	5	4	7	0								
	08	9749	30		15	06	26	80	7	03	2	2	6	6	3	7									
	11	9743	31		16	06	30	82	7	02	2	2	6	5	4	7	4	0							
	14	9737	32		18	04	21	82	7	03	2	2	6	5	5	7									
	17	9720	32		18	04	37	82	8	02	2	2	1	5	5	7									
	20	9740	31		17	04	30	82	8	03	2	2	4	5	5	7									
	23	9789	28		13	05	29	80	7	02	2	2	4	5	5	7	0								
	23	9747	31		16	06	14	82	8	02	2	2	4	5	5	7				08	54	671	0000	32	28
27	02	9727	31		15	07	14	82	8	02	2	4	6	5	4	7									
	05	9716	32		13	08	24	82	7	03	2	2	6	5	5	7	0								
	08	9708	31		10	08	19	82	8	02	2	2	6	5	4	7									
	11	9698	32		10	07	29	82	7	01	2	2	5	6	4	7									
	14	9702	32		10	07	21	82	7	02	2	2	5	5	5	7									
	17	9704	31		08	07	19	82	6	01	2	2	5	5	5	7									
	20	9715	29		05	08	24	80	6	02	2	2	5	5	5	7				09	47	562	0000	32	27
	23	9725	28		04	09	26	80	5	01	2	1	5	5	5	2									

Results of Surface Observations,
DAVIS -- Mar., 1959

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	9731	28		04	09	30	80	5	02	1	2	5	4	2	0									
	05	9737	29		07	08	34	82	6	03	2	4	5	3	7	0									
	08	9739	30		09	09	29	82	7	02	2	3	6	3	7										
	11	9736	33		14	07	32	82	7	02	2	2	8	3	7	5									
	14	9758	33		20	05	28	82	7	03	2	3	7	2	7	2									
	17	9791	31		23	04	23	81	7	15	7	4	6	2	7										
	20	9838	29		24	05	17	40	8	70	7	8	5	3											
	23	9836	31		17	06	34	40	8	02	7	8	5	3						08	48	346	0000	33	27
29	02	9845	31		20	05	26	40	8	02	2	8	5	3											
	05	9878	31		19	04	24	40	8	03	2	5	6	3											
	08	9913	32		18	05	16	82	8	02	2	6	6	3	7										
	11	9933	32		20	02	06	82	8	15	2	5	6	3	7										
	14	9957	32		19	01	02	82	7	15	5	6	3	7	7										
	17	9971	30		18	13	04	82	8	02	7	7	6	3	7	0									
	20	9970	28		13	12	06	83	6	01	2	3	5	5	3										
	23	9960	23		10	14	05	84	1	02	0	1	5	5	0	0				05	47	666	0000	33	21
30	02	9950	20		05	13	06	84	1	02	0	1	5	5	0	0									
	05	9933	16		01	14	10	84	1	02	1	1	5	5	0	0									
	08	9917	15		502	14	13	84	2	02	1	1	0		4	6									
	11	9900	21		02	13	08	84	1	02	1	1	0		4	0									
	14	9891	25		04	36	03	84	1	02	1	1	1	5	4	5									
	17	9883	23		05	06	04	84	1	02	0	1	1	5	7	0									
	20	9881	18		502	05	09	84	2	03	1	1	5	5	0	5									
	23	9888	16		504	05	09	84	4	03	1	2	5	5	3	0				16	19	202	0000	24	15
31	02	9900	09		510	13	04	84	1	01	1	1	5	5	0	0									
	05	9910	08		511	10	03	84	0	02	0	0			0	0									
	08	9911	10		509	04	02	84	1	03	1	0			0	1									
	11	9910	11		510	13	02	84	1	02	1	0			0	1									
	14	9897	17		508	13	03	84	2	05	1	0			0	1									
	17	9892	13		506	17	08	84	3	03	1	0			4	0									
	20	9886	10		507	13	01	84	1	01	0	1	5	5	0	0									
	23	9880	09		508	14	03	84	0	02	0	0			0	0				04	20	202	0000	17	07

Results of Surface Observations,
DAVIS – Apr., 1959

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	9876	13		509	31	03	84	0	02	00	0			0	0									
	05	9872	10		509	04	02	84	1	02	00	1	8	4	4	0									
	08	9867	09		511	12	07	84	1	02	00	1	8	4	4	0									
	11	9847	13		507	08	06	84	1	02	00	1	8	4	4	0									
	14	9821	15		508	04	08	84	1	02	00	1	8	5	0	0									
	17	9803	13		509	09	03	84	1	02	00	1	8	5	4	0									
	20	9790	07		511	07	04	84	1	01	00	1	5	5	0	0									
	23	9748	05		514	07	03	84	0	01	00	0			0	0				05	22	165	0000	16	04
02	02	9716	02		515	08	05	84	0	02	00	0			0	0									
	05	9692	04		512	03	06	84	1	03	00	1	5	5	0	0									
	08	9661	12		502	04	13	84	7	03	20	7	5	5	0	0									
	11	9653	09		01	03	17	80	7	15	20	7	5	5	0	0									
	14	9647	13		05	03	17	40	8	70	70	7	8	6	4										
	17	9644	15		06	03	19	40	8	01	20	8	8	6	5										
	20	9660	15		08	03	40	16	8	70	70	7	8	6	4										
	23	9677	17		08	03	31	16	8	70	70	7	8	6	4					04	52	188	0000	17	02
03	02	9693	16		06	04	24	08	8	71	70	7	8	6	4										
	05	9712	15		05	05	04	08	8	73	70	7	8	6	3										
	08	9748	15		06	05	11	08	8	71	70	7	8	6	1										
	11	9779	15		08	03	11	01		73	70	7													
	14	9824	18		11	03	22	00		74	70	7													
	17	9861	18		11	09	03	82	7	03	70	7	7	6	2	7	0								
	20	9876	18		12	12	05	82	6	01	70	7	1	8	4	7	0								
	23	9883	23		16	12	01	82	7	03	20	2	3	6	4	7	0			05	39	657	0001	21	14
04	02	9899	25		18	08	01	08	8	70	70	7	8	6	4										
	05	9914	29		22	03	05	82	8	01	70	7	8	5	5										
	08	9944	28		20	34	02	82	7	02	70	7	5	6	2	7	0								
	11	9967	28		21	04	23	82	6	36	30	3	2	5	5	9	5								
	14	10005	29		05	03	13	82	6	01	20	2	3	5	5	9	5								
	17	10027	27		11	20	02	84	6	02	20	2	3	5	5	5	0								
	20	10033	21		06	10	04	84	2	01	10	1	1	5	5	4	0								
	23	10036	17		04	09	05	84	1	01	10	1	1	5	5	4	0			05	37	250	0009	30	17
05	02	10038	16		03	09	04	84	1	02	00	1		5	5	4	0								
	05	10043	15		01	05	02	84	1	02	00	0	0			4	0								
	08	10052	13		00	09	03	84	2	03	10	0	0			0	5								
	11	10060	18		03	07	04	84	1	01	10	1	0			0	5								
	14	10059	21		05	04	04	84	1	05	10	1	0			4	0								
	17	10059	18		03	05	05	83	1	05	10	1	0			4	0								
	20	10054	14		501	09	03	83	1	05	10	1	0			4	0								
	23	10049	13		502	07	03	83	1	02	00	0	0			4	0			03	10	237	0000	21	11
06	02	10043	14		502	09	07	83	1	02	00	0	0			4	0								
	05	10042	09		505	08	03	83	1	02	00	0	0			4	0								
	08	10031	11		503	09	04	84	3	03	10	1	0			0	5								
	11	10025	20		05	34	11	84	2	01	10	1	0			4	1								
	14	10019	20		04	03	09	84	1	01	00	0	0			4	1								
	17	10013	17		02	05	07	84	1	02	00	0	0			4	0								
	20	10011	18		06	01	11	83	4	03	10	1	0			0	5								
	23	10010	18		04	04	07	82	8	02	20	2	0			2				04	30	108	0000	20	10
07	02	10006	19		05	10	03	82	8	02	20	2	0			2									
	05	10006	19		05	04	06	82	8	02	20	2	0			2									
	08	10002	19		06	09	03	82	7	01	20	2	1	5	5	2	0								
	11	9997	19		08	12	03	83	7	02	20	2	2	5	5	7	0								
	14	9996	19		08	12	03	83	8	02	20	2	0			7									
	17	9996	19		07	14	01	82	8	02	20	2	0			7									
	20	9989	17		08	08	02	82	8	02	20	7	8	6	4										
	23	9988	15		02	32	09	82	8	02	20	2	8	6	4					34	12	195	0000	19	14
08	02	9982	14		01	34	11	82	8	02	20	2	8	6	4										
	05	9968	12		00	34	09	82	8	70	70	7	8	6	4										
	08	9948	11		00	01	07	82	8	01	70	7	0			7									
	11	9936	11		502	35	08	82	8	02	20	2	0			7									
	14	9913	11		502	36	06	82	8	02	20	2	3	6	5	7									
	17	9892	11		502	01	02	82	8	15	70	7	4	5	5	7									
	20	9872	08		06	22	06	24	8	70	70	7	8	5	4										
	23	9862	06		03	27	04	80	7	22	70	7	7	5	4					33	15	170	0000	14	06
09	02	9851	06		02	31	01	82	8	02	20	2	8	5	4										
	05	9838	06		02	07	03	82	7	02	20	2	7	8	3										
	08	9835	08		00	06	03	80	8	15	20	2	4	8	4	7									
	11	9841	08		00	02	02	16		70	70	7													
	14	9865	09		01	03	03	40	8	70	70	7	8	6	4										
	17	9891	08		01	36	03	80	8	15	20	2	6	5	3	7									
	20	9925	09		04	06	02	80		71	70	7													
	23	9945	09		04	15	03	82		02	20	7								04	14	140	0001	09	05

Results of Surface Observations,
DAVIS – Apr., 1959

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	9962	07		501	14	03	82		02	2														
	05	9966	11		05	14	04	82		70	7														
	08	9968	13		11	13	03	40		71	7														
	11	9971	17		15	05	03	40		71	7														
	14	9973	18		15	02	01	82	8	01	7	3	5	5	7										
	17	9981	19		16	01	09	40		71	7														
	20	9982	18		15	03	07	04		71	7														
	23	9987	17		15	02	03	08		70	7									01	14	119	0002	19	07
11	02	9989	17		13	02	03	40		22	7														
	05	9999	17		11	07	02	40	8	15	2	8	6	3											
	08	9998	16		12	07	03	80	8	02	2	7	7	3	7										
	11	10000	17		12	00	00	80	8	02	2	7	7	3	7										
	14	10009	17		13	07	01	82	8	01	2	3	8	4	7										
	17	10012	16		12	00	00	82	8	02	2	3	8	4	7										
	20	10015	17		11	09	01	82	8	02	2	2	5	4	7										
	23	10 15	15		08	14	03	83	0	01	1	0			0	0				11	12	147	0008	17	15
12	02	10 14	06		506	03	07	83	0	02	0	0			0	0									
	05	10000	16		05	07	10	83	0	02	0	0			0	0									
	08	9998	05		506	07	06	84	2	05	1	0			4	6									
	11	9990	08		507	04	04	84	2	03	1	0			5	6									
	14	9967	13		00	11	05	84	3	03	1	0			0	6									
	17	9954	12		502	09	06	84	7	03	2	0			5	6									
	20	9929	14		01	11	06	84	3	01	1	0			5	6									
	23	9900	17		03	10	07	83	7	02	2	0			5	6				09	22	119	0000	19	04
13	02	9886	22		07	09	08	82		70	2														
	05	9869	20		19	14	07	05		73	7														
	08	9861	21		19	18	10	16		71	7														
	11	9862	23		21	14	09	16		73	7														
	14	9855	24		20	12	05	16		71	7														
	17	9850	25		12	02	17	16	8	36	7	8	6	4											
	20	9846	23		20	15	10	02		73	7														
	23	9849	23		21	14	07	01		75	7									09	40	151	0021	25	18
14	02	9857	22		19	15	06	04		73	7														
	05	9866	21		15	13	04	04		73	7														
	08	9873	22		16	34	07	80	8	15	7	7	6	4	1										
	11	9876	22		08	04	01	82	7	01	2	5	4	4	7										
	14	9878	22		11	02	04	80	8	15	2	7	7	4	2										
	17	9873	22		10	03	13	80	8	15	2	5	6	3	2										
	20	9856	20		12	01	04	40		71	7														
	23	9821	20		19	36	26	04		38	3									35	37	156	0060	22	20
15	02	9815				36	39	01		39	3														
	05	9823				36	37	01		39	3														
	08	9830	16		15	36	43	00		39	3														
	11	9871	16		11	35	30	00		39	3														
	14	9885	15		09	35	25	08	8	37	3	7	5	4	2										
	17	9888	14		08	35	23	16	8	36	3	7	5	4	2										
	20	9886	14		08	36	23	16	8	36	3	8	5	4											
	23	9876	13		07	35	22	16	8	36	3	8	5	4						36	56	565	12	22	16
16	02	9873	13		08	02	07	16	8	01	2	8	5	5											
	05	9871	10		502	01	07	40	8	02	2	8	5	5											
	08	9858	05		503	36	10	80	7	15	7	7	6	4											
	11	9851	04		00	34	09	82	6	14	2	6	5	5											
	14	9826	03		502	36	07	84	7	03	2	7	5	5											
	17	9837	03		00	36	12	82	8	16	2	8	6	4											
	20	9820	03		00	05	02	80		70	7														
	23	9811	05		02	06	02	80		70	7									35	44	545	0000	13	01
17	02	9811	06		04	02	04	80		70	7														
	05	9801	07		03	35	28	80		36	7														
	08	9800	08		01	35	22	16		36	3														
	11	9799	09		02	35	22	40	8	36	3	8	6	5											
	14	9801	10		05	01	12	40	8	02	7	8	6	5											
	17	9807	09		07	00	00	16	8	71	7	8	6	4											
	20	9798	10		04	20	03	08		73	7														
	23	9795	08		02	11	03	16		71	7									01	37	303	0003	09	04
18	02	9793	08		00	12	03	08		71	7														
	05	9792	09		504	13	05	16		71	7														
	08	9793	09		02	11	03	08		71	7														
	11	9799	10		04	11	03	16	8	71	7	8	6	2											
	14	9791	10		04	15	05	08	8	71	7	8	6	3											
	17	9783	09		05	06	03	08	8	71	7	8	6	2											
	20	9774	10		05	04	04	08		71	7														
	23	9771	11		05	08	02	08		71	7									14	09	184	0023	11	08

Results of Surface Observations,
DAVIS – Apr., 1959

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	9770	10		05	10	07	08		71	7														
	05	9764	09		03	10	06	16		71	7														
	08	9763	11		01	04	05	80	8	22	7	6	6	3	2										
	11	9765	10		01	07	03	16	8	70	7	7	6	3	2										
	14	9764	10		00	04	06	16		71	7														
	17	9767	08		00	08	05	80	8	02	7	6	5	3	7										
	20	9764	07		501	04	07	80	8	02	7	8	5	5											
	23	9764	10		02	04	09	80	8	02	7	8	5	5						04	21	112	0026	14	07
20	02	9759	13		04	03	10	80	8	02	2	8	5	5											
	05	9754	14		501	01	02	80	8	02	3	8	5	5											
	08	9747	14		01	04	12	80	7	36	3	0			7	5									
	11	9750	12		04	05	10	82	8	02	7	1	5	5	7										
	14	9750	11		06	05	11	40	8	71	7	8	6	4											
	17	9750	11		06	05	05	08		71	7														
	20	9741	11		00	08	07	40	8	01	7	5	5	5	7										
	23	9726	13		04	09	15	40	8	02	2	5	5	5	7					04	26	304	0010	13	09
21	02	9711	19		10	03	18	40	8	36	2	6	5	5	7										
	05	9716	20		06	05	12	40	8	03	7	7	5	5	7										
	08	9738	11		01	35	12	81	7	01	2	7	8	5	7										
	11	9770	10		07	00	00	81	5	01	2	1	8	5	2										
	14	9803	08		06	15	03	81	6	02	2	1	8	5	7										
	17	9800	13		10	16	15	40	8	71	7	8	6	4											
	20	9815	20		12	04	16	80	8	01	2	6	6	2	7										
	23	9827	17		11	05	07	80	6	02	2	3	5	4	7					05	30	263	0003	20	08
22	02	9847	17		10	06	07	80	7	02	2	3	5	4	3										
	05	9857	13		02	11	05	80	7	02	2	7	5	4											
	08	9860	10		02	07	04	82	3	01	2	1	5	5	7	0									
	11	9862	11		01	09	03	82	7	03	1	6	5	5	7										
	14	9850	11		501	04	04	82	5	01	2	4	5	5	7	0									
	17	9837	05		509	06	08	82	3	01	1	2	5	5	1	0									
	20	9821	01		511	04	03	84	2	01	1	1	5	5	4	0									
	23	9786	00		510	04	05	84	2	02	1	2	5	5	0	0				04	18	227	0000	17	00
23	02	9800	03		508	01	14	84	5	03	1	5	5	5	0	0									
	05	9802	07		505	36	16	84	7	03	2	7	5	5											
	08	9800	09		01	36	10	80	8	02	2	8	5	5											
	11	9804	09		04	36	20	80	8	36	2	8	5	5											
	14	9812	10		05	36	23	80	8	36	3	8	5	5											
	17	9817	11		06	35	19	80	8	37	3	8	2	6											
	20	9827	11		07	01	10	16		70	7														
	23	9836	12		05	01	16	80	8	02	7	8	5	5						01	36	232	0000	12	09
24	02	9841	10		02	36	14	80	8	02	2	8	5	5											
	05	9859	11		02	34	10	80	8	02	2	8	5	5											
	08	9865	10		01	34	13	82	8	02	2	8	5	5											
	11	9876	10		02	03	06	82	7	01	2	5	5	5	4										
	14	9884	09		00	01	03	82	7	02	2	6	5	5	4										
	17	9890	06		502	05	04	82	7	03	2	7	5	5											
	20	9890	08		01	06	05	82	8	03	2	8	5	5											
	23	9891	08		501	08	02	82	7	01	2	6	5	6	1					36	19	304	0000	11	06
25	02	9899	07		501	08	02	82	7	02	2	6	5	6	1										
	05	9914	04		505	09	04	82	7	01	2	2	5	6	7										
	08	9928	501		510	08	06	82	3	02	1	3	5	6	0										
	11	9942	501		510	09	05	84	0	05	1	0			0	0									
	14	9965	501		509	10	03	84	0	05	0	0			0	0									
	17	9986	503		512	10	05	84	1	05	0	0			7	0									
	20	10014	505		515	08	06	84	0	02	0	0			0	0									
	23	10036	505		515	08	08	84	0	02	0	0			0	0				09	12	246	0000	07	505
26	02	10063	506		516	08	08	84	0	02	0	0			0	0									
	05	10074	506		516	09	07	84	0	02	0	0			0	0									
	08	10088	505		515	06	07	84	0	02	0	0			0	0									
	11	10121	501		512	11	02	84	0	02	0	0			0	0									
	14	10139	03		506	13	01	84	2	03	0	0			4	8									
	17	10156	02		507	06	02	84	1	01	1	0			4	0									
	20	10152	01		509	07	04	84	1	02	1	0			4	0									
	23	10134	01		508	09	07	84	1	02	1	0			4	0				09	17	152	0000	04	507
27	02	10106	01		510	08	03	84	0	01	0	0			0	0									
	05	10093	05		507	09	06	84	0	02	0	0			0	0									
	08	10070	07		506	09	10	84	1	03	0	0			7	0									
	11	10042	11		503	06	13	84	2	03	1	0			0	4									
	14	10020	12		00	11	13	84	3	03	1	0			0	5									
	17	10005	13		01	08	21	84	1	36	0	0			0	5									
	20	10007	11		06	07	10	84	2	02	0	0			0	1									
	23	10004	11		05	06	06	84	2	02	0	0			0	1				08	37	176	0000	13	501

Results of Surface Observations,
DAVIS — Apr., 1959

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	9991	10		05	09	06	84	2	02	0	0			0	1									
	05	9968	10		05	09	06	84	2	02	1	0			0	1									
	08	9942	07		501	09	05	84	2	03	1	0			0	1									
	11	9922	09		504	09	10	84	4	03	1	0			4	1									
	14	9894	09		505	09	02	84	6	03	2	0			4	6									
	17	9874	08		505	08	07	84	7	03	2	2	5	5	4	6									
	20	9842	08		505	09	00	84	3	01	2	1	5	5	7	0									
	23	9839	04		507	07	06	84	2	01	1	1	5	5	7	0				09	14	257	0000	10	02
29	02	9842	03		508	09	08	83	4	03	1	1	5	5	1	0									
	05	9845	01		511	01	05	83	3	01	1	0			7	0									
	08	9843	02		502	09	02	84	3	02	1	0			7	1									
	11	9843	01		511	10	02	84	3	02	1	0			7	1									
	14	9833	02		509	09	05	84	4	03	1	0			7	2									
	17	9826	502		513	09	05	84	4	02	1	0			7	2									
	20	9825	504		517	07	12	84	1	01	1	0			7	0									
	23	9821	506		518	08	09	84	1	02	0	0			7	0				04	18	143	0000	07	506
30	02	9819	507		519	09	06	84	0	02	0	0			0	0									
	05	9819	506		519	07	08	84	0	02	0	0			0	0									
	08	9819	507		521	08	03	83	2	03	1	1	5	5	1	0									
	11	9813	505		519	03	06	84	1	02	0	1	5	5	0	0									
	14	9812	505		516	01	17	84	3	03	1	3	8	5	0	0									
	17	9809	504		514	36	12	83	7	03	2	7	5	5											
	20	9808	503		507	02	10	80	8	70	2	8	5	5											
	23	9805	501		509	02	04	80	8	02	7	8	5	5						05	20	176	0000	501	508

Results of Surface Observations,
DAVIS – May, 1959

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	9803	501		510	08	01	80	8	02	2	8	5	5	5										
	05	9802	00		510	11	03	80	8	02	2	8	5	5	5										
	08	9793	03		505	09	04	80	8	70	7	8	6	4											
	11	9799	09		05	02	11	16		71	7														
	14	9815	10		07	36	14	16	8	70	7	8	6	4											
	17	9828	09		04	03	19	08	8	36	7	8	6	4											
	20	9835	12		05	03	16	80	0	01	3														
	23	9836	14		07	02	19	40	2	03	3	2	5	4						01	34	203	0000	14	00
02	02	9855	17		09	03	18	40	8	36	3	8	5	4											
	05	9869	16		09	05	05	80	8	02	2	8	5	4											
	08	9893	17		09	01	04	80	8	02	2	8	5	4	7										
	11	9908	16		06	05	07	82	8	01	2	8		9	7										
	14	9924	13		01	08	09	82	8	02	2	8		9	7										
	17	9940	09		501	09	14	80	8	03	2	4	5	5	7										
	20	9943	05		505	09	05	82	0	02	2														
	23	9934	03		507	01	05	82	1	03	0	1	5	5						03	33	408	0000	17	03
03	02	9933	03		507	04	08	83	1	00	1	1	5	5	5										
	05	9924	02		508	08	06	84	1	02	0	1	5	5											
	08	9914	02		508	09	12	84	1	02	0	1		7	4										
	11	9909	01		509	09	03	84	1	02	0	1		7	4										
	14	9910	02		508	10	04	84	1	02	0	1		7	4										
	17	9913	02		509	08	07	84	1	02	0	1		7	4										
	20	9916	00		511	08	10	84	0	02	0	0													
	23	9921	503		513	07	07	84	0	02	0	0								08	18	294	0000	05	503
04	02	9930	504		515	05	07	84	0	02	0														
	05	9932	502		513	07	08	84	0	02	0														
	08	9940	01		513	11	04	84	0	02	0														
	11	9940	01		511	07	09	84	0	02	0														
	14	9938	03		511	08	04	84	1	03	0	1		9		6									
	17	9934	01		512	08	06	84	1	02	0	1		9		6									
	20	9927	00		512	06	03	84	0	02	0														
	23	9849	00		514	07	03	84	0	02	0									05	14	078	0000	03	503
05	02	9849	00		514	04	03	84	8	03	0	8		9	1										
	05	9814	03		508	01	03	82	8	03	2	8		9	2										
	08	9755	05		505	03	07	82	8	03	2	5	6	4	2										
	11	9687	06		504	02	07	82	8	02	2	3	6	4	7										
	14	9661	05		502	01	16	40	8	36	3	8	6	4											
	17	9656	06		01	13	02	04		73	7														
	20	9653	07		05	14	04	40	1	71	7	1		7	1										
	23	9673	10		05	16	09	40	1	01	1	1		7	1					36	25	165	0000	12	00
06	02	9722	14		07	08	04	16	8	03	2	8		7	1										
	05	9753	09		02	07	09	40	3	03	1	3		9	7										
	08	9778	05		502	09	02	82	4	03	1	4		9	7										
	11	9798	01		507	08	04	84	2	01	1	3		9	7										
	14	9822	02		507	08	05	84	3	01	1	3		9	5										
	17	9832	00		510	07	05	84	3	02	1	3		9	5										
	20	9841	501		510	07	08	84	1	01	1	1		9	4										
	23	9851	02		509	09	08	84	1	02	0	1		9	7					09	13	254	0005	14	502
07	02	9856	05		507	08	01	84	2	03	1	2		9	7										
	05	9849	05		505	14	01	83	7	03	2	7		7	7										
	08	9854	11		503	05	02	40	8	03	2	5	6	4	2										
	11	9859	15		10	02	18	40	8	38	3	7	6	4	2										
	14	9849	16		11	02	31	24	8	37	3	7	6	4	2										
	17	9838	17		14	02	22	16	8	37	3	8	6	3											
	20	9820	16		12	02	43	02		37	3														
	23	9830	16		12	02	42	04		37	3									02	45	138	0000	17	02
08	02	9843	16		12	02	37	16		36	3														
	05	9836	16		10	02	37	16		36	3														
	08	9845	17		11	02	36	40	8	36	3	8	6	4											
	11	9835	17		12	15	03	80	7	01	7	6	5	4	4	7									
	14	9824	15		10	18	02	82	7	01	2	5	5	4	7										
	17	9817	15		12	11	02	82	7	02	2	6	5	4	7										
	20	9811	15		06	00	00	82	7	02	2	7	5	4											
	23	9813	13		06	09	01	82	8	02	2	8	5	4						04	45	726	0000	17	09
09	02	9788	13		08	07	01	82	8	01	2	4	5	4	7										
	05	9783	11		06	08	01	82	8	02	2	4	5	4	7										
	08	9783	09		04	07	03	80	7	01	2	5	6	4	7										
	11	9786	09		04	05	03	80	7	15	2	6	6	4	7										
	14	9791	09		04	01	07	16	8	71	7	8	6	4											
	17	9799	09		01	36	10	16	8	71	7	8	6	4											
	20	9801	07		501	35	14	40	8	36	3	8	6	4											
	23	9811	05		00	33	17	04		71	7									34	27	145	0000	13	02

Results of Surface Observations,
DAVIS – May, 1959

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	9830	504		509	29	04	24	8	02	7	8	6	4											
	05	9842	504		509	30	04	24	3	01	2	8	6	4											
	08	9862	505		509	35	05	83	3	01	2	1	2	4											
	11	9868	506		511	04	05	83	4	03	1	1	2	4											
	14	9890	503		510	00	00	83	6	03	1	6	5	6	4										
	17	9881	501		508	09	01	80	8	70	2	8	5	5											
	20	9872	03		503	36	12	81	8	70	7	8	5	5											
	23	9868	02		506	02	03	80	6	01	7	5	5	5						36	18	293	0000	04	507
11	02	9861	03		503	07	01	80	8	70	2	8	5	5											
	05	9854	05		503	10	01	08	8	70	7	8	5	5											
	08	9838	05		01	14	02	24	8	71	7	8	5	4											
	11	9827	05		01	16	04	40	8	71	7	8	5	4											
	14	9820	05		00	15	09	16	8	72	7	8	5	4											
	17	9826	05		02	16	03	24	8	70	7	8	5	4											
	20	9824	03		502	16	02	24	8	71	7	8	5	4											
	23	9829	501		508	20	05	24	8	70	7	8	5	4						16	13	160	0001	06	502
12	02	9842	504		511	22	11	24	8	70	7	8	5	4											
	05	9864	504		511	23	05	24	8	70	7	8	5	4											
	08	9852	504		511	00	00	24	8	71	7	8	6	3											
	11	9853	503		509	00	00	40	8	10	7	8	5	4											
	14	9857	504		511	05	01	82	4	01	2	4	5	5	7	6									
	17	9854	509		515	10	02	83	2	01	1	1	5	5	7										
	20	9848	508		517	14	01	84	1	01	1	1	5	5											
	23	9840	508		515	12	01	84	1	02	1	1	5	4						05	06	209	0003	502	509
13	02	9828	503		512	28	01	84	8	03	1	8		9	1										
	05	9819	00		507	21	01	84	8	02	2	8		9	1										
	08	9781	04		00	13	03	08		71	7														
	11	9737	08		04	05	14	40	8	36	3	8	6	4											
	14	9637	17		17	05	42	01		39	3														
	17	9583	19		18	05	39	01		39	3														
	20	9524	20		19	02	64	01		39	3														
	23	9549	18		15	02	54	01		39	3									04	82	060	0000	20	503
14	02	9572	17		14	03	52	01		39	3														
	05	9593	17		16	03	65	01		39	3														
	08	9611	15		13	03	45	01		39	3														
	11	9649	14		12	03	42	01		39	3														
	14	9696	13		09	03	34	01		39	3														
	17	9731	12		09	03	27	01		39	3														
	20	9778	12		10	04	20	05		39	3														
	23	9800	11		06	04	12	40	8	70	7	8		7	1					33	63	1102	0000	17	11
15	02	9815	09		03	03	28	08		37	7														
	05	9802	08		03	04	16	40	5	01	5	5		7	1										
	08	9776	13		08	04	07	08		71	7														
	11	9747	16		11	35	25	01		73	7														
	14	9744	17		11	01	30	01	8	36	3	8	5	4											
	17	9740	19		15	04	17	40	8	36	3	8	5	4											
	20	9742	18		13	04	02	08	8	73	7	8	5	4											
	23	9743	15		10	12	06	08	8	73	7	8	5	4						03	47	511	0018	19	08
16	02	9749	14		08	07	10	15	8	71	7	8	5	4											
	05	9767	03		504	26	12	16	8	71	7	8	5	4											
	08	9789	507		512	29	07	16	8	71	7	8	5	4											
	11	9806	512		516	31	01	80	3	10	2	3	5	5	8										
	14	9821	515		517	07	05	64	4	10	1	3	5	5	1										
	17	9827	510		513	03	08	40	7	03	1	5	5	5	2										
	20	9829	513		517	04	08	83	0	01	1	0													
	23	9819	513		517	04	06	84	0	02	1	0								22	15	290	0060	10	519
17	02	9805	511		516	00	00	84	0	02	0	0													
	05	9793	513		516	08	01	84	0	02	0	0													
	08	9783	505		511	07	03	84	6	03	2	3	5	5	3										
	11	9775	503		509	08	01	82	7	03	2	3	5	5	4										
	14	9776	02		502	18	03	08		71	7														
	17	9774	05		02	16	07	16	8	71	7	8	5	5											
	20	9777	07		04	14	03	40	8	71	7	8		7	1										
	23	9781	08		05	10	04	16	8	71	7	8		7	1					16	09	067	0000	07	520
18	02	9789	07		05	10	03	24	8	71	7	8		7	1										
	05	9795	07		01	10	04	24	8	22	7	8		7	1										
	08	9819	05		02	12	01	24	8	70	7	8		7	1										
	11	9824	04		502	12	02	40	7	01	7	7		7	1										
	14	9841	02		506	12	01	40	8	03	2	8		7	2										
	17	9857	03		506	12	04	40	8	02	2	8		7	2										
	20	9877	00		511	12	07	82	3	01	2	3		7	9										
	23	9895	07		502	12	04	40	8	03	1	8		8	1					09	11	036	0015	10	501

Results of Surface Observations,
DAVIS – May, 1959

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	9915	14		03	11	02	40	8	02	2	8		7	1										
	05	9927	13		04	07	07	40	8	02	2	8		7	1										
	08	9942	10		02	05	17	40	8	36	3	7	5	5	7										
	11	9942	09		03	07	24	24	8	36	3	7	5	5	7										
	14	9954	11		01	06	17	40	8	36	3	7	5	5	7										
	17	9958	09		03	09	14	40	8	36	3	7	5	5	7										
	20	9958	06		01	10	15	80	8	01	3	4	5	5	7					07	37	116	0000	14	04
	23	9950	04		505	09	16	82	2	01	3	2		9	3										
20	02	9920	04		504	09	17	84	1	36	3	1		9	3										
	05	9905	06		502	09	18	84	0	36	3	0													
	08	9885	10		00	09	15	84	6	01	3	3	5	5	7										
	11	9847	15		09	07	23	82	7	36	3	7	6	4	5										
	14	9833	19		17	07	14	80	7	36	3	4	6	5	7										
	17	9823	22		19	02	05	80	8	03	3	3	6	5	7										
	20	9796	19		15	02	31	06	5	36	3	5		7	7					04	54	311	0002	22	03
	23	9812	19		16	04	28	06	2	36	3	2		7	7										
21	02	9832	20		15	04	26	80	4	36	3	4		7	7										
	05	9844	20		15	05	26	02		39	3														
	08	9884	20		15	05	21	16	6	36	3	6		6	7										
	11	9906	19		13	05	34	16	6	36	3	2	5	5	4	4									
	14	9915	19		13	05	36	16	5	36	3	1	5	5	4										
	17	9950	18		10	05	23	40	3	36	3	1	5	5	1										
	20	9968	15		06	05	17	82	5	03	3	2	5	5	4					04	52	567	0000	21	15
	23	9998	18		04	06	10	82	7	02	2	2	5	5		8									
22	02	10008	15		01	05	14	82	5	01	2	2	5	5		6									
	05	10009	13		00	06	07	82	5	02	2	2	5	5		6									
	08	9987	15		01	08	04	82	7	03	1	4	5	5	9										
	11	9957	21		09	12	03	40	8	70	2	8		6	7	2									
	14	9916	27		16	09	16	40	8	02	7	8		5	2										
	17	9907	30		21	06	31	40	8	02	2	8		5	2										
	20	9893	32		23	07	52	40		37	3									07	87	516	0000	32	11
	23	9894	31		24	07	50	40		36	3														
23	02	9924	31		22	07	40	80	5	01	3	5		7	7										
	05	9945	27		18	08	38	40	6	03	2	2	5	5	7										
	08	9981	25		17	08	28	40	5	01	2	3	5	5	9										
	11	10005	25		15	07	16	82	7	03	2	1	5	5	7										
	14	10007	24		15	09	17	82	8	14	2	1	5	5	7										
	17	10017	20		04	10	17	82	5	01	2	1	5	5	7	2									
	20	10024	18		02	14	05	82	4	01	1	1	5	5	7										
	23	10019	17		10	14	02	84	2	01	1	2			4					08	61	857	0000	31	15
24	02	10006	15		504	12	06	84	1	01	1	1			4										
	05	9989	13		503	09	09	84	0	02	0														
	08	9951	12		501	09	08	84	0	02	0														
	11	9924	11		502	10	15	84	0	02	0														
	14	9906	12		503	11	07	84	0	02	0														
	17	9887	11		504	13	02	84	0	02	0														
	20	9870	11		504	09	01	84	0	02	0														
	23	9860	07		506	11	05	84	0	02	0									08	28	220	0000	18	05
25	02	9855	08		506	05	01	84	0	02	0														
	05	9850	06		509	06	01	84	0	02	0														
	08	9855	03		511	05	01	84	0	02	0														
	11	9868	02		512	11	01	84	1	03	1	1	5	6											
	14	9873	01		512	09	06	82	1	05	1	1	5	6											
	17	9890	00		514	14	02	84	2	03	1	2	5	6											
	20	9901	01		512	13	01	84	7	03	2	5	5	5	4	7				05	16	100	0000	08	502
	23	9918	04		508	00	00	83	8	03	2	3	5	5	7										
26	02	9926	05		507	14	03	82	8	02	2	8	5	5											
	05	9941	06		00	14	02	82	8	02	2	8	5	5											
	08	9964	09		504	08	10	82	7	01	2	7	5	5											
	11	9979	07		503	07	09	83	6	01	2	3	5	5	4										
	14	9993	09		503	08	07	83	7	03	2	5	5	5	4										
	17	10012	10		503	08	05	83	8	03	2	8	5	5	1										
	20	10027	10		502	07	14	83	8	01	2	4	5	5	1										
	23	10043	07		506	11	06	82	2	01	2	1	5	5	1					07	24	116	0000	10	08
27	02	10067	07		506	10	05	83	7	03	1	7		7	7										
	05	10069	05		508	13	04	84	0	02	1														
	08	10072	03		509	15	04	84	0	02	0														
	11	10053	05		507	14	05	84	1	03	0	1	5	5		8									
	14	10017	05		508	14	08	84	0	01	0														
	17	9989	08		506	13	10	84	0	02	0														
	20	9954	09		505	13	07	84	0	02	0														
	23	9930	10		503	13	09	84	0	02	0									13	26	195	0000	12	03

Results of Surface Observations,
DAVIS – May, 1959

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
28	02	9916	10		502	11	09	84	0	02	0	1	5	5											
	05	9905	13		503	13	08	84	1	03	1	1		7	4										
	08	9895	11		503	06	03	84	1	01	1	1	5	5	4										
	11	9899	09		503	10	08	84	2	03	1	1	5	5	4										
	14	9913	09		503	15	05	84	5	03	1	3	5	5	7										
	17	9929	15		03	15	03	83	7	70	2	7	5	5											
	20	9936	16		02	14	17	83	8	02	2	8	5	5											
	23	9942	18		06	10	10	83	8	70	2	8	5	8						13	32	239	0000	18	09
29	02	9941	21		07	13	20	83	8	02	2	8	5	5											
	05	9951	21		08	12	20	83	8	02	2	8	5	5											
	08	9966	21		07	10	32	84	7	01	2	7	5	5											
	11	9976	21		07	10	25	84	6	01	2	6	5	5	4										
	14	9982	19		05	10	21	84	6	01	2	3	5	5	4										
	17	9985	19		06	10	24	82	7	03	2	6	5	5	4										
	20	9990	19		05	10	29	82	8	02	2	8	5	5											
	23	9995	19		04	10	21	82	8	02	2	8	5	5						10	48	266	0000	22	18
30	02	10007	18		03	11	16	81	8	01	1	3	5	5	1										
	05	10017	17		02	10	21	81	7	03	1	6	5	5	7										
	08	10026	15		00	12	07	82	7	02	2	6	5	5	7										
	11	10022	13		501	13	08	83	7	01	2	1	5	5	7										
	14	10028	13		501	13	07	83	8	02	2	1	5	5	7										
	17	10022	12		502	13	12	83	8	02	2	1	5	5	7										
	20	10011	12		501	14	06	84	8	01	2	8		9	1										
	23	10010	12		00	14	03	83	8	02	2	8		9	1					09	39	523	0000	19	11
31	02	10003	15		03	07	08	82		70	2														
	05	10003	15		05	06	07	80		70	7														
	08	10007	15		07	07	03	40	8	71	7	7	5	5	7										
	11	10013	12		10	15	03	64	8	71	7	7	5	5	7										
	14	10013	08		00	13	04	80	9	22	7	2	5	5	7										
	17	10018	05		505	14	05	82	1	01	1	1	5	5	7										
	20	10016	02		508	13	07	84	0	01	1	0													
	23	10016	501		510	13	05	84	0	02	0	0								10	20	225	0000	15	501

Results of Surface Observations,
DAVIS – Jun., 1959

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	10016	502		512	13	07	84	0	02	2	0													
	05	10012	503		514	15	06	84	0	02	2	0													
	08	10011	505		513	13	04	84	1	03	2	1	1	5											
	11	10013	505		515	11	07	84	1	02	2	1	1	5											
	14	10015	507		518	12	07	84	1	02	2	1	1	5											
	17	10019	508		518	13	06	84	1	02	1	1	1	5											
	20	10021	510		519	15	06	84	0	01	2	0													
	23	10022	511		520	15	05	84	0	02	2	0								13	16	182	0000	00	511
02	02	10024	511		520	15	02	84	0	02	2	0													
	05	10026	509		519	15	05	84	1	03	1	1	5	5											
	08	10020	505		514	14	05	84	8	03	1	1	5	5	1										
	11	10024	501		509	15	04	83	8	03	2	8		7	7										
	14	10028	03		505	12	05	83	8	03	2	8	5	5	7										
	17	10028	03		505	12	05	83	8	02	2	8	5	5											
	20	10033	02		506	13	05	84	1	02	1	1	5	5											
	23	10023	502		511	15	06	84	1	02	1	1	5	5						13	10	150	0000	04	512
03	02	10012	502		511	14	06	84	1	02	1	1	5	5											
	05	10002	501		510	18	01	84	1	02	1	1	5	5											
	08	9973	00		505	18	02	84	1	02	1	1	5	5											
	11	9959	05		507	12	05	84	2	03	1	1	5	5	4										
	14	9950	06		504	11	03	84	3	03	1	1	5	5	4	5									
	17	9947	06		501	13	05	84	1	01	1	2	5	5											
	20	9940	10		02	12	03	82	8	70	7	8		7	1										
	23	9916	16		05	20	03	82	8	02	7	8		7	1					17	10	147	0000	17	503
04	02	9901	16		05	13	03	82	8	71	7	8		7	1										
	05	9925	19		18	06	10	82	8	36	7	8		7	1										
	08	9981	20		19	09	06	16		73	7														
	11	10011	23		21	06	27	24	8	39	7	2	5	5	7										
	14	10040	24		18	06	10	40	8	03	3	4	5	5	7										
	17	10057	23		20	09	19	40	8	02	2	1	5	5	7										
	20	10078	23		18	10	07	64	8	03	2	8	5	5											
	23	10083	21		07	11	06	40	8	02	2	8	5	5						06	44	205	0000	23	13
05	02	10081	20		04	13	10	80	5	01	2	2	5	5	7										
	05	10081	15		00	14	04	82	3	01	1	3		7	7										
	08	10074	14		502	12	07	83	3	02	1	3		7	8										
	11	10070	12		505	12	05	83	3	02	1	3		7	9										
	14	10062	12		505	10	09	83	6	03	1	6		7	7										
	17	10055	12		505	10	07	83	7	03	1	7		7	7										
	20	10054	15		504	10	02	84	0	01	1	0													
	23	10052	10		505	14	07	84	1	03	1	1	5	5						05	39	532	0000	21	10
06	02	10064	10		505	11	07	84	0	01	1	0													
	05	10083	08		507	10	07	84	0	02	2	0													
	08	10108	05		510	11	04	84	1	02	2	1		8	7										
	11	10129	01		513	13	04	84	3	03	2	2		8	7	9									
	14	10143	01		513	10	03	84	3	00	1	3		8	7										
	17	10148	501		514	14	05	84	1	01	1	1		8	7										
	20	10151	502		515	12	04	84	0	02	1	0													
	23	10141	503		517	16	06	84	0	02	2	0								17	14	111	0000	15	504
07	02	10126	501		513	18	02	84	0	02	2	0													
	05	10115	505		514	13	02	84	0	02	2	0													
	08	10093	502		516	13	10	84	0	02	2	0													
	11	10080	502		518	14	21	84	0	02	2	0													
	14	10081	00		517	14	23	84	0	02	2	0													
	17	10060	01		517	13	26	84	0	02	2	0													
	20	10035	502		521	14	19	84	0	02	2	0													
	23	10012	503		521	14	22	84	0	02	2	0								13	41	154	0000	09	505
08	02	9996	503		520	13	09	84	0	02	2	0													
	05	9972	01		517	12	16	84	0	02	2	0													
	08	9954	500		515	15	10	84	0	02	2	0													
	11	9927	501		515	15	04	84	0	02	2	0													
	14	9912	503		518	13	10	84	0	02	2	0													
	17	9902	505		519	13	12	84	0	02	2	0													
	20	9896	504		519	13	12	84	0	02	2	0													
	23	9913	503		517	13	10	84	0	02	2	0								13	35	400	0000	01	505
09	02	9929	502		516	14	10	84	0	02	2	0													
	05	9928	503		516	13	07	84	0	02	2	0													
	08	9925	501		515	13	17	84	0	02	2	0													
	11	9914	502		515	13	12	84	0	02	2	0													
	14	9920	501		515	14	10	84	0	02	2	0													
	17	9912	501		515	14	05	84	0	02	2	0													
	20	9907	501		514	13	08	84	0	02	2	0													
	23	9895	01		513	13	05	84	0	02	2	0								14	29	336	0000	03	503

Results of Surface Observations,
DAVIS — Jun., 1959

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	9887	01		513	13	10	84	0	02	3														
	05	9885	02		513	12	07	84	0	02	3														
	08	9886	501		515	13	06	84	0	02	3														
	11	9888	501		513	14	08	84	0	02	3														
	14	9895	00		515	14	04	84	0	02	3														
	17	9904	03		513	12	03	84	0	02	3														
	20	9921	01		514	15	03	84	0	02	3														
	23	9935	07		511	10	08	84	0	02	3									10	20	243	0000	09	502
11	02	9934	07		511	08	16	84	0	02	3														
	05	9943	06		511	09	07	84	0	02	3														
	08	9950	04		513	13	01	84	1	03	3	1	5	5											
	11	9998	02		514	13	03	84	1	03	1	1	5	5											
	14	9940	00		515	16	06	84	2	03	1	2		9	4										
	17	9921	01		514	13	08	84	3	03	1	3		9	4										
	20	9886	00		516	14	06	84	3	02	1	3		9	4										
	23	9860	00		515	14	07	84	3	02	1	3		9	4					08	25	168	0000	08	00
12	02	9816	03		512	13	03	84	3	02	1	3		9	4										
	05	9784	01		509	00	00	84	3	02	1	3		9	4										
	08	9759	07		503	17	03	84	1	02	0	1	5	5											
	11	9763	01		503	18	03	84	1	02	0	1	5	5											
	14	9789	00		503	24	03	84	1	02	0	1	5	5											
	17	9821	503		507	27	02	84	4	01	1	2	5	5	1										
	20	9874	505		509	28	05	83	8	03	2	3	5	5	1										
	23	9927	510		513	00	00	84	3	01	2	2	5	5	1					14	12	195	0000	07	510
13	02	9977	510		513	03	06	84	1	01	1	1		7	1										
	05	10001	509		514	04	05	84	1	02	1	1		7	1										
	08	10046	508		513	05	01	84	6	03	1	6		7	2										
	11	10059	503		512	04	01	80	8	70	2	8		7	7										
	14	10078	501		506	09	01	80	8	70	7	8		7	7										
	17	10090	01		505	18	03	80	8	02	7	8		7	7										
	20	10112	06		502	16	01	40	8	71	2	8		7	2										
	23	10121	09		06	17	03	40	8	71	2	8		7	2					50	09	160	0000	10	510
14	02	10137	09		04	15	05	40	8	71	7	8		7	2										
	05	10148	05		01	09	01	40	8	71	7	8		7	2										
	08	10157	07		03	00	00	80	8	15	7	8		7	2										
	11	10167	08		05	00	00	40	8	70	7	8		6	5										
	14	10160	07		03	11	01	40	6	01	7	1	5	5	7										
	17	10169	07		01	11	03	80	6	01	2	6		7	7										
	20	10178	05		503	11	02	80	4	01	1	4		7	7										
	23	10182	05		505	11	06	80	1	01	1	1		7	7					14	10	104	0004	10	03
15	02	10186	08		502	12	05	80	2	02	1	2		7	7										
	05	10184	12		505	13	02	80	4	03	1	4		7	7										
	08	10180	10		504	06	05	80	7	03	2	7		7	7										
	11	10178	11		505	08	03	80	8	03	2	8		7	7										
	14	10165	10		00	09	05	80	8	02	2	8		7	7										
	17	10156	08		501	07	05	80	8	02	2	8		7	7										
	20	10141	09		503	10	01	80	8	02	2	8		7	7										
	23	10128	07		505	00	00	80	5	01	2	5		7	7					07	13	134	0002	12	05
16	02	10114	06		503	15	01	80	5	01	1	5		7	1										
	05	10105	05		504	13	01	84	3	01	1	3		7	1										
	08	10101	06		506	14	04	84	2	01	1	2		7	7										
	11	10100	05		507	00	00	83	7	03	2	2		7	7	5									
	14	10100	07		506	08	02	83	5	01	1	2		7	7	5									
	17	10104	05		509	12	03	83	3	01	1	1		7	7	8									
	20	10105	08		508	12	02	83	3	02	1	1		7	7	8									
	23	10101	02		511	14	01	83	2	01	1	2		7	1					14	07	114	0000	09	503
17	02	10098	03		511	06	01	84	2	02	1	2		7	1										
	05	10089	03		512	14	03	84	2	02	1	2		7	1										
	08	10091	03		508	14	07	84	2	02	1	2		7	1										
	11	10092	00		515	12	03	84	3	02	1	3		7	1										
	14	10095	501		516	14	04	84	2	02	1	2		9	4										
	17	10100	502		518	14	05	84	2	02	1	2		9	4										
	20	10088	01		517	14	04	84	0	02	3														
	23	10078	01		516	11	06	84	0	02	3									15	15	078	0000	03	502
18	02	10066	01		516	14	06	84	2	03	1	2		8	1										
	05	10054	01		517	11	05	84	3	03	1	3		8	7										
	08	10030	00		518	13	03	84	1	01	1	1		8	7										
	11	10009	501		519	07	03	84	2	03	1	2		8	7										
	14	9989	505		520	12	05	84	5	03	1	5		7	7										
	17	9964	01		518	10	01	83	2	01	1	2		7	7										
	20	9933	503		519	17	01	84	2	02	1	2		7	7	6									
	23	9920	503		520	16	01	84	2	01	1	2		8	4					13	10	136	0000	03	510

Results of Surface Observations,
DAVIS — Jun., 1959

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	9904	505		521	10	08	84	2	02	1	2		8	4										
	05	9894	506		521	18	01	84	3	02	1	2		8	4	2									
	08	9888	506		520	14	07	84	2	01	1	2		8	4										
	11	9880	505		520	14	05	84	3	03	1	3		8	4										
	14	9866	507		521	17	07	84	2	01	1	2		8	4										
	17	9854	507		521	04	02	84	1	01	1	1		8	4										
	20	9845	507		520	16	04	84	0	01	1	0													
	23	9828	505		520	14	07	84	0	02	0	0								17	15	101	0000	503	511
20	02	9814	504		519	13	07	84	0	02	0	0													
	05	9809	506		520	15	09	89	0	02	0	0													
	08	9805	505		520	17	06	84	1	03	0			8	7										
	11	9801	505		520	16	06	84	1	02	0			8	7										
	14	9800	505		520	13	10	84	1	03	0			8	4	4									
	17	9801	504		519	15	05	84	1	03	1	1		8	4										
	20	9790	01		512	16	03	83	8	03	2	8		8	3										
	23	9786	04		509	16	05	82	8	02	2	8		8	3					14	17	177	0000	04	507
21	02	9781	05		510	13	10	82	8	02	2	1	6	5	7										
	05	9776	08		503	12	04	82	8	70	2	8		7	2										
	08	9774	10		502	09	04	40	8	70	7	8		7	2										
	11	9776	10		00	09	07	24	8	16	7	8		7	2										
	14	9780	12		03	07	11	24	8	70	7	8		7	2										
	17	9780	12		01	09	05	40	7	02	7	7		7	2										
	20	9785	14		04	06	15	80	7	36	3	1	5	5	2										
	23	9790	15		06	06	21	80	7	30	3	2	5	5	7					07	37	230	0000	15	03
22	02	9785	15		09	07	35	40	7	36	3	3	5	5	7										
	05	9794	15		10	07	44	40	7	37	3	5	5	5	7										
	08	9813	15		10	07	40	40	7	36	3	5	5	5	7										
	11	9828	15		10	07	38	80	6	36	3	3	6	5	7										
	14	9844	15		10	09	20	80	6	36	3	2	8	5	7										
	17	9836	15		10	08	30	80	6	36	3	2	8	5	7										
	20	9844	15		09	07	16	80	8	03	2	3	8	5	7										
	23	9851	15		06	08	13	80	8	02	2	8		5	7					06	58	546	0001	16	14
23	02	9855	15		502	09	16	80	8	02	2	8		5	7										
	05	9852	15		501	16	01	80	8	02	2	8		5	7										
	08	9851	13		503	09	03	40	8	03	2	7		5	7										
	11	9843	10		506	17	01	80	6	01	2	6		5	7										
	14	9855	09		510	06	02	80	2	01	2	2		8	4										
	17	9823	03		513	13	05	80	1	01	1	1		8	4										
	20	9802	03		513	11	01	82	0	02	0														
	23	9785	04		513	14	01	84	0	02	0									08	29	557	0000	15	01
24	02	9769	504		517	09	07	84	1	03	0	1		9	4										
	05	9755	504		519	12	07	84	2	03	1	2		9	4										
	08	9750	502		518	10	08	84	1	01	1	1		9	4										
	11	9744	506		520	13	07	84	2	03	1	1		9	4	1									
	14	9742	508		522	13	04	84	2	02	1	2		8	7										
	17	9745	510		523	13	04	84	2	02	1	2		8	7										
	20	9743	510		523	13	03	84	1	01	1	1		8	7										
	23	9726	511		524	13	06	84	1	02	1	1		8	7					09	16	103	0000	501	513
25	02	9722	511		524	07	08	84	0	01	1	0													
	05	9727	510		523	12	05	84	0	02	0	0													
	08	9724	510		522	12	03	84	3	03	0	3		9	7										
	11	9728	511		522	00	00	84	5	03	1	5		9	5										
	14	9738	507		520	15	01	84	5	02	1	5		9	9										
	17	9749	506		517	17	03	84	5	02	1	5		9	9										
	20	9755	506		516	18	03	84	3	01	1	3		9	4										
	23	9765	506		513	18	03	82	6	03	1	5		9	4					07	21	174	0000	505	514
26	02	9773	504		508	18	02	82	8	02	2	8		8	1										
	05	9781	506		510	18	01	84	5	01	2	5		8	7										
	08	9791	504		507	19	01	83	7	03	2	3	5	5	7										
	11	9795	502		505	18	02	82	7	70	7	4	5	5	7										
	14	9807	501		504	06	04	83	7	15	2	6	5	5	7										
	17	9817	01		502	00	00	82	7	70	2	7	5	5											
	20	9824	10		00	10	01	82	8	03	2	8	5	5											
	23	9845	02		501	05	03	40	8	70	7	8	5	5						06	09	116	0000	10	506
27	02	9865	01		501	06	03	24	8	71	7	8	5	5											
	05	9899	00		503	05	14	16		72	7	7													
	08	9923	505		508	04	19	40	7	01	7	7	5	5											
	11	9959	512		517	05	17	82	5	01	2	3	5	5	4	2									
	14	9973	513		517	05	12	82	4	01	1	3	5	5	4										
	17	9974	515		520	05	03	82	1	01	1	1		8	4										
	20	9965	513		517	06	01	82	0	01	0	0													
	23	9949	512		516	15	03	82	0	02	0	0								05	34	813	0003	02	515

Results of Surface Observations,
DAVIS – Jun., 1959

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	9936	516		520	06	01	82	0	02	0														
	05	9924	516		520	10	01	84	0	02	0														
	08	9909	516		519	07	03	84	1	02	0	1		8	4										
	11	9892	511		514	15	01	83	7	03	1	7	5	4											
	14	9858	501		508	16	01	82	8	03	2	8	5	4											
	17	9835	04		503	13	04	82	8	02	2	8	5	4											
	20	9816	08		04	06	10	80	8	02	2	8	5	4											
	23	9798	09		06	07	08	40		70	7									04	17	187	0000	09	517
29	02	9785	09		06	04	15	40		02	2														
	05	9788	07		04	05	03	40		70	7														
	08	9791	05		03	05	03	80	8	02	7	8		8	3										
	11	9796	00		502	08	04	80	5	01	2	5	5	5	7										
	14	9799	00		502	10	01	80	5	02	1	5	5	5	7										
	17	9798	01		502	12	01	80	5	02	1	5	5	5	7										
	20	9799	00		507	12	03	80	5	01	1	5		9	1										
	23	9797	504		512	09	01	92	0	02	0	0								04	24	212	0000	09	505
30	02	9801	505		515	13	02	82	0	02	0	0													
	05	9807	507		517	00	00	82	0	02	0														
	08	9809	508		518	00	00	83	1	03	0	1		7	4										
	11	9812	507		516	16	01	83	2	03	0	1	5	5	4										
	14	9808	501		510	18	04	82	7	03	1	6	5	5	7										
	17	9801	00		509	18	01	80	8	03	2	8	5	5											
	20	9790	05		502	12	04	80	8	02	2	8	5	5											
	23	9780	05		503	13	03	80	8	02	2	8	5	4						11	09	093	0000	06	510

Results of Surface Observations,
DAVIS – Jul., 1959

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	9772	05		503	13	05	80	8	03	2	7	5	4	1										
	05	9768	05		505	14	04	81	8	02	2	8	5	4	1										
	08	9766	08		502	12	03	82	8	02	2	8	5	5											
	11	9763	08		502	09	01	82	8	02	2	8	5	5											
	14	9765	08		501	00	00	82	8	02	2	7	5	4	7										
	17	9782	07		503	09	01	82	8	02	2	8	5	4											
	20	9775	08		502	00	00	82	8	02	2	8	5	4											
	23	9777	08		501	13	04	82	8	02	2	8	5	4						16	05	158	0000	09	05
02	02	9785	09		501	08	01	82	8	02	2	8	5	4											
	05	9790	07		503	09	01	82	8	02	2	8	5	5											
	08	9792	09		501	09	01	82	8	02	2	8	5	5											
	11	9798	09		01	09	02	81	8	03	2	4	5	5	7										
	14	9802	10		01	07	03	80	8	03	2	8	5	4											
	17	9809	08		00	09	02	80	8	01	2	5	5	4	1										
	20	9813	06		502	08	01	80	8	02	1	5	5	4	1										
	23	9821	05		501	09	01	80	6	01	1	4	5	4	1					13	09	062	0000	11	05
03	02	9824	06		01	09	01	80	6	70	1	4	5	4	1										
	05	9831	03		00	07	03	80	4	70	7	2	5	4	1										
	08	9837	03		00	08	05	80	4	01	7	1	5	5	7										
	11	9841	02		501	13	01	80	5	02	2	2	5	5	7										
	14	9847	01		504	13	05	80	7	03	2	3	5	5	7										
	17	9853	00		506	11	04	80	7	02	1	3	5	5	7										
	20	9860	501		508	11	03	80	5	01	2	2	5	5	7										
	23	9866	503		511	00	00	82	0	01	1	0								14	09	083	0001	07	503
04	02	9870	505		513	11	07	82	0	02	0	0													
	05	9874	506		514	12	05	82	0	02	0	0													
	08	9881	509		515	12	05	82	1	03	0	1		9		1									
	11	9886	508		516	12	05	82	3	03	1	1	5	5	5	1									
	14	9886	509		517	11	05	82	2	01	1	1	5	5	5	1									
	17	9896	509		518	12	06	82	2	02	1	1	5	5	9	1									
	20	9894	510		519	11	04	82	0	01	1	0													
	23	9896	509		519	12	01	82	0	02	0	0								13	11	130	0000	502	511
05	02	9894	509		519	11	06	82	0	02	0	0													
	05	9891	508		517	11	04	82	0	02	0	0													
	08	9888	512		519	06	05	82	3	03	1	3	5	5											
	11	9877	510		517	13	01	82	5	03	1	5		8	5										
	14	9855	511		521	13	03	82	6	03	1	2	5	5	5	2									
	17	9843	512		523	13	01	82	2	01	1	2	5	5	5										
	20	9827	508		520	10	02	82	1	01	1	1	5	5	5										
	23	9780	505		516	17	02	80	4	03	1	1	5	5	7					11	10	146	0000	01	519
06	02	9750	507		517	17	03	82	3	01	1	1	5	5	7										
	05	9713	501		512	18	06	82	5	03	1	2	5	5	7										
	08	9665	07		02	08	17	80	8	70	7	8			7										
	11	9631	12		00	11	09	80	7	15	7	5	5	5	2										
	14	9587	13		01	15	07	80	7	15	7	7		5	2										
	17	9569	12		04	15	01	80	8	02	7	8		5	2										
	20	9553	14		13	13	04	16	8	73	7	8		5	2										
	23	9549	18		17	09	04	16	8	73	7	8		5	2					05	19	119	0000	19	510
07	02	9544	20		19	04	06	16	8	73	7	8		5	2										
	05	9578	17		16	01	05	16	8	73	7	8		5	2										
	08	9631	05		03	36	01	16	8	73	7	8	6	4											
	11	9689	00		502	01	08	08	8	72	7	8	6	4											
	14	9759	504		508	04	06	80	7	01	7	7	6	5	7										
	17	9821	505		509	03	13	80	7	01	2	7		7	7										
	20	9894	506		510	05	15	82	1	01	1	1		7	7										
	23	9938	00		505	05	09	82	8	36	3	8		7	2					05	41	189	0023	20	507
08	02	9958	03		503	12	03	82	8	02	2	8		7	2										
	05	9964	07		02	05	12	82	8	02	2	8		7	2										
	08	9974	08		01	06	03	82	7	01	2	7		7	7										
	11	9977	07		00	17	01	82	6	01	1	6		7	7										
	14	9965	08		00	13	05	82	6	02	1	6		7	7										
	17	9942	13		02	16	04	82	6	02	1	6		7	7										
	20	9913	12		01	12	06	82	5	01	1	5		7	7										
	23	9880	16		02	10	04	82	2	01	1	2		7	7					05	18	277	0002	17	01
09	02	9852	18		06	07	11	81	8	03	1	8		7	2										
	05	9837	20		07	09	15	81	7	03	1	7		7	2										
	08	9822	20		08	06	10	82	7	03	2	7	5	6											
	11	9810	17		05	08	16	82	3	36	3	2	5	5	4										
	14	9800	15		05	06	19	80	3	36	3	1	5	5	4	1									
	17	9795	15		06	08	20	80	1	36	3	1	5	5											
	20	9800	18		10	07	19	80	1	36	3	1	5	5											
	23	9801	19		09	09	14	80	2	36	3	1	5	5	7					08	35	201	0000	20	23

Results of Surface Observations,
DAVIS – Jul., 1959

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	9819	16		04	10	12	82	2	36	3		1	5	5	7										
	05	9789	13		04	10	30	40	7	36	3		3	5	5	7										
	08	9787	11		02	12	19	24	7	36	3		3		7	7										
	11	9760	09		04	10	30	01	4	38	3		3		7	4	8									
	14	9747	14		06	11	24	24	8	38	3		3		6	7										
	17	9728	16		12	11	31	01		39	3															
	20	9724	18		16	12	19	16		38	3															
	23	9713	20		17	09	23	16		38	3										10	44	410	0000	21	09
11	02	9687	17		14	09	36	16		38	3															
	05	9701	17		14	07	30	16		39	3															
	08	9730	18		15	07	28	40	7	38	3		5	5	5	7										
	11	9739	19		15	08	19	80	7	36	3		1	5	5	7										
	14	9739	18		15	08	22	80	4	36	3		1	5	5	9	2									
	17	9753	18		14	09	17	80	5	03	3		1	5	5	7										
	20	9762	18		14	07	05	80	7	03	2		1	5	5	7										
	23	9766	16		05	12	02	82	8	02	2		8	5	5						08	50	586	0000	19	16
12	02	9768	16		01	10	06	82	8	02	2		8	5	5											
	05	9768	17		02	08	10	82		02	2		8	5	5											
	08	9782	17		02	09	08	82	7	01	2		7	5	5											
	11	9786	13		503	11	09	82	4	01	1		2	5	5	7										
	14	9793	12		504	12	10	82	6	03	1		6		8	5										
	17	9798	13		503	12	06	82	6	01	1		6		8	7										
	20	9810	15		01	09	09	83	3	01	1		3		8	1										
	23	9824	18		00	09	16	81	8	03	1		8		8	1					08	25	330	0000	18	10
13	02	9842	15		504	09	14	82	2	01	1		2		8	1										
	05	9856	14		504	10	08	82	9	03	1		8		8	1										
	08	9872	14		504	08	15	82	4	03	1		4		8	7										
	11	9889	15		503	09	11	82	7	03	1		7		8	7										
	14	9903	15		502	09	14	82	7	02	2		7		8	7										
	17	9919	15		00	11	04	82	7	02	2		7		8	7										
	20	9936	15		502	11	06	82	8	03	2		8		8	2										
	23	9953	10		506	14	02	82	5	01	2		5		8	7					09	29	248	0000	18	10
14	02	9962	13		507	10	07	82	2	01	2		2		8	7										
	05	9966	08		510	14	02	82	3	03	1		3		8	7										
	08	9979	07		511	15	07	83	2	03	1		2		8	7										
	11	9988	05		513	13	03	84	7	03	1		1		8	7	4									
	14	9995	07		513	14	03	84	5	02	1		1		8	7	4									
	17	10000	03		515	11	07	84	2	01	1		1		8	7	4									
	20	9990	03		515	12	05	84	2	01	1		0		9		8									
	23	9989	03		514	12	09	84	0	01	0		0								12	16	214	0000	13	02
15	02	9984	02		516	10	08	84	0	02	0		0													
	05	9972	01		517	11	09	84	0	02	0		0													
	08	9962	01		517	12	05	84	0	02	0		0													
	11	9944	501		517	10	09	84	4	03	0		1		7	4	2									
	14	9927	501		519	12	04	84	5	03	1		1		7	7	5									
	17	9918	501		518	09	08	84	4	01	1		1		7	7	5									
	20	9912	501		516	07	08	83	5	03	1		2		7	1	5									
	23	9908	502		515	08	08	83	7	02	1		1		7	4	8				07	16	132	0000	02	503
16	02	9901	501		515	07	07	83	7	02	2		1		7	4	8									
	05	9896	505		518	06	08	83	3	01	1		3		7	4										
	08	9889	505		519	07	09	83	3	02	1		3		7	4										
	11	9883	504		520	06	08	83	3	02	1		3		7	4	1									
	14	9873	506		522	05	01	83	3	02	1		3		7	4	1									
	17	9873	507		521	11	01	83	1	01	1		1		7	4										
	20	9865	512		524	10	05	84	0	02	0		0													
	23	9860	513		529	11	08	84	0	02	0		0								09	17	218	0000	501	514
17	02	9861	516		531	12	07	84	0	02	0		0													
	05	9860	516		530	14	07	84	1	02	0		0													
	08	9860	517		530	11	07	84	1	02	0		0		8	4										
	11	9852	517		530	13	04	84	1	02	0		0		8	4										
	14	9848	517		529	13	04	84	1	02	0		0		5	5										
	17	9839	519		531	14	01	84	0	02	0		0													
	20	9827	521		532	14	02	84	0	02	0		0													
	23	9824	517		531	00	00	84	0	02	0		0								14	12	082	0000	514	523
18	02	9828	517		532	12	08	84	0	02	0		0													
	05	9834	519		532	08	08	84	0	02	0		0													
	08	9847	520		532	10	07	84	1	02	0		0		8	4										
	11	9862	519		530	09	04	84	3	03	1		1		8	7										
	14	9877	517		528	08	05	83	7	03	1		3		8	7										
	17	9883	515		527	09	03	82	7	02	2		7		8	7										
	20	9887	514		525	11	03	81	8	02	2		8		8	7										
	23	9893	512		525	12	03	80	8	02	2		8		8	2					08	12	133	0000	512	522

Results of Surface Observations,
DAVIS – Jul., 1959

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	9903	510		518	08	05	80	8	70	2	8		8	2										
	05	9918	510		517	07	03	80	8	70	7	8		8	2										
	08	9928	510		514	10	06	40	8	71	7	8		5											
	11	9926	511		516	11	02	24	8	71	7	8		6											
	14	9911	506		510	14	04	40	8	70	7	1		7	1										
	17	9891	500		505	08	04	80	4	15	7	1		6	7										
	20	9868	01		505	06	16	02		38	3														
	23	9851	02		503	09	10	80	8	02	3	8		7	7					07	26	196	0000	01	511
20	02	9839	03		503	09	19	16	3	38	3	3		5											
	05	9851	05		00	09	23	16	6	38	3	6		5											
	08	9860	09		502	09	14	16	8	03	3	8		5	2										
	11	9870	06		505	06	08	40	7	01	2	7			2										
	14	9897	05		506	12	05	80	7	02	2	7			2										
	17	9924	04		508	12	06	40	8	71	2	8			2										
	20	9949	04		509	12	08	40	8	03	2	8		5											
	23	9965	01		510	15	04	40	8	02	2	8		5						09	35	372	0010	09	01
21	02	9975	503		513	12	06	16	7	01	2	7		5											
	05	9982	506		518	13	04	82	1	01	1	1		5											
	08	9979	507		519	11	03	82	3	03	1	2													
	11	9977	509		521	11	06	82	4	03	1	1													
	14	9965	511		523	11	06	82	6	03	1	2													
	17	9959	512		525	11	05	82	3	01	2	1													
	20	9945	514		526	13	05	82	2	01	1	2													
	23	9941	515		527	12	03	82	2	02	1	2								13	10	214	0000	03	515
22	02	9939	515		527	14	06	82	2	02	1	2													
	05	9931	517		528	08	02	82	1	01	1	1													
	08	9934	516		529	15	05	84	1	03	0	1													
	11	9938	518		529	14	04	84	1	03	1	1													
	14	9938	518		530	13	05	84	1	02	1	1		5											
	17	9938	519		530	12	05	84	1	02	1	1		5											
	20	9934	518		530	12	05	84	0	01	1	0													
	23	9936	518		530	12	03	84	0	02	0	0								10	13	176	0000	514	520
23	02	9943	518		530	14	07	84	0	02	0	0													
	05	9951	520		532	10	01	84	0	02	0	0													
	08	9958	519		532	13	01	84	1	02	0	1			8	4									
	11	9966	525		534	00	00	84	1	03	0	1			8	7									
	14	9973	525		534	15	02	83	2	03	0	1	1		5	7									
	17	9973	523		534	15	08	83	2	02	1	1	1		5	7									
	20	9976	522		533	15	13	83	0	01	0	0													
	23	9964	523		533	16	03	83	0	02	0	0								16	20	154	0000	518	526
24	02	9958	521		532	16	01	83	0	02	0	0													
	05	9956	526		536	00	00	84	3	03	1	3			8	4									
	08	9910	520		532	00	00	84	4	03	1	4			9	4									
	11	9896	520		531	15	03	84	1	01	1	1			9	4									
	14	9886	521		531	00	00	84	3	03	1	3			9	3									
	17	9873	521		532	13	03	84	3	02	1	3			9	3									
	20	9849	519		531	11	09	84	0	01	1	0													
	23	9844	517		528	12	09	84	0	02	1	0								14	12	191	0000	517	526
25	02	9857	517		527	15	09	83	1	03	0	1		5	5										
	05	9861	515		527	13	09	84	0	02	0	0													
	08	9849	515		527	13	07	84	0	02	0	0													
	11	9834	514		526	14	08	84	1	03	0	0			9				5						
	14	9811	513		522	15	16	84	2	03	1	0			9				5						
	17	9806	517		526	14	05	84	0	01	0	0													
	20	9809	514		526	09	09	84	0	02	0	0													
	23	9812	513		528	14	05	84	0	02	0	0								15	19	155	0000	513	518
26	02	9819	514		526	12	05	84	0	02	0	0													
	05	9823	510		522	14	02	84	1	02	0	1			8	4									
	08	9839	513		525	14	01	84	1	03	0	1			8	4									
	11	9874	512		524	09	03	84	2	03	1	2			8	5									
	14	9907	510		523	04	10	84	7	03	1	7			8	5									
	17	9953	511		522	04	11	84	7	02	3	7			8	5									
	20	9983	512		521	04	14	84	0	01	2	0													
	23	10017	512		523	04	01	84	0	02	0	0								03	24	161	0000	509	515
27	02	10025	515		525	00	00	84	0	02	0	0													
	05	10028	513		522	16	03	84	1	03	0	1			9	4									
	08	10025	511		522	16	03	82	7	03	1	7			8	7									
	11	10025	505		520	09	01	82	8	02	2	8			8	7									
	14	10027	08		516	13	04	82	8	02	2	8	2		8	7									
	17	10017	21		510	07	21	80	8	14	2	2		6	5	7									
	20	10027	14		502	07	23	80		86	3	3													
	23	10015	15		10	07	16	80	8	02	3	8			8	7				07	41	176	0000	16	516

Results of Surface Observations,
DAVIS – Jul., 1959

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	9973	18		12	07	35	82	8	02	2	8		8	7										
	05	9962	19		10	07	44	82	8	02	2	8		8	7										
	08	9950	19		11	07	45	82	8	02	2	8		8	7										
	11	9963	21		10	06	45	82	7	36	2	7		8	7										
	14	9978	21		10	07	45	82	7	02	2	7		8	7										
	17	9984	21		10	07	40	82	8	02	2	8		8	7										
	20	10001	20		15	08	24	80	8	02	2	8		8	7										
	23	9984	20		15	07	32	80	8	02	2	8		7	7					09	68	630	0000	22	15
29	02	9986	22		16	10	30	80	8	02	2	8		7	7										
	05	9989	22		17	10	24	80	8	02	2	8		7	7										
	08	10007	19		15	09	16	80	8	02	2	1	7	4	7										
	11	10010	20		509	05	17	80	8	02	2	1	7	4	7										
	14	10008	15		510	09	14	82	6	01	2	5		7	7	2									
	17	10011	10		511	10	02	82	3	01	1	1	5	5	7										
	20	10001	07		513	13	02	82	3	01	1	3		7	7										
	23	9990	04		514	12	03	83	0	01	1	0								09	56	925	0000	21	501
30	02	9976	02		516	12	08	83	0	02	0	0													
	05	9976	500		516	12	05	83	0	02	0	0													
	08	9965	501		517	13	04	84	1	03	0	1		8	4										
	11	9943	500		516	14	07	84	0	02	0	0													
	14	9931	04		511	06	02	84	2	03	0	1	4	5											
	17	9934	02		512	00	00	84	5	03	1	1	1	6	7	8									
	20	9940	502		510	06	09	84	5	03	1	5		8	7										
	23	9946	01		507	06	09	82	8	03	1	8		8	7					11	24	234	0000	04	503
31	02	9947	03		501	15	01	80	8	70	2	8		8	7										
	05	9936	05		02	18	01	40	8	70	7	8		8	2										
	08	9916	14		06	12	01	80	8	15	2	7	6	5	1										
	11	9890	19		11	05	08	80	8	15	7	5	5	5	7										
	14	9857	23		17	06	22	40	7	36	3	5	5	5	7										
	17	9836	24		23	07	44	40	7	02	2	4	5	5	7										
	20	9848	23		19	07	30	40	7	02	2	4	5	5	7										
	23	9837	23		19	07	32	40	8	02	2	4	5	5	7					07	64	142	0003	24	01

Results of Surface Observations,
DAVIS – Aug., 1959

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	9849	21		16	06	29	80	5	01	2	2	5	5	7										
	05	9870	19		12	06	31	40	5	02	1	2	5	5	7	0									
	08	9905	19		15	06	31	40	8	03	2	4	5	5	7										
	11	9941	20		14	07	36	40	8	22	2	3	5	5	7										
	14	9971	20		16	06	25	40	8	02	2	1	7	4	7										
	17	9984	21		16	06	12	40	8	02	2	1	7	4	7										
	20	10003	21		17	06	19	24	8	70	2	0			7										
	23	10011	23		11	06	21	80	8	02	2	0			7					07	54	788	0000	24	19
02	02	10010	24		12	06	16	80	8	02	2	0			7										
	05	10021	24		08	07	18	80	8	01	2	0			7										
	08	10043	21		05	11	03	82	5	02	1	0			4	0									
	11	10049	18		01	14	03	82	5	01	1	0			7	0									
	14	10055	15		502	13	08	82	4	02	1	0			7	1									
	17	10056	14		503	14	05	82	4	01	1	0			7	1									
	20	10057	13		506	13	06	82	2	03	1	0			1	0									
	23	10055	11		506	13	04	82	3	02	1	0			7	0				08	37	539	0000	24	10
03	02	10051	11		507	12	06	83	2	02	1	0			7	0									
	05	10054	10		508	13	05	83	2	01	1	0			7	0									
	08	10050	09		508	12	09	83	1	03	0	0			4	0									
	11	10043	08		508	13	09	83	1	02	1	0			0	5									
	14	10036	06		510	11	04	83	1	03	1	0			0	5									
	17	10032	05		511	12	03	83	1	03	1	0			4	0									
	20	10023	03		511	12	07	83	2	02	0	0			4	0									
	23	10018	01		514	14	04	84	0	02	0	0			0	0				12	19	232	0000	12	01
04	02	10010	00		515	13	07	84	0	02	0	0			0	0									
	05	10011	02		516	11	10	84	0	03	0	0			0	0									
	08	10010	01		517	12	06	84	2	03	1	1	5	5	7	0									
	11	10001	01		511	12	01	84	5	03	1	0			7	0									
	14	9990	03		511	14	05	83	6	03	2	0			7										
	17	9986	06		507	13	03	83	8	02	2	0			7										
	20	9984	09		505	14	02	83	8	70	2	0			7										
	23	9986	11		06	15	04	83	8	02	2	0			7					10	16	176	0000	11	00
05	02	9990	11		03	12	04	83	8	02	2	0			7										
	05	9992	15		05	07	05	83	8	02	2	0			7										
	08	9993	17		11	09	04	80	8	03	2	6	6	4	7										
	11	9994	18		06	08	10	81	7	15	2	0			7										
	14	9990	19		06	07	14	80	8	03	2	4	6	4	7										
	17	9987	19		05	08	10	80	8	03	2	6	6	4	7										
	20	9987	18		03	06	12	80	8	02	2	0			7										
	23	9985	20		05	06	13	80	8	02	2	0			7					07	27	160	0000	20	11
06	02	9995	18		03	07	15	80	8	02	2	0			7										
	05	10005	18		06	07	07	80	8	02	2	0			7										
	08	10025	15		09	07	05	80	8	02	2	1	5	5	7										
	11	10041	16		06	08	03	82	7	01	2	1	7	5	7	1									
	14	10057	17		04	09	12	82	6	02	2	1	7	5	7	1									
	17	10081	15		501	11	09	82	6	02	2	0			7	0									
	20	10103	12		502	14	04	83	5	01	1	0			7	0									
	23	10113	13		502	13	04	83	5	02	1	0			7	0				10	29	329	0000	19	11
07	02	10116	15		502	14	03	83	5	02	1	0			7	0									
	05	10126	15		502	13	04	82	7	03	1	0			7										
	08	10125	18		01	13	05	82	8	03	2	0			7										
	11	10129	18		03	09	06	82	7	01	2	0			7	0									
	14	10134	20		03	05	04	82	7	03	2	0			7	0									
	17	10127	17		02	09	03	82	6	01	2	0			7	0									
	20	10106	15		00	07	03	82	8	03	2	0			7										
	23	10073	13		02	00	00	82	8	02	2	0			7					05	13	220	0000	18	12
08	02	10034	08		505	16	06	82	3	01	2	0			7	0									
	05	9990	05		506	11	05	83	1	01	1	0			7	0									
	08	9964	05		508	08	06	83	3	03	1	0			7	0									
	11	9929	04		511	11	05	83	5	03	1	0			7	6									
	14	9902	06		512	13	03	83	6	03	1	0			7	5									
	17	9885	02		515	12	03	83	3	01	1	0			7	6									
	20	9871	04		514	07	04	84	1	01	1	0			7	0									
	23	9875	03		516	08	05	84	0	01	1	0			0	0				05	13	139	0000	11	00
09	02	9881	502		517	12	07	84	0	02	0	0			0	0									
	05	9883	506		518	12	07	84	0	02	0	0			0	0									
	08	9887	507		519	15	05	84	6	03	1	0			7	1									
	11	9893	502		519	18	02	84	3	01	1	0			7	1									
	14	9910	02		512	06	05	84	6	03	1	0			7	1									
	17	9928	03		512	07	14	84	7	03	1	0			7	1									
	20	9944	02		515	09	06	84	2	01	1	0			4	0									
	23	9949	500		516	09	07	84	0	02	0	0			0	0				07	26	144	0000	03	507

Results of Surface Observations,
DAVIS – Aug., 1959

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
		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
10	02	9943	500		518	14	05	84	0	02	0	0	0	9	0	0									
	05	9947	501		518	13	03	84	0	02	0	0	0	9	0	0									
	08	9942	05		513	07	01	84	2	03	0	2	0	9	8	0									
	11	9948	02		512	09	03	84	3	03	1	3	0	9	9	5									
	14	9956	02		511	13	03	84	4	03	1	1	5	5	8	0									
	17	9958	07		507	08	01	84	6	03	1	1	5	5	8	0									
	20	9963	11		503	07	03	84	8	03	1	8	5	9	8	0									
	23	9964	15		00	04	16	83	7	01	2	7	0	8	7					05	37	151	0000	18	502
11	02	9970	17		503	07	26	83	3	01	2	3	0	8	7	0									
	05	9987	17		504	06	28	83	5	03	1	5	0	8	7	0									
	08	9998	17		00	06	27	83	6	03	1	5	0	7	7	1									
	11	9992	20		03	07	24	83	7	03	2	5	5	7	7	0									
	14	9993	20		04	06	17	83	5	01	2	3	5	5	7	0									
	17	9991	22		04	06	14	83	3	01	2	1	5	5	7	0									
	20	9997	20		01	08	14	83	4	03	1	4	0	8	7	0									
	23	10002	10		507	13	06	82	2	02	1	2	0	9	1	0				05	51	330	0000	22	10
12	02	10008	07		510	11	09	83	2	02	1	2	0	9	1	0									
	05	9998	05		512	12	05	83	2	02	1	2	0	9	1	0									
	08	9990	04		512	11	05	83	4	03	1	3	0	8	7	1									
	11	9979	06		512	10	04	83	2	01	1	1	0	7	7	0									
	14	9970	05		512	12	02	83	2	02	1	2	0	9	5	5									
	17	9959	03		513	12	02	84	1	01	1	1	0	9	5	5									
	20	9950	03		513	11	01	84	3	03	0	3	0	9	0	0									
	23	9947	05		513	07	01	84	1	01	1	1	0	9	3	0				14	16	673	0000	06	01
13	02	9930	03		516	06	01	84	1	02	0	1	0	9	3	0									
	05	9924	05		514	08	01	84	1	02	0	1	0	9	3	0									
	08	9924	05		513	06	10	84	3	03	1	3	0	9	4	0									
	11	9933	11		509	06	13	84	7	03	1	7	0	9	7										
	14	9939	10		510	08	10	84	7	03	1	7	0	9	7										
	17	9948	09		510	08	10	84	7	02	2	7	0	9	7	0									
	20	9961	08		512	09	06	83	8	02	2	8	0	9	7										
	23	9968	07		514	08	09	83	6	01	2	5	0	9	1	1				07	24	103	0000	11	02
14	02	9971	03		515	10	06	83	7	03	2	7	0	9	7	0									
	05	9975	00		516	13	09	84	3	01	2	3	0	9	7	0									
	08	9968	504		520	11	08	84	2	01	1	2	0	9	7	0									
	11	9957	503		521	11	01	84	2	01	1	1	0	9	3	1									
	14	9939	502		520	05	01	84	1	01	1	1	0	9	7	1									
	17	9925	505		522	09	03	84	1	02	0	0	0	9	7	0									
	20	9911	508		523	12	09	84	0	01	0	0	0	9	0	0									
	23	9894	511		525	12	07	84	0	02	0	0	0	9	0	0				12	28	241	0000	07	511
15	02	9885	511		526	12	11	84	0	02	0	0	0	9	0	0									
	05	9875	515		529	12	05	84	0	02	0	0	0	9	0	0									
	08	9873	515		530	00	00	84	0	02	0	0	0	9	0	0									
	11	9871	515		530	11	03	83	1	03	0	1	5	5	0	0									
	14	9869	511		527	08	03	83	1	03	1	1	5	5	0	0									
	17	9875	512		525	09	03	83	7	03	2	7	5	5	0	0									
	20	9873	511		522	11	04	82	8	70	7	8	5	5											
	23	9881	509		516	08	03	82	8	70	7	8	5	5						12	16	167	0000	509	516
16	02	9894	509		517	06	09	82	8	70	7	8	5	5											
	05	9905	512		521	09	07	82	2	01	2	2	5	5	0	0									
	08	9917	509		515	09	05	40	8	70	2	8	5	5											
	11	9925	507		515	06	07	40	8	70	7	8	5	5											
	14	9935	507		512	05	12	40	8	22	7	8	5	5											
	17	9939	507		513	05	13	40	8	70	7	8	5	5											
	20	9945	509		515	06	13	80	6	01	7	6	5	5	0	0									
	23	9936	508		517	05	20	80	6	01	1	4	5	5	1	0				05	31	125	0000	507	513
17	02	9925	506		516	05	18	80	6	02	1	4	5	5	1	0									
	05	9896	507		515	01	01	80	7	03	1	4	5	5	1										
	08	9865	502		509	23	07	80	8	15	2	5	5	5	2										
	11	9827	09		511	06	11	81	8	15	2	8	5	4											
	14	9785	12		502	09	27	80	8	15	2	8	5	4											
	17	9752	14		00	07	38	40	8	02	2	8	5	4											
	20	9749	17		06	07	34	40	8	02	2	8	5	4											
	23	9735	17		07	07	31	40	8	02	2	8	5	4						07	58	288	0000	18	509
18	02	9719	20		08	08	36	40	8	02	2	8	5	4											
	05	9720	20		08	08	37	80	8	02	2	8	5	4											
	08	9734	20		08	08	30	80	8	02	2	4	5	5	7										
	11	9744	21		13	08	30	80	8	02	2	4	5	5	7										
	14	9764	21		06	00	00	80	8	02	2	4	5	5	7										
	17	9805	21		04	08	12	80	7	01	2	4	5	5	7										
	20	9780	19		01	11	09	80	7	02	2	4	5	5	7										
	23	9786	19		01	08	17	80	7	02	2	3	5	5	7					09	54	854	0000	22	18

Results of Surface Observations,
DAVIS – Aug., 1959

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	9817	18		00	06	06	80	8	03		2		5	7										
	05	9818	14		503	12	06	81	8	02		2		5	7										
	08	9830	10		507	13	04	82	6	01		2		7	4	1									
	11	9842	12		505	10	05	82	6	03		2		5	4	6									
	14	9854	11		507	09	03	82	5	01		1		5	4	9									
	17	9873	08		510	09	07	82	3	01		2		7	4	5									
	20	9883	05		512	09	07	84	2	02		1		9	7	0									
	23	9871	05		512	08	06	84	4	03		1		9	7	0				06	33	148	0000	19	04
20	02	9896	04		514	09	03	84	2	01		1		9	7	0									
	05	9896	501		517	00	00	84	1	01		1		9	7	0									
	08	9893	501		517	13	02	84	1	02		1		9	7	0									
	11	9883	01		516	34	01	84	1	02		1		9	7	0									
	14	9872	00		515	20	02	84	1	02		1		9	7	0									
	17	9862	01		517	14	02	84	1	02		1		9	7	0									
	20	9843	502		519	15	01	84	1	02		1		9	4	0									
	23	9827	502		518	14	03	84	1	02		1		9	4	0				08	15	145	0000	05	505
21	02	9813	00		518	16	05	84	0	01		0		9	0	0									
	05	9802	00		518	14	05	84	0	02		0		9	0	0									
	08	9792	503		521	13	08	84	2	02		1		8	7	5									
	11	9784	01		515	12	07	84	2	02		1		8	7	8									
	14	9767	02		513	12	06	84	2	02		1		8	7	8									
	17	9756	501		515	12	07	84	2	02		1		8	7	8									
	20	9735	503		517	11	07	84	1	01		1		8	7	0									
	23	9720	505		517	00	00	84	1	01		1		8	4	0				11	15	124	0000	02	504
22	02	9714	504		517	12	07	84	0	02		0		9	0	0									
	05	9709	505		514	13	06	84	2	03		1		8	7	0									
	08	9701	502		515	11	08	84	2	02		1		8	7	5									
	11	9693	04		510	10	03	84	3	03		1		8	7	5									
	14	9674	07		508	11	03	84	3	01		1		8	7	5									
	17	9697	03		511	09	05	84	3	02		1		8	5	5									
	20	9701	00		513	10	05	84	2	01		1		8	4	5									
	23	9708	00		513	10	05	84	2	02		1		8	4	5				10	10	209	0000	07	505
23	02	9713	503		514	10	05	84	1	01		1		9	0	5									
	05	9719	503		514	11	05	84	1	02		1		9	0	5									
	08	9725	504		515	11	09	84	2	03		1		9	0	5									
	11	9731	502		514	09	03	84	3	03		1		9	0	5									
	14	9737	500		513	11	04	84	4	03		1		9	0	5									
	17	9744	504		516	11	03	84	2	01		1		9	0	5									
	20	9752	506		518	12	07	83	3	03		1		8	7	0									
	23	9762	507		519	13	04	83	3	02		1		8	7	0				36	10	145	0000	00	507
24	02	9771	505		518	12	06	83	3	02		1		8	7	0									
	05	9785	506		519	13	05	83	3	02		1		8	7	0									
	08	9796	507		519	10	03	83	3	02		1		8	7	5									
	11	9805	504		518	13	01	83	5	03		1		8	7	5									
	14	9811	501		517	13	01	83	7	03		1		7	7	5									
	17	9814	504		517	11	01	83	7	02		2		7	7	5									
	20	9815	504		517	13	01	82	8	03		2		8	7										
	23	9810	502		512	00	00	40	8	70		2		8	1					13	11	159	0000	501	507
25	02	9810	502		506	12	01	40	8	70		7		8	1										
	05	9807	503		507	12	05	40	8	71		7		8	1										
	08	9802	502		506	13	03	80	7	01		7		5	5										
	11	9800	501		508	10	03	80	7	01		2		2	5	2									
	14	9799	500		505	14	03	40	7	70		7		7	8										
	17	9800	00		505	14	02	40	8	03		2		3	7										
	20	9800	00		506	16	03	40	8	02		2		8											
	23	9798	00		507	00	00	40	8	02		7		8						11	06	099	0000	02	504
26	02	9800	504		510	13	07	82	1	03		0		1	4	0									
	05	9809	509		515	11	07	82	3	03		1		2	4	0									
	08	9818	507		516	11	05	40	7	03		1		4	4										
	11	9827	505		514	14	03	40	7	02		1		4	4										
	14	9832	503		512	00	00	80	3	01		1		3	7	1									
	17	9841	506		513	11	04	80	6	03		1		6	7	0									
	20	9846	509		516	13	02	82	6	02		2		6	7										
	23	9850	510		518	14	04	80	8	03		2		8	7					14	10	114	0001	00	511
27	02	9852	509		517	13	06	82	6	01		2		6	7										
	05	9855	511		519	14	04	82	6	02		2		6	7										
	08	9863	510		517	14	05	82	7	03		2		6	7	0									
	11	9870	510		518	13	04	82	7	03		2		5	7	0									
	14	9878	509		517	14	04	82	6	01		2		4	7	0									
	17	9892	510		517	11	03	82	7	03		2		5	7	0									
	20	9907	515		523	14	06	83	2	01		2		1	7	0									
	23	9920	515		524	13	06	83	5	03		1		2	7	0				14	10	121	0000	509	516

Results of Surface Observations,
DAVIS – Aug., 1959

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	513		521	13	05	82	8	70	2	2	5	5	2										
	05	9952	511		518	11	03	82	8	22	7	8	5	5											
	08	9966	510		518	06	08	80	8	15	7	8	5	5											
	11	9978	510		519	03	08	81	8	01	8	7	5	5	7										
	14	9985	511		523	04	10	82	6	01	2	4	5	6	7	0									
	17	9986	513		523	06	05	83	6	02	2	4	5	6	4	0									
	20	9982	519		529	10	02	84	0	01	1	0	0	9	0	0									
	23	9972	521		531	13	03	84	0	02	0	0	0	9	0	0				03	17	158	0000	510	523
29	02	9969	521		531	09	03	84	0	02	0	0	0	9	0	0									
	05	9964	523		534	12	03	84	0	02	0	0	0	9	0	0									
	08	9960	523		534	12	04	84	1	02	0	1	5	6	0	0									
	11	9949	520		532	13	02	84	0	02	0	0	0	9	0	0									
	14	9938	518		530	03	04	84	0	02	0	0	0	9	0	0									
	17	9929	521		531	08	01	84	1	03	0	0	0	9	0	5									
	20	9900	522		533	08	03	84	0	02	0	0	0	9	0	0									
	23	9894	523		532	08	02	84	0	02	0	0	0	9	0	0				14	07	156	0000	517	524
30	02	9855	523		535	16	01	84	0	02	0	0	0	9	0	0									
	05	9827	526		537	14	06	84	0	02	0	0	0	9	0	0									
	08	9804	521		531	14	07	84	0	02	0	0	0	9	0	0									
	11	9772	515		527	15	03	84	1	03	0	0	0	9	0	5									
	14	9754	513		525	16	03	84	1	02	1	0	0	9	0	5									
	17	9748	515		526	13	05	84	1	02	7	0	0	9	0	5									
	20	9742	514		527	14	05	84	1	02	0	0	0	9	0	5									
	23	9741	516		528	14	04	84	1	02	0	1	0	8	7	0				17	11	087	0000	513	526
31	02	9740	516		527	14	07	84	1	02	1	1	0	8	7	0									
	05	9738	515		526	14	03	84	2	03	1	2	0	8	7	0									
	08	9738	515		528	10	03	84	4	03	1	3	0	8	4	2									
	11	9733	511		523	13	01	84	5	03	1	1	5	5	9	2									
	14	9726	509		523	00	00	84	4	01	1	1	5	5	9	2									
	17	9706	511		525	00	00	84	3	01	1	1	0	7	4	5									
	20	9692	516		529	14	03	84	0	01	1	0	0	9	0	0									
	23	9671	520		532	11	04	84	0	02	0	0	0	9	0	0				10	11	197	0000	508	521

Results of Surface Observations,
DAVIS – Sep., 1959

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	9651	522		534	11	05	84	0	02	0	0	0	9	0	0									
	05	9648	523		535	10	05	84	0	02	0	0	0	9	0	0									
	08	9640	524		536	11	03	84	1	02	0	1	0	9	0	5									
	11	9638	519		532	04	05	84	1	03	0	1	0	8	7	0									
	14	9643	519		531	05	21	80	2	36	3	2	0	8	7	0									
	17	9648	521		533	04	22	64	4	36	3	3	0	7	7	1									
	20	9652	522		531	04	29	16	4	37	3	4	0	7	7	0									
	23	9655	522		529	04	34	04	2	37	3	2	0	7	7	0				04	45	114	0000	518	524
02	02	9663	523		529	04	27	04	5	39	3	5	0	7	7	0									
	05	9673	521		527	04	30	01	3	39	3	3	0	7	7	0									
	08	9699	520		527	04	12	16	3	01	3	1	5	5	7	0									
	11	9702	515		522	04	18	16	4	36	3	3	6	4	4	0									
	14	9719	514		522	05	11	40	8	02	2	4	5	5	7										
	17	9728	513		520	05	06	40	8	02	2	6	5	5	2										
	20	9741	512		522	07	03	40	8	01	2	4	5	5	2										
	23	9750	509		519	05	05	40	6	02	1	4	5	5	2					04	42	643	0000	509	523
03	02	9750	509		516	06	03	40	6	70	1	4	5	5	2										
	05	9752	507		514	05	03	40	6	70	7	4	5	5	2	0									
	08	9756	506		513	04	14	24	8	71	7	8	0	7	2										
	11	9758	507		511	04	13	24	8	72	7	8	0	7	2										
	14	9767	507		509	03	28	02		73	7														
	17	9775	506		507	04	22	02		73	7														
	20	9795	505		508	04	12	24		70	7														
	23	9793	505		508	03	09	40	7	70	7	7	0	7	2	0				06	36	316	0000	505	509
04	02	9809	506		510	05	02	24		71	7														
	05	9818	506		510	06	04	40	8	70	7	8	0	7	2										
	08	9826	509		514	06	03	40	6	16	7	6	0	7	7	0									
	11	9853	520		524	26	09	08	6	16	7	4	6	3	4	0									
	14	9880	520		526	26	06	16	7	70	7	4	6	3	7										
	17	9902	522		528	27	07	40	7	01	7	2	6	3	7										
	20	9951	523		532	25	10	40	5	01	1	5	0	8	7	0									
	23	9930	525		532	22	05	80	2	01	1	2	0	8	7	0				28	13	412	0002	506	527
05	02	9938	529		535	20	04	82	1	01	1	1	0	8	4	0									
	05	9947	529		535	18	04	84	1	02	1	1	0	8	4	0									
	08	9948	529		535	16	04	83	6	03	1	6	0	8	4	5									
	11	9948	523		529	20	01	82	8	03	2	8	0	9	0	7									
	14	9947	520		526	21	01	82	7	01	2	5	0	8	2	5									
	17	9929	517		525	16	01	82	8	03	2	8	0	8	2										
	20	9913	511		524	10	01	82	6	01	1	6	0	8	1	0									
	23	9903	510		525	02	03	82	8	03	2	8	0	7	1					16	09	216	0000	509	530
06	02	9887	509		522	10	01	82	8	02	2	8	0	7	1										
	05	9874	504		513	10	05	82	8	03	2	8	0	7	7										
	08	9865	500		511	11	06	82	8	02	2	8	0	7	7										
	11	9859	05		508	05	04	82	8	02	2	8	0	5	7										
	14	9852	05		506	06	04	82	8	14	2	8	0	5	2										
	17	9845	06		507	05	10	82	8	02	2	8	0	5	2										
	20	9831	05		508	05	23	82	8	36	2	8	0	5	2										
	23	9817	05		514	05	23	82	8	02	2	8	0	5	2					04	36	081	0000	07	511
07	02	9807	06		514	05	18	82	8	02	2	8	0	5	2										
	05	9804	05		514	05	17	82	7	01	2	2	5	5	2										
	08	9802	00		514	03	07	82	8	03	2	3	5	5	7										
	11	9807	501		515	03	13	82	8	01	2	8	0	7	7										
	14	9804	501		517	03	07	82	8	02	2	8	0	7	7										
	17	9808	502		517	06	04	82	8	02	2	8	0	7	7										
	20	9809	504		519	05	04	82	8	01	2	8	0	7	7										
	23	9813	504		519	03	01	82	8	02	2	8	0	7	7					05	34	401	0000	07	505
08	02	9814	505		520	04	01	82	8	02	2	8	0	7	7										
	05	9816	506		520	08	01	82	8	02	2	8	0	7	7										
	08	9825	506		520	05	01	82	7	01	2	7	0	9	7										
	11	9834	505		522	20	01	82	6	01	1	1	1	5	7										
	14	9843	502		516	11	09	84	3	01	1	0	0	9	0	2									
	17	9850	507		521	16	04	84	3	03	1	0	0	9	0	5									
	20	9851	512		525	14	03	84	3	02	1	0	0	9	0	5									
	23	9851	514		527	00	00	84	0	02	0	0	0	9	0	0				20	11	190	0000	502	514
09	02	9850	515		527	13	03	84	0	02	0	0	0	9	0	0									
	05	9856	516		528	23	04	84	4	03	1	1	0	7	4	5									
	08	9874	516		529	16	10	84	4	02	1	2	4	6	7	5									
	11	9893	513		526	15	09	84	1	01	1	1	4	6	0	5									
	14	9922	509		521	15	01	84	2	02	1	2	0	9	0	5									
	17	9944	512		526	14	07	84	3	03	1	1	0	8	2	5									
	20	9958	514		528	14	10	83	5	03	1	3	0	8	2	5									
	23	9979	511		525	08	09	82	8	02	2	8	0	8	2					18	24	152	0000	509	517

Results of Surface Observations,
DAVIS – Sep., 1959

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	9983	510		523	08	09	82	8	02	2	8	0	8	2										
	05	9973	508		520	08	08	82	8	03	2	2	5	5	2										
	08	9926	501		512	05	23	40	8	02	2	8	0	7	2										
	11	9854	501		503	05	30	04	8	38	3	8	0	7	2										
	14	9775	11		08	07	33	04	·	73	7														
	17	9704	12		11	06	50	00		75	7														
	20	9651	09		08	05	50	00		75	7														
	23	9631	07		06	05	54	00		75	7									06	78	287	0000	12	511
11	02	9675	05		04	05	26	00		75	7														
	05	9700	04		03	05	26	00		75	7														
	08	9721	02		01	06	25	00		75	7														
	11	9724	01		00	04	27	00		75	7														
	14	9730	01		00	05	28	00		75	7														
	17	9734	01		00	04	15	01		73	7														
	20	9756	500		503	06	06	08	8	02	2	8	5	4											
	23	9802	501		507	00	00	40	8	02	2	8	5	5						05	56	1042	0025	05	501
12	02	9853	501		506	00	00	40	8	70	2	8	5	5											
	05	9897	509		517	13	08	80	5	01	2	5	5	5	0	0									
	08	9929	511		519	13	10	80	3	01	1	3	0	9	0	5									
	11	9939	507		517	12	06	80	7	03	1	6	0	8	1	1									
	14	9934	502		516	06	10	80	8	03	1	8	0	8	2										
	17	9917	502		515	06	07	80	8	02	2	8	0	8	2										
	20	9878	502		507	05	05	40	8	70	2	8	0	8	1										
	23	9821	03		501	05	07	04		73	7									13	17	401	0015	04	511
13	02	9775	08		04	23	11	04		73	7														
	05	9771	11		07	23	09	02		75	7														
	08	9803	11		08	25	07	40	8	15	7	8	0	7	7										
	11	9821	12		05	17	07	56	8	02	2	8	0	7	7										
	14	9806	10		02	07	08	80	6	01	2	6	0	7	7	0									
	17	9770	09		503	06	05	80	5	01	2	5	0	8	7	0									
	20	9732	09		504	14	04	40	8	03	2	8	0	8	7										
	23	9703	07		502	22	04	40	8	03	2	2	5	4	7					22	17	103	0044	12	04
14	02	9710	09		502	20	04	40	8	02	2	4	5	4	7										
	05	9723	07		504	21	04	64	8	02	2	5	5	4	2										
	08	9741	06		01	24	06	80	8	70	2	2	5	4	2										
	11	9759	04		00	00	00	80	8	70	7	2	5	4	2										
	14	9777	03		501	24	03	80	8	02	7	1	5	4	7										
	17	9776	01		506	00	00	82	7	01	2	3	5	5	7	0									
	20	9770	501		507	06	06	80	8	03	2	8	5	5											
	23	9760	02		503	05	07	40	8	70	7	8	0	7	2					20	16	166	0000	09	505
15	02	9788	03		502	00	00	40	8	70	7	8	0	7	2										
	05	9816	01		504	00	00	08	8	71	7	8	0	7	2										
	08	9866	506		510	29	11	24	5	36	3	5	0	7	7	0									
	11	9910	511		517	27	07	40	5	36	3	5	0	7	7	0									
	14	9950	514		519	27	02	82	1	03	1	0	0	9	0	4									
	17	9980	517		521	00	00	83	3	03	1	1	0	7	4	4									
	20	9980	518		523	18	01	82	4	03	1	2	0	7	4	4									
	23	9963	516		521	23	08	80	5	03	1	5	0	7	1	0				29	17	169	0000	04	517
16	02	9930	514		519	08	08	82	8	03	2	8	0	7	1										
	05	9883	506		516	08	05	81	8	02	2	8	0	7	7										
	08	9817	503		513	00	00	81	7	02	2	7	0	9	7										
	11	9765	05		501	09	01	80	7	02	2	7	0	9	7										
	14	9704	13		11	08	35	00		39	3														
	17	9691	13		11	04	35	00		39	3														
	20	9702	11		09	05	50	00		39	3														
	23	9718	11		10	05	45	00		39	3									05	64	157	0000	13	516
17	02	9728	10		08	05	50	00		39	3														
	05	9719	09		07	04	50	00		39	3														
	08	9701	07		05	05	38	00		39	3														
	11	9705	09		07	05	32	00		39	3														
	14	9674	11		07	07	28	08		38	3														
	17	9670	12		07	07	24	16	8	36	3	2	6	4	7										
	20	9664	11		08	07	24	16	8	03	2	6	5	2	7										
	23	9668	06		02	04	05	08		71	7									04	51	921	0015	12	01
18	02	9689	04		00	02	03	08		71	7														
	05	9703	07		02	04	08	24		71	7														
	08	9728	01		503	03	09	08		71	7														
	11	9726	03		505	05	04	24	8	70	7	8	0	7	2										
	14	9740	05		03	05	34	00		39	3														
	17	9740	03		01	05	36	00		39	3														
	20	9757	03		505	06	40	08		38	3														
	23	9771	03		508	06	20	40	8	01	3	8	0	8	2					05	45	593	0008	07	01

Results of Surface Observations,
DAVIS – Sep., 1959

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	9778	03		508	07	25	40	8	02	2	8	0	8	2										
	05	9778	03		508	08	25	40	8	02	2	8	0	8	7										
	08	9777	04		511	06	21	64	8	02	2	8	0	7	2										
	11	9766	07		506	05	16	40	8	70	2	8	0	7	7										
	14	9751	07		02	05	07	16		71	7														
	17	9742	07		02	00	00	32		71	7														
	20	9728	06		504	16	02	32		71	7														
	23	9715	05		505	22	01	40	8	70	7	8	0	7	2					05	37	827	0002	07	03
20	02	9711	05		510	13	05	80	7	01	7	7	0	7	7										
	05	9710	501		514	11	08	81	6	01	2	6	0	8	7										
	08	9710	502		516	13	07	82	5	01	1	5	0	8	7										
	11	9714	501		516	14	03	82	3	01	1	2	0	8	4	1									
	14	9719	501		518	06	05	82	4	03	1	2	0	8	4	4									
	17	9720	506		520	14	10	82	4	03	1	2	0	8	7	9									
	20	9728	509		521	23	02	84	2	01	1	2	0	8	4	0									
	23	9736	513		526	13	06	84	1	01	1	1	0	8	4	0				13	15	226	0004	05	513
21	02	9746	516		530	13	07	84	1	02	1	1	0	8	4	0									
	05	9753	516		530	13	09	84	1	02	1	1	0	8	4	0									
	08	9768	514		528	09	06	84	3	03	1	3	0	7	7	0									
	11	9773	508		524	07	05	84	2	01	1	2	0	7	7	0									
	14	9783	506		520	04	09	84	6	03	1	3	4	6	8	0									
	17	9792	513		521	30	05	84	6	03	1	4	5	5	7	0									
	20	9814	516		524	31	05	84	5	01	1	3	5	5	7	0									
	23	9824	518		524	31	05	83	0	01	1									05	15	158	0000	505	521
22	02	9839	522		528	06	07	82	1	03	0	1	0	7	4	0									
	05	9846	521		527	06	08	82	6	03	0	6	0	7	5	0									
	08	9843	516		524	09	06	84	6	03	2	1	5	5	5	0									
	11	9838	513		524	05	04	84	3	01	1	1	5	5	4	1									
	14	9824	510		522	05	03	84	2	01	1	1	5	5	5	1									
	17	9811	513		529	06	03	84	4	03	1	2	5	5	5	0									
	20	9798	513		529	06	03	84	2	01	1	1	5	5	4	0									
	23	9790	516		529	07	01	84	2	02	1	1	5	5	4	0				06	13	180	0000	510	521
23	02	9786	516		529	13	04	84	2	03	1	2	0	7	4	0									
	05	9782	518		531	20	04	84	3	03	1	3	0	7	4	1									
	08	9790	514		527	24	02	81	6	03	1	6	0	7	7	0									
	11	9802	507		521	18	03	80	7	03	2	7	0	7	7				3						
	14	9809	505		520	20	02	81	5	01	2	2	0	7	7	8									
	17	9821	506		522	00	00	81	8	03	2	8	0	8	2										
	20	9839	507		521	12	01	81	5	01	2	5	0	8	2	0									
	23	9852	507		521	08	03	81	4	01	2	4	0	2	2	0				17	10	114	0000	505	517
24	02	9862	507		522	10	02	81	4	02	1	4	0	7	7	0									
	05	9870	508		523	08	02	82	4	02	1	4	0	8	7	0									
	08	9868	505		520	08	01	82	8	03	1	8	0	8	1										
	11	9868	504		519	04	03	82	7	01	1	7	0	8	7										
	14	9872	503		519	04	01	82	6	01	1	6	0	8	7	1									
	17	9880	505		514	04	01	40	7	03	1	7	0	8	7										
	20	9894	508		513	00	00	40	7	70	7	0	0	9	0	6									
	23	9913	511		516	26	01	40	8	71	7	0	0	9	0	7				05	08	104	0000	503	512
25	02	9933	512		517	10	01	84	0	01	0	0	0	9	0	0									
	05	9942	513		524	08	06	84	1	03	0	1	0	7	4	0									
	08	9941	512		526	09	05	84	1	02	1	1	0	7	4	0									
	11	9935	507		523	09	01	84	1	02	1	1	0	8	4	0									
	14	9925	506		525	17	01	84	0	01	0														
	17	9919	508		525	18	01	84	0	02	0														
	20	9909	512		522	20	05	84	0	02	0									20	13	111	0000	503	518
	23	9907	512		522	20	06	84	0	02	0														
26	02	9920	515		526	15	06	84	0	02	0														
	05	9929	515		526	16	11	84	0	02	0														
	08	9947	515		522	22	02	84	0	02	0														
	11	9954	510		518	23	10	84	3	03	1	0	0	9	0	5									
	14	9965	507		516	22	10	84	5	03	1	0	0	9	0	6									
	17	9990	505		517	06	01	84	4	01	1	0	0	9	0	6									
	20	10017	508		520	11	08	84	3	01	1	0	0	9	0	5									
	23	10034	510		523	11	03	84	3	02	1	0	0	9	0	5				17	27	196	0000	504	518
27	02	10045	508		520	12	07	84	3	02	1	0	0	9	0	5									
	05	10048	510		523	13	06	84	5	03	1	0	0	9	0	6									
	08	10032	507		520	00	00	83	8	03	2	0	0	9	0	7									
	11	10026	01		515	20	01	83	8	02	2	0	0	9	0	7									
	14	10008	01		511	00	00	82	8	03	2	2	0	9	2	7									
	17	9980	05		510	18	04	81	8	03	2	8	0	9	2										
	20	9966	13		508	05	10	81	8	02	2	8	0	9	2										
	23	9951	15		506	05	12	80	8	36	2	8	0	9	2					07	31	202	0000	07	509

Results of Surface Observations,
DAVIS — Sep., 1959

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	9943	15		505	07	14	80	8	02	3	8	0	8	2										
	05	9921	15		10	07	32	24	8	38	3	8	0	8	7										
	08	9923	17		06	07	18	40	7	01	3	7	0	8	7	1									
	11	9910	18		04	05	20	40	7	02	2	7	0	8	7										
	14	9886	20		02	08	17	40	7	02	2	7	0	8	7										
	17	9874	21		504	10	10	40	7	02	2	7	0	8	7										
	20	9868	17		503	10	22	40	7	02	2	7	0	8	7										
	23	9870	10		507	11	22	82	0	01	1									06	45	335	0000	21	12
29	02	9856	11		507	11	29	82	0	02	0														
	05	9848	09		506	11	24	82	1	03	0	1	0	8	4	0									
	08	9832	07		501	11	38	40	2	03	1	2	0	8	4	0									
	11	9818	10		01	11	12	80	5	03	3	5	0	7	8	0									
	14	9810	15		502	10	25	80	7	03	2	1	4	5	7										
	17	9812	15		501	07	16	81	7	02	2	1	4	6	7										
	20	9815	10		506	10	40	81	7	02	2	1	4	6	7										
	23	9852	17		501	08	30	80	1	01	1	1	0	8	4	0				09	56	514	0000	16	07
30	02	9888	16		503	09	27	80	3	02	1	3	0	8	4	0									
	05	9909	16		503	09	17	81	2	03	1	2	0	8	7	4									
	08	9934	16		501	09	24	82	5	03	1	3	0	8	4	4									
	11	9945	18		00	09	19	82	6	03	2	6	0	8	7	4									
	14	9952	20		01	09	17	82	7	03	2	7	0	8	7	0									
	17	9963	19		00	10	07	81	7	01	2	1	5	5	7	0									
	20	9969	13		506	12	12	82	3	01	2	3	0	8	4	0									
	23	9975	06		510	13	10	84	0	02	0									08	49	462	0000	20	05

Results of Surface Observations,
DAVIS – Oct., 1959

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	9966	03		512	13	09	84	0	02		0													
	05	9960	01		514	13	04	84	1	03		0		9		4									
	08	9949	05		513	13	01	84	1	02		0		9		1									
	11	9947	09		507	23	01	84	0	03		0													
	14	9938	11		504	25	01	89	0	02		0													
	17	9939	10		505	27	01	84	1	01		0		9		5									
	20	9938	07		509	08	04	84	2	01	1	0		9		5									
	23	9954	03		515	09	07	84	0	02										13	18	300	0000	12	01
02	02	9962	00		515	12	06	84	0	02															
	05	9966	502		515	14	06	84	1	03		1	5	5											
	08	9974	03		512	16	06	84	1	02	1	1	5	5											
	11	9973	12		504	04	07	84	7	03	2	1	5	5											
	14	9976	13		01	03	03	84	5	01	2	1	5	5	8										
	17	9975	13		501	05	05	82	7	03	2	1	5	5	7										
	20	9977	11		01	09	02	82	7	02	2	1	5	5	7										
	23	9974	11		01	09	02	82	7	02	2	1	5	5	7					12	20	108	0000	14	502
03	02	9965	10		02	12	01	82	7	02	2	1	5	5	7										
	05	9961	11		02	12	01	82	8	02	2	1	5	5	7										
	08	9958	13		03	12	03	81	8	02	2	8		7	7										
	11	9945	16		04	03	04	81	8	02	2	8		7	7										
	14	9931	15		06	25	02	81	8	03	2	3	4	4	7										
	17	9916	14		07	27	02	82	7	70	2	1	4	5	7										
	20	9894	11		08	23	10	82	7	02	7	1	4	5	7										
	23	9877	08		06	25	10	82	7	01	2	7		8	7					24	16	128	0000	16	06
04	02	9866	01		501	26	08	82	4	01	2	4		8	7										
	05	9858	02		501	25	04	82	7	03	1	7		8	7										
	08	9851	03		00	27	07	82	7	02	2	7		7	7										
	11	9849	02		00	31	06	82	7	02	2	7		7	7										
	14	9857	01		502	33	02	83	4	01	2	4		8	7										
	17	9862	501		505	31	05	83	3	01	1	3		8	6										
	20	9897	503		505	32	02	82	7	03	2	7		8	7										
	23	9925	502		504	03	08	82	8	02	2	8		8	7					24	16	164	0000	06	504
05	02	9951	501		503	03	09	82	8	70	7	8		8	7										
	05	9973	501		503	06	11	82	7	15	7	6	5	5	2										
	08	9987	03		01	05	17	82	7	02	2	6	5	5	2										
	11	10001	03		501	04	16	82	7	03	2	6	5	5	2										
	14	10004	03		502	04	16	82	6	01	2	4	5	5	2	1									
	17	10000	03		503	05	14	82	5	01	1	2	5	5	2	1									
	20	9999	01		508	14	04	82	6	03	1	2	5	5	7	6									
	23	9993	01		504	18	06	82	3	01	2	1	5	5	7	5				05	31	209	0000	04	502
06	02	9985	02		504	17	07	82	6	03	1	2	5	5	7	5									
	05	9978	05		506	18	14	81	8	03	2	7	5	5	7										
	08	9972	09		502	16	04	82	7	01	2	1	5	5	7										
	11	9967	16		03	17	03	84	3	01	1	2		8	4	2									
	14	9952	19		01	07	01	84	2	01	1	1		8	4	2									
	17	9934	11		503	14	04	84	1	01	2	0		9		5									
	20	9901	06		506	15	05	84	0	01	2	0													
	23	9887	05		509	13	01	84	0	02	2	0								18	19	329	0000	20	501
07	02	9870	03		512	11	06	84	0	02	2	0													
	05	9854	02		514	11	09	84	0	02	2														
	08	9834	09		510	11	08	84	0	02	2														
	11	9821	13		507	36	01	84	1	02	2	0		9		8									
	14	9808	13		503	26	02	84	1	02	2	0		9		8									
	17	9795	16		00	22	02	84	1	03	2	0		9		5									
	20	9792	08		509	13	03	84	1	02	2	0		9		5									
	23	9793	07		511	12	04	84	1	02	2	0		9		5				10	11	130	0000	16	02
08	02	9793	04		513	13	04	84	1	02	2	0		9		5									
	05	9798	05		514	10	02	84	2	02	2	0		9		5									
	08	9798	09		511	12	01	84	1	02	1	0		9		5									
	11	9797	15		508	01	01	84	2	02	1	0		9		5									
	14	9797	13		508	22	02	84	4	03	1	0		9		5									
	17	9800	16		503	18	01	84	2	01	1	0		9		5									
	20	9817	09		507	08	06	84	3	03	1	0		9		5									
	23	9823	07		510	07	03	84	2	01	1	0		9		5				08	24	114	0000	16	04
09	02	9826	08		508	05	14	84	3	03	1	0		9		5									
	05	9826	10		507	06	19	84	6	03	1	1		9	4	6									
	08	9825	15		503	06	22	84	6	03	1	3		9	8	5									
	11	9811	18		00	04	15	84	6	03	1	2		9	8	6									
	14	9784	21		01	06	15	82	7	03	1	6		8	2	1									
	17	9742	23		02	08	22	80	8	03	1	8		8	7										
	20	9706	22		00	06	32	80	8	02	2	8		8	7										
	23	9686	21		00	06	22	80	8	03	2	8	5	5	7					05	51	336	0000	23	08

Results of Surface Observations,
DAVIS — Oct., 1959

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	9654	20		501	05	30	80	8	02	2	8		8	7										
	05	9637	21		09	07	35	80	8	01	2	7		8	7	5									
	08	9651	21		15	05	51	40	8	03	2	8		8	7										
	11	9693	20		14	05	47	40	8	02	2	8		8	7										
	14	9711	20		14	05	32	80	8	02	2	1	5	5	7										
	17	9718	19		09	05	24	80	8	02	2	1	5	5	2										
	20	9725	18		06	05	17	80	8	02	2	1	5	5	2										
	23	9727	17		08	05	12	82	8	02	2	1	5	5	7					06	71	915	0000	22	16
11	02	9729	15		02	09	10	82	7	01	2	7		7	7										
	05	9729	13		01	09	05	82	8	02	2	8		7	7										
	08	9728	14		501	07	10	80	8	15	2	6	5	5	7										
	11	9721	16		01	06	16	80	8	01	2	2	5	5	7	8									
	14	9720	16		01	03	19	81	7	02	2	1	5	5	3	8									
	17	9719	14		00	03	17	82	5	01	1	2	5	5	4	9									
	20	9717	11		502	03	07	82	5	01	1	5		7	7										
	23	9717	10		503	07	06	82	5	02	1	5		7	7					04	28	559	0000	18	09
12	02	9718	07		507	12	01	83	3	01	1	3		7	7	1									
	05	9722	04		507	12	02	83	5	03	1	5		7	7	1									
	08	9721	09		505	07	06	83	6	03	2	6		7	7										
	11	9718	10		503	02	08	83	5	01	2	5		7	7										
	14	9715	12		502	36	09	83	5	02	2	5		7	7	4									
	17	9714	10		502	03	05	82	5	15	2	1	1	6	7										
	20	9711	08		503	03	01	83	4	01	1	1	1	6	7	1									
	23	9712	05		506	08	02	84	8	02	2	8	5	5						01	16	289	0000	12	03
13	02	9711	05		506	08	03	84	7	01	2	7	5	5	5										
	05	9710	05		506	10	02	84	6	01	2	5	5	5	4										
	08	9706	08		507	09	02	84	2	01	1	1	5	5	7										
	11	9688	09		501	29	03	84	1	02	1	1	1	5		5									
	14	9673	10		502	23	07	84	1	02	1	1	1	5		5									
	17	9653	10		00	19	10	84	1	02	1	1	1	5		5									
	20	9639	06		502	18	07	84	1	02	1			9		5									
	23	9625	07		507	11	04	84	0	02	1									23	14	164	0000	10	05
14	02	9629	05		509	09	07	84	0	02	1														
	05	9655	07		04	07	07	84	2	03	1	2	5	7											
	08	9679	10		00	00	00	84	5	03	2	5	5	5											
	11	9707	13		05	29	04	84	3	01	1	1	5	5	4										
	14	9737	13		07	01	07	84	2	01	1	1	5	5	4										
	17	9757	12		06	02	07	84	3	03	1	1	5	5		5									
	20	9784	10		06	20	02	84	6	03	2	6	5	6											
	23	9805	19		03	08	13	84	2	01	1	1	5	6		5				02	18	159	0000	19	05
15	02	9829	12		502	14	07	84	1	01	1	1		8	4										
	05	9844	10		503	12	11	84	0	01	0	0													
	08	9839	15		501	13	09	84	0	02	0	0													
	11	9835	18		02	14	10	84	0	02	0	0													
	14	9822	21		08	18	10	84	1	03	0	0		9		5									
	17	9807	18		04	15	21	84	1	02	0	0		9		8									
	20	9805	11		503	12	08	84	2	03	0	0		9		5									
	23	9811	08		506	09	07	84	4	03	1	0		9		6				16	30	209	0000	21	08
16	02	9825	07		505	07	08	84	6	03	1	0		9		6									
	05	9828	07		508	08	07	83	4	03	1	3	5	5	2	1									
	08	9847	11		507	06	10	84	2	01	1	1	5	6	8	1									
	11	9865	12		507	03	09	84	1	01	1	1		7	8	1									
	14	9903	12		504	02	09	84	1	02	0	1	4	6											
	17	9951	09		505	03	15	84	1	02	0	1	4	6											
	20	9967	05		506	05	03	84	1	02	0	1		9	4										
	23	10003	01		514	12	06	84	1	02	1	1		9	4					02	11	343	0000	13	01
17	02	10033	501		514	12	11	84	2	03	1	1		8	4	5									
	05	10039	01		511	11	09	84	2	02	1	1		8	4	5									
	08	10066	10		505	13	02	84	2	02	1	1		8	4	5									
	11	10076	15		502	11	06	84	2	02	1	0		9		5									
	14	10088	18		03	32	01	84	2	02	1	0		9		8									
	17	10088	18		01	07	01	84	4	03	1	0		9		5									
	20	10084	10		506	12	05	84	7	03	1	0		9		5									
	23	10067	06		509	12	04	83	7	02	2	0		9		6				11	19	332	0000	18	501
18	02	10041	05		510	11	07	82	7	03	2	4		8	2	5									
	05	10015	07		509	05	07	82	8	02	2	0		9		7									
	08	9988	10		505	01	03	82	8	02	3	0		9		7									
	11	9961	13		507	01	04	82	8	02	3	1		9	4	7									
	14	9939	11		504	36	02	82	8	03	2	3		9	7	7									
	17	9916	12		502	00	00	82	8	03	2	5		8	7	7									
	20	9897	13		04	00	00	82	8	15	2	5		7	2	8									
	23	9890	19		01	09	01	82	8	01	2	4		8	1	8				11	10	158	0000	14	05

Results of Surface Observations,
DAVIS – Oct., 1959

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	9885	13		01	06	04	82	8	02	2	4		8	1	9									
	05	9881	11		00	04	06	82	6	01	2	3		7	7	8									
	08	9874	12		01	02	05	82	7	03	2	7		8	7	1									
	11	9868	15		02	02	10	82	7	02	2	7		8	7										
	14	9862	15		02	02	12	82	7	03	2	7		8	7										
	17	9857	14		03	02	08	82	7	01	2	7		8	7										
	20	9852	12		02	06	03	82	4	01	1	4		8	7										
	23	9841	11		00	08	01	82	4	02	1	4		8	7					02	17	120	0000	15	10
20	02	9833	13		03	04	02	82	7	03	1	7		8	7										
	05	9803	18		05	04	08	82	7	03	2	1	5	5	9										
	08	9792	21		05	06	03	82	7	02	2	7		7	7										
	11	9777	24		09	07	09	81	7	70	2	7		7	7										
	14	9764	25		11	07	13	80	8	71	7	7		7	7										
	17	9758	25		10	07	03	82	8	01	2	7		8	7										
	20	9754	24		08	07	12	82	8	03	2	7		8	7										
	23	9744	23		07	09	14	82	8	02	2	8		8	7					07	20	216	0000	25	12
21	02	9748	23		08	08	12	82	8	02	2	1	5	5	7										
	05	9754	25		09	07	14	82	7	01	2	2	5	5	7										
	08	9759	25		08	06	11	82	7	01	2	7		8	9	1									
	11	9760	27		06	08	12	82	7	02	2	7		8	7										
	14	9760	27		05	07	07	82	6	01	2	6		8	4										
	17	9760	27		06	05	07	82	5	01	1	5		8	4	1									
	20	9768	20		03	13	01	83	5	01	1	4		8	4	1									
	23	9784	18		04	00	00	83	4	03	1	4		8	3					05	29	298	0002	28	12
22	02	9802	18		05	04	02	82	7	03	1	1	4	5	7										
	05	9815	18		04	05	02	84	7	03	2	7		7	7										
	08	9831	19		06	04	07	84	7	03	2	3	5	5	4										
	11	9834	20		07	02	10	82	7	03	2	7		7	7										
	14	9823	15		15	30	05	82	7	22	7	2	5	7	7										
	17	9824	13		04	26	09	82	7	02	7	7		7	7										
	20	9798	12		06	31	04	83	7	02	2	1	4	5	7										
	23	9774	13		03	09	03	81	8	70	2	8		7	7					03	13	169	0000	20	12
23	02	9757	12		08	09	05	81	8	70	7	8		7	2										
	05	9753	11		05	05	10	82	5	22	7	5		8	7										
	08	9758	12		04	02	06	82	7	02	2	7		7	7										
	11	9771	14		05	01	12	24		70	2														
	14	9787	14		09	04	09	32		71	7														
	17	9805	14		08	04	08	81	8	22	7	1	4	4	7										
	20	9828	12		10	01	01	82	7	02	2	1	4	4	7										
	23	9844	10		05	15	04	82	6	01	2	1	4	5	7					05	14	155	0000	14	03
24	02	9841	04		502	14	07	84	1	01	1	1	4	5											
	05	9844	07		501	06	08	84	6	03	0	1		9	4	6									
	08	9821	12		502	06	22	83	6	02	2	1		9	8	5									
	11	9808	14		00	06	24	82	8	03	2	1	4	6	4	7									
	14	9798	16		02	06	23	82	8	02	2	1	4	5	7	7									
	17	9786	15		01	06	24	82	8	02	2	1	4	5	7	7									
	20	9790	14		01	07	17	82	8	02	2	8		7	7										
	23	9783	14		01	06	21	82	8	02	2	8		7	7					06	39	227	0001	16	04
25	02	9771	15		00	06	24	82	8	02	2	8		7	7										
	05	9765	16		03	06	16	82	7	01	2	3	5	5	7										
	08	9748	19		04	04	26	82	7	01	2	2	5	5	7	5									
	11	9747	19		02	07	26	82	7	02	2	2	5	5	7	5									
	14	9740	19		01	07	17	80	8	03	2	2	5	5	7										
	17	9741	18		00	05	14	54	8	15	2	8		8	7										
	20	9743	15		00	06	19	81	7	01	2	1	4	5	7	2									
	23	9744	15		501	07	13	81	8	03	2	1	4	5	7	8				09	45	576	0000	19	12
26	02	9751	13		01	11	03	56	8	70	2	8		7	2										
	05	9754	12		03	04	12	81	7	03	7	5	5	6	7										
	08	9753	14		04	14	03	82	8	22	7	2	5	6	7										
	11	9753	15		03	32	05	82	7	01	7	4	5	6	7										
	14	9747	14		03	29	03	82	8	03	2	3	5	5	7										
	17	9741	15		05	20	08	82	8	03	2	6	5	5	7										
	20	9737	13		08	17	05	80	7	77	7	3	5	5	7										
	23	9738	12		07	18	06	80	8	71	7	2	5	5	7					09	17	324	0000	15	12
27	02	9745	12		07	01	03	82	8	22	7	1	1	5	7										
	05	9752	09		06	04	07	83	7	15	2	1	4	6	7										
	08	9764	08		02	04	12	81	8	03	2	7	4	5	7										
	11	9777	09		502	03	15	81	8	01	2	6	4	5	7										
	14	9786	10		501	02	13	82	8	01	2	6	4	5	7										
	17	9790	10		503	03	11	81	8	15	2	8	4	5											
	20	9793	10		00	04	08	81	8	15	2	8	4	6											
	23	9800	10		501	04	06	82	8	02	2	8	4	6						03	22	174	0000	12	07

Results of Surface Observations,
DAVIS — Oct., 1959

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	9800	09		501	04	04	82	7	01	2	7	4	6											
	05	9802	09		01	04	10	82	7	01	2	3	4	6	7										
	08	9808	09		00	03	08	82	7	02	2	2	4	5	7										
	11	9814	10		00	02	08	82	7	02	2	2	4	5	7										
	14	9833	10		00	35	05	82	7	02	2	2	1	6	7										
	17	9821	10		501	35	01	82	7	02	2	2	4	6	7										
	20	9822	10		03	02	01	82	8	15	2	2	5	5	7										
	23	9823	09		01	04	07	82	8	02	2	2	5	5	7					04	15	254	0000	10	09
29	02	9826	08		01	09	03	82	8	02	2	2	5	5	7										
	05	9823	09		02	07	01	82	8	15	2	1	5	5	7	5									
	08	9822	10		01	03	12	82	8	02	2	2	5	5	7										
	11	9825	13		02	04	14	82	8	15	2	2	5	5	7										
	14	9826	12		03	04	23	82	8	15	2	3	5	5	7										
	17	9825	12		06	03	14	82	8	77	2	4	5	5	7										
	20	9832	13		07	05	06	81	8	15	7	1	2	5	7										
	23	9831	14		04	06	24	40	8	70	2	8		7	2					08	37	144	0000	14	08
30	02	9829	15		04	06	24	81	8	02	2	8		7	2										
	05	9839	17		05	09	17	81	8	02	2	8		6	2										
	08	9837	19		07	07	19	82	8	15	2	5	5	5	2										
	11	9839	20		05	06	27	82	8	15	3	4	5	5	7										
	14	9843	22		03	06	26	80	8	02	2	3	5	5	7	7									
	17	9849	22		04	05	19	82	8	02	2	2		8	4	7									
	20	9855	19		02	09	08	82	8	02	2	1		8	4	7									
	23	9859	16		02	09	05	82	8	03	2	4	5	5	7					07	46	414	0000	22	14
31	02	9863	17		03	14	04	82	8	02	2	5		7	5	7									
	05	9857	17		17	19	05	04	8	73	7	8	6	4											
	08	9858	23		11	07	10	64	8	22	7	1	7	3	2										
	11	9865	25		11	07	16	64	7	15	3	1	7	3	2										
	14	9879	26		12	05	03	64	8	15	2	1	7	4	2	8									
	17	9893	26		12	08	08	64	8	15	2	1	7	4	2										
	20	9911	18		04	14	08	80	3	01	2	2		7	7	8									
	23	9917	13		00	14	09	81	1	01	1	1		7	4	4				07	29	342	0002	26	12

Results of Surface Observations,
DAVIS – Nov., 1959

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 x 10⁻¹	°F	°F	°F	°x10	kt	VV	Oktas	ww	W	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°x10	kt	St.miles	Points	°F	°F
01	02	9915	09		506	13	15	82	2	02	1	2			8	4									
	05	9908	09		506	13	13	83	2	02	1	2			7	6									
	08	9903	14		504	00	00	83	1	01	1	1	5	5	0	4									
	11	9893	15		01	00	00	83	1	03	1	1	5	5	0	5									
	14	9876	17		04	26	04	84	1	01	1	1	5	5	0	5									
	17	9865	18		06	22	09	84	1	01	0	0			0	5									
	20	9855	15		04	19	04	84	1	03	0	0			0	5									
	23	9855	15		03	11	03	84	3	03	1	0			0	5				13	20	228	0000	18	09
02	02	9861	14		03	09	03	84	5	03	1	0			4	6									
	05	9865	17		05	08	04	84	6	03	2	1	5	6	4	6									
	08	9870	24		07	04	14	84	5	01	1	0			4	6									
	11	9874	26		10	04	20	83	2	02	1	2	4	6	4	5									
	14	9878	27		14	02	10	84	5	02	1	4	4	6	4	1									
	17	9880	23		17	29	02	84	5	02	1	1	4	6	7	5									
	20	9896	25		13	04	03	84	6	02	1	0			7	5									
	23	9882	21		09	08	01	84	8	03	2	3	5	5	7					09	30	141	0000	27	14
03	02	9879	20		01	10	10	84	4	01	2	3	5	6	7	0									
	05	9872	19		501	11	08	84	1	01	1				7	1									
	08	9851	21		01	32	03	84	0	02	0	0			0	0									
	11	9819	24		06	30	03	84	0	02	0	0			0	0									
	14	9786	24		13	25	09	84	1	03	0	1	1	6	0	0									
	17	9770	25		17	23	08	84	1	03	0	1	1	6	0	0									
	20	9755	26		11	06	10	84	5	03	1	3	5	6	4	0									
	23	9739	26		06	09	17	84	7	03	1	3	5	6	5	0				09	30	184	0000	28	18
04	02	9722	21		02	10	11	84	3	03	1	1	5	6	4	4									
	05	9698	25		04	10	13	84	7	03	1	1			4	6									
	08	9679	26		06	07	17	83	7	03	2	1	0		7	6									
	11	9664	27		12	01	03	83	7	01	1	0			4	6									
	14	9643	26		17	25	07	82	7	02	2	0			7	6									
	17	9633	27		16	23	03	83	6	01	1	1	2	5	7	6									
	20	9638	25		11	04	12	83	4	01	1	0			8	5									
	23	9663	20		10	07	08	83	4	02	1	0			7	5				09	30	303	0000	30	20
05	02	9686	18		07	06	03	83	2	01	1	1	4	6	0	6									
	05	9706	19		07	06	06	84	2	02	1	0			7	6									
	08	9727	21		10	04	10	84	3	03	1	1	5	6	5	9									
	11	9746	23		13	03	17	80	3	05	1	1	5	6	4	0									
	14	9779	25		16	03	15	80	7	05	2	1	8	5	7	0									
	17	9808	24		15	03	17	80	8	05	2	5	5	5	7										
	20	9835	21		19	03	12	40	8	70	2	7	5	5	7										
	23	9855	20		18	05	16	40	8	70	7	6	5	5	7					04	25	210	0000	25	17
06	02	9880	20		19	04	08	40	8	71	7	8	5	5	5										
	05	9894	20		18	04	10	40	8	70	7	2	5	5	2										
	08	9909	21		19	04	06	80	8	70	7	5	5	6	2										
	11	9913	23		19	35	03	82	7	15	7	1	5	6	7	0									
	14	9906	24		16	31	02	82	7	01	2	1	5	5	7	0									
	17	9894	25		18	23	06	83	2	05	1	1	2	6	8	0									
	20	9877	23		15	20	07	83	1	01	1	0			4	0									
	23	9865	20		10	07	03	84	1	02	0	0			4	4				07	17	340	0000	25	15
07	02	9847	15		04	14	04	84	6	03	0	0			4	6									
	05	9823	15		00	14	05	84	2	01	1	0			0	8									
	08	9803	19		01	00	00	84	1	01	1	0			0	2									
	11	9788	19		06	29	03	84	3	03	1	0			0	1									
	14	9783	20		09	23	08	84	3	03	1	0			4	1									
	17	9787	18		14	23	08	84	5	03	1	0			5	0									
	20	9797	17		10	29	03	84	7	03	2	0			5	0									
	23	9814	19		13	05	03	83	7	02	2	0			7	0				23	10	121	0000	20	14
08	02	9832	16		09	04	18	80	8	03	2	3	7	4	2										
	05	9847	17		08	04	17	80	8	03	2	3	8	5	2										
	08	9854	18		06	04	17	80	7	02	2	2	5	5	7										
	11	9856	22		07	04	21	82	5	01	2	3	5	5	4	1									
	14	9852	20		07	03	18	82	8	03	2	5	8	5	7										
	17	9842	21		08	03	21	83	8	02	2	3	5	5	2										
	20	9832	19		10	05	20	80	7	70	7	0			2	2									
	23	9821	19		11	05	20	40	8	70	7	0			2					05	33	244	0000	22	16
09	02	9816	19		09	05	18	80	8	70	7	0			2	5									
	05	9819	20		06	05	12	83	7	15	2	0			7	0									
	08	9826	22		04	04	14	83	8	01	2	0			7	6									
	11	9834	21		07	36	09	83	1	01	1	0			7	0									
	14	9840	23		08	29	05	83	5	03	1	0			3	0									
	17	9841	21		14	26	06	82	7	03	1	0			5	0									
	20	9842	21		13	21	11	82	7	02	2	0			5	0									
	23	9845	17		13	22	16	83	1	01	1	0			4	0				05	30	480	0000	22	15

Results of Surface Observations, DAVIS — Nov., 1959

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	9848	07		509	13	12	84	3	03	1	0			0	5									
	05	9845	06		509	14	19	84	4	03	1	0			0	5									
	08	9842	14		503	14	17	83	4	02	1	0			0	6									
	11	9839	23		502	15	11	84	3	01	1	0			8	6									
	14	9831	21		08	23	14	84	4	03	1	0			8	5									
	17	9824	21		11	22	18	84	1	01	1	0			0	5									
	20	9819	19		15	21	09	84	1	02	2	0			0	8									
	23	9816	09		507	16	14	84	1	02	2	0			0	8				16	33	300	0000	24	05
11	02	9812	06		506	13	16	84	2	02	2	0			0	8									
	05	9817	09		508	13	08	84	2	02	1	0			0	8									
	08	9812	16		504	15	03	84	4	03	1	0			0	6									
	11	9811	18		502	32	03	84	7	03	2	0			0	6									
	14	9805	20		03	30	03	84	6	01	2	0			0	6									
	17	9802	20		04	30	03	84	4	01	2	0			0	5									
	20	9803	21		01	02	01	84	3	01	1	0			0	5									
	23	9817	19		503	05	11	84	3	02	1	0			0	5				13	24	328	0000	22	06
12	02	9830	17		508	08	13	83	5	03	1	0			0	6									
	05	9841	15		506	12	11	83	7	83	2	0			0	4									
	08	9841	19		503	02	09	83	7	03	2	0			3	0									
	11	9841	19		01	36	03	83	6	01	2	0			3	8									
	14	9839	21		03	26	04	83	6	83	2	0			0	8									
	17	9831	22		07	26	03	83	7	03	2	0			0	8									
	20	9833	22		03	04	11	83	7	02	2	0			0	8									
	23	9833	18		501	05	07	83	7	02	2	0			0	8				06	26	167	0000	23	15
13	02	9829	17		503	04	05	83	6	01	2	0			0	6									
	05	9821	16		504	03	03	83	6	02	2	0			4	6									
	08	9808	17		501	34	02	80	8	03	2	0			7										
	11	9794	19		03	30	04	80	8	02	2	0			7										
	14	9774	18		04	31	04	80	8	02	2	0			7										
	17	9764	19		07	27	04	80	8	02	2	0			7										
	20	9743	22		10	00	00	80	8	03	2	0			2										
	23	9741	21		00	06	12	80	8	02	2	0			2					05	29	155	0000	23	15
14	02	9748	19		501	06	14	80	8	02	2	0			2	5									
	05	9750	19		503	05	24	80	8	02	2	0			7	5									
	08	9761	22		01	06	20	80	8	02	2	0			7	6									
	11	9762	25		06	04	29	83	7	01	2	0			7	8									
	14	9770	26		10	03	24	83	6	01	2	1	4	6	7	5									
	17	9774	25		11	05	17	83	5	01	2	1	4	6	7	9									
	20	9781	22		11	07	14	83	6	03	1	2	4	5	7	5									
	23	9784	21		05	06	17	83	6	02	2	2	4	5	7	5				06	41	322	0000	27	19
15	02	9782	19		00	06	23	83	6	02	2	2	4	5	7	0									
	05	9774	19		503	05	28	83	6	03	2	3	4	5	7	0									
	08	9758	21		502	05	28	83	7	03	2	1	5	5	7	5									
	11	9744	19		04	02	16	83	8	03	2	1	5	5	7	1									
	14	9738	22		07	05	17	83	5	01	2	0			4	3									
	17	9730	22		07	04	21	83	5	01	1	0			4	5									
	20	9728	18		07	04	05	83	6	03	1	1	7	4	7	6									
	23	9731	18		03	05	07	83	7	02	2	4	0	8	7	6				02	40	758	0000	22	16
16	02	9733	18		503	07	14	83	7	03	2	2			7	6									
	05	9731	18		505	07	18	83	7	01	2	2			7	6									
	08	9725	19		504	05	23	83	7	02	2	2			7	6									
	11	9720	20		04	32	03	83	6	01	2	2			7	6									
	14	9712	21		05	01	04	83	6	02	2	2			7	6									
	17	9703	21		09	27	05	83	6	02	2	1	5	5	7	6									
	20	9688	23		01	08	13	83	4	01	1	0			7	6									
	23	9685	19		503	08	07	84	3	01	1	0			7	1				06	37	240	0000	25	17
17	02	9680	13		509	13	09	84	2	01	1	0			0	1									
	05	9673	14		507	13	10	84	2	02	1	0			0	1									
	08	9662	16		504	34	03	84	1	01	0	0			0	1									
	11	9653	17		501	25	06	84	1	02	1	0			0	8									
	14	9651	19		01	25	08	84	1	02	2	0			0	0									
	17	9650	21		04	21	11	84	1	02	2	1	4	6	4	2									
	20	9650	20		07	20	10	84	1	02	2	0			0	2									
	23	9660	17		02	08	05	84	0	01	0	0			0	0				09	17	196	0000	21	13
18	02	9688	15		501	09	05	84	0	02	0	0			0	0									
	05	9707	17		00	06	03	84	1	03	0	0			4	0									
	08	9716	16		04	27	02	84	1	02	0	0			4	0									
	11	9747	21		08	26	10	84	1	02	0	0			4	0									
	14	9776	23		11	25	10	84	0	01	0	0			0	0									
	17	9800	23		13	23	13	84	1	03	0	0			4	0									
	20	9825	22		13	22	05	84	1	03	0	0			0	5									
	23	9839	17		10	26	01	84	3	03	1	0			0	5				24	17	202	0000	24	15

Results of Surface Observations,
DAVIS – Nov., 1959

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	9848	18		06	06	05	84	4	03	1	0			3	6									
	05	9847	19		07	04	07	83	8	03	2	0			7	6									
	08	9830	22		08	03	12	82	7	01	2	0			7	6									
	11	9816	25		12	03	15	82	7	01	2	0			7	6									
	14	9802	23		12	01	06	82	8	02	2	0			7	6									
	17	9790	24		13	32	02	84	4	01	1	0			0	2									
	20	9766	25		09	05	05	84	1	03	0	0			4	5									
	23	9740	22		00	08	06	84	2	03	1	0			0	5				06	24	240	0000	26	18
20	02	9714	20		504	07	15	84	6	03	1	0			4	9									
	05	9676	20		506	08	21	84	6	03	1	0			7	6									
	08	9652	24		503	06	29	83	5	03	1	0			7	1									
	11	9638	25		502	04	24	83	5	02	1	0			7	6									
	14	9628	27		04	04	21	83	6	03	1	1	7	5	7	6									
	17	9625	27		06	04	10	83	5	01	1	0			7	6									
	20	9617	25		05	05	17	83	7	03	1	4	5	6	7	1									
	23	9600	22		04	09	25	82	7	03	2	3	5	5	7	0				09	46	378	0000	28	19
21	02	9573	22		05	09	28	83	8	03	2	2	5	5	7										
	05	9514	23		07	07	42	80	7	02	2	4	5	6	7										
	08	9517	24		07	08	44	80	7	02	2	3	7	4	7										
	11	9521	26		10	08	45	40	7	15	2	7	7	4	7										
	14	9534	29		12	08	45	54	6	01	2	3	8	4	9	2									
	17	9552	27		10	08	40	64	6	02	2	3	8	4	9	2									
	20	9581	25		11	08	83	80	7	03	2	2	8	4	7	2									
	23	9607	24		08	08	39	80	7	02	2	1	5	5	7	0				07	76	719	0000	29	21
22	02	9629	24		08	08	32	80	7	02	2	1	5	5	7	5									
	05	9643	23		09	07	30	80	6	01	2	2	5	5	7	0									
	08	9651	26		10	08	27	81	6	02	2	2	5	5	7	0									
	11	9661	29		13	07	24	82	6	01	2	1	4	5	7	0									
	14	9670	31		17	05	30	80	8	03	2	1	8	4	7										
	17	9679	31		17	07	25	80	8	15	2	1	5	4	7										
	20	9703	29		19	06	17	80	8	03	2	5	5	4	7										
	23	9718	27		19	06	16	80	8	03	2	1	5	5	7					08	50	1078	0000	32	23
23	02	9727	27		17	07	22	80	8	15	2	1	5	5	7										
	05	9737	27		16	07	21	80	8	15	2	3	5	5	7										
	08	9738	28		17	07	36	80	8	14	2	2	5	5	7										
	11	9751	28		18	06	32	80	8	15	2	1	5	5	7	5									
	14	9761	29		19	05	30	80	8	15	2	4	5	5	7										
	17	9765	28		18	06	25	80	7	01	2	1	5	5	7	0									
	20	9769	27		17	05	24	82	5	01	1				7	2									
	23	9780	24		14	08	09	82	5	01	1	2	5	5	7	0				07	51	651	0000	29	24
24	02	9780	22		11	06	16	82	7	03	1	4	5	5	7	0									
	05	9775	24		13	08	08	82	7	03	2	6	5	5	7	0									
	08	9772	24		14	02	13	82	7	03	2	6	5	5	7	1									
	11	9769	24		13	02	14	82	7	03	2	5	5	5	7	0									
	14	9766	21		19	02	14	40	7	70	2	1	5	5	7	0									
	17	9763	21		20	04	10	40	8	70	7	1	5	5	7										
	20	9758	20		19	04	12	16	7	71	7	2	5	5	7	0									
	23	9759	19		18	07	10	08		73	7									07	27	551	0000	25	19
25	02	9761	18		15	05	09	24	8	71	7	1	5	4	7	0									
	05	9763	19		14	06	10	82	7	22	7	4	5	5	7	0									
	08	9769	20		13	06	05	82	7	02	7	1	2	5	7	0									
	11	9774	24		13	02	11	82	6	01	2	1	5	5	7	0									
	14	9784	25		12	02	11	83	4	01	2	1	2	5	7	0									
	17	9791	23		10	03	10	83	2	01	1	1	2	5	4	0									
	20	9798	19		09	02	02	83	4	03	1	0			7	0									
	23	9804	19		10	04	02	84	4	01	1	0			3	0				04	16	276	0003	25	18
26	02	9816	19		09	00	00	84	6	03	1	1	5	5	3	0									
	05	9816	21		20	09	06	08	8	73	7	0			2										
	08	9817	23		19	04	18	40	7	36	7	0			7	0									
	11	9821	24		21	05	21	08	8	71	7	0			2	0									
	14	9827	27		14	04	27	40	6	15	7	1	4	5	7	1									
	17	9828	27		16	04	26	40	6	15	2	2	5	5	7	0									
	20	9823	26		12	04	22	64	7	02	2	0			7	0									
	23	9818	23		501	06	12	82	6	01	2	3	5	6	7	5				05	41	195	0002	28	15
27	02	9796	18		502	14	09	83	3	01	2	0			7	0									
	05	9771	21		502	13	08	84	3	02	1	0			7	5									
	08	9727	24		503	10	09	84	6	03	2	0			7	5									
	11	9697	25		05	34	06	84	7	03	2	2			7	6									
	14	9664	24		06	26	07	84	7	03	2	2	5	5	0	6									
	17	9638	24		09	24	07	83	7	03	2	2	0		7	6									
	20	9608	25		15	21	10	83	7	15	7	4	5	5	7	5									
	23	9566	27		08	15	05	83	2	03	1	0			4	5				21	17	430	0000	25	18

Results of Surface Observations,
DAVIS – Nov., 1959

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	9583	22		12	27	01	83	5	03	1	4	5	5	4	5									
	05	9611	20		17	25	08	16		72	2														
	08	9650	18		17	31	10	80	7	01	7	7	5	5	0	0									
	11	9710	23		15	01	12	82	5	01	2	5	8	6	8	0									
	14	9754	26		11	01	06	83	2	01	1	2	8	6	8	0									
	17	9780	27		10	04	08	83	3	03	1	2	8	6	7	0									
	20	9809	25		10	04	12	82	6	16	1	5	5	5	5	0									
	23	9834	24		10	06	10	81	6	02	2	3	5	5	7	0				06	24	182	0000	27	17
29	02	9856	24		11	07	09	81	7	02	2	2	5	5	7	1									
	05	9871	25		09	20	03	82	5	01	2	2	5	6	7	0									
	08	9883	26		11	21	11	83	6	03	1	0			7	5									
	11	9890	27		13	22	14	83	7	03	2	1	5	5	0	6									
	14	9900	27		14	24	14	83	7	02	2	0			4	6									
	17	9900	27		20	23	15	83	4	01	1	0			0	5									
	20	9904	24		20	23	09	84	2	01	1	0			0	5									
	23	9902	23		18	22	04	84	1	01	1	0			0	5				07	24	289	0000	27	20
30	02	9904	20		10	18	04	84	1	01	1	0			0	5									
	05	9909	26		06	07	11	84	1	02	1	0			0	5									
	08	9911	24		20	02	04	84	1	02	1	0			4	5									
	11	9912	25		21	31	05	84	1	02	0	0			4	0									
	14	9907	26		16	24	07	84	1	02	0	0			0	0									
	17	9900	29		15	23	10	84	1	03	1	1	5	5	0	5									
	20	9888	29		14	20	07	84	2	02	1	0			0	6									
	23	9875	24		20	24	09	84	2	02	1	0			0	5				09	15	270	0000	29	20

Results of Surface Observations,
DAVIS – Dec., 1959

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	9858	24		05	06	06	84	4	03	1	0	0	9	0	6									
	05	9844	25		501	05	06	84	5	03	1	0	0	9	0	6									
	08	9813	25		07	01	07	84	2	01	1	0	0	9	0	5									
	11	9788	25		07	32	04	84	1	01	1	0	0	9	0	5									
	14	9777	25		10	24	09	84	1	01	1	0	0	9	0	5									
	17	9767	26		10	23	11	84	1	01	1	0	0	9	0	5									
	20	9758	25		12	22	09	84	0	02	0	0	0	9	0	0									
	23	9759	23		15	22	03	84	0	02	0	0	0	9	0	0				23	16	213	0000	27	22
02	02	9768	20		07	04	10	84	1	02	0	1	4	6	0	0									
	05	9782	20		12	03	03	84	3	03	1	1	4	6	7	0									
	08	9786	25		10	04	12	84	1	01	1	1	4	6	0	0									
	11	9798	27		12	03	15	84	3	03	1	1	8	6	0	1									
	14	9816	28		15	03	15	84	2	02	1	2	8	6	0	1									
	17	9817	27		16	02	10	84	3	03	1	2	8	6	4	1									
	20	9823	25		13	04	08	84	3	03	1	2	4	6	7	0									
	23	9840	25		13	05	08	82	7	03	2	5	5	6	7					04	22	234	0000	29	19
03	02	9859	24		16	06	12	82	7	02	2	5	5	6	7										
	05	9869	25		17	03	16	82	7	03	2	6	5	5	7										
	08	9880	24		15	04	24	81	7	14	2	7	5	5	7										
	11	9895	26		13	04	20	81	7	15	2	7	5	5	7										
	14	9908	27		16	05	24	82	7	02	2	6	5	5	7										
	17	9908	28		16	05	17	82	7	01	2	2	5	6	7										
	20	9913	27		15	04	11	82	7	03	2	4	5	6	7	2									
	23	9914	26		19	07	11	82	8	03	2	6	8	4	7					07	44	966	0000	28	24
04	02	9911	25		22	07	11	08		70	7														
	05	9898	25		19	07	17	24	8	70	7	8	0	6	2										
	08	9889	27		16	06	21	21	8	70	7	8	0	6	2										
	11	9884	28		15	06	23	16	8	70	7	7	0	6	2	5									
	14	9872	30		17	07	23	24	8	15	7	7	0	6	2	5									
	17	9863	29		15	05	26	24	8	15	7	7	0	6	2										
	20	9854	28		15	05	22	40	8	02	2	8	0	6	7										
	23	9849	27		14	06	24	64	8	02	2	8	0	7	7					07	44	460	0000	30	24
05	02	9845	27		11	05	20	80	8	15	2	1	5	5	7										
	05	9842	27		15	07	22	80	8	15	2	8	0	7	7										
	08	9838	28		14	06	27	80	8	15	2	1	7	4	7										
	11	9836	30		15	07	36	80	8	02	2	1	7	4	7										
	14	9843	31		16	06	24	80	8	15	2	4	1	4	7										
	17	9848	29		18	05	16	80	8	15	2	8	0	7	4	2									
	20	9856	27		22	04	07	24	8	77	7	8	6	4											
	23	9861	26		24	02	02	16	8	71	7	8	6	4						07	44	626	0000	31	26
06	02	9865	28		23	05	02	24	8	71	7	8	0	6	2										
	05	9873	30		18	07	12	24	8	71	7	8	0	6	2										
	08	9866	32		14	08	13	80	8	15	7	8	0	6	7										
	11	9865	34		15	06	18	40	7	70	2	7	0	6	7										
	14	9866	31		26	33	02	80	7	01	7	1	7	5	7										
	17	9861	32		22	02	05	81	7	02	2	1	7	5	7										
	20	9856	30		27	22	03	82	5	01	1	1	4	6	7	0									
	23	9860	29		19	07	05	83	2	01	1	2	0	7	4	0				09	31	385	0000	33	26
07	02	9870	29		16	07	11	83	4	02	2	1	8	5	7	8									
	05	9871	32		16	07	17	82	6	03	1	4	5	5	7	0									
	08	9872	32		20	03	12	80	7	15	2	2	5	5	7										
	11	9871	33		23	02	08	82	7	01	2	3	8	4	7	5									
	14	9877	34		25	03	14	82	7	03	2	4	8	4	7	5									
	17	9885	34		23	04	13	80	7	03	2	5	5	5	7										
	20	9897	33		24	04	07	82	6	01	2	4	8	4	7	1									
	23	9905	31		25	04	07	82	7	03	2	6	8	4	7					07	34	259	0000	35	29
08	02	9913	30		28	19	06	80	8	22	7	4	5	6	7										
	05	9924	32		16	10	05	83	7	01	2	7	0	8	7										
	08	9924	34		18	04	04	80	8	02	2	8	0	8	7										
	11	9923	34		22	01	08	82	6	01	2	3	8	6	7	1									
	14	9920	36		22	01	08	82	5	01	1	3	8	6	7	1									
	17	9919	35		23	01	08	82	6	03	2	4	8	6	7	1									
	20	9919	32		25	23	01	82	4	01	1	2	8	7	7	5									
	23	9922	32		21	00	00	82	3	01	1	1	5	6	7	0				04	17	243	0000	37	30
09	02	9933	33		20	06	05	82	8	03	2	4	5	6	7										
	05	9938	33		20	07	04	82	8	70	7	6	5	6	7										
	08	9942	32		25	03	11	82	7	70	7	5	5	6	7										
	11	9937	34		28	35	06	83	6	01	2	3	8	5	7	9									
	14	9933	31		27	24	06	83	7	22	7	5	5	6	7										
	17	9925	32		29	23	08	83	7	02	2	5	5	6	7										
	20	9912	32		29	22	08	83	7	03	2	7	0	7	3	0									
	23	9901	31		21	15	07	84	1	01	1	1	0	7	4	0				04	16	174	0000	34	29

Results of Surface Observations,
DAVIS – Dec., 1959

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	9889	30		17	08	03	84	0	01	3	0	0	9	0	0									
	05	9892	30		19	03	04	84	0	02	3	0	0	9	0	0									
	08	9877	31		19	35	03	84	0	02	3	0	0	9	0	0									
	11	9867	32		17	27	03	84	0	02	3	0	0	9	0	0									
	14	9857	31		20	24	06	84	1	03	3	0	0	9	0	1									
	17	9848	31		23	24	07	84	1	03	3	0	0	9	4	1									
	20	9835	32		20	22	04	84	1	01	3	0	0	9	0	0									
	23	9828	28		27	22	02	84	1	02	3	1	0	8	4	0				23	09	170	0000	33	27
11	02	9826	27		24	04	03	84	2	03	1	1	5	6	4	1									
	05	9823	28		20	03	07	84	3	03	1	2	5	7	0	1									
	08	9822	29		24	01	13	83	4	03	1	3	5	6	4	1									
	11	9825	30		24	02	13	83	3	03	1	2	5	6	0	0									
	14	9828	31		24	01	16	83	2	01	1	2	4	6	4	0									
	17	9829	31		22	34	05	83	2	01	1	2	4	6	0	0									
	20	9828	29		24	01	05	83	1	01	1	2	4	6	0	0									
	23	9830	27		23	02	06	83	2	03	1	2	5	5	0	0				02	17	175	0000	32	26
12	02	9841	27		20	05	08	83	5	03	1	5	5	5	0	0									
	05	9849	28		18	04	03	82	8	03	2	6	5	5	7										
	08	9859	29		20	35	06	82	7	01	2	6	5	5	7										
	11	9867	30		21	01	10	82	7	02	2	6	5	6	7										
	14	9873	31		19	01	09	83	6	01	2	5	5	6	0	5									
	17	9875	31		20	01	09	83	4	01	1	2	5	6	4	6									
	20	9883	30		22	02	05	83	6	03	1	4	5	6	7										
	23	9888	28		21	03	04	83	7	03	2	4	5	6						03	16	207	0000	32	26
13	02	9888	27		22	00	00	83	7	02	2	4	5	6	7										
	05	9888	28		24	00	00	83	7	02	2	4	5	6	7										
	08	9888	29		24	29	02	83	7	14	2	3	5	6	7										
	11	9882	29		23	32	03	82	8	70	7	6	5	6	7										
	14	9879	30		22	36	03	82	8	22	7	5	5	6	7										
	17	9869	31		24	01	07	82	8	02	2	5	5	6	7										
	20	9861	29		25	04	10	24	8	02	2	5	8	4	7										
	23	9853	29		23	05	14	40	8	72	2	7	8	4	7										
14	02	9848	29		21	05	10	81	7	01	2	2	8	4	7										
	05	9839	31		15	05	10	82	6	01	1	1	8	4	7	9									
	08	9828	31		16	02	07	83	5	01	1	1	8	5	7	8									
	11	9821	31		23	34	06	83	5	02	1	1	8	5	7	8									
	14	9824	32		23	00	00	83	7	03	2	1	8	5	0	8									
	17	9825	31		23	25	01	83	7	02	2	1	8	5	0	8									
	20	9832	30		25	24	02	83	3	01	1	1	8	5	0	1									
	23	9843	26		23	23	03	84	1	01	0	1	0	8	4	0				05	20	222	0000	32	26
15	02	9857	25		15	07	03	84	1	03	0	1	0	8	4	0									
	05	9861	25		20	00	00	84	1	03	1	1	0	8	4	5									
	08	9864	29		20	30	03	84	1	02	1	1	0	9	4	5									
	11	9867	31		20	01	08	84	2	03	1	2	8	5	4	0									
	14	9867	32		18	01	09	84	2	03	1	2	5	5	4	5									
	17	9865	32		18	03	07	84	3	03	1	2	5	6	0	1									
	20	9853	30		20	03	12	82	6	03	1	5	5	7	0	1									
	23	9852	31		17	05	10	82	6	02	2	5	0	7	7	1				05	17	130	0000	32	25
16	02	9845	30		18	03	06	82	8	03	2	1	5	5	7										
	05	9850	31		12	09	06	82	8	15	2	1	4	5	7	7									
	08	9855	32		18	06	09	40	8	71	7	8	0	7	7	2									
	11	9861	34		22	08	03	80	8	70	7	8	0	7	7	7									
	14	9868	35		25	02	10	80	8	22	7	8	0	7	7	7									
	17	9870	32		26	22	10	80	7	15	7	2	5	5	7	8									
	20	9871	33		24	22	07	82	5	14	1	2	5	5	8	5									
	23	9872	34		14	07	09	83	7	14	2	2	5	8	9	2				08	25	286	0000	35	29
17	02	9872	30		12	07	11	82	4	01	2	1	4	6	7	2									
	05	9868	31		12	07	13	83	5	03	1	2	5	6	4	5									
	08	9860	35		11	05	09	83	4	01	1	1	4	6	0	5									
	11	9852	35		16	02	13	83	5	03	1	2	4	6	3	5									
	14	9850	32		21	24	04	83	5	02	1	1	4	6	5	5									
	17	9845	32		22	24	11	83	5	02	1	1	4	6	0	5									
	20	9833	30		26	24	09	83	5	02	1	1	4	6	4	1									
	23	9829	31		23	05	03	84	2	02	1	1	4	6	8					07	20	281	0001	36	27
18	02	9835	27		19	04	04	84	2	02	1	1	0	8	4	1									
	05	9839	28		16	04	07	84	1	01	1	1	4	8	0	1									
	08	9848	31		18	02	10	84	1	02	1	1	0	9	0	5									
	11	9849	33		20	01	10	84	2	03	1	1	4	6	0	5									
	14	9860	34		21	36	07	84	4	03	1	1	8	6	4	2									
	17	9863	34		22	34	04	84	6	03	1	1	8	5	0	2									
	20	9869	32		22	36	02	83	6	03	2	1	4	5	7	6									
	23	9877	30		22	02	03	83	7	03	2	1	8	5	2	6				04	18	163	0000	35	27

Results of Surface Observations,
DAVIS – Dec., 1959

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	9900	32		21	04	06	82	8	15	2	1	8	5	7										
	05	9906	32		19	04	01	82	7	15	2	1	8	5	7	1									
	08	9923	33		23	01	09	84	6	01	1	1	8	5	7	5									
	11	9930	35		24	01	09	84	4	01	1	1	8	5	5	5									
	14	9949	34		26	01	07	84	7	13	2	3	5	5	5	5									
	17	9954	34		26	35	07	80	7	15	2	3	8	5	5	7									
	20	9962	30		28	30	02	82	7	70	7	4	2	5	5	7									
	23	9967	30		27	00	00	83	4	01	2	2	5	5	7	0				02	17	218	0000	35	29
20	02	9959	29		19	20	04	84	4	01	1	1	8	6	4	2									
	05	9946	29		16	02	03	84	3	01	1	1	4	6	7	8									
	08	9930	32		20	02	10	83	5	03	1	1	4	5	7	6									
	11	9927	35		21	02	13	83	6	03	1	4	8	5	7	0									
	14	9932	33		26	02	11	83	8	03	2	4	8	5	7										
	17	9936	32		24	02	08	83	7	15	2	3	8	5	7										
	20	9942	30		25	36	04	83	7	14	2	5	8	4	5										
	23	9957	30		24	05	07	83	5	01	2	4	8	5	4	0				05	17	158	0000	35	27
21	02	9966	30		24	06	04	83	7	03	1	7	8	5											
	05	9979	30		26	01	03	82	8	15	2	5	8	5	7										
	08	9986	31		27	34	01	82	7	01	2	3	8	5	7	5									
	11	9991	31		29	25	07	83	6	01	2	4	8	5	7	5									
	14	9993	32		27	23	11	84	3	01	1	1	8	5	0	9									
	17	9985	34		25	21	15	83	5	03	1	1	5	6	8	8									
	20	9974	32		27	22	11	82	7	03	2	3	5	6	7										
	23	9969	31		28	22	04	82	8	03	2	1	5	6	7					24	18	183	0000	34	29
22	02	9972	32		29	00	00	82	8	02	2	1	5	6	7										
	05	9974	37		29	04	05	82	8	02	2	8	0	9	7										
	08	9981	37		29	04	10	82	8	02	2	8	0	9	7										
	11	9983	37		25	02	11	82	7	15	2	6	0	8	7	5									
	14	9981	37		23	04	10	82	7	14	2	6	0	8	7	5									
	17	9977	39		23	02	09	82	7	14	2	3	5	7	5										
	20	9973	36		26	36	02	83	2	01	2	2	0	9	7	0				04	23	222	0000	42	31
	23	9966	37		22	08	03	84	1	01	1	1	0	9	7	0									
23	02	9969	35		18	04	05	84	1	02	1	0	0	9	0	5									
	05	9967	37		16	06	13	84	1	02	1	0	0	9	0	5									
	08	9958	41		16	06	21	84	1	02	0	0	0	9	0	1									
	11	9952	44		16	05	17	84	1	02	0	0	0	9	0	1									
	14	9943	41		20	02	04	84	2	03	1	2	0	9	4	0									
	17	9934	44		18	07	15	84	2	02	1	2	0	9	4	1									
	20	9933	36		24	33	04	84	2	02	1	2	0	9	7	0				06	34	274	0000	45	34
	23	9932	38		21	04	03	84	1	03	0	1	5	5	4										
24	02	9927	35		18	10	03	84	4	03	1	2	0	8	4	1									
	05	9931	36		18	03	03	84	1	01	1	1	0	8	4	1									
	08	9930	37		21	01	12	84	2	13	1	1	0	8	4	4									
	11	9930	39		22	02	13	84	2	03	1	1	0	8	4	6									
	14	9938	37		23	01	07	84	3	03	1	0	0	9	0	2									
	17	9939	38		21	02	06	84	2	01	1	1	1	6	0	2									
	20	9939	36		23	01	03	84	3	01	1	0	0	9	0	1									
	23	9942	35		24	19	01	84	1	01	1	0	0	9	0	1				06	26	259	0000	40	33
25	02	9930	32		23	00	00	84	1	02	1	1	0	9	8	1									
	05	9952	32		22	02	01	84	1	02	1	1	0	9	8	1									
	08	9958	35		22	02	06	84	1	03	1	0	0	9	0	1									
	11	9957	35		22	32	03	84	1	01	1	0	0	9	0	1									
	14	9964	34		25	24	03	84	1	01	1	0	0	9	0	1									
	17	9964	34		27	25	05	84	1	02		0	0	9	0	1									
	20	9961	38		23	20	05	84	1	03	1	0	0	9	0	1				04	10	171	0000	38	30
	23	9973	33		27	00	00	84	1	02	1	0	0	9	0	5									
26	02	9981	33		18	04	06	84	1	02	1	0	0	9	0	5									
	05	9989	32		14	04	15	84	1	02	1	0	0	9	0	5									
	08	9991	34		14	02	20	84	1	02	1	0	0	9	0	1									
	11	9998	35		19	02	12	84	1	02	1	0	0	9	0	5									
	14	10011	35		21	02	10	84	1	02	1	0	0	9	0	5									
	17	10020	35		24	02	09	84	1	02	1	0	0	9	0	5									
	20	10031	34		25	02	03	84	1	02	1	0	0	9	0	5									
	23	10040	34		25	04	02	84	1	02	1	0	0	9	0	5				02	27	210	0000	37	31
27	02	10051	31		21	05	10	84	1	03	0	1	5	5	4	0									
	05	10053	32		21	04	16	84	2	03	1	2	5	5	0	5									
	08	10058	33		21	02	17	84	3	03	1	3	8	6	0	5									
	11	10057	34		23	02	15	84	2	03	1	2	5	6	0	5									
	14	10058	35		24	02	12	84	1	01	1	1	5	6	0	5									
	17	10051	34		24	01	10	84	2	03	1	1	5	6	0	5									
	20	10045	33		25	02	10	84	3	03	1	2	5	5	0	5									
	23	10046	31		26	05	17	81	7	03	2	7	5	5	0	1				06	39	306	0000	36	31

Results of Surface Observations,
DAVIS – Dec., 1959

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	10042	31		24	06	17	81	8	03	2	7	5	5	7										
	05	10033	31		21	05	23	80	8	02	2	7	5	5	7										
	08	10024	32		23	05	24	80	8	02	2	3	5	5	7										
	11	10009	32		22	05	27	40	8	22	7	7	5	5											
	14	9979	33		21	05	24	80	8	15	2	6	8	4	2										
	17	9942	31		25	05	33	40	8	16	2	7	5	5	2										
	20	9924	32		29	06	28	16	8	70	7	8	5	5	2										
	23	9868	32		26	05	45	16	8	22	7	7	5	5	2				05	77	311	0000	33	30	
29	02	9867	34		26	05	60	24	8	16	2	5	8	4	7										
	05	9880	33		26	05	45	16	8	16	2	6	8	4	2	5									
	08	9880	35		26	05	56	24	8	02	2	6	7	4	2										
	11	9894	34		24	05	49	16	8	03	2	1	7	2	2										
	14	9916	36		25	05	41	24	7	01	2	1	7	4	7										
	17	9928	36		23	05	37	40	7	01	2	1	7	4	7										
	20	9947	35		22	05	30	40	8	70	2	2	5	5	7	5									
	23	9956	34		21	05	25	40	8	02	2	2	7	5	7				05	86	1040	0000	37	32	
30	02	9963	33		24	05	24	80	8	02	2	8	0	8	7										
	05	9969	35		28	05	27	82	7	01	2	5	5	5	7	5									
	08	9972	35		28	05	23	82	7	12	2	4	5	5	2	5									
	11	9984	35		29	04	26	82	8	70	7	7	5	5	2										
	14	9985	35		31	05	16	24	8	71	7	7	5	5	2										
	17	9972	35		31	04	17	81	7	15	7	4	5	5	7										
	20	9957	34		31	03	10	81	7	01	2	4	5	5	7	5									
	23	9950	32		30	00	00	82	7	02	2	4	5	5	7	5			06	43	840	0000	36	32	
31	02	9894	33		18	11	06	83	6	01	2	3	5	5	7	5									
	05	9875	36		15	05	08	83	7	03	2	1	5	5	7	6									
	08	9845	39		10	05	16	84	6	01	2	1	0	8	4	3									
	11	9827	41		12	05	20	84	4	01	2	1	0	8	4	1									
	14	9815	42		15	05	23	84	5	03	1	1	0	8	8	4									
	17	9807	37		19	02	06	84	5	03	1	1	0	8	4	5									
	20	9799	35		21	06	10	83	7	03	2	4	8	4	7	5									
	23	9806	34		16	07	12	82	7	01	2	4	5	5	7				07	30	315	0000	42	32	

Results of Surface Observations,
MACQUARIE – JAN., 1959

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	9908	40	39	39	08	06	40	8	63	6	3	6	3	2		2								
	04	9848	41	41	41	13	03	40	8	61	6	8	6	2			3								
	07	9828	41	40	40	12	10	80	8	60	6	5	6	3	2		3								
	10	9825	40	39	38	22	08	80	8	02	2	8	5	5			5								
	13	9820	44	42	39	23	10	80	7	03	1	3	2	4	1		5								
	16	9783	43	41	38	29	03	80	7	03	6	2	2	4	1		6								
	19	9774	40	39	38	00	00	64	8	61	6	5	7	4	2		5								
	22	9815	40	39	38	11	13	64	8	61	6	8	6	4	2		3			22	23	232	0031	45	39
02	01	9844	39	37	34	11	16	80	5	01	2	5	6	4	0	0	3								
	04	9907	39	37	34	13	14	80	6	02	2	6	8	4	0	0	3								
	07	9932	41	38	33	14	10	81	6	02	2	6	8	4	0	0	4								
	10	9973	42	39	34	17	09	81	4	00	1	4	2	4	0	0	4								
	13	9990	45	41	34	17	05	81	5	03	1	5	2	4	0	0	5								
	16	10009	43	39	33	22	12	81	6	03	1	6	2	4	0	0	5								
	19	10018	41	38	33	22	12	81	7	03	8	7	2	4	0	0	5			22	27	235	0021	46	37
	22	10025	40	37	32	22	16	80	7	03	7	7	2	4	5	0	5								
03	01	10004	41	39	36	26	16	64	8	03	2	8	5	5	4		6								
	04	9970	42	41	40	27	26	64	8	62	6	1	6	4	7		6								
	07	9950	43	42	41	27	30	64	8	63	6	2	6	4	2		6								
	10	9956	42	39	32	22	22	80	7	03	1	7	2	4			5								
	13	9970	41	38	33	22	26	64	7	25	8	3	8	4	0		5								
	16	9971	42	38	30	24	26	80	6	25	8	6	2	4	0	0	5								
	19	9973	39	37	35	23	28	80	6	27	8	6	2	4			5								
	22	9986	40	36	29	22	38	64	8	03	1	8	5	4			5			22	54	383	0007	44	38
04	01	10000	39	35	26	23	35	40	8	03	1	8	5	4			5								
	04	10030	39	35	29	27	37	80	4	03	0	4	2	6	0	0	5								
	07	10036	39	37	33	27	26	80	6	03	1	6	2	6	0	0	5								
	10	10099	42	39	32	22	12	80	6	03	2	6	2	5	0	0	5								
	13	10121	43	40	35	14	10	80	5	25	2	5	2	5	0	0	5								
	16	10153	46	41	34	24	05	81	5	03	2	5	2	4	0	0	5								
	19	10187	42	39	35	18	03	80	7	03	2	7	2	5	4		5			22	63	402	0005	47	37
	22	10213	41	38	33	22	05	80	8	03	2	8	2	5	4		5								
05	01	10223	40	37	32	22	03	64	8	03	2	8	5	4	4		5								
	04	10245	40	37	32	26	05	80	7	03	2	7	4	5	5		6								
	07	10252	41	38	33	28	04	80	7	02	2	7	4	5	6		7								
	10	10263	44	41	37	31	06	81	7	02	2	7	4	6	9	5									
	13	10265	48	43	38	31	09	81	4	01	0	0	0	9	9	5									
	16	10260	47	45	42	31	07	81	6	03	2	0	0	9	9	3									
	19	10262	45	44	43	31	11	81	6	03	2	0	0	9	6	3	0	0							
	22	10248	44	43	42	32	07	81	3	01	0	0	0	6	3	3	0	0		27	17	280	0000	48	39
06	01	10264	44	43	42	31	12	81	2	01	2	0	0	9	4	3	0								
	04	10258	43	43	43	27	10	81	3	01	0	1	6	4	3	1	0								
	07	10252	45	44	43	27	11	81	6	03	1	6	2	4	4	0	0								
	10	10252	46	44	41	27	10	81	8	03	2	8	4	4	6		6								
	13	10249	49	45	40	34	06	81	7	03	2	7	6	4	5		7								
	16	10239	48	45	41	35	10	81	6	01	2	6	6	4	5	0	8		7						
	19	10219	46	44	41	00	00	81	6	03	2	6	5	4	4	0	8								
	22	10212	44	43	41	00	00	64	5	05	1	5	2	4	0	0				35	21	261	0000	50	43
07	01	10186	45	44	42	36	05	64	6	03	2	6	2	4	0	0									
	04	10153	45	44	42	01	04	64	8	01	2	8	6	2			7								
	07	10134	45	44	43	01	08	64	8	03	2	8	6	2			8								
	10	10118	46	45	44	36	15	64	8	45	2	8	6	3			8								
	13	10089	47	45	44	35	17	80	8	03	2	3	6	3	2		8								
	16	10049	46	46	46	36	07	08	8	61	2	3	6	3	2										
	19	10010	47	47	47	32	25	02	8	63	6	8	0	3	2					32	52	196	0000	48	44
	22	10000	47	47	47	32	25	02	8	61	6	8	0	3	2										
08	01	9995	45	45	45	31	16	02	8	47	4	8	6	1	0	0	7								
	04	10005	42	42	42	31	16	81	1	01	1	1	6	3	0	0	7								
	07	10016	46	45	43	31	23	81	3	03	1	3	6	3	0	0	7								
	10	10034	47	46	45	31	24	81	1	01	0	1	6	4	0	0	7								
	13	10050	48	45	41	30	22	81	1	02	0	1	1	9	0	0	7								
	16	10063	48	44	39	29	26	80	0	01	0	0	1	4	0	0	7								
	19	10096	47	43	38	29	34	64	1	05	0	1	2	4	0	0	7			27	35	444	0028	49	42
	22	10126	45	43	41	29	16	64	6	03	2	6	2	5	0	0	7								
09	01	10135	44	43	41	27	07	00	6	10	1	6	2	4	0	0	6								
	04	10132	40	40	40	18	03	02	7	40	1	6	2	4	0	0	5								
	07	10164	42	41	40	25	05	40	6	03	2	6	2	4	0	0	6								
	10	10183	45	43	41	28	09	80	2	01	0	2	1	5	0	0	6								
	13	10195	47	44	40	30	08	81	3	02	0	3	1	4	0	0	6								
	16	10198	46	44	41	30	13	81	3	02	0	3	1	4	0	0	6								
	19	10199	45	43	41	30	12	81	3	03	1	7	1	4	0	5	6	6		28	19	371	0008	49	40
	22	10193	44	43	42	32	17	80	7	03	2	7	1	4			7								

Results of Surface Observations, MACQUARIE – JAN., 1959

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
10	01	10179	46	44	42	31	12	64	3	01	1	1	6	4	5	0	7	7							
	04	10148	45	44	43	31	23	80	5	03	1	1	6	4	5	0	7	7							
	07	10130	45	44	43	30	26	80	7	03	1	1	6	4	5		7	7							
	10	10109	46	45	43	31	27	80	7	03	2	3	6	3	5		7	7							
	13	10078	46	45	44	31	30	64	8	61	6	2	7	3	2		7	7							
	16	10046	45	45	44	31	31	08	8	03	6	4	7	1	2		7	7							
	19	10075	45	45	45	28	26	24	8	03	6	2	7	4	2		6	6							
	22	10071	43	39	34	28	19	40	6	03	1	6	5	4	0	0	6			28	43	433	0000	47	40
11	01	10075	42	39	34	22	16	64	4	01	2	4	2	5	0	0	5								
	04	10069	42	39	34	25	17	64	4	03	1	4	2	4	0	0	5								
	07	10075	43	39	35	27	19	80	6	03	2	6	2	5	0	0	6								
	10	10080	44	41	37	27	17	80	7	03	2	7	2	4			6								
	13	10088	44	41	37	26	20	80	8	80	6	8	2	5			6								
	16	10086	44	41	37	25	20	80	8	03	2	8	2	5			6								
	19	10093	42	40	38	25	14	80	7	80	2	7	2	5			5								
	22	10116	42	38	32	25	13	80	7	03	2	7	2	5			5			30	31	487	0011	45	41
12	01	10111	41	38	34	24	09	48	7	80	2	7	2	5			5								
	04	10114	40	39	37	26	06	64	8	02	2	8	5	4			6								
	07	10119	41	38	34	26	06	80	8	02	2	8	5	4			6								
	10	10118	41	39	36	27	06	81	8	02	2	8	5	4			6								
	13	10115	42	40	37	28	07	81	8	02	2	8	5	4			6								
	16	10107	43	40	36	25	05	81	8	02	2	8	5	4			6								
	19	10100	42	39	35	27	07	81	8	02	2	8	5	4			6								
	22	10099	41	39	37	27	08	80	8	02	2	8	5	4			6			23	27	279	0001	44	40
13	01	10080	43	40	37	27	16	80	8	02	2	8	5	4			6								
	04	10051	44	43	42	30	06	40	8	51	2	8	6	3			6								
	07	10029	45	45	45	32	14	04	8	47	4	8	6	1			7								
	10	10002	46	46	46	29	18	04	8	47	5	8	6	1			7								
	13	9979	46	45	44	31	17	48	8	03	2	8	5	5			7								
	16	9943	46	46	45	29	24	03	8	52	5	8	6	1			7								
	19	9937	45	44	43	27	15	80	8	01	5	2	6	3	2	7	6								
	22	9941	44	42	39	27	14	81	3	01	1	2	6	3	2	0	6			31	36	275	0004	47	43
14	01	9934	44	42	39	27	17	81	2	01	1	2	6	3	0	0	6								
	04	9922	44	41	38	26	26	80	7	03	2	7	2	5			6								
	07	9910	44	42	39	26	28	48	8	03	2	8	2	5			6								
	10	9928	45	43	41	26	26	08	8	03	2	8	2	5			6								
	13	9934	45	43	40	26	24	32	7	03	2	8	2	5	3		6								
	16	9949	44	41	37	26	22	32	8	03	2	8	2	5			6								
	19	9958	44	40	34	24	21	64	6	02	2	8	2	5			6								
	22	9964	43	43	43	27	21	24	8	03	2	8	2	5	3	0	6			27	43	520	0005	46	43
15	01	9965	44	43	42	27	12	24	8	60	2	7	7	4	2		6								
	04	9956	44	43	42	28	16	40	7	50	2	8	5	1			6								
	07	9949	43	43	43	25	06	01	8	47	5	8	6	1			6								
	10	9967	44	43	41	22	23	64	8	02	6	8	5	4	1		6								
	13	9985	46	43	40	22	17	64	8	03	2	8	5	5			6								
	16	10003	47	45	43	25	16	80	5	03	1	8	2	4	1	0	6								
	19	9998	45	44	43	27	14	64	8	03	2	8	5	4			6								
	22	9988	45	44	44	28	19	24	8	03	2	8	5	5			6			22	35	428	0020	48	43
16	01	9945	45	44	43	29	20	80	8	02	2	8	5	5	2		7								
	04	9878	44	44	44	24	30	24	8	61	2	8	6	2	3	0	6								
	07	9893	45	43	41	24	20	80	5	01	2	6	6	3	0	0	6								
	10	9915	45	44	43	25	24	80	7	01	2	7	5	5			6								
	13	9957	47	44	40	23	26	81	4	01	2	7	1	5			6								
	16	9994	47	44	41	23	21	81	4	01	2	7	1	5	3	0	6								
	19	10004	45	44	43	27	16	80	7	03	2	7	2	5			6	6							
	22	9995	45	44	43	29	15	40	8	25	8	8	2	5			6			26	45	361	0025	48	44
17	01	9962	46	46	46	27	24	00	8	10	2	8	6	0			6								
	04	9944	46	46	46	27	22	04	8	00	2	8	6	2			6								
	07	9954	46	46	46	27	26	02	8	47	4	8	6	1			6								
	10	9967	47	46	45	27	28	24	8	01	4	8	6	2			6								
	13	9989	47	45	44	26	16	16	8	05	2	8	6	2			6								
	16	9999	46	44	41	25	17	40	8	03	2	8	6	2			6								
	19	10015	45	44	43	26	14	16	8	03	2	8	6	2			6								
	22	10014	44	44	44	27	09	16	8	03	2	8	4	4			6			27	37	574	0003	48	43
18	01	10009	44	43	43	27	07	32	8	50	2	8	4	5			6								
	04	9979	44	44	43	12	04	40	8	02	2	8	5	5			6								
	07	9936	44	44	44	05	04	01	8	60	4	8	6	0			6								
	10	9904	46	46	46	27	10	02	8	63	6	8	6	1			6								
	13	9873	46	46	46	27	05	16	8	61	6	8	6	1			6								
	16	9890	46	46	46	13	33	16	8	60	6	8	6	2			6								
	19	9983	42	40	37	13	15	81	6	01	6	7	4	4	0	0	3								
	22	10043	42	41	40	22	14	64	7	03	2	7	2	4			3			13	42	272	0022	47	42

Results of Surface Observations,
MACQUARIE – JAN., 1959

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	10073	45	43	41	27	19	64	4	03	1	4	2	4	0	0	6								
	04	10109	44	44	43	26	14	80	3	01	2	3	6	2	0	0	6								
	07	10146	45	44	43	26	15	81	3	03	2	3	8	5	0	0	6								
	10	10169	47	46	45	25	10	81	4	03	2	4	5	5	0	0	6								
	13	10172	47	46	45	27	09	81	4	03	1	4	2	4	0	4	6								
	16	10180	48	47	45	29	10	81	6	03	1	4	6	4	7	0	6								
	19	10171	46	45	44	31	06	81	5	02	1	1	6	3	3	2	6								
	22	10148	45	44	43	32	02	81	6	02	1	2	6	3	3	2	6			26	29	323	0035	50	43
20	01	10110	46	45	44	30	04	81	7	03	1	7	2	4			7								
	04	10062	47	47	46	30	09	01	8	63	6	4	7	2	2		6								
	07	10043	46	46	46	28	12	00	8	51	6	8	7	0			6								
	10	10030	48	48	48	25	05	02	8	50	5	8	7	1			6								
	13	10018	48	48	47	27	05	40	8	05	5	8	5	6			6								
	16	10007	48	48	47	29	20	00	8	47	2	8	6	0			6								
	19	9991	48	48	48	28	23	00	8	45	4	8	6	0			6								
	22	9996	47	47	47	28	20	00	8	61	6	8	6	0			6			31	34	324	0004	51	45
21	01	9993	46	46	46	27	12	00	8	45	4	8	6	0											
	04	10021	45	45	45	27	05	03	8	61	6	8	6	2			6								
	07	10039	45	44	44	25	09	40	8	03	2	4	6	4	3		6	6							
	10	10048	46	45	44	26	14	80	7	02	2	2	6	4	3		6	6							
	13	10059	47	45	43	27	17	16	3	05	0	1	6	3	0	0	6								
	16	10063	47	45	42	27	21	40	6	03	2	6	2	5	0	0	6								
	19	10070	45	43	41	27	26	40	5	02	2	5	2	4	0	0	6								
	22	10082	43	41	37	25	26	24	7	03	6	7	2	3			6			25	46	241	0016	48	41
22	01	10091	43	40	35	24	28	80	3	03	6	3	5	5	0	0	6								
	04	10103	39	38	37	25	30	40	8	80	8	8	6	2			6								
	07	10116	44	40	34	25	27	81	6	01	8	6	6	3	0	0	6								
	10	10123	45	41	35	23	23	80	4	01	0	4	1	5	0	0	6								
	13	10117	44	41	37	24	23	81	7	03	1	7	2	5			5								
	16	10117	46	42	36	24	22	80	6	03	1	4	2	5	1	0	5	5							
	19	10109	44	42	38	24	18	80	8	03	2	8	4	5			5								
	22	10064	44	43	42	25	22	40	8	03	6	8	2	4			5			25	45	477	0005	46	36
23	01	10081	44	44	43	25	21	40	8	10	2	8	6	2			6								
	04	10067	44	44	44	23	15	40	8	10	2	8	6	2			5								
	07	10079	43	42	41	18	02	81	7	01	2	7	6	3			5								
	10	10086	44	43	42	24	09	81	7	03	2	7	2	4	1		5								
	13	10080	46	45	44	25	09	80	8	03	2	8	5	3			6								
	16	10056	46	46	46	26	16	02	8	47	5	8	6	0											
	19	10037	46	46	46	26	22	24	8	20	4	8	6	3			6								
	22	9996	46	45	44	25	22	40	8	03	2	8	6	3			5			26	33	365	0003	47	41
24	01	10020	46	45	45	26	21	24	8	00	2	8	6	3			6								
	04	10003	45	45	45	26	21	00	8	03	2	8	6	0			6								
	07	9974	45	45	45	27	21	01	8	02	2	8	6	1			6								
	10	9974	46	46	46	25	21	08	8	02	2	8	6	1			6								
	13	10008	48	46	44	22	19	81	3	01	1	3	2	5	0	0	5								
	16	10015	48	46	43	22	21	81	3	02	0	2	2	5	1	0	5								
	19	10022	44	43	42	22	13	81	7	03	2	7	2	5			5								
	22	10029	44	42	39	22	04	80	7	03	2	7	4	5			5			26	32	446	0001	49	41
25	01	10014	43	42	41	29	03	81	4	01	1	4	4	5	0	0	6								
	04	9992	45	44	43	33	03	08	8	03	2	8	6	1			6								
	07	9972	45	45	45	32	03	00	8	47	4	8	6	0											
	10	9948	45	45	45	28	14	00	8	80	8	8	6	1			6								
	13	9950	46	46	46	23	16	01	8	43	4	8	6	0											
	16	9972	46	45	44	25	10	80	7	01	4	7	8	5			6								
	19	9978	45	45	45	25	13	40	8	10	2	8	6	2			6								
	22	9992	43	40	36	23	16	80	5	02	1	5	5	5	0	0	5			23	32	247	0006	49	39
26	01	9998	43	41	40	25	03	80	2	01	1	2	2	4	0	0	5								
	04	9986	43	43	42	26	04	40	7	80	1	7	2	5			6								
	07	9984	43	42	42	27	05	80	7	02	8	7	2	5			6								
	10	9956	44	43	42	27	08	80	8	02	2	8	2	5			6								
	13	9942	44	43	42	25	13	80	8	25	2	6	2	4	2		6								
	16	9921	47	44	40	27	17	81	3	01	2	3	8	5	0	0	6								
	19	9908	44	42	39	25	20	81	5	80	2	5	8	4	0	0	6								
	22	9909	44	42	39	25	17	80	7	03	2	7	2	5			6			26	32	263	0002	48	42
27	01	9899	43	41	38	25	16	80	7	02	2	2	2	5	3		6	6							
	04	9889	42	40	37	24	23	64	4	02	1	4	2	4	0	0	6								
	07	9906	40	38	35	22	23	80	6	03	1	6	2	4	0	0	5								
	10	9929	43	39	34	22	21	80	4	02	1	4	2	4	0	0	5								
	13	9945	44	42	39	22	22	81	5	03	1	4	2	4	5	0	5	5							
	16	9917	44	41	37	25	20	81	6	02	2	6	8	4	0	0	6								
	19	9944	43	41	38	25	15	80	8	15	6	8	8	4			6								
	22	9934	43	42	40	26	26	48	8	80	6	8	2	4			6			23	40	416	0010	46	39

Results of Surface Observations,
MACQUARIE – JAN., 1959

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	9937	43	41	40	23	09	80	4	02	2	4	2	5	0	0	5								
	04	9953	42	40	37	22	08	64	6	02	6	2	7	4	1	0	5								
	07	9964	42	40	37	23	02	81	6	03	2	6	5	5	0	0	5								
	10	9974	45	43	40	26	02	81	2	01	1	1	1	5	3	0	6								
	13	9966	47	44	41	31	05	81	5	01	1	1	1	4	5	1	6								
	16	9950	46	44	42	32	07	64	7	50	2	5	6	4			6								
	19	9921	45	45	45	36	08	03	8	46	5	8	6	0											
	22	9899	47	46	45	36	06	08	8	63	6	3	6	3	2					35	42	252	0008	49	39
29	01	9870	42	41	40	27	21	08	8	63	6	8	0	6	2			6							
	04	9874	44	41	37	29	16	81	3	01	6	3	2	4	0	0	7								
	07	9881	44	42	39	29	19	81	5	02	1	2	2	4	0	0	7								
	10	9872	45	43	40	32	17	81	4	02	1	2	2	4	4	0	7	6							
	13	9868	46	43	39	33	14	80	2	01	0	2	1	4	0	0	7								
	16	9860	45	42	37	00	00	40	6	05	1	6	2	5	0	0	7								
	19	9859	43	41	38	14	09	80	6	02	8	6	1	4	0	0	5			31	27	255	0032	48	40
	22	9870	43	42	41	09	10	80	7	02	2	7	5	5											
30	01	9894	42	41	40	14	14	81	0	01	0	0	0	9	0	0									
	04	9917	41	39	36	16	09	81	4	03	1	4	2	4	0	0	3								
	07	9940	41	38	33	16	15	81	5	02	1	4	2	4	0	1	3								
	10	9974	41	38	34	14	09	81	6	02	1	4	2	5	4	0	3								
	13	9993	42	37	28	20	09	81	6	02	1	6	2	5	4	0	3								
	16	10003	41	36	27	21	10	81	8	03	2	8	2	5			5								
	19	10012	40	35	27	22	07	81	7	03	2	7	8	5			5								
	22	10027	39	36	31	14	02	80	7	01	2	7	2	5						21	31	232	0004	45	37
31	01	10042	37	34	29	00	00	81	4	01	1	4	2	5	0	0	3								
	04	10053	39	35	28	22	01	81	7	02	1	1	2	4	3		5	5							
	07	10074	41	37	30	27	04	81	7	03	2	7	5	5			5								
	10	10089	43	41	38	28	10	81	7	03	2	7	2	4			5								
	13	10096	45	42	38	26	15	81	3	02	0	3	2	5	0	0	6								
	16	10086	46	43	39	27	17	81	5	03	2	5	2	5	0	0	6								
	19	10070	45	43	39	29	17	81	7	03	2	7	4	5			7								
	22	10021	45	45	45	30	24	03	8	61	6	8	6	2			7			27	31	160	0002	46	35

Results of Surface Observations,
MACQUARIE — Feb., 1959

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	9973	46	46	46	28	26	40	8	61	6	8	6	3			6								
	04	9982	45	45	45	27	16	04	8	40	4	8	6	2			6								
	07	9988	45	45	45	25	19	24	8	02	4	8	6	3			6								
	10	9992	46	44	42	24	20	80	7	03	2	6	2	4	5		6								
	13	9995	47	45	42	27	23	80	3	03	0	3	1	4	0	0	6								
	16	9990	46	44	41	27	23	80	8	03	2	8	8	4			6								
	19	9983	45	43	40	26	20	80	8	02	2	8	5	4			6								
	22	9980	47	44	42	26	17	80	8	02	2	5	5	4	3		6			28	42	414	0007	48	43
02	01	9945	43	43	42	27	13	80	8	02	2	8	5	4			6								
	04	9905	42	42	42	30	02	08	8	61	6	2	6	2	2		6	6							
	07	9865	42	42	42	09	05	40	8	61	6	2	6	2	2		2								
	10	9814	41	40	39	12	19	40	8	63	6	1	6	3	2		3	3							
	13	9857	43	42	41	14	17	80	6	01	6	6	2	5	0	0	3								
	16	9909	43	40	36	20	15	81	6	02	2	6	2	4	0	0	4								
	19	9939	41	39	36	23	15	81	6	02	2	6	2	4	0	0	5								
	22	9956	41	39	36	25	14	81	7	02	2	2	2	4	3		5	5		21	32	350	0051	45	39
03	01	9946	43	41	40	27	12	40	7	03	1	7	4	5			6								
	04	9932	43	41	40	29	07	40	8	03	2	2	6	3	2		6								
	07	9916	43	42	41	32	04	24	8	61	6	3	6	2	2		7								
	10	9910	46	45	44	00	00	80	5	02	6	5	2	5	0	0	7								
	13	9920	49	46	42	24	12	81	5	02	1	5	2	5	0	0	5								
	16	9947	47	46	44	24	17	80	7	03	1	7	5	5			5								
	19	9965	45	44	43	26	14	80	8	03	2	8	5	5			5								
	22	9981	44	41	38	26	22	64	7	03	2	7	8	5			6			27	34	261	0009	49	41
04	01	9962	44	44	44	28	26	24	8	50	2	8	5	4			6								
	04	9930	45	45	45	27	33	08	8	02	2	8	6	2			6								
	07	9917	45	45	45	27	35	08	8	62	6	8	6	2			6								
	10	9898	46	45	44	28	33	16	8	02	6	8	6	3			6								
	13	9912	45	45	45	27	26	40	8	02	6	8	5	5			6								
	16	9905	45	43	40	27	28	24	8	02	5	8	5	5			6								
	19	9916	44	42	39	26	23	40	6	01	5	6	2	5	0	0	5								
	22	9935	41	39	36	24	24	64	3	01	1	3	2	5	0	0	5			27	44	375	0003	46	38
05	01	9954	42	40	37	25	21	40	6	25	8	6	2	4	0	0	6								
	04	9973	40	38	35	23	22	40	7	25	8	7	2	4			6								
	07	9999	41	39	35	23	28	80	6	02	8	6	2	4	0	0	6								
	10	10029	43	39	33	23	23	80	6	02	2	6	2	4	0	0	6								
	13	10035	44	42	39	26	23	80	6	02	2	6	2	4	0	0	6								
	16	10052	45	42	38	26	23	80	7	02	8	7	2	5			6								
	19	10072	43	41	38	23	16	81	4	02	1	4	2	5	0	0	5								
	22	10083	43	41	39	26	14	81	2	01	1	2	6	4	0	0	5			23	50	603	0013	46	36
06	01	10076	43	42	41	29	10	64	3	03	1	3	6	4	0	0	6								
	04	10064	43	42	41	29	15	40	7	03	1	7					6								
	07	10060	45	44	43	29	17	80	7	02	2	7					7								
	10	10063	46	45	44	29	17	80	8	02	2	3	5	6	0	7	7								
	13	10046	48	47	44	31	14	81	7	02	2	7	5	7			7								
	16	10032	47	46	45	30	10	81	6	02	2	2	6	4	3	0	7								
	19	10015	47	46	45	31	09	81	7	02	2	2	6	3	3		7								
	22	9998	47	47	46	29	17	80	8	03	2	8	2	6			7			34	29	359	0002	48	42
07	01	9961	47	46	45	32	17	08	8	63	6	8	6	3											
	04	9893	48	48	48	34	24	04	8	45	4	8	6	0											
	07	9858	47	47	47	31	14	03	8	46	4	8	6	0											
	10	9853	46	46	46	29	15	00	8	45	4	8	6	0			7								
	13	9843	47	47	47	30	19	24	8	28	4	8	6	1			7								
	16	9853	46	45	44	31	20	40	8	03	2	8	6	2			7								
	19	9859	46	44	41	27	26	40	7	03	2	7	6	3			6								
	22	9863	45	44	44	28	27	80	3	01	0	3	5	6	0	0	6			31	43	395	0020	48	43
08	01	9917	45	43	41	27	19	40	5	02	1	5	2	5	0	0	6								
	04	9895	43	43	43	28	07	80	6	81	8	6	2	5	0	0	7								
	07	9915	44	42	39	32	02	80	7	03	8	7	2	5			7								
	10	9876	46	46	46	32	07	16	8	80	8	8	2	4			7								
	13	9824	46	46	46	32	20	16	8	80	8	8	2	4			7								
	16	9813	46	45	44	29	23	80	7	01	2	7	6	3			7								
	19	9813	44	44	43	29	23	80	5	02	2	5	6	3	0	0	7								
	22	9825	38	38	38	18	07	40	8	80	8	8	2	4			5			29	37	413	0010	47	37
09	01	9852	39	39	39	24	15	40	6	80	8	6	6	3	0	0	5								
	04	9860	41	39	37	27	24	80	4	01	2	4	6	4	0	0	6								
	07	9862	42	40	37	28	30	81	4	02	1	4	2	4	0	0	6								
	10	9861	43	43	43	28	26	81	6	02	2	5	2	5	0	1	6		6						
	13	9856	44	41	37	27	33	80	8	03	2	2	2	5	3		6	6							
	16	9857	41	41	40	27	29	80	6	01	2	4	2	5	3	0	6	6							
	19	9861	40	38	35	27	26	80	8	03	2	4	2	5	3		6	6							
	22	9878	40	38	35	24	29	80	8	82	8	8	2	5			5			27	45	476	0022	45	36

Results of Surface Observations,
MACQUARIE – Feb., 1959

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	01	9882	41	39	37	25	22	80	8	80	8	8	6	4			5								
	04	9896	39	38	36	24	29	40	8	03	8	8	6	3			5								
	07	9915	40	37	33	26	23	40	8	81	8	8	6	4			5								
	10	9923	40	38	35	23	17	64	8	87	8	8	6	4			5								
	13	9935	39	38	37	25	17	80	8	02	8	8	6	4			5								
	16	9943	40	38	33	22	07	80	8	02	8	8	6	4			5								
	19	9954	40	37	32	22	07	40	8	03	2	8	2	4			5								
	22	9972	40	37	32	23	09	40	8	03	2	8	2	4			5			25	36	480	0016	41	36
11	01	9993	38	36	34	18	05	40	8	03	8	8	2	4			4								
	04	10008	39	37	35	00	00	72	8	03	8	8	2	5			5								
	07	10030	39	37	34	18	01	80	8	03	2	8	2	5			5								
	10	10054	42	39	33	22	04	80	8	03	2	8	8	5			5								
	13	10081	44	39	31	24	10	81	7	02	2	7	2	4			5								
	16	10098	44	39	33	24	10	81	6	01	2	5	2	5	0	1	5		5						
	19	10011	43	39	35	26	10	81	7	03	2	7	5	5			6								
	22	10123	43	41	38	27	16	80	8	02	2	8	5	5			6			27	24	222	0010	45	37
12	01	10121	43	42	42	27	17	80	8	03	2	8	8	6			6								
	04	10118	44	43	42	28	21	40	8	02	2	8	6	2			6								
	07	10123	45	44	43	28	20	40	8	02	2	8	6	3			6								
	10	10123	45	44	43	28	18	40	8	05	2	8	6	2			6								
	13	10121	45	44	43	27	19	80	8	02	2	8	5	5			6								
	16	10127	45	44	43	27	19	40	8	02	2	8	6	1			6								
	19	10134	44	44	44	27	19	03	8	47	4	8	6	1			6								
	22	10155	44	44	44	27	17	03	8	45	4	8	6	1			6			27	30	322	0000	46	42
13	01	10161	43	43	43	27	18	03	8	45	4	8	6	1			6								
	04	10161	44	44	44	27	16	40	8	10	4	8	6	2			6								
	07	10177	45	45	45	27	07	03	8	47	4	8	6	0			6								
	10	10182	46	45	45	28	13	40	8	02	4	8	6	2			6								
	13	10190	46	45	45	29	11	80	8	02	2	8	5	5			7								
	16	10187	47	46	45	27	04	80	6	02	2	6	5	6	0	0	7								
	19	10184	47	46	45	27	05	80	6	02	2	6	9	6	0	0	7								
	22	10185	46	46	46	32	05	40	8	03	2	8	6	4			7			31	25	268	0001	48	42
14	01	10172	47	47	47	32	14	64	8	03	2	8	5	5			7								
	04	10151	48	47	46	33	22	80	4	01	2	4	5	5	0	0	7								
	07	10128	48	47	46	31	22	40	7	03	2	7	6	3			7								
	10	10120	48	47	47	31	19	40	8	25	6	4	6	3	1		7	7							
	13	10099	48	48	48	31	24	08	8	10	8	8	6	2			7								
	16	10089	49	49	49	31	24	02	8	46	4	8	6	0			7								
	19	10084	48	48	48	31	19	06	8	10	5	8	6	1			7								
	22	10082	49	49	49	31	25	03	8	51	5	8	6	1			7			33	39	428	0000	49	45
15	01	10069	48	48	48	31	25	24	8	10	5	8	6	2			7								
	04	10056	49	48	47	31	23	40	8	05	2	8	6	2			7								
	07	10042	49	49	49	31	25	03	8	63	6	8	6	1			7								
	10	10042	50	50	50	31	27	16	8	61	6	8	6	1			7								
	13	10041	49	49	49	30	24	16	8	61	6	8	6	1			7								
	16	10040	48	48	48	30	22	16	8	63	6	8	6	1			7								
	19	10031	48	48	48	31	19	16	8	61	6	8	6	1			7								
	22	10028	48	48	48	31	16	16	8	63	6	8	6	1			7			31	37	574	0040	50	47
16	01	10005	48	48	48	31	18	08	8	63	6	8	6	2			7								
	04	9981	49	49	49	31	18	08	8	63	6	8	6	2			7								
	07	9969	49	49	49	31	18	08	8	61	6	8	6	1			7								
	10	9951	50	50	50	33	21	03	8	61	5	8	6	1			7								
	13	9912	48	48	48	31	10	03	8	61	6	8	6	1			7								
	16	9903	46	46	46	27	09	03	8	47	6	8	6	1			7								
	19	9912	44	44	44	27	08	08	8	43	4	8	6	2			6								
	22	9918	45	45	45	31	10	03	8	50	5	8	6	2			7			33	40	507	0099	50	44
17	01	9905	44	44	44	31	14	16	8	50	5	8	6	2			7								
	04	9923	42	42	42	23	12	16	8	61	6	8	6	2			5								
	07	9947	42	42	42	25	14	40	8	80	8	8	8	4			6								
	10	9961	44	42	39	27	20	81	6	01	8	6	8	4	0	0	6								
	13	9965	45	43	40	28	22	81	6	02	8	6	8	4	0	0	6								
	16	9953	45	44	41	28	22	81	8	03	2	6	8	5			6								
	19	9945	45	44	43	28	26	80	8	03	8	4	6	3	1		6	6							
	22	9931	45	44	43	28	23	40	8	80	8	4	2	4	1		6	6		29	39	307	0043	45	39
18	01	9920	43	42	41	27	23	40	8	80	8	6	8	3	2		6								
	04	9906	42	41	40	27	21	40	8	80	8	7	8	3	2		6								
	07	9911	42	41	40	27	20	81	6	01	8	6	8	4	0	0	6								
	10	9907	43	42	41	27	12	81	8	03	2	1	2	4	2		6								
	13	9856	41	41	40	33	08	81	8	61	6	3	2	4	2		7								
	16	9724	46	46	46	30	28	32	8	63	6	5	6	2	2		7								
	19	9677	46	46	46	30	28	24	8	61	6	6	6	2	2		7								
	22	9625	45	44	43	28	20	64	6	80	8	6	2	4	0	0	6			27	45	518	0011	46	39

Results of Surface Observations,
MACQUARIE – Feb., 1959

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	₩	Oktas	C_L	h	C_M	C_H	D_L	D_M	D_H	°×10	kt	St.miles	Points	°F	°F
19	01	9593	43	43	43	29	15	40	8	80	8	8	8	4			7								
	04	9654	38	37	36	22	35	16	8	61	6	8	6	3			5								
	07	9749	39	37	34	23	23	80	7	25	8	5	2	4	0	2	5								
	10	9798	40	36	29	23	30	80	6	87	8	6	8	4	0	0	5								
	13	9818	40	37	31	23	30	80	6	87	8	6	2	4	0	0	5								
	16	9819	40	38	33	25	19	81	6	27	8	6	2	5	0	0	5								
	19	9826	40	38	34	25	28	81	6	02	8	6	2	5	0	0	5								
	22	9827	39	37	33	25	17	80	7	02	2	7	5	5			5			23	63	484	0053	43	36
20	01	9813	39	36	31	25	15	81	6	01	2	6	5	6	0	0	5								
	04	9807	38	36	31	23	17	81	7	01	2	7	2	4			5								
	07	9809	39	35	29	23	18	81	5	01	2	5	2	4	0	0	5								
	10	9821	37	36	35	25	17	40	7	70	2	7	2	4			6								
	13	9826	41	39	36	26	10	81	5	26	8	5	2	4	0	0	6								
	16	9832	41	39	36	20	10	81	6	02	2	6	2	4	0	0	5								
	19	9841	38	36	33	25	16	81	5	26	8	5	2	4	0	4	5								
	22	9859	35	35	35	20	12	40	7	70	7	7	2	4			5			25	35	390	0006	42	33
21	01	9871	37	34	29	18	04	81	4	01	7	4	2	4	0	0	5								
	04	9898	37	35	33	15	07	80	3	03	8	3	2	4	0	0	5								
	07	9933	38	36	33	15	07	81	5	03	8	5	2	4	0	0	5								
	10	9961	41	39	36	13	07	81	4	03	8	4	2	4	0	0	3								
	13	9982	41	37	30	22	10	81	8	03	2	8	8	4			5								
	16	9999	40	38	34	22	07	81	8	02	8	8	8	4			5								
	19	10016	40	37	32	22	10	81	8	02	2	8	8	4			5								
	22	10032	40	37	33	25	17	81	8	02	2	8	8	4			5			22	27	237	0010	43	33
22	01	10027	42	40	37	27	15	81	8	02	2	8	8	4			6								
	04	10014	42	41	40	27	17	40	8	02	8	8	8	4			6								
	07	9996	43	43	43	27	19	40	8	61	6	4	6	3	2		6								
	10	9975	45	45	45	28	17	16	8	50	6	8	6	2			6								
	13	9957	45	45	45	27	24	32	8	01	2	8	6	2			6								
	16	9952	45	45	45	28	24	16	8	10	2	8	6	2			6								
	19	9946	45	45	45	28	25	16	8	10	2	8	6	2			6								
	22	9956	45	45	45	28	21	24	8	10	2	8	6	2			6			28	33	320	0018	45	40
23	01	9977	43	43	43	25	15	81	6	01	2	6	2	4	0	0	6								
	04	10003	41	38	34	23	17	81	2	03	0	2	1	4	0	0	5								
	07	10033	42	39	34	23	17	81	2	02	2	2	1	4	0	0	5								
	10	10041	44	42	39	26	16	81	2	03	0	1	2	4	4	0	6	6							
	13	10022	45	43	40	28	20	80	7	03	1	7	8	5			6								
	16	10010	45	43	41	28	23	80	8	03	2	8	5	5			6								
	19	9987	44	44	44	29	22	24	8	51	5	8	6	4			6								
	22	9976	43	43	42	28	19	40	8	03	8	8	2	5			6			28	41	464	0002	45	38
24	01	9967	44	44	44	27	23	80	6	03	8	6	2	4	0	0	6								
	04	9983	43	41	39	25	23	80	7	03	8	4	2	4	3		6	6							
	07	10010	42	40	37	25	24	81	6	03	8	6	2	4	0	0	6								
	10	10039	43	41	38	23	15	81	6	03	2	6	2	4	0	0	5								
	13	10038	45	43	40	28	12	81	2	01	1	2	1	5	0	0	6								
	16	10022	45	44	44	29	19	40	8	03	2	8	5	5			6								
	19	9998	45	45	45	29	23	16	8	10	2	8	6	2			6								
	22	9985	45	45	45	27	24	40	8	10	2	8	8	5			6			25	38	494	0032	46	40
25	01	9980	45	45	45	28	24	24	8	50	5	8	6	3			6								
	04	9964	45	45	45	27	24	40	8	01	5	8	6	3			6								
	07	9962	45	43	40	27	31	81	7	02	8	7	2	4			6								
	10	9969	46	45	44	28	24	80	8	80	2	6	6	3	1		6	6							
	13	9994	46	44	42	27	23	80	3	01	1	1	1	5	5	1	6	6	6						
	16	10018	45	43	40	25	23	80	4	03	1	1	1	5	5	0	5	6							
	19	10032	44	43	41	27	14	48	6	03	2	2	0	9	3	4		5	6						
	22	10033	44	43	41	28	14	48	8	02	2	2	6	4	1		5	6		27	49	500	0004	47	42
26	01	10014	44	43	42	29	23	80	8	03	2	4	2	4	1		6								
	04	9968	44	44	44	30	23	16	8	51	2	8	8	3			7								
	07	9942	45	45	45	30	22	40	8	10	5	8	8	3			7								
	10	9919	45	45	45	30	23	80	8	80	2	5	2	4	1		7								
	13	9902	45	44	43	28	21	80	7	03	8	7	6	3			6								
	16	9898	44	42	39	27	21	80	7	02	2	7	6	3			6								
	19	9898	43	41	40	26	16	81	6	81	1	6	2	5	0	0	6								
	22	9909	41	39	36	27	19	80	6	80	1	6	2	5	0	0	6			28	33	494	0004	46	38
27	01	9886	40	40	40	28	18	64	6	88	8	6	9	5	0	0	6								
	04	9893	40	38	36	25	17	80	6	81	8	6	2	5	0	0	6								
	07	9894	40	38	35	27	10	81	5	01	8	5	8	5	0	0	6								
	10	9904	40	39	38	25	21	81	5	02	8	5	8	5	0	0	6								
	13	9889	42	40	37	27	26	81	4	02	2	4	2	5	0	0	6								
	16	9890	43	41	38	27	28	80	5	02	2	4	2	5	0	1	6								
	19	9889	41	40	38	27	23	80	6	02	8	4	2	5	5	0	6								
	22	9895	41	40	38	26	24	80	5	02	8	5	2	5	0	0	6			27	42	396	0012	43	37

Results of Surface Observations,
MACQUARIE – Feb., 1959

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	9891	39	38	37	24	21	80	6	87	8	6	2	5	0	0	6								
	04	9889	39	38	36	25	17	80	7	80	8	7	2	5			6								
	07	9923	39	37	34	22	18	81	5	01	1	5	8	5	0	0	6								
	10	9935	42	39	34	25	17	80	7	03	1	4	2	5	3		6								
	13	9936	41	39	36	25	19	80	5	03	8	4	9	5	0	1	5		5						
	16	9952	42	39	35	25	19	80	6	02	8	4	2	5	0	1	5		5						
	19	9979	40	38	35	25	22	80	6	02	8	4	2	5	3	1	5	5	6						
	22	10008	39	37	34	23	14	80	6	02	1	5	8	5	0	0	5			22	45	468	0005	42	36

Results of Surface Observations,
MACQUARIE – Mar., 1959

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	10037	39	36	31	24	13	80	3	01	8	3	2	5	0	0	5								
	04	10057	39	37	34	24	16	80	5	03	2	5	2	5	0	0	5								
	07	10074	38	38	38	24	17	40	7	80	8	7	2	5			5								
	10	10089	42	40	37	24	10	81	6	03	2	4	2	5	1	0	5	5							
	13	10074	43	40	37	27	19	81	8	03	2	4	2	5	1		6	6							
	16	10044	42	42	42	29	23	40	8	61	6	4	2	3	2		7	6							
	19	10005	43	43	43	30	30	24	8	61	6	6	2	3	2		7	6							
	22	9978	45	45	45	29	30	40	8	61	6	6	2	3	2		7	6		27	38	336	0004	45	36
02	01	9945	45	45	45	29	30	40	8	61	6	6	2	3	2		7								
	04	9926	46	46	46	30	30	40	8	61	6	8	2	3			7								
	07	9903	46	46	46	30	22	24	8	61	6	8	2	2			7								
	10	9887	46	46	46	30	22	24	8	61	6	8	2	2			7								
	13	9892	40	40	40	23	18	80	8	61	6	5	2	3	1		5								
	16	9893	41	40	39	23	15	80	8	02	8	8	2	3			5								
	19	9902	39	38	37	23	10	81	8	02	8	8	2	4			5								
	22	9915	39	36	32	23	18	80	6	02	2	6	2	4	0	0	5			25	44	606	0039	46	34
03	01	9922	37	36	35	23	20	80	7	80	8	7	2	4			5								
	04	9943	38	36	33	23	21	80	3	01	8	3	2	4	0	0	5								
	07	9974	36	36	36	23	22	81	3	03	8	3	2	4	0	0	5								
	10	9992	40	39	38	23	19	81	7	03	8	5	2	4	2		5	5							
	13	9994	42	41	40	27	24	81	8	03	8	5	2	4	1		6	6							
	16	9991	42	41	40	25	21	81	6	01	2	6	2	4	0	0	6								
	19	10015	40	39	38	25	25	81	6	15	8	6	2	4	0	0	6								
	22	10053	41	38	35	25	20	81	5	01	2	5	2	4	0	0	6			23	48	350	0031	43	32
04	01	10070	41	39	36	24	17	81	8	03	2	8	2	4			6								
	04	10092	40	39	38	24	23	81	7	02	2	7	2	4			5								
	07	10117	41	39	36	25	15	81	7	15	8	7	2	4			5								
	10	10137	43	41	39	23	17	81	6	01	8	6	2	4	0	0	5								
	13	10150	43	42	41	26	17	81	6	02	1	4	2	4	0	0	6	6							
	16	10150	44	43	42	27	24	80	7	03	2	7	2	4	0		6	6							
	19	10151	44	43	42	27	33	80	8	03	2	6	2	4	2		6	6							
	22	10157	44	43	40	27	23	80	8	03	2	8	2	5			6			23	33	400	0006	44	37
05	01	10158	43	43	43	27	26	00	8	50	5	0	0	0	2			6							
	04	10153	43	43	43	26	19	40	8	02	5	4	6	3	2			6							
	07	10141	44	44	44	27	24	80	8	02	2	8	5	5			6								
	10	10164	45	45	45	27	24	80	8	02	2	8	6	3			6								
	13	10159	45	45	45	27	24	40	8	03	2	8	6	3			6								
	16	10168	45	44	43	26	19	64	7	02	2	7	5	5			6								
	19	10180	44	44	43	24	14	80	4	01	1	4	5	5	0	0	6								
	22	10199	41	43	42	25	16	80	7	03	2	7	5	5			6			27	36	484	0001	46	41
06	01	10202	44	43	42	27	11	80	8	03	2	8	5	5			6								
	04	10195	43	42	41	27	10	80	5	02	1	5	6	4	0	0	6								
	07	10185	42	42	42	26	08	16	5	10	1	5	6	4	0	0	6								
	10	10182	44	43	42	31	05	81	8	03	2	8	5	5			7								
	13	10159	45	44	42	32	12	81	7	02	2	7	6	3			7								
	16	10124	45	44	42	32	14	81	8	02	2	8	5	5			6								
	19	10096	45	43	41	33	16	80	8	02	5	8	5	5			6								
	22	10055	45	44	44	32	17	40	8	50	2	8	8	5			7			32	35	345	0001	46	41
07	01	10014	45	45	45	32	17	04	8	46	4	8	6	0			7								
	04	9977	45	45	45	31	15	03	8	47	4	8	6	1			7								
	07	9961	45	45	45	31	10	03	8	60	4	8	6	1			7								
	10	9964	45	45	44	25	10	40	7	03	2	7	2	3			6								
	13	9962	45	44	43	25	13	64	8	03	2	8	5	5			6								
	16	9974	45	43	40	25	16	80	8	03	2	8	5	5			5								
	19	9997	44	42	39	25	09	80	6	01	2	5	2	5	0	1	5								
	22	10028	42	40	37	24	12	80	2	01	1	2	2	5	0	0	5			32	35	372	0005	46	41
08	01	10054	42	39	35	23	07	81	2	02	2	2	2	5	0	0	5								
	04	10064	42	39	34	25	06	80	7	03	2	7	2	5			5								
	07	10082	43	40	35	27	06	81	7	03	2	7	2	5			6								
	10	10092	45	41	35	27	02	81	7	03	2	7	2	5			6								
	13	10084	46	41	33	32	02	81	7	02	1	7	2	4			7								
	16	10078	45	41	35	00	00	80	8	02	2	8	2	8			7								
	19	10067	44	41	39	00	00	80	8	02	2	8	2	8			6								
	22	10070	43	41	38	00	00	40	8	02	2	8	2	4			3			05	13	213	0000	47	42
09	01	10051	44	42	39	09	01	08	8	50	2	8	2	4			2								
	04	10026	43	43	43	08	10	08	8	51	5	8	2	6			2								
	07	10013	44	44	44	07	07	08	8	51	5	8	2	6			2								
	10	9994	44	43	42	08	19	24	8	03	5	8	2	5			2								
	13	9947	44	44	44	09	21	08	8	03	2	8	2	4			2								
	16	9890	44	44	44	09	21	04	8	54	5	8	2	6			2								
	19	9845	45	45	45	09	09	08	8	50	6	8	2	6			2								
	22	9831	46	46	46	36	08	08	8	50	6	8	2	6			2			09	25	258	0005	46	42

Results of Surface Observations,
MACQUARIE – Mar., 1959

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	01	9813	45	45	45	31	16	16	8	63	6	8	6	2			7								
	04	9818	43	43	43	28	08	08	8	54	6	8	6	2			6								
	07	9818	44	43	43	31	17	80	5	01	2	5	5	5	0	0	6								
	10	9815	46	45	43	32	16	81	3	01	0	1	6	3	0	1	7								
	13	9773	47	46	45	33	17	81	3	03	1	1	6	3	5	5	7								
	16	9743	45	44	43	08	05	81	7	03	2	1	6	3	7										
	19	9714	41	40	39	00	00	40	8	61	6	3	7	3	2		6								
	22	9712	40	40	39	01	09	08	8	61	6	0	0	3	2		2			31	30	260	0030	47	39
11	01	9716	41	40	39	14	09	01	8	61	6	0	0	4	2										
	04	9786	43	43	42	18	10	64	4	01	3	4	2	5	0	0									
	07	9830	42	41	40	18	09	64	7	03	2	7	5	5			5								
	10	9882	40	39	38	16	16	80	8	03	2	8	2	4			4								
	13	9918	39	37	33	18	08	80	7	02	6	7	8	4			4								
	16	9965	39	37	33	16	17	81	7	02	2	7	2	4			3								
	19	10005	39	36	31	14	17	81	2	01	0	2	8	5	6	0	3								
	22	10056	38	37	35	10	05	80	3	80	1	3	2	5	0	0	3			18	37	256	0055	45	37
12	01	10086	38	37	35	23	08	08	7	03	8	7	2	5			5								
	04	10097	40	38	35	23	11	64	7	02	2	7	5	5			5								
	07	10096	41	39	37	26	17	64	7	02	2	3	6	4	4		5	6							
	10	10087	42	41	40	27	24	40	8	03	2	8	5	5			5								
	13	10058	43	42	41	28	26	24	8	21	6	8	6	3			6								
	16	10055	44	44	44	27	23	08	8	60	6	8	6	1			6								
	19	10075	44	44	44	24	10	08	8	02	2	8	6	3											
	22	10088	43	42	42	27	05	32	8	02	2	8	6	4			6			29	40	587	0004	44	36
13	01	10086	43	43	43	27	09	08	8	50	2	8	6	1			6								
	04	10093	44	43	43	27	09	01	8	50	5	8	6	1			6								
	07	10102	43	43	43	28	07	02	8	02	5	8	6	2			6								
	10	10101	44	44	44	27	14	02	8	02	2	8	6	2			6								
	13	10082	46	45	44	28	17	32	5	01	2	0	0	9	7	1		6	6						
	16	10067	47	45	43	29	17	40	5	02	1	0	0	9	3	4		6	7						
	19	10043	45	45	45	29	23	24	4	02	1	1	6	3	1	1	6	6	6						
	22	10048	46	45	45	28	24	24	8	03	2	8	5	5			6			29	37	321	0017	47	40
14	01	10042	46	45	45	28	24	24	8	03	2	8	5	5			6								
	04	10056	45	45	45	28	17	01	8	65	2	8	5	2	2		6								
	07	10057	45	45	45	28	16	01	8	63	5	8	6	2	2		6								
	10	10049	45	45	45	29	17	02	8	63	6	8	6	1			6								
	13	10017	44	44	44	30	16	02	8	63	6	8	6	0											
	16	9962	45	45	45	30	19	03	9	60	6	8	6	0											
	19	9957	45	45	45	29	22	04	8	60	6	8	6	1			6								
	22	9941	45	44	44	29	24	08	6	01	6	6	6	3	0	0	6			28	51	521	0010	46	43
15	01	9909	44	44	43	29	33	16	4	02	1	4	6	3	0	0	6								
	04	9912	43	43	43	27	24	16	6	80	6	6	2	4	0	0	6								
	07	9906	42	42	42	27	26	81	3	03	8	3	2	4	0	0	6								
	10	9909	43	40	35	27	28	80	6	03	2	6	2	4	0	0	6								
	13	9913	42	39	34	27	37	80	7	02	2	7	4	4			6								
	16	9916	41	40	39	26	17	56	7	03	8	7	8	4			6								
	19	9915	40	38	35	27	24	40	5	03	8	5	2	4	0	0	6								
	22	9922	41	39	36	26	17	64	4	02	1	4	4	5	0	0	6			27	45	555	0029	45	38
16	01	9919	41	40	39	27	16	48	8	03	8	8	5	5			6								
	04	9909	41	40	39	27	12	08	8	03	8	8	6	3			6								
	07	9894	41	41	41	28	09	80	8	03	8	8	6	3			6								
	10	9873	43	43	43	29	17	80	8	80	8	8	8	4			6								
	13	9859	43	42	41	29	12	72	7	02	2	5	2	4	3		6								
	16	9849	42	40	39	28	23	56	8	80	2	8	8	4			6								
	19	9825	41	40	39	28	19	32	8	03	8	8	5	5			6								
	22	9831	40	38	35	28	16	40	6	03	2	6	2	4	0	0	6			29	34	464	0011	44	35
17	01	9834	36	34	30	22	09	80	2	01	8	2	2	4	0	0	5								
	04	9837	33	33	33	23	09	80	0	00	7	0	0	9	0	0									
	07	9853	35	33	27	23	17	81	4	26	8	4	2	4	0	0	5								
	10	9866	38	35	30	23	22	81	4	02	1	4	2	5	0	0	5								
	13	9869	39	37	34	25	28	80	5	02	1	4	2	5	8	0	5	5							
	16	9868	37	36	34	26	21	48	7	03	8	6	2	4	8		6	6							
	19	9867	35	34	32	23	16	48	7	03	8	7	2	4			6								
	22	9867	35	35	34	22	02	40	8	02	8	8	2	4			6			22	47	389	0008	41	30
18	01	9860	37	36	33	24	14	24	5	80	1	5	2	4	0	0	5								
	04	9861	38	37	35	23	21	40	5	02	3	5	2	4	0	0	5								
	07	9895	37	35	33	14	10	64	6	03	8	5	2	4	8	0	5								
	10	9932	39	36	31	18	16	64	6	02	7	5	2	5	3	0	4								
	13	9970	39	36	30	17	04	81	7	80	8	7	2	4			5								
	16	9987	40	36	31	22	18	81	6	03	2	4	2	4	3	0	5								
	19	9988	40	37	32	22	21	81	7	03	2	4	2	5	3		5								
	22	9952	42	39	35	25	17	80	7	03	2	4	2	5	3		5			22	44	323	0016	42	33

Results of Surface Observations,
MACQUARIE — Mar., 1959

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
19	01	9901	41	40	39	26	26	48	8	60	6	8	6	4			6								
	04	9869	43	43	43	22	26	01	8	45	6	8	6	0											
	07	9859	43	41	39	22	24	08	8	61	6	8	6	3			6								
	10	9859	40	35	27	22	37	24	8	02	6	8	8	4			5								
	13	9866	37	34	27	22	35	40	7	03	2	7	2	4			5								
	16	9887	36	35	33	22	35	64	7	89	2	7	2	4			5								
	19	9899	37	32	25	22	35	40	7	03	2	7	2	4			5								
	22	9922	35	31	29	23	22	40	7	85	8	7	2	4			5			22	63	433	0017	43	32
20	01	9948	35	31	23	20	17	40	8	03	2	8	2	4			5								
	04	9955	36	35	33	22	17	08	8	03	2	8	2	4			5								
	07	9991	35	31	22	18	09	24	8	03	2	8	2	4			4								
	10	10030	37	33	25	16	02	56	7	03	8	7	2	5			4								
	13	10004	38	36	33	23	16	64	8	03	2	8	5	5			5								
	16	10010	40	37	33	23	14	64	8	03	8	8	5	5			6								
	19	10005	41	41	41	26	09	08	8	50	2	8	6	1			6								
	22	9991	43	42	42	26	19	40	8	03	2	8	5	5			6			22	49	449	0000	43	33
21	01	9975	43	43	43	27	17	24	8	03	6	8	6	3			6								
	04	9949	45	45	45	27	17	24	8	60	6	8	6	3			6								
	07	9944	45	45	45	27	19	02	8	47	4	8	6	3			6								
	10	9951	45	45	45	27	23	08	8	02	2	8	6	3			6								
	13	9946	45	45	45	27	17	03	8	45	4	8	7	0											
	16	9941	45	45	45	27	22	16	8	10	4	8	6	1			6								
	19	9940	46	46	46	27	26	08	8	81	8	8	6	2			6								
	22	9937	45	45	45	27	29	08	8	63	6	8	6	2			6			27	38	430	0014	47	42
22	01	9921	46	46	46	28	26	16	8	61	6	8	6	3			6								
	04	9905	45	45	45	27	26	16	8	02	6	8	6	3			6								
	07	9905	45	45	45	27	22	01	8	47	6	8	6	1			6								
	10	9890	46	46	46	27	26	32	8	60	6	8	6	2			6								
	13	9870	45	45	45	29	18	05	8	60	6	8	6	2			6								
	16	9834	45	45	45	28	23	16	8	63	6	8	6	2			6								
	19	9870	45	44	43	23	13	40	7	01	6	4	6	2	1		5								
	22	9906	44	44	43	28	10	40	8	02	2	8	6	2			6			27	35	422	0041	46	42
23	01	9922	43	43	43	28	10	48	8	03	2	8	5	5			6								
	04	9926	44	43	42	30	10	80	3	03	1	3	5	5	0	0	6								
	07	9911	44	44	44	32	09	01	8	47	4	8	6	2			7								
	10	9872	46	46	46	32	04	24	8	60	6	8	6	3			7								
	13	9845	45	44	43	28	26	40	8	03	8	8	6	4			6								
	16	9849	45	44	43	29	23	40	6	05	2	3	6	4	0	6	6								
	19	9846	43	43	43	29	23	40	7	05	2	6	5	6	0	6	6								
	22	9838	43	42	41	28	22	81	3	03	2	3	5	6	0	0	6			29	38	553	0027	46	41
24	01	9838	42	41	40	27	24	80	6	03	2	6	2	5	0	0	6								
	04	9825	41	40	39	28	30	80	3	03	8	2	2	5	0	2	6		6						
	07	9821	41	41	41	28	22	40	6	80	8	5	2	5	4	0	6	6							
	10	9800	42	41	39	27	33	40	8	80	1	4	6	5	1		6	6							
	13	9768	42	41	40	26	35	80	8	03	8	8	2	5			6								
	16	9824	41	41	40	24	35	24	8	80	8	8	8	4			6								
	19	9893	40	39	38	23	37	24	8	80	8	8	8	3			5								
	22	9957	37	36	35	22	26	64	6	80	8	6	8	4	3	0	5	5		24	56	399	0009	44	34
25	01	9993	37	35	32	22	17	64	7	80	8	7	2	5			5								
	04	10025	38	37	35	22	19	64	4	03	1	3	2	5	0	2	5		6						
	07	10063	39	36	31	22	17	80	4	02	1	4	2	5	0	0	5								
	10	10099	40	38	34	22	17	81	6	03	1	5	2	5	6	0	5	5							
	13	10111	43	39	35	25	17	81	3	03	2	3	2	5	0	1	5		5						
	16	10103	42	41	40	25	23	81	3	03	1	2	2	5	3	0	5	5							
	19	10082	42	41	40	27	24	80	7	03	2	4	2	5	3		6	6							
	22	10049	43	42	41	27	24	80	8	80	8	8	2	5			6			27	48	728	0015	44	35
26	01	9998	44	44	44	27	30	24	8	50	8	8	6	2			6								
	04	9960	44	44	44	27	33	40	8	10	5	8	6	2			6								
	07	9960	44	43	42	25	30	80	7	05	8	7	8	4			6								
	10	10006	42	40	38	22	26	80	7	80	8	7	2	5			5								
	13	10040	40	37	32	22	26	80	7	03	2	7	2	5			5								
	16	10052	40	38	35	22	22	80	8	80	8	8	2	5			5								
	19	10060	39	38	37	22	19	80	8	03	2	8	8	5			5								
	22	10066	40	39	38	24	17	80	7	03	2	7	8	5			5			27	51	614	0012	45	37
27	01	10059	40	39	38	23	19	64	8	80	8	8	2	5			5								
	04	10064	40	39	38	24	20	80	8	02	2	8	8	5			5								
	07	10064	41	40	39	25	22	80	8	02	2	8	8	4			6								
	10	10061	41	41	40	25	24	80	8	02	2	8	5	5			6								
	13	10057	42	41	40	25	24	64	8	02	2	8	5	5			6								
	16	10055	42	41	41	24	24	64	8	03	2	8	5	5			6								
	19	10062	42	41	40	23	19	48	8	50	2	8	5	5			6								
	22	10082	40	40	40	23	17	40	8	03	2	8	2	5			6			23	38	457	0001	43	38

Results of Surface Observations,
MACQUARIE – Mar., 1959

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	10067	40	40	40	24	16	24	7	02	5	7	8	4			6								
	04	10058	40	40	40	25	15	40	8	02	2	8	8	4			6								
	07	10041	40	40	40	24	13	80	8	16	2	8	8	4			5								
	10	10038	41	40	39	24	17	56	8	02	2	8	5	5			6								
	13	10037	41	41	40	23	19	80	7	03	2	7	2	5			5								
	16	10025	40	40	40	23	23	64	8	03	5	8	2	4			5								
	19	10029	39	39	38	23	23	64	5	01	5	6	2	4	0	0	5								
	22	10047	40	39	38	23	24	40	8	03	5	8	2	4			5			23	45	386	0002	42	38
29	01	10048	40	38	37	23	28	80	6	02	5	6	2	5	0	0	5								
	04	10080	40	37	33	24	16	80	7	25	8	7	2	4			5								
	07	10113	38	36	33	18	02	91	6	03	2	6	5	5	0	0	4								
	10	10138	39	37	34	22	02	81	6	03	2	6	5	5	0	0	5								
	13	10144	40	38	36	22	06	81	6	02	2	6	5	5	0	0	5								
	16	10153	39	38	37	22	04	81	6	02	2	6	5	5	0	0	5								
	19	10161	39	39	39	22	07	80	8	03	2	8	5	5			5								
	22	10164	40	40	40	27	10	64	8	50	2	8	5	5			6			23	46	393	0003	41	37
30	01	10160	41	41	41	27	13	64	8	50	2	8	5	5			6								
	04	10146	42	42	42	27	15	80	8	10	5	8	8	4			6								
	07	10146	42	42	42	27	18	80	8	05	2	8	5	5			6								
	10	10125	43	43	43	28	21	16	8	46	2	8	6	1			6								
	13	10096	44	44	44	29	22	32	8	02	2	8	6	2			6								
	16	10069	45	45	45	29	23	56	8	02	2	2	6	3	1		6	6							
	19	10043	45	45	45	29	24	56	8	02	2	8	5	3			6								
	22	10028	45	45	45	29	28	24	8	61	6	8	6	3			6			29	37	297	0002	46	39
31	01	10024	44	44	44	26	16	24	8	10	6	8	6	2			6								
	04	10031	43	43	43	25	20	40	8	10	2	8	6	2			6								
	07	10040	43	43	43	25	21	80	8	05	2	8	6	3			6								
	10	10063	39	39	38	24	26	64	6	15	8	6	2	5	0	0	5								
	13	10087	41	40	39	23	26	40	8	02	2	8	4	5			5								
	16	10103	42	41	40	24	23	40	8	02	2	8	4	5			5								
	19	10115	42	42	42	23	23	16	8	02	2	8	2	4			5								
	22	10129	42	41	40	23	21	24	4	01	1	4	2	5	0	0	5			23	42	621	0020	45	37

Results of Surface Observations,
MACQUARIE – Apr., 1959

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	10151	41	40	39	23	23	80	4	02	1	4	2	5	0	0	5								
	04	10157	41	40	39	23	18	81	5	02	1	5	1	5	0	0	5								
	07	10178	40	39	39	23	15	81	6	02	1	3	6	4	0	6	5								
	10	10197	42	41	40	22	14	80	8	03	1	8	8	5			5								
	13	10200	42	42	42	23	15	80	7	02	2	7	8	4			5								
	16	10208	42	42	42	22	23	32	7	10	2	7	6	3			5								
	19	10222	42	42	42	22	25	32	8	10	2	8	6	3			5								
	22	10240	42	41	40	23	21	24	8	03	2	8	6	3			5			22	37	953	0001	43	39
02	01	10265	41	40	39	24	18	40	8	05	2	8	6	4			6								
	04	10278	39	39	39	23	10	24	7	10	2	7	6	3			5								
	07	10281	39	39	39	23	12	01	8	46	4	8	6	0			5								
	10	10281	41	41	41	25	13	05	6	10	4	6	6	0	0	0	5								
	13	10282	42	41	41	27	10	01	8	47	4	8	6	0											
	16	10265	44	44	43	25	10	80	5	01	0	2	6	3	8	0	5	5							
	19	10248	43	43	43	27	16	80	6	01	1	4	4	5	8	0	6	6							
	22	10224	43	43	43	28	21	40	8	61	1	8	6	2			6			28	32	367	0001	45	38
03	01	10197	44	44	43	27	24	24	8	03	6	8	6	3			6								
	04	10174	44	44	44	27	22	24	8	05	6	8	6	3			6								
	07	10140	44	44	44	27	25	24	8	05	2	8	6	2			6								
	10	10114	45	45	45	27	26	02	8	02	2	8	6	1			6								
	13	10068	45	45	45	27	25	03	8	43	4	8	6	0			6								
	16	10035	45	45	45	28	21	03	8	45	4	8	6	0			6								
	19	10018	45	45	45	27	12	04	8	52	5	8	6	1			6								
	22	10010	44	44	44	25	06	08	8	61	6	8	6	3			6			27	37	441	0004	46	43
04	01	10004	43	43	43	25	15	08	8	10	6	8	6	2			6								
	04	10008	43	43	43	25	15	03	8	47	4	8	6	2			5								
	07	10000	43	43	43	25	16	40	7	03	2	7	5	5			5								
	10	10018	42	41	41	25	22	81	7	03	2	7	5	5			5								
	13	10012	42	41	40	23	17	80	8	02	6	8	6	3			5								
	16	10007	42	40	38	26	23	80	8	02	2	8	5	5			5								
	19	10000	42	40	37	24	23	80	7	02	2	7	5	5			5								
	22	10001	42	39	35	24	24	40	8	02	2	8	5	5			5			25	32	437	0015	44	40
05	01	9998	42	40	36	28	19	16	8	02	2	8	6	3			6								
	04	9986	42	40	37	25	16	40	8	03	2	8	6	4			5								
	07	9987	42	40	37	25	16	80	6	03	2	6	2	4	0	0	5								
	10	9993	42	39	34	26	22	81	7	03	2	7	5	5			6								
	13	9993	43	40	35	25	17	81	8	02	2	8	8	5			6								
	16	9991	42	40	37	23	10	81	6	01	2	6	8	5	0	0	6								
	19	9993	38	37	35	00	00	81	4	01	1	4	5	5	0	0	6								
	22	9985	40	39	38	07	04	80	8	02	1	8	5	6			6			25	31	458	0000	46	38
06	01	9970	40	39	37	07	15	80	8	03	2	8	5	5			1								
	04	9940	40	39	37	08	24	40	8	80	2	8	2	5			2								
	07	9912	38	38	38	09	28	40	8	61	6	4	2	4	2		2								
	10	9887	39	39	39	09	30	40	8	63	6	5	6	3	2		2								
	13	9874	40	40	39	11	32	24	8	63	6	4	6	2	2		2								
	16	9862	40	40	40	11	30	16	8	60	6	6	6	1	2		2								
	19	9867	40	40	40	11	27	24	8	60	6	6	6	1	2		3								
	22	9893	40	40	40	13	17	40	6	05	2	6	6	3	0	0	3			11	50		0024	42	37
07	01	9928	40	39	39	13	09	08	8	10	2	8	6	2			3								
	04	9936	39	39	39	13	16	08	8	10	2	8	6	3			3								
	07	9973	39	38	38	18	05	24	8	03	2	8	6	4			5								
	10	9995	40	39	39	13	26	24	8	02	5	8	6	3			3								
	13	10024	40	39	38	13	29	24	8	02	2	8	5	5			3								
	16	10072	40	39	37	13	25	40	8	02	2	8	6	3			3								
	19	10100	39	38	36	12	20	40	8	02	2	8	6	3			3								
	22	10120	38	38	38	11	17	32	8	02	2	8	6	3			3			13	37	702	0028	44	37
08	01	10130	39	38	37	11	23	48	7	02	2	7	6	3			3								
	04	10156	38	37	37	09	09	02	8	10	2	8	6	0			2								
	07	10162	37	37	36	10	17	08	8	02	2	8	6	1			2								
	10	10137	37	37	36	11	23	16	7	02	2	7	6	3			2								
	13	10172	39	39	39	10	16	08	7	10	2	7	6	3			2								
	16	10170	39	39	39	10	14	16	3	10	2	3	6	1	0	0	2								
	19	10172	39	39	39	10	14	80	1	01	0	1	6	3	0	0	2								
	22	10172	41	41	40	11	16	80	2	01	1	2	6	3	0	0	2			09	26	440	0000	44	36
09	01	10170	44	43	42	10	09	80	7	03	2	3	2	5	5	0	2	2							
	04	10164	45	44	43	12	06	81	6	02	2	0	0	5	3	0		1							
	07	10180	45	44	43	12	08	81	4	01	2	0	0	9	3	0		1							
	10	10193	45	44	43	12	10	81	7	03	2	0	0	9	7			1							
	13	10192	46	45	44	11	10	81	5	03	2	1	0	3	7	0	2	1							
	16	10191	45	44	43	12	16	80	8	03	2	2	6	3	2		1	1							
	19	10196	44	44	44	12	09	04	8	47	2	8	6	2			1								
	22	10199	44	44	44	12	03	04	8	45	4	8	6	1			1			10	25	295	0000	47	43

Results of Surface Observations,
MACQUARIE – Apr., 1959

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	10197	44	44	44	09	01	04	8	45	4	8	6	1			2								
	04	10190	43	43	43	27	01	24	8	10	4	8	6	2			6								
	07	10193	43	43	43	00	00	03	8	45	4	8	6	0			5								
	10	10198	43	43	43	00	00	02	8	45	4	8	6	0			6								
	13	10194	44	44	44	00	00	00	8	47	4	8	6	0			6								
	16	10183	44	44	44	18	04	40	7	41	5	7	6	1	1		4								
	19	10177	42	41	41	00	00	81	6	11	4	2	6	4	1	0									
	22	10173	42	42	42	00	00	08	8	61	6	8	6	3			4			23	14	157	0004	46	40
11	01	10167	41	41	41	00	00	08	8	02	2	8	6	1											
	04	10167	39	38	37	00	00	40	8	03	2	8	6	4											
	07	10166	39	38	36	20	16	80	7	03	2	5	6	4	3		4								
	10	10167	42	40	37	22	17	81	6	03	2	6	6	5	0	0	5								
	13	10157	42	42	41	24	16	81	6	01	1	6	6	3	0	0	5								
	16	10154	40	39	38	22	12	40	8	51	2	6	6	3	2		5								
	19	10146	39	39	39	21	14	24	7	51	2	5	6	3			5								
	22	10124	41	41	40	25	16	24	8	10	5	8	6	3			5			26	35	141	0015	44	36
12	01	10092	41	41	40	25	21	16	8	10	2	8	6	2			6								
	04	10047	43	43	43	26	24	16	8	02	5	8	6	3			6								
	07	10016	44	44	44	26	24	16	8	60	6	8	6	2			6								
	10	10002	44	44	44	25	24	80	8	03	6	8	6	3			6								
	13	9994	42	39	34	22	31	64	7	03	2	6	2	5	0	5	5								
	16	9999	40	37	31	22	33	64	6	03	2	2	2	5	0	6	5								
	19	10005	40	36	29	22	32	64	7	03	2	7	5	5			5								
	22	10016	40	36	29	22	23	64	6	02	8	6	5	5	0	0	5			22	47	429	0006	45	37
13	01	10025	39	35	28	22	28	80	6	02	2	6	2	5	0	0	5								
	04	10046	39	35	29	20	23	80	7	02	2	7	6	3			5								
	07	10055	39	35	29	22	23	16	7	10	2	7	5	5			5								
	10	10065	40	38	35	23	14	80	8	02	2	8	5	5			5								
	13	10064	40	39	38	24	07	80	7	03	2	2	2	4	3		5								
	16	10049	41	39	37	27	04	80	8	02	2	8	5	5			7								
	19	10026	41	41	41	31	05	08	8	10	2	8	6	2			7								
	22	10016	43	43	43	27	06	01	8	47	5	8	6	2			6			22	43	484	0001	43	38
14	01	9993	43	43	43	27	09	24	8	10	4	8	6	3			6								
	04	9974	43	43	43	27	06	00	8	47	4	8	6	0			6								
	07	9950	44	44	44	27	14	08	8	43	4	8	6	0			6								
	10	9930	44	44	44	27	19	16	8	63	4	8	6	0			6								
	13	9892	46	46	46	28	26	08	8	61	6	8	6	2			6								
	16	9880	46	46	46	27	24	00	8	47	6	8	6	0			6								
	19	9886	45	45	45	26	19	00	8	45	4	8	6	0			6								
	22	9895	43	43	43	25	16	02	8	43	4	8	6	2			6			29	32	292	0004	47	41
15	01	9896	43	43	43	25	08	08	4	41	4	4	6	3	0	0	6								
	04	9894	42	42	42	25	09	56	4	02	1	4	6	3	0	0	6								
	07	9899	43	42	42	25	10	40	8	03	2	8	6	3			6								
	10	9929	42	40	38	22	16	80	6	02	1	6	5	5	0	0	5								
	13	9933	42	42	41	24	09	80	8	50	2	8	6	3			5								
	16	9933	41	41	41	24	01	16	8	53	5	8	6	1			5								
	19	9930	39	39	39	12	06	40	8	53	5	8	6	1			3								
	22	9934	39	38	38	12	05	40	8	61	5	8	6	1			3			23	24	395	0008	44	36
16	01	9942	37	35	33	14	05	16	8	02	6	8	6	2			3								
	04	9955	36	35	32	14	05	80	4	02	1	4	5	5	0	0	4								
	07	9984	35	33	30	15	03	81	6	02	1	4	5	5	3	0	4								
	10	10022	38	35	30	13	04	81	4	02	1	4	5	5	0	0	4								
	13	10051	39	36	30	14	08	81	7	03	2	7	5	5			3								
	16	10075	39	36	32	00	00	81	5	01	1	5	5	5	0	0									
	19	10093	39	37	35	23	14	81	7	02	2	7	5	5	0	0	5								
	22	10102	40	38	35	23	14	80	5	02	2	5	5	5	0	0	5			23	30	151	0018	41	34
17	01	10101	41	39	36	24	22	80	8	03	2	8	5	5			5								
	04	10113	41	41	41	24	19	48	8	03	2	4	6	3			5								
	07	10120	42	42	42	24	17	24	8	61	2	8	6	2			5								
	10	10122	43	43	43	24	12	04	8	44	4	8	6	2			6								
	13	10119	43	43	43	25	16	16	8	10	4	8	6	2			6								
	16	10112	43	42	41	26	17	64	8	03	2	4	6	3			6								
	19	10106	43	42	42	27	14	64	8	02	2	4	6	3			6								
	22	10105	43	43	42	27	19	40	7	02	2	7	4	3			6			27	42	313	0000	43	39
18	01	10078	43	43	43	27	24	48	8	02	2	8	5	5			6								
	04	10051	44	44	44	27	26	40	8	03	2	8	6	2			6								
	07	10034	44	43	42	27	26	08	8	63	6	8	6	1			6								
	10	10031	44	43	43	26	19	24	8	10	6	8	6	4			6								
	13	10040	45	44	43	25	19	64	7	03	1	7	6	4			6								
	16	10048	44	43	42	25	16	40	7	03	1	4	5	5	0		6								
	19	10052	43	42	41	26	17	80	5	01	1	3	5	5	0	6	6								
	22	10046	43	43	42	27	14	64	7	03	2	7	5	5		0	6			27	35	502	0006	46	42

Results of Surface Observations,
MACQUARIE — Apr., 1959

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	10029	43	43	43	27	23	16	8	10	2	8	6	2			6								
	04	9974	44	43	42	29	20	40	8	02	2	8	5	5			6								
	07	9909	45	44	44	29	26	08	8	10	8	8	5	2			6								
	10	9868	44	42	39	26	43	48	7	03	4	7	6	4			6								
	13	9881	43	41	38	25	43	32	8	03	2	8	2	5			6								
	16	9930	41	38	32	23	38	24	8	02	2	8	6	1			6								
	19	9976	41	38	33	24	35	24	6	01	2	6	2	5	0	0	6			23	72	466	0006	46	37
	22	10010	40	37	33	23	34	48	7	89	1	7	2	5			6								
20	01	10047	40	37	32	22	28	40	7	02	2	7	4	5			5								
	04	10072	38	36	33	22	17	40	8	02	2	8	5	5			5								
	07	10088	39	37	34	23	09	40	7	02	8	7	8	5			5								
	10	10111	40	36	30	23	10	81	6	02	1	3	2	5	3	1	5								
	13	10124	41	38	33	23	06	82	7	02	2	2	1	5	0	1									
	16	10118	41	38	35	27	06	82	5	02	2	0	0	9	3	1									
	19	10102	41	39	37	29	12	82	7	03	2	0	0	9	3	1									
	22	10069	42	41	40	31	12	81	7	03	2	4	5	5	3		6			22	47	583	0001	43	36
21	01	10024	43	43	43	30	20	40	8	61	6	8	6	3			7								
	04	9998	45	45	45	27	21	01	8	62	6	8	6	0			7								
	07	10004	45	45	45	27	21	08	7	62	6	7	6	1			6								
	10	9998	45	45	45	26	20	08	8	49	2	8	6	0			6								
	13	9995	44	44	44	26	19	04	8	45	4	8	6	0			6								
	16	10018	44	44	44	25	15	04	8	45	4	8	6	1			6								
	19	10036	44	44	44	25	12	16	8	10	4	8	6	2			6								
	22	10051	44	44	44	23	15	06	8	10	4	8	6	1			6			29	31	393	0016	46	42
22	01	10077	43	43	43	25	05	03	8	45	4	8	6	1			6								
	04	10081	44	44	44	27	02	01	8	49	4	8	6	0			6								
	07	10082	43	43	43	25	09	02	8	45	4	8	6	0			6								
	10	10089	44	44	44	25	10	01	8	45	4	8	6	0			6								
	13	10070	44	44	44	26	09	02	8	45	4	8	6	0			6								
	16	10059	44	44	44	27	07	00	8	45	4	8	6	0			6								
	19	10044	43	43	43	27	06	00	8	45	4	8	6	0			6								
	22	10023	45	45	45	29	19	81	3	01	4	2	6	3	3	0	6	6		27	27	303	0003	46	42
23	01	10021	46	46	46	27	23	40	8	61	2	8	6	3			6								
	04	10031	45	45	45	27	13	16	8	10	6	8	6	3			6								
	07	10061	43	43	43	25	07	40	6	10	2	4	5	5	7	0	6	6							
	10	10087	43	42	42	26	07	81	4	02	1	1	6	4	0	0	6		7						
	13	10090	44	43	42	27	16	81	1	01	1	1	6	3	0	0	6		7						
	16	10077	45	44	43	28	24	80	5	05	1	3	6	3	0	1	6								
	19	10064	45	44	43	27	31	40	8	61	2	8	6	2			6								
	22	10095	44	43	42	27	23	81	6	01	1	0	0	7	3	0		6		28	43	329	0009	46	41
24	01	10116	43	42	41	27	18	80	0	05	1	0	0	9	0	0									
	04	10116	44	43	42	27	17	80	3	02	1	0	0	9	0	0									
	07	10123	44	43	42	27	18	40	4	05	1	1	2	5	0	6	6		6						
	10	10144	44	44	44	26	14	24	7	10	2	2	6	4	3	7	6	6	6						
	13	10144	44	44	44	29	06	08	8	10	2	8	6	4											
	16	10107	44	44	44	26	16	01	8	55	4	8	6	4											
	19	10080	44	44	44	28	23	01	8	45	5	8	6	1			6								
	22	10052	44	44	44	27	22	24	8	10	4	8	6	1			6			29	29	524	0002	45	42
25	01	9994	44	44	44	29	20	24	8	10	2	8	6	3			7								
	04	9955	44	44	44	29	19	08	8	60	2	8	6	2			7								
	07	9928	44	44	44	29	16	16	7	01	6	7	6	2			7								
	10	9900	45	45	45	29	19	16	8	60	2	8	6	1			7								
	13	9870	45	45	45	29	15	02	8	51	5	8	6	1			7								
	16	9859	40	40	40	23	21	24	8	51	5	8	6	2			6								
	19	9874	39	37	34	23	32	80	3	01	4	8	6	4	0	0	5			23	55	967	0010	46	35
	22	9890	38	37	34	23	28	80	6	02	8	6	2	5	0	0	5								
26	01	9932	38	35	30	23	36	80	7	02	2	7	2	5			5								
	04	9960	38	35	30	23	23	80	7	02	2	7	2	5			5								
	07	9963	39	36	31	22	17	80	8	02	2	8	2	4			5								
	10	9942	41	38	32	27	16	81	7	02	1	7	2	5											
	13	9906	41	39	36	29	22	80	8	15	8	8	2	5			6								
	16	9846	41	41	41	29	25	40	8	80	8	8	2	5			6								
	19	9810	40	40	40	23	07	40	7	05	8	7	2	5			6								
	22	9779	39	38	37	22	09	80	7	02	2	7	2	5			6			23	51	493	0019	43	36
27	01	9761	37	36	35	23	02	81	1	01	1	1	6	4	0	0	5								
	04	9736	38	37	35	23	05	81	6	02	8	1	5	4	0	0	5								
	07	9723	38	36	33	23	06	81	6	02	1	1	5	5	3	0	5	6							
	10	9719	38	37	35	23	08	81	6	25	1	6	6	3	0	0	5								
	13	9700	37	35	32	23	09	81	6	02	6	6	7	4	0	0	5								
	16	9700	36	35	32	22	14	81	7	02	8	7	4	4	0	0	5								
	19	9728	36	35	33	23	11	81	4	70	7	4	2	4	0	0	5								
	22	9720	36	35	33	16	04	81	3	26	7	3	2	4	0	0	3			22	25	337	0011	40	34

Results of Surface Observations,
MACQUARIE — Apr., 1959

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	9757	37	35	32	23	15	81	6	70	7	6	2	4	0	0	5								
	04	9803	36	35	33	14	20	08	7	88	8	7	2	5			4								
	07	9844	35	34	31	15	23	40	8	03	8	8	2	5			4								
	10	9888	35	33	29	16	16	56	7	02	8	7	2	5			4								
	13	9920	36	33	27	16	19	81	6	02	2	6	2	5	0	0	3								
	16	9944	35	33	29	14	14	80	7	02	2	7	2	5			3								
	19	9970	35	32	27	15	07	80	7	02	2	7	2	5			3								
	22	9992	34	33	30	14	06	80	8	02	2	8	2	5			3			11	49	380	0012	38	33
29	01	9993	33	32	29	13	02	80	7	01	2	4	5	5	3		4								
	04	9997	35	33	30	00	00	81	7	02	2	4	5	5	3		4								
	07	9995	37	35	32	29	05	81	7	02	2	5	5	5	3		6								
	10	9985	39	38	37	29	12	81	8	02	2	2	5	5	1		7								
	13	9961	42	42	42	28	10	40	8	63	6	8	6	2			6								
	16	9955	44	44	44	23	16	03	8	46	6	8	6	0			6								
	19	9969	41	40	40	22	04	08	8	10	4	8	6	3			6								
	22	9987	40	40	39	24	14	16	8	02	2	8	6	2			6			23	27	130	0000	44	31
30	01	9944	41	40	39	29	12	16	8	02	2	8	6	3			7								
	04	9860	43	43	43	31	18	16	8	61	6	8	6	3			7								
	07	9796	45	45	45	29	35	16	8	60	6	8	6	2			7								
	10	9753	44	41	38	27	43	32	5	10	6	5	8	5	0	0	6								
	13	9742	41	39	36	27	56	08	5	02	8	5	8	5	0	0	6								
	16	9770	42	40	38	25	60	08	4	02	1	4	2	5	0	0	6								
	19	9760	41	40	37	26	44	02	7	62	6	7	6	3			6								
	22	9746	35	35	35	23	24	02	8	69	7	8	0	3	2		5			26	92	453	0033	45	35

Results of Surface Observations,
MACQUARIE — May, 1959

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	9761	41	38	33	25	40	40	7	02	6	7	2	5			6								
	04	9803	39	38	36	25	44	16	7	02	2	6	5	3	1		6	6							
	07	9827	39	37	34	24	31	40	6	02	2	6	2	5	0	0	6								
	10	9850	37	35	32	23	33	80	3	01	1	3	2	5	0	0	5								
	13	9863	37	36	34	23	33	80	5	27	8	5	2	5	0	0	5								
	16	9877	39	36	32	23	27	80	5	02	1	3	2	5	3	0	5	5							
	19	9888	37	35	32	23	26	64	6	03	1	6	8	5	0	0	5								
	22	9909	39	36	31	23	22	80	8	02	2	8	8	5			5			25	69	815	0058	41	33
02	01	9909	39	37	34	23	20	81	6	02	2	6	2	5	0	0	5								
	04	9880	41	41	41	30	03	01	8	51	4	8	7	0											
	07	9859	39	39	39	28	10	03	8	43	4	8	6	1			7								
	10	9829	43	43	43	29	05	02	8	45	4	8	6	0			7								
	13	9809	43	43	43	28	04	02	8	45	4	8	6	0			6								
	16	9810	43	43	43	18	03	40	8	05	4	8	6	1			4								
	19	9825	41	41	41	20	07	16	8	51	5	8	6	1			5								
	22	9853	41	41	41	13	15	08	8	51	4	8	6	1			4			13	29	545	0005	43	38
03	01	9911	38	38	38	11	22	24	8	51	5	8	6	1			3								
	04	9953	37	36	34	13	20	80	4	02	2	4	5	5	0	0	4								
	07	10002	36	34	31	16	06	80	7	03	1	7	5	5			5								
	10	10036	36	34	31	15	05	81	6	02	1	6	2	5	0	0	5								
	13	10057	37	36	34	23	07	80	7	03	7	7	5	5			5								
	16	10053	38	38	37	24	15	64	7	15	2	6	5	5	0	6	6								
	19	10058	41	41	40	25	15	80	8	02	2	8	5	5			6								
	22	10049	42	42	42	26	25	40	8	10	2	8	6	4			6			26	29	245	0013	43	35
04	01	10026	43	43	43	27	18	40	8	10	2	8	6	4			6								
	04	9986	43	43	43	27	21	40	8	02	2	8	6	4			6								
	07	9950	44	44	44	28	24	16	8	61	6	8	6	3			6								
	10	9961	38	37	36	14	21	24	7	03	6	6	5	5	2		5	6							
	13	10030	37	35	31	14	25	40	8	60	6	8	5	5			4								
	16	10085	36	35	32	14	21	40	8	05	2	8	5	5			3								
	19	10128	36	35	32	14	20	40	6	05	2	6	5	5	0	0	3								
	22	10158	37	34	29	14	12	56	6	02	8	6	2	5	0	0	3			14	49	413	0012	44	35
05	01	10174	38	36	33	14	08	64	5	02	2	5	2	5	0	0	3								
	04	10190	38	37	34	18	05	80	6	02	2	6	2	4	0	0	4								
	07	10221	38	37	36	00	00	80	7	02	2	7	2	4			4								
	10	10222	38	37	33	22	07	80	7	02	2	7	5	4			5								
	13	10216	39	38	37	25	04	80	8	02	2	8	5	4			5								
	16	10211	38	36	33	26	09	80	7	02	2	7	5	4			5								
	19	10211	39	37	34	27	10	80	7	02	2	7	5	4			5								
	22	10213	40	38	35	29	10	80	4	02	2	4	5	5	0	0	7			23	27	287	0002	40	35
06	01	10205	40	38	35	29	16	24	4	10	2	4	5	5	0	0	7								
	04	10201	40	39	38	29	17	40	8	05	2	8	5	4			7								
	07	10197	42	40	37	29	20	80	8	02	2	8	5	4			7								
	10	10193	42	41	39	29	17	80	8	02	2	8	5	5			6								
	13	10187	43	41	39	29	19	80	8	02	2	8	5	5			7								
	16	10178	43	42	41	30	17	56	8	02	2	8	5	5			7								
	19	10181	43	43	43	30	17	08	8	50	2	8	6	2			7								
	22	10185	43	43	42	27	17	32	8	10	5	8	5	5			6			28	29	312	0000	43	39
07	01	10195	43	43	42	28	16	40	6	10	2	6	5	4	0	0	7								
	04	10189	42	42	42	27	16	08	8	10	2	8	6	3			7								
	07	10183	43	43	43	26	18	04	8	47	4	8	6	2			6								
	10	10187	43	43	43	26	12	03	8	47	4	8	6	0			6								
	13	10179	43	43	43	27	07	01	8	45	4	8	6	0			6								
	16	10170	43	43	43	26	15	01	8	45	4	8	6	1			6								
	19	10160	43	43	43	27	13	01	8	53	5	8	6	1			6								
	22	10151	43	43	43	26	12	03	8	51	5	8	6	2			6			29	26	416	0004	43	41
08	01	10134	43	43	43	26	07	01	8	51	5	8	6	2			6								
	04	10095	43	43	43	27	08	01	8	45	5	8	6	2			6								
	07	10055	43	43	43	28	17	01	8	45	4	8	6	2			6								
	10	10015	43	43	43	28	22	03	8	43	5	8	6	2			6								
	13	9961	44	44	44	28	30	32	8	02	4	8	5	2			7								
	16	9906	44	44	44	28	34	16	8	10	5	8	6	3			6								
	19	9867	44	44	44	28	35	16	8	61	6	8	6	5			7								
	22	9842	42	41	39	26	26	56	5	01	6	5	5	5	0	0	7			28	47	372	0009	44	40
09	01	9845	40	38	34	25	26	80	4	02	1	4	2	5	0	0	6								
	04	9834	40	37	32	26	25	81	3	02	1	3	2	5	0	0	7								
	07	9813	40	37	33	27	22	81	4	02	1	4	2	5	0	0	7								
	10	9814	38	37	35	28	16	80	6	80	2	4	2	5	3	0	7								
	13	9858	38	37	35	13	20	80	6	25	5	4	2	5	3	0	4								
	16	9923	36	33	27	14	17	80	7	02	8	7	2	5			3								
	19	9958	36	34	30	22	04	80	4	27	8	4	2	5	0	0	4								
	22	9972	33	33	33	19	02	16	6	72	7	6	0	5	2	0	4			26	47	644	0014	41	32

Results of Surface Observations,
MACQUARIE – May, 1959

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	9968	36	33	27	22	14	80	7	03	7	7	2	5			5								
	04	9953	37	37	37	25	15	80	7	80	7	7	2	5			5								
	07	9938	40	39	38	22	18	80	8	80	8	8	2	4			5								
	10	9937	41	40	39	22	23	80	8	25	8	8	2	4			5								
	13	9938	40	39	37	22	25	80	7	02	8	7	2	4			5								
	16	9948	39	37	34	23	13	64	7	25	8	7	2	5			5								
	19	9961	39	38	36	22	19	72	4	20	2	4	5	5	0	0	5								
	22	9989	39	36	32	22	20	80	5	02	1	5	2	5	0	0	5			22	50	321	0010	41	35
11	01	9997	38	36	33	22	17	80	6	02	2	6	2	5	0	0	5								
	04	9979	39	38	37	23	13	24	8	50	2	8	2	4			5								
	07	9952	41	41	41	26	16	08	8	51	5	8	6	3			5								
	10	9955	42	42	42	22	24	40	8	02	5	8	6	3			5								
	13	9979	41	40	39	22	25	80	6	02	2	6	5	3	0	0	5								
	16	9989	40	39	38	22	14	80	8	02	8	8	6	3			5								
	19	9978	39	39	38	25	07	40	8	51	5	8	5	5			5								
	22	9927	43	43	43	27	16	02	8	63	6	8	5	0			6			22	36	365	0007	43	36
12	01	9900	43	43	43	27	24	03	8	61	6	8	6	0			6								
	04	9833	43	43	43	27	28	03	8	61	6	8	6	1			6								
	07	9741	45	45	45	27	30	03	8	61	6	8	6	1			6								
	10	9638	40	39	38	27	39	16	8	02	6	8	7	3			6								
	13	9758	35	35	35	16	38	03	8	72	7	8	6	1			4								
	16	9901	33	33	32	16	35	08	8	72	7	6	2	3	2		4								
	19	9996	33	33	33	14	17	24	4	23	7	4	2	4	0	0	3								
	22	10071	33	32	30	18	16	16	4	23	7	4	2	4	0	0	4			17	83	536	0023	45	31
13	01	10082	37	35	32	22	21	08	8	26	6	8	6	3											
	04	10092	40	39	37	22	30	16	8	80	8	8	2	4			5								
	07	10107	40	39	39	22	28	32	7	03	8	7	8	4			5								
	10	10135	40	39	38	22	22	80	8	03	8	8	8	4			5								
	13	10136	40	39	37	23	28	64	8	02	2	8	5	5			5								
	16	10147	40	40	39	23	23	64	8	02	2	8	5	5			5								
	19	10158	40	39	37	23	18	64	8	02	2	8	5	5			5								
	22	10165	41	41	40	25	17	56	8	50	5	8	5	5			6			22	43	478	0023	41	35
14	01	10158	40	40	39	26	21	80	8	01	2	8	5	5			6								
	04	10149	41	40	40	26	23	81	4	02	0	4	2	5	0	0	6								
	07	10148	40	39	38	26	31	16	7	81	8	7	2	5			6								
	10	10137	42	42	41	28	24	40	7	02	2	7	8	5			6								
	13	10107	42	42	42	28	22	64	8	02	8	8	5	5			7								
	16	10082	43	42	41	29	21	64	8	02	2	8	5	5			7								
	19	10050	43	42	42	29	24	32	8	02	2	8	6	3			7								
	22	10010	43	43	43	29	24	32	8	50	2	8	6	3			7			26	37	565	0002	44	38
15	01	9982	44	43	42	28	24	56	8	02	5	8	5	5			7								
	04	9942	43	43	43	28	26	02	8	63	6	8	6	0			6								
	07	9948	37	37	35	22	04	08	8	21	6	6	6	1			5								
	10	9955	39	37	33	25	17	81	4	01	0	8	5	5	5	1	5	5	5						
	13	9951	36	35	33	23	19	80	8	27	0	8	2	4			5								
	16	9976	33	32	31	23	19	80	6	90	8	6	3	4	0	0	5								
	19	10012	35	32	26	22	23	80	5	02	2	5	2	4	0	0	5								
	22	10044	36	33	27	22	22	80	5	02	2	5	2	4	0	0	5			22	47	448	0019	44	31
16	01	10057	34	33	31	22	22	40	2	01	8	2	2	4	0	0	5								
	04	10074	38	34	26	23	23	80	8	87	8	8	2	5			5								
	07	10100	38	36	33	23	17	80	5	27	8	5	2	5	0	0	5								
	10	10131	37	35	32	23	17	48	6	25	8	6	2	5	0	0	5								
	13	10161	37	36	33	22	22	81	6	25	8	6	2	4	0	0	5								
	16	10176	37	35	33	23	16	81	7	03	8	7	2	5			5								
	19	10203	37	35	33	23	16	80	7	03	2	7	2	5			5								
	22	10215	37	36	34	23	09	80	5	03	2	5	2	5	1	0	5	5		23	50	398	0008	38	33
17	01	10212	37	35	32	22	14	80	3	01	1	3	2	5	0	0	5								
	04	10207	39	39	38	25	16	64	3	02	1	3	2	5	0	0	5								
	07	10193	40	39	38	25	19	56	6	16	8	6	2	5	0	0	6								
	10	10188	42	41	39	27	16	64	8	02	8	8	2	5			6								
	13	10184	42	42	42	27	17	16	8	60	2	8	2	5			6								
	16	10182	43	43	43	27	16	08	8	51	4	8	6	3			6								
	19	10191	43	43	43	26	16	01	8	45	4	8	6	1			6								
	22	10197	43	43	43	26	16	03	8	41	4	8	6	0			6			26	32	330	0005	43	35
18	01	10211	42	42	42	25	09	02	8	47	4	8	6	0			6								
	04	10210	43	43	43	27	10	01	8	51	4	8	6	0			6								
	07	10221	43	43	43	26	10	01	8	45	4	8	6	0			6								
	10	10231	42	42	42	26	13	80	8	02	4	8	6	2			6								
	13	10235	42	42	42	24	16	16	8	02	2	8	6	1			6								
	16	10235	42	42	42	24	16	08	8	50	2	8	6	0			6								
	19	10238	42	42	42	25	12	08	8	02	2	8	6	0			6								
	22	10238	43	43	43	27	15	24	8	02	2	4	6	3	1		6			26	27	405	0006	44	41

Results of Surface Observations,
MACQUARIE – May, 1959

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	10237	43	42	42	27	17	03	8	50	2	8	6	0			6								
	04	10230	43	42	41	27	17	16	8	02	2	8	6	3			6								
	07	10224	43	43	43	27	19	16	7	02	2	7	6	3			6								
	10	10221	43	42	41	27	14	40	7	01	5	7	6	3			6								
	13	10195	42	42	42	28	14	08	8	10	4	8	6	2			6								
	16	10170	42	42	42	28	15	08	8	10	2	8	6	2			6								
	19	10156	42	42	42	30	16	04	8	47	4	8	6	2			7								
	22	10136	43	42	41	29	21	40	8	02	2	8	5	5			7			29	31	421	0002	43	41
20	01	10110	43	43	42	29	17	32	8	10	2	8	6	4			7								
	04	10083	43	43	43	29	17	02	8	54	5	8	6	1			7								
	07	10056	43	43	42	32	19	08	8	20	2	8	6	3			7								
	10	10022	43	43	43	31	16	16	8	03	2	8	5	4			7								
	13	9975	44	43	42	31	21	16	8	10	2	8	6	4			7								
	16	9940	44	44	44	31	23	08	8	10	5	8	6	3			7								
	19	9944	42	41	41	28	10	48	8	02	5	8	4	5			7								
	22	9934	41	40	39	29	13	90	2	01	1	0	0	9	3	0		7		31	35	368	0005	44	41
21	01	9910	41	40	39	29	16	80	4	25	2	4	3	5	0	0	7								
	04	9893	41	40	38	29	21	81	3	02	8	3	2	5	0	0	7								
	07	9868	41	40	39	29	21	80	6	03	8	6	8	5	0	0	7	6							
	10	9868	33	33	33	23	30	08	8	70	2	3	6	3	2		5								
	13	9904	33	31	28	22	22	40	6	85	8	6	8	4	0	0	5								
	16	9917	29	27	23	23	16	40	6	85	8	6	0	4	2	0	5	5							
	19	9922	28	25	17	20	08	72	6	16	7	2	2	5	2	0	5	5							
	22	9912	27	25	21	23	10	80	4	89	8	4	2	5	0	0	5			23	56	579	0006	42	23
22	01	9885	25	24	22	23	10	81	3	02	8	3	2	5	0	0	5								
	04	9870	26	25	22	18	05	81	6	26	7	6	2	5	0	0	5								
	07	9871	23	22	17	18	07	81	6	02	7	6	2	5	0	0	5								
	10	9855	25	23	18	22	05	48	8	70	1	8	2	4			5								
	13	9829	27	25	20	20	07	16	7	70	8	1	2	4	2	8	5								
	16	9822	27	25	21	18	04	08	7	70	7	1	2	4	2		5								
	19	9787	28	26	23	20	03	01	8	70	7	1	2	4	2		5								
	22	9774	29	28	24	22	12	40	6	02	7	3	2	4	2		5			23	32	255	0007	29	20
23	01	9761	29	28	26	22	10	40	6	27	8	6	2	5	0	0	5								
	04	9765	29	28	26	22	09	80	3	02	1	3	2	5	0	0	5								
	07	9757	29	28	26	22	15	80	6	02	7	6	2	5	0	0	5								
	10	9759	31	31	31	14	09	56	7	87	7	4	2	5	2		4	4							
	13	9750	32	30	27	14	14	80	4	87	8	2	2	5	2	0	3	4							
	16	9772	29	27	22	14	15	08	7	85	8	2	2	5	2		3	4							
	19	9826	25	24	21	14	14	08	7	85	8	7	3	5			3								
	22	9851	27	26	22	13	10	80	6	02	2	6	2	5	0	0	3			22	25	287	0013	32	25
24	01	9860	28	26	23	16	05	80	6	02	2	6	2	5	0	0	4								
	04	9879	27	26	23	14	04	80	4	02	7	4	2	5	0	0	4								
	07	9898	26	25	22	14	04	80	2	02	7	2	2	5	0	0	4								
	10	9913	28	27	25	16	04	81	3	02	7	3	2	5	0	0	4								
	13	9922	31	29	26	20	04	81	3	02	2	3	1	5	0	0	4								
	16	9929	30	29	26	16	03	81	6	02	7	6	1	5	0	0	4								
	19	9938	29	28	26	16	01	81	2	02	2	2	1	5	0	0	4								
	22	9951	30	29	25	18	01	81	4	02	2	4	1	5	0	0	4			14	23	233	0006	31	25
25	01	9961	29	28	24	16	02	81	1	02	1	1	1	5	0	0	4								
	04	9973	30	29	27	15	02	81	7	03	1	4	1	5	3		4								
	07	9991	31	29	27	16	04	81	3	01	1	3	1	5	0	0	4								
	10	10009	33	32	28	16	09	81	3	02	1	3	2	5	0	0	4								
	13	10035	33	31	28	15	10	81	5	03	1	5	2	5	0	0	4								
	16	10056	34	33	30	14	10	81	4	02	1	4	2	5	0	0	4								
	19	10077	33	32	29	14	05	81	4	02	1	4	2	5	0	0	4								
	22	10076	33	31	26	14	02	81	6	02	1	6	2	5	0	0	4			14	26	108	0000	35	28
26	01	10079	31	29	26	00	00	81	8	03	2	2	5	5	2		4								
	04	10065	34	32	28	25	03	80	8	02	2	3	6	4	2		6								
	07	10026	36	36	35	27	15	16	8	10	2	4	6	3	2		6								
	10	10000	38	38	38	26	19	40	8	10	5	8	5	5			6								
	13	9994	35	34	31	26	12	72	6	02	8	6	2	5	0	0	5								
	16	9994	36	34	30	14	07	56	7	02	2	7	5	5			3								
	19	9969	36	32	25	19	02	56	8	02	2	8	5	5			4								
	22	9941	35	31	23	00	00	80	7	02	2	7	5	5			6			22	29	212	0006	38	30
27	01	9897	36	33	27	36	02	80	8	70	2	8	0	5	2										
	04	9872	33	32	30	04	09	40	8	70	7	8	0	4	2										
	07	9863	34	34	34	07	21	24	8	69	7	8	0	4	2										
	10	9885	34	34	34	12	16	03	8	69	7	8	0	3	2			3							
	13	9894	34	33	32	12	16	08	8	26	7	8	0	4	2										
	16	9911	33	32	30	13	11	40	8	70	7	3	6	3	2		3	3							
	19	9917	31	30	29	13	10	08	8	71	7	4	6	2	2		3	3							
	22	9922	31	30	28	13	10	40	6	70	7	2	6	3	2	0	3	4		36	34	212	0011	36	30

Results of Surface Observations,
MACQUARIE – May, 1959

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	9919	31	30	28	13	12	80	5	02	2	5	6	4	0	0	3								
	04	9912	30	29	27	14	09	80	5	03	1	5	2	5	0	0	3								
	07	9912	30	28	24	14	10	80	5	02	2	5	2	5	0	0	3								
	10	9913	29	26	16	15	09	16	6	70	1	6	2	4	0	0	3								
	13	9907	32	31	27	13	07	80	6	02	7	2	1	4	0	1	3								
	16	9913	32	30	26	11	35	08	8	73	7	4	6	4	2		3								
	19	9944	34	33	30	12	35	16	8	70	7	6	6	4	2		3								
	22	9974	35	34	32	13	40	16	8	10	2	8	6	4			3			14	51	277	0013	35	28
29	01	9998	34	32	29	13	38	16	8	10	2	8	6	4			3								
	04	10019	34	32	28	11	30	16	8	02	2	8	6	4			3								
	07	10045	33	31	27	14	23	08	8	02	2	8	6	4			3								
	10	10069	31	29	25	14	21	24	7	01	2	7	8	5			3								
	13	10076	30	29	27	14	14	40	8	03	2	8	8	5			3								
	16	10082	30	29	27	14	15	40	8	02	2	8	6	4			3								
	19	10088	30	29	27	14	13	40	8	02	2	8	6	4			3								
	22	10089	31	30	27	13	11	80	7	02	2	7	6	4			3			14	47	510	0004	34	29
30	01	10084	33	32	30	16	05	40	8	70	2	8	6	4			3								
	04	10047	34	33	31	14	04	24	8	02	2	8	6	3			3								
	07	10083	36	35	33	00	00	16	8	02	2	8	6	3			3								
	10	10090	37	36	34	14	03	56	7	01	2	5	6	3	3		3	2							
	13	10107	36	35	33	13	07	80	6	01	1	6	2	5	0	0	3								
	16	10123	34	33	31	13	07	80	7	02	2	5	6	3	0	2	3								
	19	10137	34	32	29	13	05	80	6	02	2	6	6	3	0	0	3								
	22	10147	34	32	29	14	06	80	1	01	1	1	6	3	0	0	3			13	18	216	0001	37	32
31	01	10140	36	35	33	23	07	40	2	02	0	2	6	3	0	0	5								
	04	10129	38	37	36	23	16	40	8	03	1	8	6	3			5								
	07	10124	41	41	40	23	17	16	8	10	2	8	6	2			5								
	10	10126	40	40	40	23	20	24	7	10	2	6	6	2	3		5								
	13	10129	38	36	33	22	23	81	4	01	0	3	4	5	0	1	5								
	16	10153	38	36	33	18	05	81	6	03	1	4	6	4	0	1	4								
	19	10168	37	35	32	18	09	80	7	02	2	7	6	3			4								
	22	10176	37	35	32	20	02	80	6	02	2	6	6	3	0	0	5			23	40	235	0001	41	35

Results of Surface Observations,
MACQUARIE — Jun , 1959

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	10178	37	35	32	21	05	80	7	02	2	7	6	3			5								
	04	10158	39	38	37	25	11	40	8	61	2	8	6	3			6								
	07	10136	41	41	41	25	20	40	8	21	6	8	6	3			6								
	10	10126	41	41	40	25	21	24	8	60	6	8	6	3			6								
	13	10110	42	42	42	23	17	16	8	60	2	8	6	3			6								
	16	10102	42	42	42	23	24	16	8	02	2	8	6	2			6								
	19	10102	42	42	42	23	23	08	8	62	2	8	6	1			6								
	22	10101	42	42	42	23	21	03	8	50	2	8	6	0			6			23	37	304	0003	42	36
02	01	10086	42	42	42	25	22	24	8	10	2	8	6	2			6								
	04	10076	43	43	43	25	26	08	8	51	5	8	6	1			6								
	07	10070	43	43	43	25	23	08	8	61	5	8	6	1			6								
	10	10075	42	42	42	22	19	08	8	50	5	8	6	1			6								
	13	10046	42	42	42	25	23	08	8	62	2	8	6	0			6								
	16	10003	43	43	43	25	35	08	8	62	6	8	6	2			6								
	19	10003	43	43	42	22	23	08	8	02	2	8	6	3			6								
	22	10036	39	38	37	23	26	08	8	02	2	8	6	3			6			23	51	466	0013	43	36
03	01	10083	37	36	34	14	21	16	8	63	6	8	6	3			3								
	04	10156	35	33	28	14	09	40	5	03	2	5	2	4	0	0	3								
	07	10190	33	29	21	14	17	40	8	03	2	8	2	4			3								
	10	10220	31	30	28	14	10	80	7	02	2	7	5	4			3								
	13	10230	36	35	33	13	16	80	6	01	2	6	8	5	0	0	3								
	16	10235	30	30	29	15	05	80	7	02	2	7	8	5			3								
	19	10235	30	29	26	18	02	80	7	02	2	7	2	5			3								
	22	10230	32	32	31	14	06	40	9	02	2	8	2	5			3			14	28	424	0013	37	29
04	01	10226	32	31	29	14	01	24	7	02	2	7	2	4			3								
	04	10222	31	30	28	00	00	40	7	03	2	7	2	4			3								
	07	10197	33	31	28	29	08	40	3	02	2	3	2	4	0	0									
	10	10166	33	32	31	30	08	08	8	71	7	1	6	2	2		7	7							
	13	10109	39	38	37	29	26	24	8	02	7	8	6	2			7								
	16	10062	42	42	42	28	20	03	8	45	4	8	6	1			6								
	19	10025	42	42	42	27	22	03	8	45	4	8	6	1			6								
	22	9996	43	43	43	27	27	04	8	61	6	8	6	1			6			27	35	175	0002	43	30
05	01	9971	43	43	43	26	27	16	8	51	5	8	6	2			6								
	04	9959	43	43	43	22	17	16	8	50	5	8	6	2			6								
	07	9933	43	43	43	26	26	08	8	63	6	8	6	1			6								
	10	9937	43	43	43	27	26	08	8	61	6	8	6	1			6								
	13	9931	42	42	42	24	13	16	8	51	5	8	6	1			6								
	16	9934	41	40	39	23	15	40	8	03	2	8	6	2			5								
	19	9939	40	39	38	23	22	24	8	50	2	8	6	2			5								
	22	9946	39	36	31	23	24	40	5	05	5	5	6	3	0	0	5			23	41	592	0032	44	34
06	01	9940	38	36	33	25	17	40	7	05	2	7	6	3			6								
	04	9936	35	35	34	18	09	16	7	02	7	7	2	4			5								
	07	9968	36	34	30	14	08	40	6	03	1	6	2	4			3								
	10	10061	33	31	27	13	23	80	7	02	7	7	2	4			3								
	13	10119	34	32	27	13	13	80	7	02	3	7	5	4			3								
	16	10163	31	28	23	13	12	80	7	02	2	7	5	4			3								
	19	10186	31	29	25	13	07	80	5	01	2	5	5	4	0	0	3								
	22	10206	30	29	25	00	00	80	3	01	1	3	5	4	0	0	3			13	50	376	0015	38	30
07	01	10208	33	32	30	25	10	80	5	01	1	5	5	0	0	6			5						
	04	10204	35	33	28	26	17	16	8	03	2	8	6	4			6								
	07	10188	39	37	34	26	17	40	8	02	2	8	5	5			6								
	10	10162	40	39	38	27	22	16	8	50	6	8	6	2			6								
	13	10146	41	41	40	25	21	08	8	50	5	8	6	2			6								
	16	10139	41	41	41	25	10	02	8	47	4	8	6	0											
	19	10143	41	41	41	25	05	03	8	50	4	8	6	0											
	22	10149	41	41	41	24	08	03	8	45	4	8	6	0						26	30	278	0003	41	32
08	01	10142	41	41	41	25	09	08	8	60	6	8	6	2			5								
	04	10128	43	43	43	26	19	08	8	60	6	8	6	2			6								
	07	10124	43	43	43	26	19	08	8	02	6	8	6	2			6								
	10	10126	43	43	43	25	19	08	8	02	6	8	6	2			6								
	13	10126	43	43	43	25	17	03	8	47	4	8	6	0											
	16	10115	42	42	42	25	21	03	8	45	4	8	6	0											
	19	10095	43	42	42	27	21	03	8	01	4	8	6	3			6								
	22	10068	43	43	42	27	26	08	8	02	2	8	6	3			6			26	40	404	0012	43	40
09	01	10042	43	42	42	27	21	08	8	02	2	8	6	3			6								
	04	10013	43	43	43	27	20	08	8	61	6	8	6	3			6								
	07	10008	42	42	42	27	12	40	6	05	6	6	6	3			6								
	10	10006	42	41	40	27	17	40	8	05	2	8	6	3			6								
	13	10012	39	36	31	22	16	80	7	03	2	5	2	4	3		5								
	16	10006	39	36	31	23	13	81	3	01	0	3	2	4	0	0	5								
	19	9996	39	36	32	26	19	40	6	03	2	6	2	4	0	0	5								
	22	9978	40	37	32	26	17	40	6	03	2	6	2	4	0	0	6			27	43	555	0005	44	36

Results of Surface Observations,
MACQUARIE – Jun., 1959

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
10	01	9957	37	36	35	26	13	16	8	61	6	8	6	2			6								
	04	9949	36	33	27	23	13	40	6	05	6	6	6	3	0	0	6								
	07	9941	38	34	26	23	15	80	3	05	2	3	6	4	0	0	6								
	10	9944	36	35	32	23	20	80	7	03	7	7	2	3			5								
	13	9943	35	35	35	23	17	80	7	23	8	7	2	3			5								
	16	9950	34	32	27	23	16	80	7	02	8	7	2	4			5								
	19	9961	32	32	31	20	12	40	4	22	8	4	2	4	0	0	5								
	22	9961	33	32	29	23	10	40	4	22	8	4	2	4	0	0	5			23	34	384	0014	37	31
11	01	9930	36	34	30	26	12	40	6	02	2	6	2	4	0	0	6								
	04	9883	39	37	35	27	26	08	8	62	6	8	6	3			6								
	07	9820	41	41	41	27	24	08	8	54	5	8	6	2			6								
	10	9768	40	39	38	27	24	40	7	01	5	7	2	4			6								
	13	9703	42	41	40	27	27	24	8	80	8	8	2	3			6								
	16	9691	39	36	32	25	25	40	8	05	2	8	2	4			6								
	19	9668	35	34	31	26	35	16	8	88	2	8	2	4			6								
	22	9641	36	34	30	27	20	80	4	01	2	4	2	4	0	0	7			25	56	414	0015	41	35
12	01	9597	39	36	31	29	20	80	8	05	8	8	8	4			7								
	04	9566	34	34	34	20	05	40	8	69	6	8	6	3			5								
	07	9624	35	33	30	24	26	40	5	71	7	5	2	4	0	0	5								
	10	9648	35	35	33	23	11	40	7	70	7	7	2	4			5								
	13	9697	35	32	27	13	10	80	7	70	7	7	2	4			4								
	16	9756	31	31	30	18	05	24	8	71	7	8	8	3			4								
	19	9800	31	30	29	18	10	24	6	70	7	6	2	4	0	0	4								
	22	9858	30	29	27	13	07	80	8	02	7	8	8	4			4			13	34	508	0024	39	29
13	01	9882	30	29	26	13	12	80	6	02	7	6	2	4	0	0	4								
	04	9905	30	30	30	13	09	40	8	02	8	8	2	4			4								
	07	9923	30	30	30	13	10	40	8	02	8	8	2	4			4								
	10	9938	30	28	24	13	10	80	7	02	3	8	2	4			4								
	13	9914	29	28	26	13	09	80	7	02	3	7	5	4			4								
	16	9920	28	27	25	13	09	80	7	02	2	7	2	4			3								
	19	9905	28	27	23	20	09	80	7	70	2	7	2	4			3								
	22	9870	31	30	29	23	08	80	7	03	1	7	2	4	0	0	4								
14	01	9821	35	35	35	27	26	80	8	02	2	8	6	3			5			27	32	229	0016	35	26
	04	9757	36	36	36	29	30	40	8	80	8	8	8	4			6								
	07	9696	36	35	34	23	19	40	8	80	8	8	8	4			6								
	10	9721	36	35	32	22	26	80	6	03	8	6	8	4			5								
	13	9678	33	33	32	22	31	80	6	02	7	6	2	4	3	0	5								
	16	9688	33	32	30	23	23	80	5	70	7	5	2	4	0	0	5								
	19	9698	34	32	28	22	17	80	6	02	7	6	2	4	0	0	5								
	22	9715	31	31	31	12	09	80	8	73	7	8	2	4			3			23	56	412	0018	37	30
15	01	9783	31	28	23	14	12	40	8	72	7	8	2	4			3								
	04	9836	27	26	22	19	14	40	6	70	7	6	2	4	0	0	4								
	07	9861	28	27	24	18	07	80	3	01	2	3	2	4	0	0	5								
	10	9875	29	27	24	00	00	81	3	02	1	3	5	4	0	0	5								
	13	9866	31	30	29	22	05	40	4	26	8	4	8	4	0	0	5								
	16	9877	33	31	26	22	24	80	4	03	2	4	8	4	0	1	5								
	19	9883	34	32	28	23	14	40	8	03	2	6	8	4	0	5	5								
	22	9874	34	32	28	23	13	40	8	03	2	2	6	4	1		5			26	42	321	0003	35	24
16	01	9840	34	34	34	31	01	08	8	71	7	0	0	2			2								
	04	9835	35	35	34	07	07	08	8	51	5	8	6	3			3								
	07	9866	35	34	32	12	07	40	5	05	2	5	6	4	0	0	4								
	10	9905	33	31	27	12	04	81	2	01	1	2	5	5	0	0	5								
	13	9927	34	32	27	00	00	81	6	03	2	6	2	5	0	0	5								
	16	9924	37	36	34	26	14	16	8	50	2	8	6	2			6								
	19	9900	40	39	38	24	22	32	8	80	2	8	6	2			6								
	22	9862	43	43	42	24	23	16	8	21	6	8	6	2			6			25	35	250	0022	43	31
17	01	9859	43	43	43	23	24	08	8	50	5	8	6	2			5								
	04	9814	43	43	43	23	26	08	8	60	6	8	6	1			5								
	07	9786	44	43	42	24	39	24	8	51	5	8	6	2			5								
	10	9770	43	43	43	24	33	16	8	61	6	8	6	2			5								
	13	9831	39	37	35	23	32	40	8	05	6	8	6	4			5								
	16	9879	37	33	26	23	35	40	8	05	2	8	6	4			5								
	19	9906	38	33	23	23	31	40	8	05	2	8	6	4			5								
	22	9920	37	33	26	23	23	40	8	05	2	8	6	4			5			26	57	499	0016	44	36
18	01	9861	38	38	38	28	23	24	8	51	5	8	6	3			6								
	04	9786	35	35	35	26	35	08	8	63	6	8	6	2			6								
	07	9803	40	40	40	27	26	08	8	63	6	8	6	2			6								
	10	9839	43	43	43	22	21	08	8	02	6	8	6	2			5								
	13	9879	43	42	42	25	20	24	8	10	2	8	6	3			6								
	16	9910	42	42	42	25	20	24	8	05	2	8	6	3			6								
	19	9921	42	42	42	28	15	24	8	10	2	8	6	2			6								
	22	9927	42	42	42	31	13	16	8	51	5	8	6	2			7			26	61	578	0024	45	34

Results of Surface Observations,
MACQUARIE – Jun., 1959

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	9885	44	44	44	31	25	24	8	60	6	8	6	2			7								
	04	9874	45	44	44	29	31	24	8	02	2	8	6	3			7								
	07	9845	45	45	44	29	42	24	8	02	5	8	6	3			7			8					
	10	9876	45	45	45	28	30	24	8	02	2	8	6	3			7								
	13	9891	44	44	44	29	24	16	8	02	2	8	6	3			7								
	16	9895	44	44	44	27	26	08	8	02	2	8	6	2			6								
	19	9938	44	42	39	27	26	08	8	02	2	8	6	2			6								
	22	9955	43	42	41	29	21	40	8	01	2	8	5	5			7			29	57	602	0013	46	40
20	01	9948	43	42	41	29	23	16	8	02	2	8	6	3			7								
	04	9911	44	44	44	29	30	24	8	02	2	8	6	3			7								
	07	9874	44	44	44	29	33	16	8	50	5	8	6	3			7								
	10	9881	42	42	42	27	25	24	8	61	6	8	6	3			6								
	13	9883	41	41	41	28	14	08	8	51	5	8	6	1			6								
	16	9909	35	33	29	22	17	24	8	02	2	8	6	2			5								
	19	9936	35	32	27	23	15	80	5	01	1	5	2	5	0	0	5								
	22	9969	33	33	32	22	07	80	7	03	7	7	2	5			5			23	43	662	0005	45	27
21	01	9973	29	29	28	22	10	80	2	01	7	2	2	5	0	0	5								
	04	9987	31	30	28	25	16	80	5	70	7	5	2	5	0	0	6								
	07	10002	33	32	30	25	20	80	5	02	1	5	2	5	0	0	6								
	10	10016	33	32	29	23	16	81	4	01	1	4	2	5	0	0	5								
	13	10008	34	31	24	24	19	80	6	03	1	6	2	5	0	0	5								
	16	9998	34	31	24	24	17	80	7	02	1	7	2	5			5								
	19	9961	34	34	34	27	19	08	8	85	8	8	6	2			6								
	22	9967	33	33	33	22	22	01	8	88	8	8	6	2			5			25	53	394	0004	37	27
22	01	10016	32	30	26	20	22	80	6	03	1	6	2	5	0	0	5								
	04	10052	34	32	28	23	17	80	5	02	7	5	2	5	0	0	6								
	07	10074	36	34	31	25	20	80	6	02	2	6	2	5	0	0	6								
	10	10098	34	33	31	25	20	80	7	02	7	7	2	5			6								
	13	10116	37	35	32	24	19	80	7	27	8	7	2	5			5								
	16	10118	38	35	30	24	19	80	6	03	1	6	2	5	0	5	5		6						
	19	10120	37	35	33	24	19	80	2	01	1	2	2	5	0	0	5								
	22	10126	37	36	34	25	13	80	6	03	1	3	2	5	3	0	5	5		23	45	382	0008	38	31
23	01	10125	38	37	35	25	16	81	4	01	1	3	2	5	0	7	5								
	04	10116	38	37	36	23	16	80	7	54	5	3	2	5	1		5	5							
	07	10109	39	37	36	25	14	80	7	02	6	3	2	5	7		5	5							
	10	10091	40	38	36	29	17	08	8	10	2	6	6	1	2		6	6							
	13	10052	41	41	41	31	17	08	8	50	5	8	6	2			7								
	16	10021	42	42	42	30	19	08	8	61	6	8	6	2			7								
	19	9995	42	42	42	30	21	16	8	60	6	8	6	2			6								
	22	9971	43	43	43	30	21	40	8	10	2	8	6	4			6			27	27	430	0006	43	36
24	01	9949	43	43	43	30	21	08	8	21	6	8	6	2			6								
	04	9956	42	41	40	29	24	80	5	01	1	4	6	4	3	0	7								
	07	9954	43	43	42	29	26	80	6	03	1	6	6	3	0	0	7								
	10	9980	42	41	41	28	24	40	7	02	6	6	2	5	0	6	6		6						
	13	9982	43	42	41	29	23	40	6	10	2	2	6	4	3	6	6	6	6						
	16	9978	43	42	41	30	25	32	7	10	2	5	6	4	4		6	6							
	19	9968	43	42	41	29	24	32	8	10	2	8	6	3			6								
	22	9985	43	43	42	27	31	24	8	50	5	8	6	3			6			29	42	488	0024	43	39
25	01	10022	41	39	36	27	23	64	7	02	2	7	8	5			6								
	04	10065	40	38	35	27	26	40	8	03	2	8	2	5			6								
	07	10096	39	38	36	25	22	40	6	02	2	6	8	5	0	0	6								
	10	10132	40	38	35	25	19	80	6	03	5	6	5	5	0	0	5								
	13	10143	38	36	33	25	20	80	6	02	2	6	5	4	0	0	6								
	16	10161	38	36	33	25	20	80	8	03	2	8	5	4			6								
	19	10181	37	36	33	25	20	80	8	02	2	8	5	4			6								
	22	10191	39	37	35	27	22	81	3	01	2	3	5	4	0	0	6			27	30	576	0002	41	36
26	01	10203	39	39	39	27	20	16	8	10	2	8	6	3			6								
	04	10210	40	40	40	27	17	16	8	10	2	8	6	3			6								
	07	10207	41	41	41	26	19	16	8	10	2	8	6	3			6								
	10	10213	41	41	41	26	19	16	8	02	2	8	6	3			6								
	13	10205	41	41	41	27	17	03	8	47	2	8	6	1			6								
	16	10196	40	40	40	27	17	01	8	45	4	8	6	0			6								
	19	10183	40	40	40	27	15	01	8	45	4	8	6	1			6								
	22	10156	40	40	40	27	18	01	8	45	4	8	6	1			6			27	30	449	0000	41	38
27	01	10107	41	41	41	28	20	08	8	10	4	8	6	2			6								
	04	10069	41	41	41	28	24	08	8	10	5	8	6	3			6								
	07	9982	41	41	41	28	24	16	8	61	6	8	6	4			6								
	10	9931	40	38	35	27	30	80	7	02	2	7	2	5	4	5	6	6	6						
	13	9853	39	38	37	27	43	40	8	03	7	8	6	3			6								
	16	9833	38	37	35	23	47	16	8	62	2	8	6	3			5								
	19	9910	35	34	32	21	30	08	8	62	6	8	0	3	2										
	22	9995	34	33	32	21	25	08	7	02	6	7	6	3			5			23	76	495	0007	41	33

Results of Surface Observations,
MACQUARIE – Jun , 1959

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	10028	37	35	33	22	29	40	5	02	2	8	5	5			5								
	04	10053	38	35	30	22	25	40	6	02	5	6	6	4	0	0	5								
	07	10049	38	36	33	22	25	40	8	05	2	8	6	4			5								
	10	10026	39	38	36	25	30	40	8	02	2	8	6	4			6								
	13	9984	41	40	39	25	30	24	8	60	6	8	6	4			6								
	16	9962	42	41	41	25	30	16	8	61	6	8	6	3			6								
	19	9955	42	42	42	25	30	16	8	61	6	8	6	3			6								
	22	9953	42	42	42	25	27	16	8	61	6	8	6	3			6			22	61	601	0010	42	33
29	01	9967	42	42	42	25	26	16	8	61	6	8	6	3			6								
	04	9978	42	42	42	25	24	16	8	10	2	8	6	3			6								
	07	9982	42	42	42	25	22	16	8	10	5	8	6	3			6								
	10	9987	42	42	42	25	22	24	8	60	6	8	6	2			6								
	13	9986	43	43	43	25	19	08	8	10	6	8	6	2			6								
	16	9987	42	42	42	26	23	40	8	02	3	8	6	3			6								
	19	9978	42	42	42	26	22	16	8	50	5	8	6	3			6								
	22	9978	42	42	42	26	25	16	8	50	5	8	6	3			6			25	35	617	0022	43	41
30	01	9969	42	42	42	26	26	16	8	10	5	8	6	3			6								
	04	9976	41	41	41	26	17	16	8	63	6	8	6	2			6								
	07	9980	41	41	41	25	20	08	8	02	6	8	6	2			6								
	10	9974	41	41	41	27	16	40	8	02	2	8	6	0			6								
	13	9949	42	42	42	28	17	03	8	47	4	8	6	0			6								
	16	9923	40	39	38	25	21	24	8	02	5	8	6	3			5								
	19	9908	40	39	38	25	23	40	4	01	2	4	6	3	0	0	5								
	22	9884	40	39	38	25	30	40	8	03	2	8	6	3			5			25	37	526	0006	42	38

Results of Surface Observations,
MACQUARIE — Jul., 1959

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	9879	39	39	39	23	23	16	8	51	5	8	6	3			5								
	04	9881	37	36	34	20	30	16	8	51	5	8	6	3			5								
	07	9946	35	35	34	19	08	16	8	51	5	8	6	2			5								
	10	9937	35	35	35	21	01	81	7	01	2	4	5	5	3		5	5							
	13	9922	38	38	37	29	04	40	8	03	2	8	6	2											
	16	9905	38	37	36	23	17	40	8	03	2	8	6	3			5								
	19	9885	38	37	36	25	18	40	8	02	2	8	6	3			6			23	52	473	0003	40	34
	22	9850	40	39	38	27	18	80	8	02	2	8	6	3											
02	01	9878	39	37	34	23	35	40	8	02	8	8	6	3			5								
	04	9880	39	37	34	25	17	40	2	02	0	2	6	3	0	0	5								
	07	9867	39	39	39	25	30	16	8	80	8	8	2	5			5								
	10	9867	39	38	37	25	19	80	6	02	8	4	2	5	0	6	5		6						
	13	9862	39	38	37	24	14	80	7	02	2	7	2	5			5	5							
	16	9842	39	39	38	26	19	56	8	03	2	2	6	4	2		5								
	19	9834	39	37	35	24	09	80	6	01	2	2	6	4	2	0	5	5							
	22	9814	37	35	33	22	04	80	8	02	2	8	0	6	2		5			25	52	456	0013	41	33
03	01	9820	35	34	32	18	07	80	5	01	1	5	2	5	0	0	4								
	04	9844	37	34	29	22	09	80	7	03	8	7	2	5			5								
	07	9873	35	35	34	22	19	80	2	01	0	2	2	5	0	0	5								
	10	9894	37	36	33	22	20	81	2	02	8	2	2	5	0	0	5								
	13	9903	37	36	34	23	26	81	3	01	1	3	2	5	0	0	5								
	16	9921	37	34	29	23	17	81	5	03	1	6	2	5	0	0	5								
	19	9928	37	35	32	23	17	81	3	01	1	3	2	5	0	0	5			23	41	313	0001	40	31
	22	9929	39	37	35	25	11	80	4	02	2	4	2	5	0	0	5								
04	01	9895	40	39	39	28	23	40	8	60	2	8	6	3			6								
	04	9855	41	41	40	28	23	40	7	02	2	7	6	3			6								
	07	9810	41	40	39	29	25	40	8	02	2	8	8	3			6								
	10	9730	41	41	41	31	20	24	8	60	6	8	6	2	3		7								
	13	9663	42	42	42	32	19	40	8	21	2	8	6	3			7								
	16	9668	34	34	34	20	30	08	8	71	7	8	3	3			4								
	19	9730	36	34	30	22	26	40	3	02	8	3	2	5	0	0	5								
	22	9772	34	34	34	22	17	40	4	26	8	4	2	5	0	0	5			22	48	491	0005	41	31
05	01	9807	36	34	30	22	10	40	1	01	1	1	2	5	0	0	5								
	04	9858	36	34	30	22	12	80	3	02	1	3	2	5	0	0	5								
	07	9887	36	33	27	22	15	80	4	02	1	4	2	5	0	0	5								
	10	9917	37	35	32	22	20	80	8	03	2	4	8	4			5								
	13	9913	38	37	35	25	26	80	8	02	2	6	4	5	2		5	5							
	16	9888	39	39	38	25	27	40	8	60	2	8	6	3			5								
	19	9893	40	39	38	25	19	40	4	02	2	4	2	5	0	0	5								
	22	9891	37	37	37	22	22	16	7	27	8	7	2	5			5			22	51	415	0016	40	31
06	01	9905	39	36	31	22	26	40	5	02	8	5	2	5	0	0	5								
	04	9905	39	39	38	22	26	24	6	02	1	6	2	5	0	0	5								
	07	9905	38	37	36	22	24	16	8	50	5	8	6	3			5								
	10	9909	38	38	38	23	17	24	8	02	6	8	6	3			6								
	13	9889	40	40	40	25	27	24	8	02	6	8	6	3			6								
	16	9863	41	41	41	26	27	16	8	60	6	8	6	2			4								
	19	9856	37	37	37	16	08	16	8	60	6	8	6	2			3			22	43	543	0010	41	29
	22	9879	32	32	32	12	17	08	8	76	6	8	6	2											
07	01	9910	29	28	26	13	07	24	8	70	7	8	6	3			3								
	04	9926	30	29	27	22	17	32	7	70	7	7	2	4			5								
	07	9932	29	27	24	22	16	40	7	02	7	7	2	4			5								
	10	9925	30	29	27	23	23	80	4	01	7	7	2	5	0	0	5								
	13	9903	32	31	28	23	40	40	6	70	7	6	2	4	0	0	5								
	16	9926	24	23	20	20	35	24	7	70	7	7	2	4			5								
	19	9965	20	19	17	18	30	16	7	72	7	7	2	4			4								
	22	9990	21	20	18	16	25	16	8	71	7	8	2	4			4			23	82	406	0022	33	18
08	01	10016	19	19	16	20	25	16	8	71	7	8	2	4			5								
	04	10034	20	19	16	18	09	80	6	22	7	6	2	4	0	0	4								
	07	10041	21	20	16	16	08	80	8	70	7	8	2	4			4								
	10	10046	24	22	16	21	07	80	6	22	7	6	2	4	0	0	4								
	13	10034	28	26	22	22	12	80	8	02	8	6	2	4	1		5								
	16	9987	32	32	32	26	17	16	8	85	8	6	2	4	1		5								
	19	9939	33	33	33	25	22	16	8	85	8	8	2	4			6								
	22	9889	35	35	35	25	14	16	8	68	7	8	6	4			6			26	48	405	0002	35	17
09	01	9889	35	34	32	19	17	40	6	03	8	6	2	5	0	0	4								
	04	9912	31	30	28	15	09	80	4	02	1	4	2	5	0	0	5								
	07	9934	31	30	28	20	15	80	5	02	1	5	2	5	0	0	5								
	10	9939	32	31	30	22	17	64	6	26	1	6	2	8	0	0	5								
	13	9927	31	30	28	22	22	01	8	85	7	8	8	8			5								
	16	9924	31	31	30	22	30	32	7	27	8	8	7	8			5								
	19	9934	34	32	28	22	17	32	8	87	8	8	8	8			5								
	22	9939	35	32	26	22	22	40	8	03	8	8	8	8	5	5	5			22	57	356	0017	35	28

Results of Surface Observations, MACQUARIE — Jul., 1959

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	9961	35	31	22	22	26	32	6	03	1	5	8	5	0	0	5								
	04	9993	33	32	30	18	15	80	6	02	2	6	2	4	0	0	5								
	07	10006	33	31	28	20	10	80	4	01	2	4	2	4	0	0	5								
	10	10013	36	34	30	22	16	40	8	70	2	8	8	4			5								
	13	9991	38	38	37	23	16	24	8	10	2	8	6	3			6								
	16	9990	39	39	39	22	34	16	8	10	2	8	6	2			6								
	19	9990	40	39	39	23	23	16	8	10	2	8	6	2			6								
	22	9985	40	39	39	24	17	16	8	10	2	8	6	3			6			22	43	431	0003	40	32
11	01	9985	40	40	40	24	16	16	8	10	2	8	6	2			6								
	04	10003	40	40	39	24	20	24	8	10	2	8	6	3			6								
	07	10012	40	40	40	24	21	24	8	10	2	8	6	3			6								
	10	10025	40	39	39	24	22	24	8	10	2	8	6	3			6								
	13	10015	40	39	38	25	23	32	8	10	2	8	6	3			6								
	16	10019	40	39	39	25	21	24	8	10	2	8	6	3			6								
	19	10021	40	40	40	26	16	24	8	10	2	8	6	4			6								
	22	10007	41	40	40	27	10	40	8	10	2	8	6	4			6			23	42	417	0005	41	39
12	01	9995	41	41	40	28	19	40	8	60	2	8	6	4			6								
	04	9976	41	41	41	28	23	16	8	10	2	8	6	3			6								
	07	9947	42	41	40	28	23	16	8	61	2	8	6	3			6								
	10	9943	41	41	41	28	19	32	8	02	2	8	6	4			6								
	13	9938	42	41	40	26	18	16	8	10	2	8	6	3			6								
	16	9954	40	39	38	25	18	40	7	05	2	7	6	3			6								
	19	9960	41	40	39	26	18	40	6	05	2	6	6	3	0	0	6								
	22	9983	40	38	35	25	17	80	5	02	2	5	6	4	0	0	6			23	40	512	0005	42	39
13	01	10001	40	38	35	25	15	80	6	02	2	6	6	4	0	0	6								
	04	10018	39	38	36	25	15	80	1	01	1	1	1	5	0	0	6								
	07	10032	40	39	38	25	16	32	8	03	1	8	6	4			6								
	10	10044	41	40	39	27	14	80	7	02	2	7	6	5			6								
	13	10031	41	40	39	27	16	80	3	05	2	3	6	4	0	0	6								
	16	10010	40	39	38	28	21	80	7	05	2	7	6	3			6								
	19	9982	41	40	39	28	26	40	8	60	2	8	6	3			6								
	22	9971	41	41	41	27	30	24	8	10	2	8	6	2			6			28	45	464	0000	42	38
14	01	9959	41	41	41	27	26	24	8	10	2	8	6	3			6								
	04	9930	41	41	41	28	24	24	8	10	2	8	6	3			6								
	07	9893	41	41	41	29	26	24	8	10	2	8	6	3			7								
	10	9846	42	41	40	29	26	32	8	10	2	8	6	4			7								
	13	9780	41	40	40	29	31	32	8	61	2	8	6	4			7								
	16	9774	37	36	35	18	10	16	8	60	2	8	6	2			4								
	19	9829	38	36	33	22	19	40	6	03	2	6	5	5	0	0	5								
	22	9838	39	36	31	26	22	40	3	03	2	2	2	5	3	0	6	6		22	46	586	0004	42	34
15	01	9800	38	36	34	29	16	24	8	80	2	8	2	5			6								
	04	9745	40	38	34	26	35	64	4	01	2	8	2	5	0	0	6								
	07	9809	36	35	33	22	17	56	8	25	2	8	2	5			5								
	10	9805	37	36	35	25	09	32	8	66	2	8	2	5	2		6								
	13	9782	35	35	34	00	00	32	8	03	2	8	2	5	2		3								
	16	9798	36	33	27	00	00	32	8	02	2	8	2	5	2		4								
	19	9827	37	34	30	23	13	32	8	80	2	8	2	5			5								
	22	9860	35	34	32	23	22	40	3	27	1	3	2	5	0	0	5			25	54	518	0033	41	32
16	01	9890	35	32	27	23	28	32	8	02	2	6	2	4	3		6								
	04	9900	34	32	28	22	22	40	6	87	2	6	2	4	0	0	5								
	07	9911	32	31	30	22	17	40	6	88	2	6	2	4			5								
	10	9924	35	33	31	22	16	16	7	87	2	7	2	4			5								
	13	9937	36	34	29	22	17	64	6	15	2	4	2	5	3		5	5							
	16	9950	37	33	25	23	15	80	6	02	2	4	2	5	0		5	6							
	19	9956	35	34	33	25	07	64	0	01	1	0	0	9	0		6								
	22	9936	38	37	35	29	07	48	8	10	2	8	5	5			6			23	43	354	0007	38	31
17	01	9926	35	35	35	00	00	32	8	10	5	8	5	5			6								
	04	9965	35	34	33	20	12	40	7	10	2	7	5	4			6								
	07	10034	36	33	27	20	15	40	6	05	2	6	8	4	0		6								
	10	10069	36	32	25	23	16	80	6	05	2	6	2	5	1	0	6	5							
	13	10063	38	36	33	25	16	64	8	02	2	6	5	5	1	5	6	5							
	16	10035	38	37	34	27	16	64	8	22	7	3	5	5	2	6	6	6							
	19	9975	40	39	38	27	31	24	8	51	6	2	5	5			6								
	22	9950	41	41	40	27	25	40	7	20	5	4	6	4	1		6	6		27	43	285	0008	42	33
18	01	9916	42	41	40	27	28	56	8	02	2	8	5	5			6								
	04	9867	42	42	41	28	35	16	8	61	2	8	6	2			6								
	07	9832	42	41	40	28	30	16	8	21	6	8	6	2			6								
	10	9824	42	39	34	26	38	40	6	02	2	2	6	2	2		6	6							
	13	9826	41	38	33	25	40	24	8	05	2	3	6	3	2		6								
	16	9833	39	36	32	25	37	40	5	05	2	3	6	4	0	2	6								
	19	9849	38	36	33	25	37	40	4	05	2	3	6	4	0	1	6		6						
	22	9872	38	35	30	24	32	40	5	05	2	5	1	4	0	0	6			25	64	648	0009	43	38

Results of Surface Observations,
MACQUARIE — Jul., 1959

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	9882	38	35	30	24	27	40	8	05	8	8	8	4			6								
	04	9881	38	36	33	25	26	40	5	03	1	5	2	4	0	0	6								
	07	9874	35	34	32	25	22	24	5	02	8	5	2	5	0	0	6								
	10	9876	35	33	29	23	19	16	6	85	8	4	2	5	2	1	5	5							
	13	9881	32	31	30	21	23	80	5	87	8	5	2	5	0	0	5								
	16	9882	36	35	33	23	25	80	6	02	8	6	2	4	0	0	5								
	19	9883	33	33	32	24	25	40	7	88	8	7	2	4			5								
	22	9859	35	35	35	25	20	16	8	84	8	8	2	4			6			23	46	658	0003	38	31
20	01	9851	35	35	35	23	20	24	8	84	8	8	8	4			6								
	04	9885	35	35	35	24	26	40	8	83	8	8	2	4			6								
	07	9955	33	33	32	20	16	72	5	26	7	5	2	4	0	0	5								
	10	9999	35	33	29	22	21	81	5	26	7	4	2	5	0	1	5								
	13	10033	38	36	34	22	25	40	6	03	2	6	2	5	0	0	5								
	16	10063	38	35	32	22	27	40	6	02	2	6	2	5	0	0	5								
	19	10085	38	36	33	22	16	40	8	03	2	8	5	5			5								
	22	10101	38	38	38	23	09	40	6	01	2	3	2	5	3	0	5			23	62	447	0029	39	32
21	01	10113	39	39	39	24	16	40	6	03	2	3	2	5	5	0	5	5							
	04	10112	39	39	38	25	16	48	7	02	2	4	6	4	1		6	6							
	07	10131	39	39	39	24	15	48	8	02	2	8	6	4			6		6						
	10	10153	38	38	38	24	09	08	6	10	2	3	6	1	0	9	6								
	13	10171	39	39	39	00	00	00	8	47	4	8	6	0											
	16	10185	39	39	39	26	03	08	7	10	5	7	6	1			6								
	19	10189	38	38	38	00	00	16	3	40	5	3	6	4	0	0									
	22	10196	37	37	37	27	04	08	8	12	4	8	6	1			6			23	25	358	0001	39	37
22	01	10201	37	37	37	28	06	04	8	44	4	6	6	0	0	1	6		6						
	04	10199	37	37	37	00	00	01	8	47	4	8	6	0											
	07	10200	39	39	39	32	08	03	8	51	5	8	6	2			7								
	10	10204	39	39	39	32	13	08	8	40	4	8	6	2			7								
	13	10191	39	39	39	32	13	03	8	44	4	8	6	2			7								
	16	10184	39	39	39	32	10	08	8	40	4	8	6	2			7								
	19	10180	40	40	40	31	12	08	8	40	4	8	6	2			7								
	22	10186	41	41	41	31	14	24	8	10	4	8	6	3			7			31	26	204	0004	41	36
23	01	10183	41	41	41	29	10	24	8	10	5	8	6	4			7								
	04	10186	42	41	40	32	08	24	8	03	2	8	6	4			7								
	07	10186	41	40	39	00	00	24	8	03	2	8	6	4			7								
	10	10189	41	40	39	32	04	40	8	03	2	8	5	5			7								
	13	10172	41	39	37	32	03	64	8	02	2	8	5	5			8								
	16	10165	41	39	37	31	04	48	8	02	2	8	5	5			8								
	19	10158	41	40	39	32	06	48	8	02	2	8	5	5			8								
	22	10167	42	40	38	32	04	24	8	02	2	8	2	5			7			32	39	309	0002	42	39
24	01	10162	42	40	37	32	14	24	7	03	2	7	2	5			7								
	04	10152	42	40	38	30	22	48	7	02	2	7	5	5			8								
	07	10157	42	40	37	30	24	48	8	02	2	8	5	5			8								
	10	10171	42	40	37	31	19	48	6	01	2	5	5	5	0	2	8								
	13	10185	42	41	40	32	15	80	4	05	1	4	2	5	0	0	7								
	16	10201	41	40	40	32	09	80	2	05	1	0	0	9	1	0		6							
	19	10208	41	40	39	31	09	40	2	00	0	0	0	9	1	0		6							
	22	10222	40	40	39	29	07	40	0	02	0	0	0	9	0	0				31	43	324	0000	42	40
25	01	10239	40	40	40	29	04	40	7	02	2	0	0	9	1				6						
	04	10241	40	40	40	29	05	40	7	02	2	7	5	5			8								
	07	10250	40	39	38	30	07	56	7	02	2	7	5	5			8								
	10	10259	41	40	39	30	10	48	8	02	2	8	5	5			7								
	13	10271	40	39	38	30	10	40	8	03	5	8	5	5			7								
	16	10271	42	39	34	30	13	40	8	03	2	8	5	5			7								
	19	10277	41	39	36	31	09	24	8	03	2	8	5	5			7								
	22	10280	41	39	36	31	10	24	8	02	2	8	5	5			7			29	18	301	0000	42	39
26	01	10283	40	39	38	30	12	24	7	02	2	7	2	5			7								
	04	10288	41	39	37	29	11	40	7	02	2	7	2	5			7								
	07	10291	41	39	37	29	11	80	8	02	2	8	2	5			7								
	10	10293	40	39	38	30	09	80	7	25	8	7	2	5			7								
	13	10272	41	40	39	30	05	81	4	01	2	4	2	5	0	0	8								
	16	10263	40	39	38	30	05	80	3	02	1	1	6	4	4	0	8								
	19	10253	39	39	38	31	07	56	3	02	1	2	6	3	4	0	8								
	22	10241	39	38	37	30	06	48	8	03	1	8	6	3			8			29	18	341	0001	41	39
27	01	10221	39	38	37	29	06	32	3	10	2	3	6	3	0	0	8								
	04	10195	39	39	38	29	04	40	7	10	2	7	8	3			8								
	07	10182	39	38	36	29	03	80	6	02	2	6	8	3	0	0	8								
	10	10170	38	37	36	31	07	81	4	01	2	4	8	3	0	0	8								
	13	10150	39	38	36	31	09	81	4	03	2	4	2	5	0	0	7								
	16	10135	38	37	35	31	03	80	5	03	2	5	2	5	0	0	7								
	19	10121	37	35	33	00	00	40	4	02	2	4	2	5	0	0	7								
	22	10112	37	36	34	00	00	40	2	02	1	2	5	5	0	0	2			29	17	240	0001	40	36

Results of Surface Observations,
MACQUARIE – Jul., 1959

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	10101	36	36	36	08	06	24	3	25	1	3	6	4	0	0	6								
	04	10086	37	36	35	07	05	80	5	02	2	5	8	4	0	0	8								
	07	10074	37	36	34	07	07	80	5	02	2	5	5	5	0	0	8								
	10	10076	37	37	37	08	10	08	8	51	5	8	6	2			1								
	13	10053	38	38	38	07	07	08	8	40	5	8	6	2			1								
	16	10042	39	39	39	07	04	24	8	10	5	8	6	3			1								
	19	10038	39	39	38	04	02	40	5	01	2	6	4	3			8	8							
	22	10034	39	38	38	36	03	24	4	10	2	4	6	4	0	0	8			02	17	167	0002	39	36
29	01	10021	39	38	38	36	02	32	3	10	1	3	6	4	0	0	8								
	04	10006	39	39	39	36	03	24	8	10	2	8	6	3			8								
	07	10000	40	40	40	31	10	08	8	51	2	8	6	2			7								
	10	9996	40	40	40	31	05	16	8	10	6	8	6	1			7								
	13	9980	38	38	38	29	05	16	7	10	2	7	6	2			7								
	16	9961	39	39	38	31	17	40	5	03	2	5	8	5	2	1	6	6							
	19	9942	40	39	39	32	16	40	8	61	6	8	6	4			6								
	22	9935	40	40	40	28	10	16	8	51	5	8	6	4			6			31	29	145	0005	40	37
30	01	9926	40	40	40	28	10	24	5	03	1	3	5	5	0	0	6								
	04	9905	40	40	40	29	12	16	8	10	5	8	6	3			6								
	07	9897	40	40	40	29	08	24	8	10	2	8	6	3			6								
	10	9875	40	40	40	28	03	24	8	10	2	8	6	2			6								
	13	9842	38	38	37	26	04	40	8	61	5	8	6	4			6								
	16	9837	39	36	31	23	16	81	5	02	1	2	6	4	1	4	5	5	5						
	19	9841	36	35	32	26	16	40	2	01	1	2	5	4	0	0	5								
	22	9837	38	36	33	27	16	64	2	02	1	2	5	4	0	0	6			25	44	331	0006	41	34
31	01	9831	35	34	32	23	14	32	6	56	7	6	5	5	0	0	6								
	04	9825	33	33	32	23	13	24	7	70	7	7	8	5			6								
	07	9825	36	34	30	23	15	80	5	02	7	5	2	5	0	0	6								
	10	9834	34	33	31	23	21	48	7	85	7	3	6	4	0	2	6	6	6						
	13	9825	37	36	33	25	20	64	6	16	7	6	3	5	0	0	6								
	16	9815	37	35	32	25	24	48	7	26	8	4	2	5	0	5	6								
	19	9824	36	34	31	24	21	64	4	02	7	3	2	5	0	2	6		6						
	22	9832	34	33	32	23	16	48	5	27	7	5	2	5	0	0	6		6	25	47	386	0017	38	30

Results of Surface Observations,
MACQUARIE — Aug., 1959

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	9848	32	32	31	20	21	40	7	27	7	7	2	5			6								
	04	9908	35	33	29	22	20	80	5	02	2	5	2	5	0	0	6								
	07	9937	36	34	30	22	18	80	8	03	2	8	2	5			6								
	10	9946	36	34	30	23	16	80	6	02	2	7	2	5	0	0	6								
	13	9950	38	35	30	24	16	81	7	02	2	7	2	5			6								
	16	9952	38	35	30	25	15	80	7	02	2	7	5	5			6								
	19	9947	38	36	33	27	10	56	6	02	2	6	5	5	0	0	6								
	22	9936	37	36	35	29	08	40	8	61	6	8	6	4			7			22	42	477	0009	38	33
02	01	9910	38	37	36	00	00	24	8	61	6	8	6	3			4								
	04	9903	41	41	41	26	14	08	8	51	5	8	6	2			6								
	07	9910	41	41	41	26	09	08	8	51	6	8	6	2			6								
	10	9934	41	41	41	25	10	16	8	10	5	8	6	2			6								
	13	9940	40	40	40	27	08	08	8	50	5	8	6	2			6								
	16	9937	41	41	41	27	09	08	8	51	5	8	6	2			6								
	19	9935	41	41	41	27	10	08	8	50	5	8	6	2			6								
	22	9933	41	41	41	28	10	16	8	10	4	8	6	2			6			25	22	358	0019	41	36
03	01	9927	41	41	41	28	13	16	8	10	2	8	6	2			6								
	04	9914	41	41	41	28	12	16	8	10	2	8	6	3			6								
	07	9901	42	41	41	30	10	24	8	10	2	8	6	4			7								
	10	9886	43	43	43	30	12	08	8	50	6	8	6	2			7								
	13	9871	43	43	43	00	00	16	8	58	5	8	6	2			7								
	16	9844	43	43	43	25	03	08	8	61	6	8	6	2			7								
	19	9830	40	40	40	29	08	16	4	44	6	4	6	2	0	0	7								
	22	9820	39	39	39	26	02	16	4	10	2	4	6	2	0	0	7			31	30	392	0012	43	37
04	01	9811	39	39	39	31	04	16	8	10	2	8	6	3			7								
	04	9788	40	40	40	00	00	24	7	10	2	7	6	3			7								
	07	9760	40	40	40	00	00	40	4	05	2	4	5	5	0	0	7								
	10	9737	40	39	39	00	00	64	6	02	2	3	6	4	4	0	7	8							
	13	9705	40	40	40	27	12	03	8	80	2	8	6	2			7								
	16	9732	39	39	39	25	16	08	8	50	2	8	6	3			6								
	19	9764	38	38	38	23	19	08	8	40	2	8	6	3			6								
	22	9806	36	35	33	22	16	24	4	10	2	4	5	5	0	0	6			23	26	197	0027	41	34
05	01	9631	35	34	32	23	11	24	3	10	2	3	6	2	0	0	6								
	04	9858	35	32	26	23	05	80	4	01	2	4	6	4	0	0	6								
	07	9871	33	32	30	00	00	40	6	70	2	6	6	4	0	0	6								
	10	9875	35	33	31	00	00	80	6	02	2	5	5	5	0	4	7		7						
	13	9873	35	34	32	32	04	80	7	02	2	5	5	5	0	4	7		7						
	16	9862	38	36	34	03	09	72	8	02	2	5	5	5			1								
	19	9844	38	38	38	07	10	08	8	63	6	8	6	3			2								
	22	9830	42	42	42	32	07	04	8	47	6	8	6	3			7			07	17	312	0007	42	32
06	01	9835	38	38	38	23	10	07	8	43	5	8	6	3			6								
	04	9857	40	40	40	27	02	08	8	55	5	4	6	3	1		6	6							
	07	9850	41	41	41	36	02	08	8	03	5	8	6	3			6								
	10	9833	43	42	42	04	02	24	8	02	2	8	6	3			1								
	13	9816	44	43	43	04	04	24	8	10	2	8	6	2			1								
	16	9788	42	41	40	32	06	24	5	10	2	3	6	3	0	2	8								
	19	9798	42	40	38	33	20	80	0	01	1	0	6	9	0	0									
	22	9794	43	42	41	33	27	80	4	05	1	4	6	4	0	0	8					206	0020	44	38
07	01	9784	41	40	38	34	25	80	5	02	8	5	6	4	0	0	8								
	04	9783	39	38	38	34	19	40	7	02	2	7	8	5			7								
	07	9803	38	36	33	29	19	40	8	02	2	6	8	5			7								
	10	9832	38	36	33	28	09	80	7	01	2	6	8	4	8		6	6							
	13	9850	35	34	32	27	10	80	7	02	2	8	8	4			6								
	16	9876	34	32	28	25	17	80	5	01	2	7	8	4	0	0	6								
	19	9898	31	30	29	25	15	80	5	70	2	5	8	4	0	0	6								
	22	9927	33	32	30	25	17	80	8	02	7	8	8	4			6			22	35	508	0005	41	30
08	01	9957	33	32	30	25	18	48	8	02	2	8	8	4			6								
	04	9971	34	34	34	26	19	32	8	02	2	8	6	3			6								
	07	9990	34	32	28	27	16	64	8	02	2	8	5	5			6								
	10	10013	35	32	26	28	12	80	8	02	2	8	5	5			6								
	13	10017	36	33	27	31	21	80	8	02	2	8	5	5			7								
	16	10019	38	36	33	32	23	80	8	02	2	8	5	5			7								
	19	10013	40	39	38	32	31	40	8	61	6	8	5	4			7								
	22	10014	41	40	39	32	24	40	8	02	6	8	5	4			7			32	35	299	0001	41	32
09	01	10015	41	40	39	32	28	40	7	01	2	7	5	5			7								
	04	10005	42	41	40	32	30	40	8	02	2	8	5	5			7								
	07	10009	42	41	41	32	24	16	8	10	2	8	6	3			7								
	10	10007	42	41	41	33	23	32	8	02	2	8	6	4			7								
	13	9992	43	42	41	35	19	24	8	02	2	8	6	3			7								
	16	9957	43	42	41	35	23	16	8	62	6	8	6	2			7								
	19	9927	42	42	42	32	27	02	8	63	6	8	6	0			7								
	22	9958	39	38	38	29	21	16	5	10	4	5	5	5	0	0	7			32	37	514	0005	43	38

Results of Surface Observations,
MACQUARIE – Aug., 1959

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	9980	40	39	38	30	24	32	4	10	1	4	5	5	0	0	7								
	04	9997	39	38	37	31	18	80	5	01	0	5	8	5	0	0	7								
	07	9999	39	38	37	32	17	81	2	01	0	2	5	5	0	0	7								
	10	9994	40	39	38	35	09	80	8	03	1	0	2	5	0	3	7	7	7						
	13	9959	41	41	40	36	21	08	8	40	2	0	0	9											
	16	9928	41	41	40	36	09	08	8	40	4	8	8	3											
	19	9897	41	40	39	36	10	24	8	10	4	8	6	5											
	22	9867	42	41	40	36	20	08	8	50	4	8	6	3			8			34	50	460	0024	43	39
11	01	9827	43	42	41	36	29	08	8	25	5	8	6	3											
	04	9810	41	39	37	33	24	16	8	02	2	8	6	4			8								
	07	9793	41	39	35	32	37	80	4	01	1	4	6	5	0	0	7								
	10	9817	41	39	36	32	37	48	7	05	2	7	6	5			7								
	13	9817	39	38	36	31	35	48	6	25	8	4	8	5	0	0	7								
	16	9843	39	37	34	30	33	32	6	15	8	6	5	5											
	19	9872	38	36	33	29	30	64	4	02	2	4	5	5	0	0	7								
	22	9908	37	36	33	28	35	24	8	81	2	8	6	3			6			31	55	500	0002	43	35
12	01	9928	36	34	30	28	30	16	8	02	2	8	6	3			6								
	04	9956	37	35	32	27	31	80	5	02	2	5	6	5	0	0	6								
	07	9982	38	36	33	27	22	80	5	02	2	2	6	5			6								
	10	10001	40	39	37	28	19	56	7	02	2	2	6	5	0	0	6								
	13	10001	41	40	39	31	21	80	8	03	1	2	8	5			7								
	16	10015	40	40	39	30	18	56	7	02	2	7	5	4	1		7	6							
	19	10021	40	39	38	31	16	80	8	02	2	4	5	5			7								
	22	10027	39	39	38	30	08	80	8	02	2	7	5	5	3	1	7	6		28	50	614	0002	41	35
13	01	10022	39	38	36	34	06	40	7	58	2	7	2	5			7								
	04	10000	40	38	35	04	08	64	6	02	2	6	5	4			8								
	07	9989	40	39	37	00	00	48	5	02	2	5	5	5	0	0	7								
	10	9980	40	38	34	00	00	80	6	02	2	3	5	4	0	0	8								
	13	9956	40	38	36	36	10	80	7	20	2	3	5	5	1	5	1								
	16	9936	41	39	36	05	14	56	8	02	2	3	5	5	1		1								
	19	9924	41	39	37	07	17	40	8	02	2	3	5	4	1	4	1								
	22	9906	41	40	38	09	14	24	8	61	2	8	5	5			1			04	39	262	0001	41	39
14	01	9882	41	40	40	00	00	08	8	61	6	8	5	3			1								
	04	9867	40	40	40	34	07	08	8	55	6	8	6	2			8								
	07	9883	39	39	39	32	16	03	8	55	5	8	6	0			8								
	10	9904	38	38	38	29	16	80	7	01	2	6	6	5	5		7								
	13	9921	39	37	33	27	17	80	6	02	2	5	6	5	0		7								
	16	9935	39	37	34	28	17	64	3	02	1	3	8	5	0	4	6								
	19	9956	37	36	34	27	17	64	5	02	1	4	8	5	0	1	6								
	22	9977	38	35	31	25	19	80	2	02	1	2	8	5	0	0	6			27	28	273	0024	41	36
15	01	9993	38	36	33	27	14	64	4	02	1	4	8	5	0	0	6								
	04	10007	39	37	35	30	17	24	8	03	2	8	8	5	0	0	7								
	07	10017	39	38	36	31	20	40	5	01	2	5	8	5			7								
	10	10034	39	39	38	30	17	64	7	03	2	6	8	5	0	0	7								
	13	10056	39	38	37	25	12	16	7	02	8	4	6	5	4	2	6								
	16	10084	37	34	29	25	11	80	5	87	1	5	6	5	3	0	6								
	19	10108	37	34	28	27	09	80	3	01	2	3	6	5	5	0	6								
	22	10124	36	35	33	27	14	32	8	58	2	8	6	4	0	2	6			29	37	333	0004	40	34
16	01	10128	37	35	32	27	23	64	6	01	2	4	5	5			6								
	04	10129	39	37	35	28	20	48	8	02	2	8	5	5	3	0	6								
	07	10133	39	37	35	28	22	64	7	02	2	7	5	5			6								
	10	10141	39	39	39	29	24	08	8	40	2	8	6	2			6								
	13	10145	40	40	40	29	21	02	8	40	5	8	6	0			6								
	16	10140	39	39	39	28	19	04	8	43	4	8	6	0			6								
	19	10141	39	39	39	28	19	08	8	01	4	8	6	2			6								
	22	10138	39	39	39	29	24	04	8	12	4	4	6	2	1		6	6		27	31	319	0002	40	35
17	01	10135	39	39	39	28	21	08	8	10	5	4	6	2	1		6								
	04	10128	40	40	40	28	20	06	8	40	5	8	6	2			6								
	07	10128	40	40	40	28	17	05	8	45	4	8	6	3			6								
	10	10116	40	40	40	28	24	16	8	40	4	8	6	1			6								
	13	10089	40	40	40	30	26	08	8	10	4	8	6	2			6								
	16	10073	41	41	41	30	26	08	8	02	2	8	6	5			6								
	19	10097	38	36	34	25	36	40	7	03	2	7	6	5			5								
	22	10124	37	37	36	24	36	32	6	01	2	6	6	5	0	0	5			28	54	439	0003	41	35
18	01	10137	37	35	32	26	23	32	6	02	2	6	6	5	0	0	6								
	04	10126	38	37	34	26	16	32	8	03	2	6	6	4	2		6								
	07	10096	38	37	35	31	19	32	8	61	2	6	6	2	2		6								
	10	10056	41	41	41	30	30	16	8	61	6	8	6	2	2		7								
	13	10056	41	41	41	28	27	16	8	51	5	8	6	2	2		6								
	16	10055	40	40	40	27	18	16	8	51	5	7	6	2	2		6								
	19	10035	41	41	41	29	21	16	8	61	6	7	6	2	2		6								
	22	10011	41	41	41	30	31	16	8	61	6	7	6	2	2		7			29	49	491	0011	41	36

Results of Surface Observations,
MACQUARIE – Aug., 1959

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	9988	41	41	40	29	35	40	8	05	6	4	6	3	2		6	6							
	04	9973	41	41	41	29	39	32	8	50	6	8	6	2			6								
	07	9966	41	41	40	29	33	32	8	02	5	8	6	3			6								
	10	9964	42	41	40	29	35	32	8	02	2	8	6	3			6								
	13	9978	41	41	41	27	25	16	8	61	2	8	6	3			6								
	16	9982	40	40	40	29	20	24	8	10	6	8	6	3			6								
	19	9990	40	40	40	28	15	16	8	51	6	8	6	2			6								
	22	10009	40	40	40	25	05	16	8	51	5	8	6	1			6			29	50	555	0014	42	38
20	01	10004	39	39	39	31	03	08	8	51	5	8	6	1			6								
	04	9992	40	40	40	30	10	08	8	53	5	8	6	1			6								
	07	9983	40	40	40	31	10	08	8	53	5	8	6	3			7								
	10	9976	41	41	41	32	19	12	8	10	5	8	6	2			7								
	13	9944	41	41	41	33	10	12	8	40	8	8	6	2			7								
	16	9917	41	41	41	33	14	12	8	40	6	8	6	2			8								
	19	9912	38	38	37	23	16	32	8	61	6	8	6	4			6								
	22	9914	40	39	38	24	19	48	8	02	6	7	5	5	7		5			25	37	319	0018	41	38
21	01	9929	39	38	36	25	24	80	4	02	2	4	2	5	0	0	6								
	04	9947	37	36	34	26	22	56	8	02	2	8	8	5			6								
	07	9943	38	38	38	28	28	08	8	50	5	8	6	1			6								
	10	9938	40	40	40	28	28	16	8	80	8	8	6	3			6								
	13	9913	40	40	40	30	25	24	8	60	6	8	6	4			7								
	16	9901	38	37	37	27	20	40	8	66	6	8	6	4			6								
	19	9894	36	35	34	27	21	56	6	01	8	6	8	5	0	0	6								
	22	9885	34	33	32	26	20	64	7	26	2	7	8	5			6			27	50	390	0014	40	32
22	01	9882	35	33	28	26	23	72	7	89	8	7	2	5			6								
	04	9880	31	30	28	25	35	80	6	02	7	6	2	5	0	0	6								
	07	9884	30	29	28	20	15	16	8	70	7	8	8	4			5								
	10	9919	32	31	29	25	25	80	7	87	7	7	8	4			6								
	13	9953	33	31	28	23	17	81	4	26	8	4	2	5	0	0	5								
	16	9979	32	31	28	21	10	81	3	02	2	3	2	5	0	0	5								
	19	9987	32	31	29	27	16	40	3	02	2	3	2	5	0	0	5								
	22	9980	32	31	29	31	10	24	8	85	3	8	2	5			6			25	57	478	0010	35	27
23	01	9962	34	33	31	34	10	16	8	71	7	3	2	5	2		7	7							
	04	9962	37	35	32	36	07	80	7	70	7	7	8	4			6								
	07	9991	38	36	33	25	15	80	8	02	8	8	8	4			6								
	10	10016	36	35	32	25	23	40	8	10	8	8	8	4			6								
	13	10023	39	37	34	27	22	40	5	03	2	4	2	5	2	1	6	6							
	16	10018	39	39	38	28	28	08	8	03	2	8	6	2			6								
	19	10020	40	40	40	28	23	01	8	45	4	8	6	0											
	22	10011	40	40	40	29	19	01	8	51	5	8	6	2			6			25	40	284	0007	41	32
24	01	9992	41	41	41	29	30	08	8	02	2	8	6	2			6								
	04	9954	41	41	40	30	34	16	8	60	6	8	5	5			6								
	07	9923	41	41	40	30	34	08	8	40	6	8	6	3			6								
	10	9963	39	38	36	26	37	32	7	80	8	7	8	5			6								
	13	10052	37	36	35	24	30	40	6	02	2	6	2	5	0	0	5								
	16	10081	37	36	35	25	40	80	6	02	1	6	4	5	0	0	5								
	19	10090	39	36	32	26	20	56	7	02	2	7	4	5			6								
	22	10068	39	38	36	26	30	40	8	03	8	8	5	5			6			26	67	562	0009	41	35
25	01	10024	40	39	38	31	28	08	8	10	8	8	6	2			7								
	04	10033	41	41	41	27	28	08	8	50	5	8	6	3			7								
	07	10058	41	39	36	26	26	64	4	02	5	4	2	5	0	0	5								
	10	10055	41	39	36	28	22	56	7	03	2	5	5	5	3		6	6							
	13	10025	41	41	41	29	30	08	8	03	2	8	6	2			7								
	16	9997	42	41	41	29	30	04	8	40	2	8	6	2			7								
	19	9959	42	42	42	30	34	16	8	02	2	8	6	3			7								
	22	9915	42	41	40	31	50	08	8	60	2	8	6	3			7			29	59	550	0002	43	35
26	01	9882	42	41	40	31	52	08	8	62	6	8	6	2			7								
	04	9934	39	37	34	26	26	40	6	02	2	6	2	5	0	0	6								
	07	9951	39	36	32	27	26	40	5	27	8	5	2	5	0	0	6								
	10	9970	37	36	34	27	28	81	3	27	8	3	2	5	0	0	5								
	13	9969	39	37	34	27	30	81	5	02	2	5	2	5	0	0	6								
	16	9988	35	34	32	25	32	81	5	90	8	5	2	5	0	0	6								
	19	10013	35	34	31	25	30	40	7	90	8	7	2	5			6								
	22	10023	36	34	31	25	26	80	7	90	8	7	2	5			6			27	58	670	0015	42	32
27	01	9989	39	37	34	29	42	40	8	89	8	8	8	4			6								
	04	9949	40	39	38	30	45	24	8	61	6	3	2	5	2		6								
	07	10001	38	34	28	26	39	40	4	03	2	4	2	5	0	0	6								
	10	10037	39	36	31	27	37	80	6	05	2	6	2	5	5		6								
	13	10050	40	37	32	27	22	80	7	05	2	8	2	5			7								
	16	10033	40	37	33	29	21	80	8	05	2	8	6	4			7								
	19	9997	41	41	41	29	28	40	8	61	6	8	6	4			7								
	22	9966	42	42	41	29	32	40	8	21	6	8	6	4			7			29	63	645	0011	42	34

Results of Surface Observations,
MACQUARIE – Aug., 1959

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	9907	42	42	42	30	40	24	8	61	6	8	6	3			7								
	04	9862	42	42	41	30	48	08	8	60	6	8	6	3			7								
	07	9880	38	36	32	26	50	56	5	15	7	5	2	5	0	0	6								
	10	9906	35	34	32	26	50	24	7	84	8	7	2	5			6								
	13	9921	36	34	30	26	40	40	7	27	8	7	8	5	0	4	5								
	16	9964	36	33	28	26	40	40	7	27	8	4	2	5	0	6	5								
	19	10013	33	33	32	25	43	16	6	88	8	6	2	5	0	0	5								
	22	10034	37	34	28	25	35	48	6	02	8	6	2	5	0	0	5			25	85	691	0011	43	33
29	01	10023	35	35	35	28	30	16	8	60	7	8	6	4			6								
	04	9962	41	40	40	28	50	08	8	63	6	8	6	2			6								
	07	9991	40	40	39	25	40	32	7	01	8	7	2	4			5								
	10	10049	37	35	33	24	04	80	6	02	1	4	2	5	1	7	5								
	13	10060	38	37	35	31	10	64	7	02	2	5	5	5	0	7	6								
	16	10034	41	41	41	31	21	16	8	61	6	8	6	3			7								
	19	10018	42	42	42	30	21	16	8	10	6	8	6	3			6								
	22	10017	42	42	42	29	28	08	8	40	2	8	6	2			6			29	60	635	0023	42	33
30	01	10026	42	42	42	29	28	08	8	40	2	8	6	2			6								
	04	10014	42	42	42	30	28	24	8	10	6	8	6	3			7								
	07	10009	43	43	43	30	30	16	8	10	6	8	6	2			7								
	10	9988	45	43	41	30	37	80	7	02	6	3	5	6	1		7	6							
	13	9961	45	43	41	31	35	80	8	05	2	0	0	9	1			6							
	16	9916	44	43	42	32	43	40	8	05	2	1	6	5	0	6	7		6						
	19	9866	45	44	43	32	49	40	8	61	6	4	2	4	2		7	6							
	22	9862	41	41	41	29	35	40	8	61	6	4	2	4	2		6	6		29	63	510	0016	45	39
31	01	9893	40	38	34	28	37	40	5	03	2	5	5	5	0	0	6								
	04	9930	37	34	29	28	35	40	4	05	1	4	5	5	0	0	6								
	07	9954	34	33	29	29	37	40	5	27	1	5	2	5	0	0	6								
	10	9999	32	32	31	27	35	40	7	70	7	7	8	4			6								
	13	10041	35	33	30	27	27	24	6	89	8	6	2	5	0	0	6								
	16	10089	37	34	28	27	26	40	4	05	1	4	2	5	0	0	5								
	19	10125	38	35	30	27	24	40	7	03	2	7	2	5	0	0	5								
	22	10143	39	37	32	29	28	40	6	03	2	6	5	5	0	0	6			27	61	805	0011	40	31

Results of Surface Observations,
MACQUARIE — Sep., 1959

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	10145	40	38	36	30	36	40	3	03	8	3	2	5	0	0	6								
	04	10147	41	40	40	30	31	32	0	10	1	0	0	9	0	0									
	07	10152	42	39	35	30	33	40	6	03	1	5	5	4	0	6	7		6						
	10	10162	42	40	37	30	33	40	8	80	2	8	5	5			7								
	13	10151	42	40	37	30	40	40	8	02	6	8	5	5			7								
	16	10149	42	40	37	30	42	16	8	80	2	8	8	5			7								
	19	10138	42	40	37	31	40	16	8	02	1	8	8	5			7			31	57	673	0002	43	38
	22	10124	42	41	38	30	45	16	6	02	1	6	8	5											
02	01	10122	42	41	40	30	38	24	5	02	1	5	2	5	0	0	7								
	04	10113	42	41	40	31	35	24	8	10	2	8	5	5			7								
	07	10103	42	41	40	31	36	32	7	25	8	7	6	4			7								
	10	10095	42	41	40	31	35	24	7	25	8	4	6	4	3		7								
	13	10069	42	41	40	31	37	16	8	10	2	6	5	5	1		7								
	16	10035	41	41	41	31	37	04	8	45	4	8	6	0			7								
	19	10024	41	41	40	31	31	08	8	63	6	8	6	3			6			31	52	767	0001	43	38
	22	10034	41	41	40	27	30	08	8	63	6	8	6	3											
03	01	10057	39	38	36	27	20	40	3	01	6	3	2	5	0	0	6								
	04	10088	38	35	28	27	26	40	1	02	0	1	2	5	0	0	6								
	07	10102	37	35	32	26	24	40	4	03	8	4	2	5	0	0	6								
	10	10111	38	37	35	29	15	40	6	80	8	2	6	4	2	0	6	6							
	13	10089	40	39	38	28	21	40	8	02	2	3	6	4	2		6	6							
	16	10037	40	40	39	29	28	40	8	60	6	3	6	4	2		6	6							
	19	9980	42	42	42	30	37	24	8	61	6	4	6	3	2		7	6							
	22	9978	42	42	42	29	40	16	8	61	6	5	6	3	2		7	6		27	52	553	0018	42	34
04	01	10025	38	35	30	26	35	40	3	05	6	3	6	4	0	0	6								
	04	10055	39	35	29	26	35	40	7	03	2	7	2	5			6								
	07	10083	39	36	31	26	30	40	7	03	2	7	2	5			6								
	10	10102	39	37	34	28	24	80	4	05	2	4	2	5	2	0	6								
	13	10080	41	41	41	30	21	40	8	05	2	8	6	3			7								
	16	10060	43	43	43	30	26	16	8	51	5	8	6	2			7								
	19	10044	42	42	42	29	30	16	8	10	2	8	6	3			7			25	49	620	0012	43	36
	22	10020	42	42	42	30	33	40	8	05	2	8	6	3			7								
05	01	9989	43	42	41	31	37	24	8	05	2	8	6	3			7								
	04	9915	44	43	42	31	38	08	8	61	6	8	6	2			7								
	07	9904	43	43	43	31	44	24	8	02	6	8	6	2			7								
	10	9895	43	43	43	30	35	12	8	62	6	8	6	2			7								
	13	9934	41	40	39	27	21	48	5	01	6	3	1	5	0	6	6		6						
	16	9937	41	40	38	30	15	48	1	01	1	1	1	4	0	0	6								
	19	9913	41	39	38	32	17	48	2	02	1	2	1	3	0	0	7								
	22	9862	42	41	38	31	31	40	8	02	2	8	6	5			7			31	56	726	0011	44	38
06	01	9827	42	39	34	30	28	48	7	02	2	7	5	5			7								
	04	9773	37	35	33	30	70	16	7	90	8	7	2	5			7								
	07	9869	35	34	32	27	35	56	5	01	7	4	2	5	0	4	6								
	10	9888	38	36	33	28	35	64	3	02	7	3	2	5	0	0	6								
	13	9909	39	36	32	28	35	56	6	27	7	6	8	5	0	1	6								
	16	9926	39	36	30	28	35	56	6	02	2	5	2	5	0	0	6								
	19	9934	36	35	33	28	23	32	6	87	2	6	2	4	0	0	6								
	22	9926	36	35	33	29	30	56	7	27	7	7	2	5			6			28	86	1372	0009	42	34
07	01	9917	36	33	29	26	26	56	7	87	8	7	2	5			6								
	04	9930	35	33	28	25	20	80	3	87	8	3	2	5	0	0	6								
	07	9953	32	31	30	25	27	08	7	86	8	7	2	5			6								
	10	10030	32	31	29	25	35	16	6	86	8	6	2	5	0	0	6								
	13	10067	35	32	25	25	28	72	6	02	8	6	2	5			6								
	16	10089	37	33	25	26	28	72	7	02	8	7	2	5			6								
	19	10079	39	36	31	29	35	64	8	02	2	8	2	5			6			25	68	598	0005	42	29
	22	10045	42	40	38	30	39	48	8	02	8	8	5	5			6								
08	01	10032	42	41	40	30	40	16	8	50	5	8	6	3			7								
	04	10012	43	41	39	31	42	16	8	10	2	8	6	3			7								
	07	9976	43	41	39	31	42	16	8	10	2	8	6	3			7								
	10	9952	43	42	41	31	47	16	8	10	5	8	6	3			7								
	13	9977	39	37	34	30	38	40	8	01	8	8	6	4			7								
	16	9998	40	37	31	28	28	80	6	01	2	8	6	2	0	0	7								
	19	10030	39	35	28	26	36	80	3	01	8	3	2	4	0	0	6			29	67	808	0002	43	29
	22	10075	32	31	30	26	38	08	7	84	8	7	2	4			6								
09	01	10091	36	33	28	25	24	40	4	02	8	4	2	4	0	0	5								
	04	10113	37	34	30	28	26	40	8	02	8	8	2	5			6								
	07	10121	39	37	33	29	31	48	5	02	2	3	5	4	4	0	6								
	10	10137	40	38	35	29	30	40	7	02	8	6	4	4	0	4	6								
	13	10146	40	39	38	28	31	56	4	01	8	2	2	4	3	0	6								
	16	10153	41	39	37	29	26	64	6	05	0	2	2	4	0	4	7								
	19	10157	40	39	38	30	26	40	7	03	8	4	2	4	0	4	7								
	22	10157	41	41	40	30	27	24	6	02	1	6	2	5	0	0	7			28	59	611	0004	41	30

Results of Surface Observations,
MACQUARIE — Sep., 1959

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
		inlb × 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	10147	41	41	41	29	30	08	8	63	2	8	6	3			7								
	04	10137	42	41	41	30	23	16	8	10	2	8	6	3			7								
	07	10134	42	41	40	30	28	64	7	02	8	5	5	4	6		7	6							
	10	10128	42	42	41	30	26	56	7	02	8	5	5	6	0	1	7								
	13	10104	42	42	42	30	28	32	8	03	2	8	5	5			7		6						
	16	10086	42	42	42	30	32	24	8	03	2	8	6	2			7								
	19	10086	42	42	42	30	32	40	8	02	2	8	5	5			7								
	22	10080	42	42	42	30	30	24	8	10	2	8	6	3			7			29	47	619	0004	43	38
11	01	10068	43	43	43	31	32	16	8	10	2	8	6	4			7								
	04	10042	43	42	42	31	30	16	8	10	2	8	6	3			7								
	07	10013	42	42	42	30	32	16	8	52	5	8	6	3			7								
	10	9979	43	43	42	31	45	32	8	02	5	8	6	3			7								
	13	9946	44	44	44	31	41	16	8	10	2	8	6	3			7								
	16	9909	44	44	44	32	42	16	8	51	5	8	6	3			7								
	19	9864	44	44	44	32	42	08	8	51	5	8	6	3			7								
	22	9847	41	41	41	27	20	15	8	61	6	8	6	3			6			30	56	702	0001	44	40
12	01	9830	40	40	40	30	22	16	8	61	6	8	6	3			7								
	04	9786	39	39	39	30	30	02	8	61	6	8	6	2			7								
	07	9793	36	35	33	26	25	40	6	87	6	8	6	5	0	0	6								
	10	9800	35	30	19	28	23	81	4	01	0	3	2	5	0	1	6								
	13	9753	39	35	29	32	34	80	5	02	2	3	2	5	1	0	6								
	16	9765	32	30	26	27	38	80	6	26	8	6	2	5	0	0	6								
	19	9777	28	28	28	28	38	64	7	26	8	7	2	5			6								
	22	9800	26	25	23	26	30	24	8	85	8	6	2	5	1		6			27	77	750	0033	40	22
13	01	9832	27	25	21	26	25	40	4	01	8	4	2	5	0	0	6								
	04	9873	28	28	28	26	30	16	8	86	8	8	2	4			6								
	07	9903	34	32	27	27	28	48	8	02	2	8	5	5			6								
	10	9908	36	32	24	28	35	64	8	02	8	8	5	5			6								
	13	9885	40	38	36	30	30	24	8	60	2	8	6	3			6								
	16	9868	41	40	39	30	35	08	8	52	2	8	6	2			6								
	19	9849	42	41	40	30	35	08	8	02	2	8	6	2			6								
	22	9836	42	41	41	31	35	16	8	02	6	8	6	4			6			28	56	646	0010	42	26
14	01	9822	42	41	41	31	35	16	8	51	5	8	6	3			7								
	04	9818	42	40	37	30	30	56	8	02	2	8	5	5			7								
	07	9802	40	39	38	29	32	48	8	25	2	8	5	5			7								
	10	9806	39	38	36	29	28	32	8	60	2	8	5	5			7								
	13	9804	40	38	35	29	30	81	6	01	6	8	2	5	4	1	7	6	6						
	16	9817	39	36	30	29	30	80	5	05	8	5	2	5	0	0	7								
	19	9817	39	37	32	31	25	80	2	01	2	1	2	5	0	1	7								
	22	9817	40	38	34	30	24	40	8	03	1	0	2	9	1		7			25	57	800	0005	42	34
15	01	9793	37	37	36	31	20	24	8	67	6	4	6	3			6								
	04	9752	40	39	38	32	26	24	8	21	6	4	6	3			6								
	07	9724	40	39	38	32	26	40	8	21	6	7	2	5			7								
	10	9714	40	39	38	30	26	80	5	03	6	3	2	5	2	2	7	6	6						
	13	9710	40	38	35	29	24	80	5	02	2	6	2	5	2	2	6								
	16	9706	38	36	34	27	30	64	7	16	8	3	2	5	0	0	6		6						
	19	9713	39	37	33	30	25	64	7	02	8	6	2	5			7								
	22	9741	38	36	33	26	31	64	5	87	8	5	2	5	0	0	6			27	60	631	0023	40	33
16	01	9883	38	35	30	27	30	64	7	27	8	7	2	5			6								
	04	9841	35	34	31	27	43	40	7	02	8	7	2	4			5								
	07	9887	37	33	27	26	30	40	7	02	8	7	2	5			5								
	10	9929	38	37	35	29	25	80	2	27	2	1	2	5	0	0	5								
	13	9945	41	37	30	29	28	72	5	02	1	1	2	5	0	0	5								
	16	9975	41	38	32	29	26	72	4	02	1	1	2	5	0	0	5								
	19	9997	41	39	35	29	25	56	3	01	1	1	1	4	0	4	5								
	22	10019	41	39	36	30	19	48	6	03	1	1	1	5	0	6	6			25	75	607	0007	41	32
17	01	10016	41	40	39	32	23	48	2	01	2	1	6	4	0	4	6								
	04	10005	41	41	40	31	23	24	8	60	2	8	6	3			7								
	07	9996	41	40	40	31	23	24	8	02	2	8	5	3			7								
	10	9972	41	40	39	32	25	24	8	02	6	8	5	2	1		7								
	13	9956	42	41	40	32	22	24	8	25	5	8	6	2			7								
	16	9934	41	41	41	32	19	24	8	50	5	8	6	2			7								
	19	9919	41	41	40	32	15	24	8	02	5	8	6	2			7								
	22	9908	41	41	41	30	13	24	8	50	5	8	6	2			7			31	33	543	0003	42	37
18	01	9909	37	37	35	16	24	24	8	02	5	8	6	4			6								
	04	9922	34	34	34	16	13	16	8	72	2	3	0	2			6								
	07	9946	31	31	30	16	10	32	8	73	7	8	2	6	2		6								
	10	9959	33	31	27	15	04	81	2	01	0	2	2	5	0		5								
	13	9952	37	33	25	29	15	81	4	03	1	4	2	5	0	0	5								
	16	9945	34	31	25	26	11	80	7	03	8	7	2	5			5								
	19	9927	34	31	25	27	10	40	7	03	2	7	2	5			5								
	22	9911	33	31	27	22	03	24	7	78	2	7	2	5			5			27	34	353	0009	37	31

Results of Surface Observations,
MACQUARIE – Sep., 1959

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	9911	34	31	24	27	22	40	2	02	0	2	1	5	0	0	6								
	04	9897	36	34	30	27	32	72	2	02	8	2	2	5	0	0	6								
	07	9916	34	34	34	26	29	24	7	24	5	7	6	3			6								
	10	9950	34	32	28	26	28	64	8	02	8	8	5	5			6								
	13	9950	36	34	30	27	32	64	8	02	8	8	4	5			6								
	16	9950	38	36	32	29	35	48	8	02	2	8	4	4			6								
	19	9961	39	37	35	29	35	48	8	61	2	8	6	3			6								
	22	9961	39	38	37	29	30	24	8	60	6	8	6	3			6			27	60	355	0003	41	33
20	01	9949	40	40	39	30	30	24	8	61	6	8	6	3			7								
	04	9926	42	41	40	30	35	24	8	61	6	8	6	3			7								
	07	9948	37	36	34	26	38	40	8	21	6	8	8	5			6								
	10	10008	39	34	24	26	31	64	5	02	2	3	2	5	0	2	6								
	13	10032	40	35	26	27	26	80	5	02	2	4	2	5	0	1	6								
	16	10052	39	35	27	26	28	80	6	02	1	5	2	5	0	0	6								
	19	10058	39	34	25	27	30	64	4	02	1	4	2	5	0	0	6								
	22	10090	36	32	24	27	30	64	6	02	8	6	2	5	0	0	6			26	63	724	0010	42	32
21	01	10118	33	31	27	26	20	40	6	86	2	6	2	5	0	0	6								
	04	10130	36	32	24	27	22	40	3	02	1	3	2	5	0	0	6								
	07	10132	37	33	26	27	26	80	3	02	1	3	2	5	0	0	6								
	10	10167	37	32	22	26	30	80	4	27	1	4	2	5	0	0	6								
	13	10190	37	31	18	26	30	81	3	02	8	3	2	5	0	0	6								
	16	10208	37	33	23	26	17	80	3	02	1	3	2	5	0	0	6								
	19	10216	37	33	25	27	16	80	5	02	1	5	2	5	0	0	6								
	22	10211	39	35	29	29	23	72	7	02	2	7	2	5			7			23	61	533	0001	39	32
22	01	10202	39	35	29	29	29	72	5	02	2	5	2	5	0	0	6								
	04	10185	39	36	31	28	26	40	7	03	2	7	5	5			6								
	07	10175	39	35	29	28	27	80	7	02	2	7	5	5			5								
	10	10167	40	37	31	30	30	81	6	02	2	3	5	5	1		6								
	13	10146	41	39	35	30	26	81	7	02	2	7	5	5			7								
	16	10117	41	39	36	29	28	72	6	01	2	7	8	5			7								
	19	10120	40	38	35	30	28	72	6	02	2	6	5	5	0	0	7								
	22	10107	40	39	37	30	26	56	8	60	2	8	5	5			7			29	41	480	0000	41	37
23	01	10095	40	39	39	30	26	48	8	50	5	8	5	5			7								
	04	10073	40	38	36	31	26	56	7	50	5	7	5	5			7								
	07	10071	39	39	38	29	10	80	4	01	2	4	5	5	0	0	7								
	10	10064	40	40	40	30	08	80	7	03	2	6	8	5	0	6	7								
	13	10045	41	40	39	30	06	81	6	03	2	4	4	5	0	6	5								
	16	10030	41	39	37	30	04	81	8	02	2	8	5	5			5								
	19	10024	39	37	35	00	00	24	8	50	2	8	2	4			7								
	22	10002	37	37	35	00	00	40	3	01	1	3	2	4	0	0	7			29	37	586	0002	42	37
24	01	9980	38	37	36	32	06	40	3	02	1	3	2	5	0	0	7								
	04	9955	39	37	35	31	10	40	7	50	2	7	6	3			7								
	07	9940	39	38	37	30	10	40	7	03	2	4	6	3	3		7								
	10	9928	40	40	40	30	08	24	8	60	2	8	6	3			7								
	13	9914	41	41	40	30	09	81	6	03	2	6	2	5	0	1	7								
	16	9910	42	41	41	28	03	80	4	20	2	2	6	4	0	1	6								
	19	9916	41	41	40	27	03	48	6	10	2	3	6	4	3	2	6								
	22	9938	35	35	35	15	24	24	8	68	7	3	2	5	2		3			15	30	191	0003	42	33
25	01	9963	34	33	31	16	19	24	8	80	8	8	2	5			3								
	04	9979	34	32	28	15	11	64	6	02	8	6	2	5	0	0	3								
	07	10001	31	31	30	00	00	72	5	85	8	5	2	5	0	0	6								
	10	10008	36	32	23	30	10	81	4	02	2	2	2	5	0	5	6		6						
	13	10001	38	33	24	30	18	81	2	01	0	2	0	9	3	0		6							
	16	9995	40	36	29	31	26	81	5	03	1	2	4	6	3	2	6	6	6						
	19	9990	41	39	36	32	26	81	7	02	2	5	4	5	3		7	7							
	22	9988	41	39	36	32	26	80	7	02	2	7	4	5			7			31	33	277	0010	41	28
26	01	9981	41	40	39	32	26	80	7	02	2	7	4	5			7								
	04	9973	42	41	40	32	29	64	8	02	2	8	5	5			7								
	07	9970	42	41	40	32	30	40	8	02	2	8	6	4			7								
	10	9961	43	42	41	32	31	56	7	02	2	8	6	4	4	6	7								
	13	9957	43	42	41	32	30	32	8	02	2	8	5	5			7								
	16	9954	43	42	41	32	35	16	8	03	2	8	6	2			7								
	19	9975	41	41	41	29	06	08	8	61	6	8	6	2			6								
	22	9987	41	41	41	31	20	08	8	61	6	8	6	2			6			32	40	603	0000	43	39
27	01	9992	41	40	39	32	20	24	7	01	2	7	6	3			6								
	04	10006	41	41	40	32	19	24	4	03	2	4	6	4	0	0	6								
	07	10028	40	39	38	28	10	64	6	03	2	1	4	5	1	6	6	5	7						
	10	10038	41	41	40	33	06	80	6	05	2	1	5	3	1	6	6	7	7						
	13	10028	42	40	38	00	00	80	8	05	2	0	0	9	1	7		7	7						
	16	9997	39	38	37	33	04	40	8	61	6	4	6	3	2		6								
	19	9973	40	39	38	00	00	16	8	51	6	8	6	2			7								
	22	9958	41	41	41	32	20	80	8	05	5	8	6	3			7			31	25	475	0005	42	38

Results of Surface Observations,
MACQUARIE – Sep., 1959

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	9941	41	41	41	32	17	40	8	05	6		8	6	3			7								
	04	9943	40	39	37	32	10	40	8	03	6		8	6	3			7								
	07	9950	40	38	36	30	10	80	3	01	2		1	6	4	3	0	5	7							
	10	9961	41	39	37	30	10	81	2	25	1		2	2	5	0	0	5								
	13	9959	43	41	37	31	10	81	1	02	1		1	1	5	0	0	6								
	16	9953	42	40	36	35	12	81	5	03	1		0	0	9	0	6			7						
	19	9943	40	39	37	34	08	81	7	03	2		0	0	9	1	6		7	7						
	22	9926	41	38	33	36	08	81	5	02	2		0	0	9	1	5		7	7	35	26	262	0012	43	38
29	01	9899	40	38	34	36	10	81	5	02	2		3	1	5	1	0	8								
	04	9867	41	38	33	36	10	40	7	03	2		7	2	5			8								
	07	9837	41	38	33	36	12	80	7	02	2		7	2	5			8								
	10	9807	42	40	38	04	12	80	8	05	2		5	2	5	2		8								
	13	9776	41	40	39	02	12	24	8	61	6		8	5	5			8								
	16	9747	40	39	38	36	16	24	8	61	6		8	5	4			8								
	19	9742	36	36	36	32	08	24	8	61	6		8	6	3			7								
	22	9743	37	37	36	00	00	24	8	21	6		8	6	5			8			36	37	274	0000	42	35
30	01	9746	39	39	38	36	07	32	8	10	2		8	5	5			8								
	04	9747	39	39	39	33	07	24	5	41	5		5	6	3	0	0	8								
	07	9751	40	39	39	34	02	24	7	41	4		7	6	3			8								
	10	9764	38	37	36	36	09	50	8	21	6		8	6	3			8								
	13	9766	41	40	39	32	02	32	7	10	8		6	8	5	3		7	7							
	16	9770	41	39	35	36	01	72	3	01	1		1	2	5	0	2	8		8						
	19	9766	39	38	35	09	02	81	5	02	1		2	4	5	3	2	8	8	8						
	22	9770	39	38	37	36	03	80	6	20	5		6	6	5	0	0	8			36	23	224	0064	42	35

Results of Surface Observations,
MACQUARIE – Oct., 1959

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
01	01	9771	41	39	36	33	14	72	5	02	2	5	6	5	0	0	7								
	04	9765	40	38	34	34	12	80	7	02	2	7	6	5			8								
	07	9762	40	38	35	34	10	81	7	02	2	2	5	5	3	5	8	7	7						
	10	9755	41	39	35	34	02	81	7	02	2	1	5	5	7		8	7							
	13	9740	41	40	39	14	08	80	8	03	2	1	6	3	7		2	7							
	16	9731	40	39	38	16	14	80	8	02	2	4	6	4	1		2	7							
	19	9726	40	38	35	17	19	80	8	02	2	5	6	4	1		2	7							
	22	9738	40	37	34	17	14	40	3	01	1	3	6	4	0	0	2			21	25	247	0004	42	37
02	01	9750	37	35	32	18	17	40	8	03	1	8	2	5			4								
	04	9760	34	33	31	21	14	24	8	85	2	8	2	4			5								
	07	9782	34	32	28	21	12	24	7	87	8	6	8	5	0	2	5		6						
	10	9799	33	33	33	23	14	24	7	85	8	7	8	5			5								
	13	9810	35	33	30	27	26	40	8	26	8	8	2	5			5								
	16	9818	37	34	28	27	30	80	4	05	1	4	2	5	0	0	5								
	19	9825	37	35	31	27	23	80	7	02	1	7	2	5			5								
	22	9802	37	35	32	28	23	40	8	80	2	8	2	5			5			27	46	313	0004	38	32
03	01	9765	37	36	34	26	26	40	6	25	8	6	2	5	0	0	5								
	04	9741	36	34	30	28	24	80	5	02	2	5	2	5	0	0	6								
	07	9726	33	33	33	28	19	40	6	26	8	6	6	3			6								
	10	9740	33	33	32	23	17	16	8	86	8	8	6	3			5								
	13	9770	31	30	28	20	12	15	7	86	7	7	8	4			5								
	16	9793	31	30	29	23	15	40	7	86	7	7	8	4			5								
	19	9820	30	29	28	20	18	24	8	86	7	8	8	4			5								
	22	9836	30	29	28	23	21	16	8	86	7	8	8	3			5			21	43	452	0018	37	29
04	01	9859	30	30	29	23	20	24	8	86	7	8	8	4			5								
	04	9873	30	30	29	23	22	08	8	86	8	8	8	5			5								
	07	9886	31	31	31	23	24	40	8	89	8	8	2	5			5								
	10	9910	33	32	29	20	19	40	8	80	8	8	2	5			4								
	13	9914	34	32	29	22	19	40	8	10	2	8	8	3			5								
	16	9928	33	32	30	18	22	40	8	10	2	8	6	3			4								
	19	9940	32	31	28	18	24	40	8	10	2	8	6	3			4								
	22	9954	32	31	30	18	23	40	8	10	2	8	6	4			4			18	43	391	0007	34	29
05	01	9960	32	31	30	18	25	40	8	10	2	8	6	4			4								
	04	9974	32	32	32	18	25	40	8	10	2	8	6	4			4								
	07	9981	33	32	30	17	25	64	8	10	2	8	2	5			4								
	10	9993	35	33	29	17	09	80	8	02	8	8	2	5			4								
	13	9992	37	35	33	20	10	80	6	26	8	6	2	5	0		4								
	16	10004	36	34	31	18	14	48	7	85	8	6	8	4	3		5								
	19	10017	35	32	26	23	12	72	6	02	2	5	5	5	0	1	5								
	22	10016	36	33	29	26	16	48	8	02	2	8	5	4			6			16	40	385	0001	37	31
06	01	9961	37	37	35	28	33	40	8	80	8	8	2	5			6								
	04	9953	40	38	34	26	38	16	7	83	8	7	2	4			6								
	07	9948	38	37	35	26	32	24	7	80	8	7	4	5			6								
	10	9946	38	37	34	26	30	32	7	80	8	7	4	5			6								
	13	9954	38	35	31	26	29	40	8	87	8	8	5	5			6								
	16	9969	37	34	27	26	17	64	6	15	8	6	8	5	0	0	5								
	19	9996	35	32	24	25	15	72	6	02	2	6	2	5	0	0	5								
	22	10024	35	31	23	23	10	72	5	02	2	5	2	5	0	0	5			25	56	437	0008	40	35
07	01	10044	36	33	27	24	08	72	6	02	2	6	2	5	0	0	5								
	04	10059	38	36	32	24	12	24	8	03	2	8	6	2			6								
	07	10070	39	38	38	26	20	24	8	51	5	8	6	2			6								
	10	10086	39	39	39	26	22	08	8	10	2	8	6	1			6								
	13	10094	41	40	39	26	28	40	8	03	2	8	6	3			6								
	16	10112	40	40	39	26	28	40	8	02	2	8	6	3			6								
	19	10131	40	39	38	26	23	40	8	02	2	8	6	3			6								
	22	10147	38	37	36	26	23	40	8	50	5	8	6	4			6			27	37	417	0003	41	35
08	01	10158	39	38	37	27	22	40	4	50	5	4	6	4	0	0	6								
	04	10166	40	40	40	30	17	16	8	10	2	8	6	3			6								
	07	10168	41	41	40	31	17	80	6	02	2	5	6	3	0	2	6								
	10	10173	41	41	40	30	17	48	8	02	5	8	5	5			6								
	13	10167	42	41	40	31	16	80	8	02	2	8	5	5			6								
	16	10150	41	41	40	32	16	40	8	50	2	8	6	4			6								
	19	10125	41	41	40	32	24	40	8	02	2	8	5	5			6								
	22	10101	42	41	40	32	26	40	8	02	2	8	5	5			6			31	41	487	0001	43	37
09	01	10066	42	41	41	33	36	40	8	02	2	8	6	4			6								
	04	10044	42	42	42	32	30	08	8	40	5	8	6	2			7								
	07	10034	43	43	43	32	24	16	8	40	4	8	6	2			7								
	10	10031	43	43	42	32	25	32	8	10	4	8	5	5			7								
	13	10017	43	42	41	31	20	32	8	10	2	8	5	5											
	16	9991	43	43	43	32	22	02	8	45	4	8	6	0											
	19	9961	43	43	43	33	26	02	8	45	4	8	6	0											
	22	9952	42	42	42	32	27	08	8	10	4	8	6	3			7			32	43	571	0004	44	40

Results of Surface Observations,
MACQUARIE – Oct., 1959

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	9925	43	43	42	32	35	16	8	02	2	4	6	3	1		7								
	04	9895	43	43	43	32	32	16	8	02	2	8	6	3			7								
	07	9872	43	43	43	32	32	08	8	60	6	8	6	3			7								
	10	9847	43	43	43	32	34	08	8	62	6	8	6	4			7								
	13	9855	42	42	41	29	20	32	8	02	2	6	6	4	1		6								
	16	9870	42	41	40	30	18	80	3	05	1	3	5	5	0	0	6								
	19	9870	41	40	40	32	10	64	3	10	1	3	6	4	0	0	6								
	22	9859	41	41	40	32	10	32	6	03	1	5	8	5	1	0	6			32	42	643	0008	43	40
11	01	9822	41	40	39	33	28	40	8	02	2	2	2	5	1		7	7							
	04	9773	39	37	34	29	24	16	8	80	2	8	2	5			7								
	07	9779	40	39	38	30	16	80	4	01	2	4	2	5	3	0	5	6							
	10	9769	42	41	40	30	21	81	3	25	1	1	2	5	5	0	5	6							
	13	9753	42	40	36	31	26	81	3	02	1	1	2	5	4	1	6	6	6						
	16	9744	39	38	37	29	19	80	6	25	8	3	8	5	4	9	6	6	6						
	19	9750	37	36	34	28	26	64	6	25	8	6	8	5	0	0	6								
	22	9782	39	36	32	27	20	64	5	02	2	5	8	5	0	0	6			29	43	440	0002	43	37
12	01	9809	38	36	32	26	22	80	7	02	8	7	2	5			6								
	04	9851	37	35	31	26	20	16	7	88	8	7	2	4			6								
	07	9881	38	36	33	26	20	40	6	01	8	6	2	5	0	0	6								
	10	9934	37	34	29	27	18	56	7	03	8	7	2	5			6								
	13	9977	35	32	25	27	12	72	8	02	2	8	5	4			6								
	16	10006	37	33	27	26	16	80	7	02	2	7	2	5			6								
	19	10021	38	35	31	27	17	64	7	02	2	7	8	5			6								
	22	10021	39	38	36	29	26	56	6	20	8	6	5	5	0	0	6			25	40	480	0006	39	35
13	01	10023	39	37	35	28	24	64	8	02	5	8	5	5			6								
	04	10023	39	38	37	27	25	32	8	80	8	8	8	5			6								
	07	10037	39	38	36	27	24	32	7	80	8	7	2	5			6								
	10	10055	39	36	30	27	20	40	7	80	8	7	2	5			6								
	13	10068	40	36	30	26	26	40	7	02	2	7	2	5			6								
	16	10101	37	35	32	23	14	40	7	80	8	7	2	5			4								
	19	10148	36	32	25	18	19	40	7	03	2	7	2	4			4								
	22	10195	33	31	26	18	10	40	7	02	2	7	2	4			4			27	50	447	0005	41	33
14	01	10222	34	33	30	17	04	40	7	02	2	7	2	4			4								
	04	10245	34	32	28	17	04	80	5	02	2	5	2	5	0	0	5								
	07	10265	35	32	26	27	03	81	7	02	2	7	5	5			5								
	10	10286	36	33	27	25	10	81	8	02	2	8	5	5			6								
	13	10300	37	35	31	25	14	80	8	02	2	8	5	5			6								
	16	10310	37	34	27	24	02	80	6	02	2	6	2	4	0	0	5								
	19	10318	36	33	28	25	10	80	7	03	2	7	5	5			5								
	22	10334	36	34	29	27	09	40	7	02	2	7	5	5			5			27	24	288	0000	38	32
15	01	10331	36	34	30	27	13	40	7	02	2	7	5	5			6								
	04	10333	35	33	29	27	10	40	8	02	2	8	5	5			6								
	07	10339	38	36	32	28	16	80	8	02	2	8	5	5			6								
	10	10340	40	37	32	28	19	80	7	02	2	7	5	5			6								
	13	10338	41	39	37	29	20	80	7	02	2	7	5	5			6								
	16	10339	41	39	36	29	22	24	8	05	2	8	5	5			6								
	19	10338	41	39	35	30	22	56	7	02	2	7	5	5			6								
	22	10334	41	39	37	31	21	80	7	02	2	7	5	5			6			27	30	231	0000	41	35
16	01	10334	41	39	37	30	23	80	6	03	2	2	5	5	3	0	6								
	04	10330	42	40	38	30	23	40	7	03	2	7	2	4			6								
	07	10332	41	41	40	30	23	80	7	02	2	7	2	4			6								
	10	10336	42	41	40	30	19	80	6	02	2	3	6	4	3	0	6								
	13	10330	44	43	40	30	20	64	4	05	1	1	6	4	5	0	6								
	16	10328	43	42	41	28	20	40	7	10	2	5	6	3	5		6								
	19	10329	42	41	40	28	10	56	4	10	1	2	6	3	5	0	6								
	22	10327	41	40	40	28	12	80	3	02	1	3	5	5	0	0	6			28	31	486	0000	45	39
17	01	10316	41	41	41	29	17	24	8	03	1	8	6	3			5								
	04	10304	41	41	41	27	17	24	8	50	5	8	6	2			6								
	07	10302	41	41	41	28	17	24	8	02	5	8	6	2			6								
	10	10294	42	41	40	27	19	80	6	01	2	6	5	5	0	0	6								
	13	10272	40	38	35	28	20	64	8	03	1	8	5	5			6								
	16	10258	40	38	35	28	19	64	8	02	2	8	5	4			6								
	19	10247	40	37	33	28	20	48	7	02	2	7	5	4			6								
	22	10236	39	38	36	28	21	80	7	02	2	7	5	5			6			27	31	378	0001	42	39
18	01	10217	40	39	38	29	17	40	7	03	8	7	2	5			5								
	04	10193	40	39	38	30	17	40	7	02	2	7	2	4			5								
	07	10181	40	39	38	30	15	64	8	80	2	8	2	4			5								
	10	10159	41	40	39	31	21	80	7	25	8	7	2	4			5								
	13	10136	41	39	37	31	26	80	7	01	2	6	5	5	0	1	7		7						
	16	10119	40	38	35	31	26	80	7	02	2	4	4	5	3		7	7							
	19	10098	40	39	37	31	26	80	7	02	2	4	4	5	3			7							
	22	10084	40	39	38	31	24	80	7	02	2	5	5	5	3		7	7		29	32	450	0001	41	38

Results of Surface Observations,
MACQUARIE – Oct., 1959

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	10058	41	40	39	29	28	40	8	25	3	8	2	4			5								
	04	10071	35	34	32	23	13	40	7	25	8	7	2	4			5								
	07	10085	35	33	28	25	09	80	7	27	8	7	2	4											
	10	10094	36	33	26	25	13	80	8	03	2	6	2	5	1		4	4							
	13	10096	37	34	29	24	20	56	8	85	2	8	2	5			5								
	16	10082	37	37	35	26	22	24	8	84	8	8	2	5			5								
	19	10075	39	38	37	27	25	32	8	02	8	8	8	5			6								
	22	10080	38	38	37	25	27	24	8	10	2	8	6	4			6			25	52	459	0002	41	33
20	01	10106	37	36	34	23	26	40	7	80	8	7	2	4			5								
	04	10113	37	36	34	22	17	40	7	80	8	7	2	4			5								
	07	10124	38	37	36	27	17	16	7	80	8	7	6	2			6								
	10	10139	41	40	39	25	26	80	6	02	2	6	2	4	0	0	5								
	13	10136	39	38	37	26	24	32	8	80	2	8	5	5			6								
	16	10127	38	36	33	26	29	40	7	87	8	7	8	4			5								
	19	10135	38	36	33	26	30	48	6	80	8	6	8	4	0	0	5								
	22	10133	38	36	33	25	25	48	8	80	8	8	2	5			5			25	53	464	0004	41	34
21	01	10115	39	36	32	25	28	40	8	80	8	8	2	4			5								
	04	10093	39	36	33	25	28	40	7	80	8	7	2	4			5								
	07	10060	38	36	34	27	28	80	7	80	8	7	2	4			5								
	10	10018	40	38	35	28	28	80	7	80	8	7	2	5			5								
	13	9968	40	38	35	28	40	08	8	60	6	8	6	3			6								
	16	9960	39	37	35	26	34	08	8	81	8	8	8	4			6								
	19	9962	36	34	30	26	30	24	6	84	8	6	2	5	0	0	6								
	22	9966	38	35	29	26	32	24	8	80	8	8	2	5			6			28	52	560	0007	41	36
22	01	9962	37	34	30	26	32	24	7	80	8	7	2	4			6								
	04	9930	36	35	34	27	26	24	8	10	2	8	6	3			6								
	07	9904	36	35	33	27	27	48	8	80	5	8	5	4			6								
	10	9878	38	37	35	28	35	32	8	61	6	8	5	4			6								
	13	9884	39	38	37	26	40	32	7	80	8	7	2	4			6								
	16	9911	39	39	38	26	34	32	7	83	8	7	2	4			6								
	19	9926	39	37	34	26	30	32	6	02	8	6	2	4			6								
	22	9944	39	37	33	26	30	24	8	80	8	8	2	4			6			25	53	648	0010	40	33
23	01	9946	39	39	39	27	25	24	8	61	6	8	8	5			6								
	04	9956	40	40	40	27	23	24	8	50	5	8	6	3			6								
	07	9975	40	39	38	26	23	40	8	20	5	8	6	3			6								
	10	9984	41	40	39	28	23	40	8	10	5	8	6	3			6								
	13	9990	41	40	38	27	30	40	8	05	2	8	6	4			6								
	16	9992	42	41	39	28	23	80	6	03	2	6	6	4			6								
	19	9998	41	40	38	27	19	40	2	50	2	8	6	4			6								
	22	10005	40	39	38	28	19	40	6	03	5	6	6	4	0	0	6			27	43	563	0009	42	38
24	01	10007	40	39	38	28	17	40	3	01	8	3	2	5	0	0	6								
	04	9999	41	41	41	28	12	03	8	45	4	8	6	0			6								
	07	9994	42	42	42	30	18	08	8	10	4	8	6	1			6								
	10	9985	43	42	42	31	12	32	8	01	2	8	5	5			7								
	13	9960	43	43	43	33	17	40	8	40	2	8	6	3			7								
	16	9937	42	42	42	32	17	16	8	50	5	8	6	2			7								
	19	9912	41	41	41	32	19	16	8	40	5	8	6	2			7								
	22	9884	42	42	42	34	19	16	8	60	5	8	6	2			7			32	43	518	0003	43	39
25	01	9834	42	42	42	34	21	16	8	61	6	8	6	4			7								
	04	9729	42	42	42	33	22	16	8	63	6	8	6	4			7								
	07	9695	43	43	43	35	26	08	8	63	6	8	6	3			7								
	10	9644	43	43	43	32	30	08	8	63	6	8	6	3			7								
	13	9677	39	37	35	28	38	40	8	25	8	8	6	4			6								
	16	9627	36	34	30	28	43	16	8	90	8	8	2	4			6								
	19	9774	38	35	30	29	42	40	6	02	2	6	2	4	0	0	6								
	22	9807	38	34	25	27	43	40	4	01	2	4	2	4	0	0	6			29	69	461	0030	43	36
26	01	9828	40	37	32	29	33	40	3	01	1	3	2	4	0	0	6								
	04	9829	40	38	35	32	22	64	1	01	0	1	2	5	0	0	6								
	07	9802	42	41	40	32	27	24	8	61	6	4	6	4	2		6								
	10	9770	43	42	40	34	37	24	8	60	6	4	6	4	2		6								
	13	9742	41	40	38	31	28	48	5	01	2	5	6	4	0	0	7								
	16	9746	42	40	37	32	26	24	6	10	8	6	6	3	0	0	7								
	19	9726	38	37	35	30	38	08	8	63	6	8	6	3			7								
	22	9767	39	38	37	28	30	24	7	25	8	7	8	4			6			25	64	738	0014	43	34
27	01	9882	35	32	26	25	37	40	7	25	8	7	8	4			6								
	04	9967	35	31	23	23	23	40	7	02	2	7	2	5			6								
	07	10012	35	31	24	25	17	80	6	02	2	6	2	5	0	0	6								
	10	10047	37	35	31	29	16	64	6	85	1	6	2	5	0	0	5								
	13	10062	41	37	29	30	20	80	6	02	2	4	4	5	3	0	7								
	16	10066	42	39	33	31	20	80	6	02	8	6	4	4	0	0	7								
	19	10070	41	40	38	30	22	81	7	01	2	2	6	4	3	0	7								
	22	10078	41	40	39	31	23	80	8	05	2	8	8	4			7			25	53	590	0008	42	32

Results of Surface Observations,
MACQUARIE — Oct., 1959

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	10076	42	41	39	31	25	80	2	05	2	2	5	5	0	0	7								
	04	10066	42	41	40	31	30	40	7	03	1	7	6	3			7								
	07	10065	42	41	40	31	30	24	8	10	2	8	6	3			7								
	10	10065	43	42	41	31	30	48	8	02	6	8	6	3			7								
	13	10057	43	43	43	31	30	40	8	50	5	8	6	2			7								
	16	10052	43	43	42	31	28	40	8	10	2	8	6	2			7								
	19	10042	43	43	43	31	30	16	8	80	8	8	6	2			7								
	22	10037	43	43	42	31	33	16	8	10	8	8	6	2			7			30	44	565	0001	44	41
29	01	10035	43	42	41	29	31	16	8	10	2	8	6	3			7								
	04	10085	39	37	34	27	18	24	7	80	8	7	2	4			6								
	07	10113	40	37	33	27	12	48	7	80	8	7	2	4			6								
	10	10134	43	41	38	28	12	80	6	80	8	6	2	4	0	0	6								
	13	10149	43	41	39	28	22	81	4	02	2	4	2	5	0	0	6								
	16	10166	44	42	38	28	19	81	6	03	2	6	2	5	0	0	6								
	19	10190	42	41	39	29	17	80	6	02	2	6	2	5	0	0	5								
	22	10204	41	40	39	27	17	80	2	01	2	2	1	5	0	0	6			29	37	596	0004	44	38
30	01	10201	41	41	40	29	24	80	0	02	1	0	0	9	0	0									
	04	10192	42	41	40	30	26	40	7	03	1	7	6	3			6								
	07	10188	42	41	40	30	26	80	3	02	2	2	6	3	0	1	6								
	10	10182	43	42	41	30	28	80	4	05	2	2	6	3	0	5	6								
	13	10168	44	42	40	30	26	48	7	05	2	4	6	3	3		7								
	16	10162	43	42	41	29	22	40	8	10	2	8	6	3			6								
	19	10161	42	41	40	29	22	48	8	02	2	8	6	3			6								
	22	10165	41	40	40	29	17	80	8	02	2	8	6	3			6			29	37	535	0000	44	40
31	01	10150	41	41	40	28	17	80	8	02	2	8	6	4			6								
	04	10139	41	41	41	30	10	40	8	02	2	8	6	3			6								
	07	10137	41	41	41	29	10	40	8	02	2	8	6	3			6								
	10	10135	42	42	42	29	06	01	8	47	4	8	6	0											
	13	10126	42	42	42	29	06	01	8	45	4	8	6	0											
	16	10113	42	42	42	30	02	08	8	61	6	8	6	0			6								
	19	10100	42	42	42	30	02	03	8	61	6	8	6	0			6								
	22	10081	42	42	42	31	10	03	8	61	6	8	6	1			7			27	23	413	0000	42	41

Results of Surface Observations,
MACQUARIE – Nov., 1959

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	10055	42	42	42	31	13	03	8	61	6	8	6	2			7								
	04	10021	42	42	42	30	08	03	8	61	6	8	6	2			7								
	07	9999	43	43	43	00	00	03	8	61	6	8	6	2			7								
	10	9963	42	42	42	00	00	08	8	61	6	8	6	2			6								
	13	9943	42	42	42	15	19	00	8	47	6	8	6	0											
	16	9944	41	41	41	15	22	01	8	45	5	8	6	0											
	19	9961	39	39	39	15	26	40	8	40	4	8	6	2			3								
	22	9988	36	36	36	16	25	24	8	10	2	8	6	2			3			27	23	232	0091	44	35
02	01	10014	36	35	33	23	05	40	5	05	1	5	5	5			5								
	04	10018	39	38	37	25	15	80	8	05	2	8	6	3			5								
	07	10025	41	41	41	29	20	80	8	05	2	8	6	3			6								
	10	10041	41	41	44	25	20	40	8	21	6	8	6	3			6								
	13	10060	41	40	39	26	12	48	8	02	6	8	6	3			6								
	16	10086	39	37	34	26	18	64	7	01	2	7	8	5			6								
	19	10104	39	39	38	27	12	48	6	02	2	6	5	5	0	0	6								
	22	10116	39	38	37	25	18	80	1	05	1	1	6	4	0	0	6			25	33	341	0007	42	35
03	01	10131	39	39	38	27	14	80	3	05	1	3	6	4	0	0	6								
	04	10145	38	37	35	27	08	24	8	10	2	8	6	3			6								
	07	10152	39	39	39	27	06	08	8	53	5	8	6	0			6								
	10	10152	42	42	41	31	02	56	8	03	2	5	5	5	2		7								
	13	10141	43	43	42	33	13	56	8	02	2	4	6	2	2		7								
	16	10133	43	42	41	33	12	64	8	02	2	6	5	5	2		7								
	19	10122	43	42	41	33	12	56	7	02	2	7	5	5			7								
	22	10114	42	42	41	32	12	40	8	10	2	8	6	3			7			31	23	303	0001	45	38
04	01	10093	43	42	41	32	19	40	8	10	2	8	6	3			7								
	04	10078	43	42	42	32	20	16	8	52	5	8	6	2			7								
	07	10057	42	42	41	32	16	08	8	52	5	8	6	1			7								
	10	10048	43	42	42	34	20	08	8	02	2	8	6	1			7								
	13	10021	44	43	43	34	17	16	8	10	4	8	6	2			7								
	16	9992	44	43	43	35	16	16	8	40	4	8	6	2			8								
	19	9933	44	44	43	36	03	08	8	50	5	8	6	2			8								
	22	9872	45	45	44	36	20	16	8	61	6	8	6	2			8			36	49	386	0001	46	42
05	01	9841	42	42	42	29	32	24	8	10	6	8	6	2			7								
	04	9862	42	41	41	32	17	32	5	01	2	5	6	4			7								
	07	9851	43	43	43	33	19	16	7	10	5	6	6	3	3		7								
	10	9825	43	43	43	34	11	16	8	40	8	8	6	3			8								
	13	9776	43	43	43	34	43	24	8	63	6	8	6	3			7								
	16	9732	43	43	42	33	10	24	7	05	2	7	6	3			7								
	19	9709	42	41	41	33	10	56	7	10	2	7	6	3			7								
	22	9681	42	41	41	32	10	40	8	10	6	8	6	3			7			28	37	464	0027	44	41
06	01	9661	41	41	41	27	04	08	8	10	6	8	6	1			6								
	04	9675	40	40	40	26	20	16	8	40	5	8	6	2			6								
	07	9733	35	34	32	20	20	32	7	70	8	5	5	4	3		5								
	10	9788	36	34	30	20	15	32	6	87	8	5	8	4	0	2	5								
	13	9817	37	34	27	22	10	56	7	02	8	7	4	4			5								
	16	9841	35	33	30	25	20	48	7	85	8	7	2	4			5								
	19	9859	36	33	26	26	20	80	6	01	8	6	2	4	0	0	6								
	22	9882	36	34	30	26	20	48	7	01	2	7	2	4			6			23	43	339	0017	41	33
07	01	9884	37	34	30	25	20	48	5	89	8	5	2	4	0	0	5								
	04	9894	36	34	30	25	20	80	5	02	8	5	2	4	0	0	5								
	07	9896	38	35	30	25	20	80	6	02	8	6	8	4	0	0	5								
	10	9883	40	37	32	27	25	81	5	02	8	5	8	4	0	0	6								
	13	9848	38	37	36	31	17	40	8	80	8	8	8	5			7								
	16	9758	42	42	42	31	23	16	8	20	8	8	6	2			7								
	19	9695	42	42	42	31	24	08	8	50	8	8	6	2			7								
	22	9624	41	41	40	29	27	32	8	80	8	8	8	4			6			29	41	406	0002	42	33
08	01	9573	41	40	38	30	23	32	8	02	8	8	5	5			7								
	04	9629	33	33	33	23	25	24	8	88	8	8	8	4			5								
	07	9721	34	32	27	23	22	40	8	16	8	8	8	4			5								
	10	9761	35	34	33	25	35	80	8	26	8	8	8	4			5								
	13	9786	35	32	26	25	26	80	5	02	8	5	2	5	0	0	5								
	16	9797	36	35	32	26	23	80	6	02	2	4	8	5	0	9	6								
	19	9798	35	32	26	27	17	80	5	02	2	3	2	5	0	6	6								
	22	9793	32	31	30	26	20	80	4	26	2	3	2	5	0	2	6			25	61	557	0024	41	31
09	01	9791	32	31	31	26	17	72	5	87	2	5	2	5	0	0	5								
	04	9803	32	31	29	25	10	40	6	87	8	6	2	4	0	0	5								
	07	9814	32	31	29	25	10	64	5	16	8	5	2	4	0	0	5								
	10	9826	31	30	29	23	12	64	6	87	8	6	2	4	0	0	5								
	13	9839	35	31	23	25	12	81	6	02	8	6	8	5	0	0	5								
	16	9861	33	30	24	20	05	81	5	15	2	5	8	5	0	0	5								
	19	9884	32	29	21	20	04	81	6	02	2	6	8	5	0	0	5								
	22	9912	30	28	22	20	03	81	6	27	2	6	8	5	0	0	5			25	35	394	0004	35	28

Results of Surface Observations,
MACQUARIE – Nov., 1959

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	9923	31	28	23	25	06	81	7	02	7	7	8	5			5								
	04	9952	32	29	24	26	08	81	7	02	2	7	8	5			5								
	07	9970	35	33	28	27	10	81	7	02	2	7	8	5			5								
	10	9986	36	35	33	28	12	80	7	02	8	7	4	5			6								
	13	10006	39	35	28	26	20	81	5	02	8	5	2	5	0	0	6								
	16	10024	40	36	30	26	17	80	7	02	2	7	2	5			6								
	19	10022	40	39	38	30	17	56	8	50	2	8	6	4			7								
	22	10020	42	42	42	29	22	08	8	40	4	8	6	2			7			25	33	215	0001	42	29
11	01	10019	42	42	42	29	21	16	8	40	5	8	6	3			6								
	04	10027	42	42	42	29	23	40	8	10	2	8	6	3			6								
	07	10041	42	41	39	29	25	40	8	10	2	8	6	3			6								
	10	10047	43	42	41	30	25	40	8	10	2	8	6	3			6								
	13	10038	43	42	41	30	28	40	8	02	2	8	6	3			7								
	16	10025	43	42	41	31	30	24	8	02	2	8	6	3			7								
	19	9983	43	42	42	31	40	16	8	60	6	8	6	2			7								
	22	9973	43	42	42	31	42	16	8	61	6	8	6	2			7			31	47	489	0001	44	41
12	01	9948	43	43	43	31	40	08	8	61	6	8	6	2			7								
	04	9978	41	40	39	27	22	24	8	10	5	8	6	4			6								
	07	9987	40	38	36	27	17	32	7	02	2	7	5	5			6								
	10	9982	40	38	36	27	07	32	8	02	2	4	5	5	1		6								
	13	9969	40	38	35	00	00	48	8	61	2	2	6	3	2										
	16	9944	39	37	35	14	08	24	8	50	5	8	6	2											
	19	9928	38	37	36	12	06	24	8	10	2	8	6	1											
	22	9892	39	39	39	11	02	08	8	55	5	8	6	1						29	40	606	0007	44	38
13	01	9790	44	43	43	32	32	16	8	62	6	8	6	3			7								
	04	9771	43	42	42	29	32	16	8	60	6	8	6	3			7								
	07	9771	42	41	40	31	27	40	8	05	2	8	6	3			7								
	10	9781	42	41	38	29	28	40	8	05	2	8	6	3			7								
	13	9784	43	41	38	30	18	48	7	56	2	7	5	5			7								
	16	9814	40	38	36	28	24	32	8	60	6	8	6	4			6								
	19	9869	40	39	37	26	27	40	8	02	6	8	5	5			6								
	22	9905	39	37	34	26	24	56	6	02	8	6	8	5	0	0	6			31	46	337	0021	44	38
14	01	9928	39	38	37	27	27	40	8	02	5	8	5	5			6								
	04	9958	37	36	33	25	28	24	8	10	5	8	6	3			6								
	07	9978	40	37	32	27	21	40	7	05	2	2	6	3	0	2	6								
	10	9957	41	40	39	32	24	08	8	40	5	8	6	2			7								
	13	9967	43	41	39	27	20	48	7	02	4	7	8	5			6								
	16	9972	42	40	37	28	20	80	4	01	2	1	1	5	0	6	6								
	19	9972	41	40	39	29	16	48	6	02	2	3	5	5	4	9	6								
	22	9954	42	42	42	32	24	08	8	40	5	8	6	5			7			25	44	547	0010	43	36
15	01	9939	43	43	43	31	24	08	8	50	5	8	6	3			7								
	04	9931	42	42	42	31	25	08	8	61	6	8	6	2			7								
	07	9931	42	42	42	31	20	08	8	61	6	8	6	2			7								
	10	9948	41	41	41	28	20	03	8	51	6	8	6	1			7								
	13	9957	42	41	40	26	18	80	6	02	2	2	6	3	3	0	6								
	16	9976	41	39	36	25	21	80	7	02	2	7	6	4			6								
	19	10008	38	33	24	25	21	81	1	01	2	1	1	4	0	0	6								
	22	10035	38	35	29	25	21	81	5	03	1	5	8	5	0	0	6			29	38	543	0006	43	37
16	01	10058	38	34	27	25	13	81	2	02	1	2	1	4	0	0	6								
	04	10083	39	37	34	26	10	81	4	02	1	4	2	4	0	0	6								
	07	10096	39	38	37	27	06	80	6	03	8	6	4	4	0	0	6								
	10	10103	42	40	37	30	12	81	1	01	1	1	2	5	0	0	7								
	13	10101	43	41	38	31	15	81	0	02	0	0	0	9	0	0									
	16	10095	43	41	38	31	16	81	4	03	1	0	0	9	3	0		6							
	19	10092	42	41	39	31	15	81	7	03	1	3	5	6	3	0	6	6							
	22	10087	42	41	40	31	18	80	8	02	2	4	5	5	3		6	6		31	31	332	0006	44	36
17	01	10070	42	40	37	31	18	80	7	02	2	2	5	5	3	0	7								
	04	10055	41	40	39	31	21	80	7	02	2	7	5	5			7								
	07	10041	42	41	40	32	21	81	6	02	2	4	5	6	0	1	7								
	10	10033	43	41	38	32	21	80	7	02	2	5	5	5	1		7								
	13	10012	43	41	38	33	24	48	8	15	2	4	5	4	2		7								
	16	9998	43	43	42	32	28	08	8	50	5	8	6	2			7								
	19	9985	42	42	41	32	28	08	8	60	6	8	6	2			7								
	22	9972	42	42	42	32	20	03	8	60	6	8	6	2			7			31	32	438	0000	43	40
18	01	9950	42	42	42	32	18	03	8	50	5	8	6	1			7								
	04	9930	40	40	39	29	14	64	5	01	5	2	6	2	4	1	7								
	07	9908	42	41	41	31	23	32	8	50	5	8	6	4			7								
	10	9873	43	42	41	32	30	32	8	51	5	8	6	3			7								
	13	9844	43	42	41	32	14	16	8	61	6	8	6	2			7								
	16	9831	41	40	39	31	22	48	6	25	6	6	5	5	0		7								
	19	9814	41	39	36	29	20	80	4	01	1	2	5	4	0	1	7								
	22	9793	41	40	39	31	18	64	7	03	1	7	2	5			7			29	43	547	0010	43	38

Results of Surface Observations,
MACQUARIE – Nov., 1959

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	9746	38	38	37	26	04	16	8	61	8	3	2	5	2		6	6							
	04	9746	38	35	31	25	10	80	6	02	2	3	6	4	3	0	6	6							
	07	9777	39	34	25	27	23	81	5	02	8	5	2	4	0	0	6								
	10	9817	38	35	30	25	17	80	7	27	8	7	8	4			6								
	13	9855	38	34	28	26	31	80	6	15	8	6	2	5	0	0	6								
	16	9889	38	35	29	26	40	56	7	87	2	7	8	4			6								
	19	9933	38	34	26	26	31	48	8	02	2	8	5	5			6								
	22	9976	38	34	25	25	31	72	7	27	2	7	2	5			7			25	58	427	0027	39	33
20	01	9994	39	35	28	26	30	80	4	01	2	4	2	5	0	0	6								
	04	9991	40	38	35	29	30	80	8	10	2	4	6	4	2		7								
	07	9961	42	40	37	29	35	40	8	10	2	6	6	4	2		7								
	10	9949	43	41	38	29	40	40	8	60	2	6	6	4	2		7								
	13	9949	44	42	39	30	35	32	8	10	6	6	6	4	2		7								
	16	9954	43	42	41	29	31	24	8	10	5	8	6	3			7								
	19	9984	42	41	41	26	21	16	8	50	8	8	6	2			6								
	22	10019	40	38	34	26	09	48	7	02	2	7	6	4			6			29	57	684	0002	44	38
21	01	10022	39	38	37	27	02	32	8	60	2	8	6	4			6								
	04	10008	42	42	42	30	12	08	8	52	5	8	6	2			6								
	07	10006	42	42	42	31	16	08	8	52	5	8	6	2			6								
	10	9986	42	42	41	31	20	16	8	60	2	8	6	2			7								
	13	9945	42	42	41	31	22	24	8	60	6	5	6	3	2		7	6							
	16	9881	43	43	43	31	24	03	8	46	4	8	6	1			7								
	19	9860	44	44	44	31	27	03	8	44	4	8	6	1			7								
	22	9834	43	43	43	29	23	03	8	44	6	8	6	1			6			31	34	485	0005	44	39
22	01	9857	40	38	36	25	27	40	7	05	4	4	6	4	1		6	6							
	04	9890	38	34	27	26	20	24	8	03	1	8	8	5			6								
	07	9897	39	35	29	27	18	48	7	01	2	7	4	5			6								
	10	9898	42	38	32	28	10	80	7	02	2	6	8	5	3		6	6							
	13	9889	40	38	34	28	16	80	7	02	2	5	8	5	3		6	6							
	16	9852	42	40	37	30	16	80	6	02	8	5	6	4	3	0	6	6							
	19	9846	40	38	36	27	04	80	7	02	2	7	6	4			6								
	22	9864	37	35	32	24	11	80	7	26	5	7	2	5			5			25	44	514	0003	42	35
23	01	9877	38	34	25	26	21	81	4	25	8	4	2	5	0	0	5								
	04	9888	37	33	25	25	27	81	6	03	2	4	5	5	3	2	5	6							
	07	9885	38	35	29	27	30	81	8	02	2	4	5	5	7		6	6							
	10	9837	38	37	36	29	33	40	8	81	8	8	8	4			6								
	13	9800	41	38	33	27	30	40	6	03	8	6	2	5	0	0	6								
	16	9793	42	37	29	27	32	80	6	02	8	6	2	5	0	0	6								
	19	9780	38	35	28	27	30	80	7	02	8	7	2	5			6								
	22	9754	38	35	30	27	45	24	7	90	8	7	2	5			6			27	76	441	0007	42	31
24	01	9746	34	33	32	27	45	40	7	18	8	7	2	4			6								
	04	9795	33	33	33	27	37	16	8	87	8	8	2	4			6								
	07	9855	35	33	28	22	16	48	7	27	8	7	2	5			5								
	10	9912	34	32	28	23	17	80	6	26	8	6	2	5	0	0	4								
	13	9926	38	35	30	26	24	64	7	90	8	7	2	4			6								
	16	9959	39	35	26	25	38	48	7	88	8	7	2	4			6								
	19	9974	39	38	38	26	32	64	7	02	8	7	2	4			6								
	22	9993	35	34	31	26	35	48	7	90	8	7	2	4			6			25	70	669	0007	39	33
25	01	10007	39	34	22	26	28	64	4	02	8	4	2	4	0	0	6								
	04	10037	38	34	27	26	20	80	6	02	2	6	2	5	0	0	6								
	07	10047	39	35	30	25	16	80	8	03	1	8	8	5			6								
	10	10058	39	39	38	27	13	24	8	60	2	4	6	3	7		6								
	13	10067	43	41	37	26	21	40	8	02	2	8	5	5			6								
	16	10069	41	39	36	26	23	48	7	02	2	7	6	4			6								
	19	10076	41	40	38	27	22	48	8	02	2	8	6	4			6								
	22	10084	40	39	39	26	22	32	8	20	2	8	6	4			6			27	45	462	0001	43	37
26	01	10075	41	40	38	27	19	40	8	02	5	8	6	4			6								
	04	10066	39	38	37	27	17	40	7	02	2	7	5	5			6								
	07	10066	41	40	39	27	17	40	8	02	2	8	6	3			6								
	10	10065	41	40	39	27	15	40	8	10	2	8	6	3			6								
	13	10055	42	41	40	28	15	48	8	02	2	5	5	5	1		6								
	16	10050	42	41	40	27	09	48	8	50	2	6	6	3	1		6								
	19	10045	41	39	37	25	09	56	8	02	2	5	6	3	1		6								
	22	10053	39	39	38	00	00	48	8	50	2	8	6	4			6			27	31	437	0001	43	39
27	01	10056	39	36	31	19	04	72	8	01	5	6	5	6	1		5								
	04	10074	37	32	22	18	04	48	7	03	1	7	6	3			4								
	07	10087	38	33	24	17	06	81	6	01	2	4	5	5	0	1	4								
	10	10107	39	34	25	18	04	80	7	03	2	7	4	5			4								
	13	10116	39	34	24	25	05	81	6	02	2	6	5	5	0	0	5								
	16	10128	39	34	25	25	07	81	7	02	2	7	5	5			4								
	19	10131	38	34	26	25	03	81	7	02	2	7	5	5			5								
	22	10144	38	34	26	25	05	81	7	02	2	7	5	6			5			21	21	223	0000	41	34

Results of Surface Observations,
MACQUARIE — Nov., 1959

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	10129	38	34	27	29	06	81	6	02	2	6	5	6	0	0	6								
	04	10107	38	35	31	31	10	80	8	03	2	8	6	3			7								
	07	10089	39	36	30	32	12	80	8	02	2	8	5	5			7								
	10	10060	40	38	35	34	12	64	8	02	2	8	5	5			7								
	13	10015	41	40	39	33	15	40	8	61	6	4	6	4	2		7	7							
	16	9967	41	40	40	31	06	40	8	61	6	5	6	2	2		7	7							
	19	9955	41	40	40	00	00	80	8	21	6	4	6	4	2		6	6							
	22	9959	39	39	38	18	07	40	8	50	6	6	6	3	2		4	5		18	30	238	0000	41	34
29	01	9983	35	33	30	16	15	80	8	02	2	8	5	5			4								
	04	10013	35	32	26	19	14	80	6	02	2	6	5	5			5								
	07	10045	36	34	30	26	05	80	8	02	2	8	5	5			6								
	10	10061	39	35	29	26	21	80	8	21	5	8	8	5			6								
	13	10065	41	37	31	26	30	80	6	02	1	6	2	5	0	0	6								
	16	10067	40	37	30	26	28	64	7	02	2	7	8	5			6								
	19	10062	39	37	33	26	28	80	7	02	2	7	8	5			6								
	22	10059	39	37	33	26	28	80	7	02	2	7	2	5			6			26	37	300	0008	41	34
30	01	10042	40	38	35	26	20	64	7	02	2	7	2	5			6								
	04	10023	40	37	33	27	20	80	7	02	2	7	2	5			6								
	07	10015	40	38	35	27	20	80	8	02	2	3	5	5	0	7	6		6						
	10	10002	41	38	33	26	16	80	7	02	2	5	2	5	3		6								
	13	9994	42	39	35	26	06	80	8	02	8	4	4	5	1		6								
	16	9975	42	40	37	26	10	80	8	02	2	8	4	5			6								
	19	9974	39	37	34	17	14	48	8	02	6	8	6	3			3								
	22	9984	37	35	31	14	16	40	7	02	2	7	2	5			3			27	31	474	0000	43	36

Results of Surface Observations,
MACQUARIE – Dec., 1959

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	9986	36	33	27	17	10	40	7	02	2	7	2	5			4								
	04	10003	36	32	24	16	19	81	6	02	2	6	2	5	0	0	4								
	07	10026	36	33	27	16	17	81	7	02	2	7	2	5			4								
	10	10059	38	34	26	17	16	81	6	02	2	6	2	5	0	0	4								
	13	10089	38	35	28	16	10	81	8	02	2	8	2	5			4								
	16	10115	39	35	28	16	10	81	7	02	2	7	2	6			4								
	19	10147	39	34	25	20	03	81	2	01	2	1	1	5	4	0	5								
	22	10173	39	36	30	26	01	81	8	03	2	8	5	5			5			16	26	323	0000	40	34
02	01	10189	38	37	34	26	03	80	5	50	5	5	8	5	0	0	5								
	04	10205	38	36	33	26	09	89	8	03	2	8	5	5			5								
	07	10222	39	37	34	25	10	80	6	03	2	6	2	5	0	0	5								
	10	10234	42	40	36	27	10	80	6	20	2	6	8	5	0	0	5								
	13	10238	42	39	33	28	12	81	8	02	2	8	5	6			6								
	16	10241	43	40	35	28	10	81	7	02	2	7	5	5			6								
	19	10244	41	38	34	28	07	81	7	02	2	7	5	5			7								
	22	10251	41	38	34	31	06	81	8	02	2	8	5	5			7			27	20	225	0001	43	38
03	01	10237	41	38	32	34	06	81	8	02	2	8	5	5			7								
	04	10205	42	39	34	34	04	80	8	02	2	8	5	4			7								
	07	10199	42	41	40	32	04	64	8	02	2	8	5	4			7								
	10	10185	43	42	40	33	02	48	8	60	2	8	6	3			7								
	13	10153	44	44	44	34	17	08	8	40	5	8	6	2			7								
	16	10166	43	43	43	34	10	03	9	47	4	8	6	0											
	19	10108	42	42	42	33	10	02	9	47	5	8	6	0											
	22	10102	42	42	42	31	06	02	9	50	5	8	6	0						34	27	241	0000	44	39
04	01	10067	42	42	42	32	07	02	9	45	4	8	6	0											
	04	10060	41	41	41	30	08	01	9	47	5	8	6	0											
	07	10059	42	42	42	29	08	08	8	40	5	8	6	3			7								
	10	10063	44	43	41	28	09	81	4	01	1	2	5	5	3	0	7	7							
	13	10069	45	43	40	29	10	80	7	03	2	2	6	3	2		7	7							
	16	10094	43	40	35	21	03	81	6	02	2	6	2	3	0	0	5								
	19	10117	39	36	31	27	03	81	5	02	2	5	2	4	0	0	5								
	22	10132	39	36	34	29	06	80	3	01	1	3	2	4	0	0	5			27	23	265	0004	46	36
05	01	10129	39	38	37	31	08	80	3	03	1	3	5	5	0	0	5								
	04	10120	42	42	42	31	12	48	8	10	2	5	6	3	0	0	7								
	07	10117	43	42	42	31	17	56	7	01	2	4	6	3	0	0	7								
	10	10114	45	43	40	31	19	72	6	02	2	3	6	4	0	9	7		6						
	13	10099	45	43	40	31	22	80	8	02	2	1	6	2	1		7								
	16	10091	42	42	39	31	22	64	7	02	2	7	5	5			7								
	19	10091	44	42	39	30	24	64	8	02	6	5	5	5	1		7								
	22	10096	44	43	40	31	20	64	7	60	2	3	6	3			7			31	29	285	0000	46	36
06	01	10098	43	42	41	31	14	16	8	03	6	8	6	3			7								
	04	10096	43	43	43	31	14	08	8	40	4	8	6	1			7								
	07	10094	43	43	43	30	10	08	8	40	4	8	6	1			7								
	10	10086	43	43	43	30	11	03	8	45	4	8	6	1			7								
	13	10075	46	45	43	31	10	32	7	01	2	7	5	5			7								
	16	10056	45	43	42	31	08	48	8	02	2	4	6	2			7								
	19	10038	44	43	40	32	10	64	7	01	2	7	5	5			7								
	22	10021	44	43	42	33	10	64	7	02	2	7	5	5			7			31	23	391	0000	47	41
07	01	9984	44	43	42	32	14	24	8	03	2	8	6	3			7								
	04	9948	44	43	42	29	10	89	8	02	2	8	6	3			7								
	07	9928	43	43	43	26	06	24	8	60	6	8	6	2			6								
	10	9905	44	44	44	29	01	16	8	61	6	8	6	2			6								
	13	9896	38	37	37	14	32	16	8	60	6	8	6	3			3								
	16	9902	36	34	30	16	27	40	8	02	6	8	8	4			4								
	19	9924	36	32	24	18	13	80	7	02	2	7	5	5			4								
	22	9946	35	31	21	17	08	80	7	02	2	7	5	5			4			13	37	316	0008	45	34
08	01	9954	35	31	24	18	10	80	8	02	2	8	5	5			4								
	04	9965	34	31	25	20	10	80	8	87	8	8	2	4			4								
	07	9988	35	31	23	20	17	80	7	27	8	7	2	5			4								
	10	10007	35	32	27	18	06	64	8	87	8	8	2	5			4								
	13	10023	36	32	23	17	14	81	7	02	2	7	2	5			4								
	16	10043	37	32	21	16	13	81	6	85	8	6	2	6	0	0	4								
	19	10058	36	31	21	18	09	81	7	02	8	7	8	5			4								
	22	10075	35	32	25	18	03	80	8	26	8	8	8	5			4			18	28	369	0006	37	32
09	01	10080	35	31	25	23	03	80	8	02	8	8	8	5			5								
	04	10081	34	31	25	23	03	80	8	02	2	8	5	6			5								
	07	10083	36	33	27	25	09	80	7	02	2	7	5	6			5								
	10	10082	38	33	23	26	09	81	2	01	1	2	5	6	0	0	5								
	13	10083	40	35	25	26	09	81	4	02	1	3	1	5	1	0	5	6							
	16	10075	42	37	29	26	12	81	4	02	1	3	1	5	1	0	5	6							
	19	10076	40	35	27	27	09	81	6	03	2	5	2	5	0	0	5			27	23	195	0001	42	33
	22	10083	39	35	29	27	09	80	7	03	2	7	2	5			5								

Results of Surface Observations,
MACQUARIE – Dec., 1959

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	10085	38	34	26	27	10	40	8	03	2	8	2	5			5								
	04	10085	36	34	30	26	10	24	8	60	2	4	6	2	0	0	6								
	07	10099	38	35	30	27	04	48	8	02	2	2	6	2	0	0	6								
	10	10104	40	37	32	27	04	80	8	02	2	3	6	3	0	0	6								
	13	10107	41	38	33	29	08	80	8	02	2	8	6	5			6								
	16	10109	40	38	35	29	10	80	8	80	2	8	2	4			6								
	19	10110	41	39	37	27	08	80	8	03	2	8	4	5			6								
	22	10115	39	39	39	27	10	80	8	80	8	8	2	4			6			31	20	201	0000	42	35
11	01	10113	41	40	39	28	08	40	7	03	6	7	2	5			6								
	04	10106	41	40	39	28	10	72	7	02	5	1	6	4	0	2	6		6						
	07	10102	41	39	35	30	16	80	8	02	2	2	6	4			6	6							
	10	10103	43	41	37	29	12	72	8	02	2	2	6	4	3		6	6							
	13	10091	42	42	42	27	12	04	8	60	4	8	6	1			6								
	16	10096	41	40	37	26	06	48	7	01	5	2	6	2	1		6	6							
	19	10096	40	37	32	26	02	81	6	01	1	2	5	5	3	0	6	6							
	22	10108	40	37	33	26	06	72	8	03	2	3	6	3			6			31	22	263	0002	43	39
12	01	10108	40	37	33	27	12	64	7	01	2	7	5	5			6								
	04	10089	40	38	36	27	14	56	8	50	2	5	8	4	0	0	6								
	07	10089	40	39	38	27	15	32	8	50	2	5	8	4			6								
	10	10084	43	41	38	27	22	56	6	02	4	2	6	4	0	0	6								
	13	10089	46	43	40	27	21	48	6	01	2	2	6	4	0	0	6								
	16	10085	43	42	41	27	10	40	8	03	5	4	6	3	0	0	6								
	19	10089	42	41	40	27	18	08	7	40	4	6	6	2			6								
	22	10100	41	41	40	22	07	08	8	52	5	8	6	2			5			27	32	284	0001	46	38
13	01	10100	41	41	40	23	02	48	7	02	5	7	8	3			5								
	04	10090	41	41	40	29	08	48	7	03	2	7	8	3			5								
	07	10087	42	41	40	27	03	40	8	03	2	8	6	3			5								
	10	10082	44	42	39	25	08	24	8	05	2	8	6	3			5								
	13	10086	42	40	36	25	07	40	8	02	2	8	6	4			5								
	16	10080	41	38	31	27	07	80	7	02	2	6	2	5	0	1	5								
	19	10082	39	36	30	17	05	80	7	02	3	7	2	4			5								
	22	10086	39	36	30	23	02	80	8	02	2	8	5	5			5			27	25	250	0001	44	38
14	01	10079	38	35	30	26	02	80	7	02	2	7	8	5			5								
	04	10066	38	36	33	26	10	80	4	03	2	7	4	5	0	1	5								
	07	10059	41	39	37	26	16	80	7	03	2	7	4	5			5								
	10	10049	42	42	41	29	13	16	8	80	5	8	6	2			5								
	13	10041	44	43	42	28	13	64	8	02	5	8	6	3			6								
	16	10035	44	43	41	28	12	64	7	02	5	5	6	3	7		6	6							
	19	10036	43	42	40	29	12	80	7	02	2	7	6	3			6								
	22	10034	43	42	41	29	16	56	7	02	2	7	6	3			6			31	26	210	0000	47	37
15	01	10025	43	42	41	30	17	56	7	02	2	7	6	3			7								
	04	10019	43	42	41	31	18	16	8	52	2	8	6	2			7								
	07	10011	43	43	41	31	20	40	8	02	6	8	6	2			7								
	10	10008	43	43	42	30	20	08	8	52	5	8	6	2			7								
	13	10006	44	44	43	30	20	24	8	50	5	8	6	2			7								
	16	10023	44	41	37	25	09	80	6	03	2	6	5	5	0	0	5								
	19	10033	43	40	36	28	07	80	4	03	2	7	2	5	0	0	5								
	22	10043	42	40	37	26	02	80	7	03	2	7	2	5			5			31	26	429	0002	45	40
16	01	10047	40	37	32	26	09	80	2	01	0	2	4	5	0	0	5								
	04	10048	39	37	34	23	02	80	7	80	8	7	6	3			5								
	07	10061	40	36	29	26	02	80	7	02	2	7	4	5			5								
	10	10068	42	38	31	00	00	81	6	02	2	6	2	4			3								
	13	10072	44	40	34	00	00	81	4	02	1	4	2	4	0	0	3								
	16	10069	44	39	31	00	00	81	5	03	2	5	5	5	0	0	3								
	19	10069	43	39	33	00	00	81	7	03	2	7	5	5			3								
	22	10069	42	41	41	04	05	80	7	02	2	7	5	5			3			36	14	203	0001	46	38
17	01	10055	45	44	44	05	05	32	7	03	2	7	6	3			1								
	04	10040	46	46	46	36	16	08	8	40	5	8	6	2			8								
	07	10038	46	46	46	35	14	03	9	47	4	8	6	0			8								
	10	10043	45	45	45	31	01	01	9	47	8	8	6	0			7								
	13	10046	45	45	45	31	14	02	9	45	6	8	6	0			7								
	16	10052	46	46	45	32	16	08	9	40	4	8	6	0			7								
	19	10053	46	46	46	35	15	02	9	47	4	8	6	0			7								
	22	10059	46	46	46	34	12	01	9	45	4	8	6	0			8			36	25	189	0002	46	43
18	01	10059	46	46	45	34	14	04	9	52	4	8	6	0			8								
	04	10055	46	46	46	35	13	04	9	45	4	8	6	0			8								
	07	10066	45	45	45	31	07	04	9	45	5	8	6	0			7								
	10	10068	48	48	48	36	17	16	8	43	4	8	6	1			8								
	13	10069	49	48	47	36	12	04	9	41	4	8	6	0			8								
	16	10067	48	48	48	36	22	04	9	45	4	8	6	0			8								
	19	10067	48	47	46	35	28	04	9	45	4	8	6	0			8								
	22	10083	46	46	46	35	18	03	9	45	4	8	6	0			8			36	39	471	0005	49	43

Results of Surface Observations,
MACQUARIE — Dec., 1959

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	10087	46	46	46	35	24	04	8	54	6	8	6	0			8								
	04	10090	46	46	46	35	22	01	9	47	5	8	6	0			8								
	07	10099	47	47	47	35	31	16	8	40	5	8	6	2			8								
	10	10109	47	45	43	35	30	16	8	40	2	8	6	2			8								
	13	10103	47	46	45	01	30	16	8	40	4	8	6	2			8								
	16	10090	47	46	45	34	27	16	8	05	2	8	6	2			8								
	19	10070	47	47	46	02	15	24	8	05	2	8	6	2			8								
	22	10060	48	47	47	36	20	24	8	05	2	8	6	2			8			36	61	522	0002	48	45
20	01	10051	46	46	46	36	27	16	8	10	2	8	6	2			8								
	04	10074	44	43	42	33	17	32	6	05	2	1	6	3	3	1	8								
	07	10094	46	45	44	02	09	32	8	61	6	1	6	2	2		8								
	10	10093	45	44	43	00	00	32	8	40	2	6	6	5	2		1								
	13	10070	47	47	47	36	10	16	8	10	5	8	6	1			8								
	16	10050	47	46	46	04	15	16	8	10	2	8	6	2			1								
	19	10020	46	45	44	09	15	16	8	05	2	8	6	2			2								
	22	9953	47	46	46	11	20	16	8	61	6	8	6	1			2			36	59	470	0002	48	44
21	01	9889	47	47	47	36	40	16	8	61	6	8	6	1			8								
	04	9933	45	43	42	34	40	24	8	02	6	8	6	2			7								
	07	9993	45	44	43	33	34	48	7	01	2	7	6	2			7								
	10	10026	45	45	44	33	08	08	8	10	2	8	6	1			7								
	13	10017	46	46	46	35	10	01	9	50	5	8	6	0											
	16	10007	45	45	45	33	09	08	8	40	4	8	6	2			8								
	19	10000	46	44	41	28	02	32	8	10	2	8	6	2			6								
	22	10005	44	44	44	28	14	32	8	50	5	8	6	2			6			31	54	394	0006	48	43
22	01	10026	41	40	39	27	22	24	8	03	5	8	6	4			6								
	04	10055	41	38	34	25	23	64	8	02	2	8	5	5			6								
	07	10089	42	39	33	20	16	80	8	02	2	8	8	5			6								
	10	10105	43	41	37	30	07	80	7	02	5	4	2	5	3	2	6	6	6						
	13	10107	45	43	39	31	19	80	6	03	2	1	2	5	5		6	5							
	16	10101	45	43	40	31	26	80	8	03	2	8	6	4			5								
	19	10096	44	43	42	31	23	40	8	02	2	8	6	3			5								
	22	10107	44	43	42	30	17	40	8	03	2	6	6	3	3		5	6		27	41	329	0000	46	39
23	01	10112	44	43	43	30	17	40	8	02	2	8	6	2			5								
	04	10110	44	44	44	30	16	03	9	47	5	8	6	0			7								
	07	10117	44	44	44	30	17	06	8	43	4	8	6	1			7								
	10	10131	45	44	43	29	15	64	8	28	5	8	6	3			6								
	13	10134	45	44	43	30	15	64	8	02	2	8	6	2			6								
	16	10149	46	45	44	29	12	64	8	02	2	8	6	2			6								
	19	10154	45	45	44	27	12	48	8	02	2	8	6	2			6								
	22	10175	45	45	44	26	09	08	8	54	5	8	6	1			6			27	30	456	0002	46	42
24	01	10181	43	43	43	00	00	03	9	47	4	8	6	0											
	04	10180	43	43	43	29	12	24	8	10	4	8	6	1			6								
	07	10189	44	43	44	29	10	80	8	02	2	8	6	2			6								
	10	10200	45	45	45	31	07	04	8	40	2	8	6	1			7								
	13	10203	46	45	45	31	01	04	8	40	4	8	6	1			7								
	16	10202	48	46	44	00	00	80	5	00	1	2	6	3	0	5	7		7						
	19	10201	46	44	42	29	03	80	7	02	2	7	5	5			7								
	22	10202	45	44	43	32	09	80	8	02	2	8	5	5			7			27	18	290	0002	49	42
25	01	10194	45	44	43	32	12	80	7	02	2	7	5	6			7								
	04	10191	44	43	42	31	10	80	6	03	2	6	6	3			5								
	07	10195	45	44	43	31	10	80	7	03	8	7	6	3			5								
	10	10205	46	45	44	31	12	81	8	02	2	8	5	5			5								
	13	10208	47	45	43	31	10	81	7	02	2	5	5	6			6								
	16	10208	47	45	45	31	03	16	8	10	2	8	6	0			6								
	19	10219	45	45	43	31	06	32	8	10	2	8	6	1			6								
	22	10225	45	45	45	30	08	08	8	50	2	8	6	1			6			31	20	256	0000	49	44
26	01	10229	45	45	45	30	08	08	8	10	2	8	6	1			6								
	04	10228	44	44	44	30	02	80	4	01	1	4	6	2	0	0	5								
	07	10234	46	45	44	30	03	81	3	02	1	3	2	5	0	0	5								
	10	10237	49	46	42	28	10	81	3	02	1	3	6	4	0	0	6								
	13	10231	52	48	43	27	03	81	1	01	0	1	5	5	0	0	6								
	16	10230	50	47	43	28	05	82	1	02	0	1	0	9	3	0									
	19	10225	48	46	44	00	00	82	1	02	0	1	0	9	3	0									
	22	10226	45	44	43	13	03	82	1	02	0	1	0	9	3	0				29	17	203	0001	52	43
27	01	10214	45	44	43	15	06	80	7	03	2	7	6	2			3								
	04	10178	45	45	44	16	06	80	7	02	2	7	6	3			3								
	07	10194	46	46	46	14	05	04	8	50	4	8	6	1			3								
	10	10185	47	46	46	00	00	00	8	51	5	8	6	0											
	13	10176	47	47	47	00	00	00	8	51	5	8	6	0											
	16	10164	47	46	45	29	05	01	7	30	5	7	6	1			6								
	19	10157	47	46	46	29	11	01	8	45	4	8	6	0			6								
	22	10159	46	46	46	29	13	01	8	45	4	8	6	0			6			29	14	073	0008	48	43

Results of Surface Observations, MACQUARIE – Dec., 1959

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	10159	46	46	46	27	08	01	8	45	4	8	6	0											
	04	10149	45	44	44	27	10	00	8	45	4	8	6	0											
	07	10147	46	45	45	27	08	00	8	47	4	8	6	0											
	10	10140	46	45	45	00	00	00	8	45	4	8	6	0											
	13	10134	47	47	47	27	11	01	8	45	4	8	6	0											
	16	10117	45	45	45	27	11	01	8	45	4	8	6	0											
	19	10107	45	45	45	27	12	00	8	50	5	8	6	0											
	22	10105	45	45	45	22	12	00	8	45	5	8	6	0						23	32	068	0003	48	42
29	01	10115	43	42	42	23	12	08	8	01	5	8	5	2			5								
	04	10108	41	38	33	27	25	40	8	02	2	8	5	3			6								
	07	10126	41	39	36	23	08	16	8	50	2	8	5	3			5								
	10	10131	42	39	33	23	26	40	6	01	2	6	5	3			5								
	13	10145	44	40	34	25	18	80	5	03	2	5	5	3			5								
	16	10155	45	41	35	20	10	80	7	03	2	7	5	3			5								
	19	10163	41	38	33	14	12	80	7	03	2	7	5	4			5								
	22	10176	40	37	33	18	12	64	8	00	2	8	5	4			4			25	43	157	0003	46	39
30	01	10178	39	37	33	16	06	64	8	00	2	8	5	4			4								
	04	10175	39	36	33	16	03	80	8	00	2	8	5	4			4								
	07	10171	38	36	33	14	02	80	8	00	2	8	5	5			4								
	10	10162	40	37	34	34	02	81	8	00	2	8	5	5			7								
	13	10134	42	40	35	32	14	81	8	02	2	8	5	5			7								
	16	10115	43	41	38	32	20	81	8	02	2	8	5	5			7								
	19	10093	44	42	39	32	20	80	8	03	2	8	5	5			7								
	22	10076	45	44	43	34	22	80	8	02	2	8	5	4			7			31	26	227	0000	45	32
31	01	10057	45	44	43	34	20	40	8	02	2	8	6	2			7								
	04	10032	45	45	45	32	21	08	8	02	2	8	6	1			7								
	07	10023	45	45	45	32	21	04	8	47	2	8	6	1			7								
	10	10003	46	46	46	32	25	04	8	45	4	8	6	1			7								
	13	9982	46	46	46	32	25	04	8	45	2	8	6	1			7								
	16	9953	47	45	43	32	25	04	8	45	4	8	6	1			7								
	19	9913	46	46	46	33	25	02	8	62	6	8	6	0			7								
	22	9883	46	46	46	32	30	01	8	63	6	8	6	0			7			31	41	453	0000	47	43

Results of Surface Observations,
MAWSON – JAN., 1959

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	27		20	14	14	84	7	02	2	7	5	7											
	05	9872	27		17	14	12	83	7	02	2	6	5	5	7										
	08	9880	28		18	14	12	83	7	02	2	5	5	5	7										
	11	9882	32		18	05	03	83	3	01	2	2	5	6	7	0									
	14	9884	32		23	31	04	84	3	02	0	2	5	5	7	0									
	17	9885	33		25	27	06	84	4	02	0	3	5	5	7	0									
	20	9884	33		25	25	05	84	6	03	1	6	5	5	0	0									
	23	9886	35		26	27	04	84	6	02	2	6	5	5	0	0				14	21	229	0000	33	25
02	02	9888	28		14	12	14	84	6	02	2	6	5	6											
	05	9886	28		12	12	12	84	5	01	2	5	5	7	0	0									
	08	9884	28		23	06	06	84	5	02	1	5	5	7	0	0									
	11	9881	31		18	07	04	84	4	01	1	4	5	7	0	0									
	14	9885	31		24	32	04	84	5	02	1	5	5	5	0	3									
	17	9885	31		22	29	04	84	4	02	1	4	2	5	3	0									
	20	9878	32		24	00	00	84	3	05	0	2	2	6	0	8									
	23	9882	30		23	23	01	84	5	02	1	2	4	6	7	9				13	22	140	0000	33	27
03	02	9886	27		26	00	00	84	2	01	1	2	5	6	0	0									
	05	9886	26		23	00	00	84	4	02	1	1	5	6	7	0									
	08	9887	27		24	05	06	84	7	03	1	8	0	8	7										
	11	9890	30		21	34	04	84	8	02	2	5	5	8											
	14	9899	31		20	07	03	84	7	02	2	6	5	7	3										
	17	9903	31		22	04	03	84	7	02	2	7	5	7											
	20	9906	30		24	00	00	84	7	02	2	1	5	5	7										
	23	9914	28		25	00	00	84	7	02	2	1	5	5	7					10	10	132	0000	32	25
04	02	9917	27		23	13	10	84	7	02	2	5	5	5	2										
	05	9926	27		22	10	11	82	7	70	7	5	5	5	2										
	08	9926	27		20	12	17	82	7	71	7	5	5	5	7										
	11	9926	32		18	11	11	82	6	15	7	4	8	7	7	0									
	14	9924	32		16	05	07	82	7	02	2	4	5	7	7										
	17	9923	31		19	08	04	83	7	02	2	2	5	7	7										
	20	9920	30		19	28	02	83	7	02	2	1	3	7	7										
	23	9923	29		20	00	00	83	6	01	2	1	5	7	7					11	22	143	0000	32	27
05	02	9922	25		14	17	10	84	5	02	2	3	5	7	3	0									
	05	9922	20		08	16	23	84	0	01	1	0	0	0	0	0									
	08	9915	24		10	16	18	84	1	03	0	0	0	9	0	5									
	11	9913	30		10	17	11	84	3	03	0	0	0	9	0	5									
	14	9904	32		09	13	02	84	6	03	1	0	0	9	0	6									
	17	9903	30		17	25	07	84	6	02	1	0	0	9	3	8									
	20	9902	31		12	26	02	84	6	02	1	0	0	9	3	8									
	23	9903	28		15	13	16	84	8	02	2	0	0	9	7	8				16	33	245	0000	32	20
06	02	9909	26		11	13	24	82	8	02	2	0	0	9	2										
	05	9909	25		14	13	26	81	8	02	2	0	0	7	2										
	08	9912	25		18	13	35	20	8	70	7	0	0	5	2										
	11	9925	29		21	12	38	20	8	70	7	0	0	5	2										
	14	9942	31		26	10	34	80	8	70	7	0	0	5	2										
	17	9954	31		28	10	33	08	8	71	7	0	0	4	2										
	20	9966	30		29	10	33	24	8	71	7	0	0	4	2										
	23	9979	30		29	11	38	24	8	71	7	0	0	5	2					12	53	344	0000	32	25
07	02	9988	28		25	12	39	40	8	71	7	8	7	6	2										
	05	9986	26		25	12	41	08	8	71	7	8	7	6	2										
	08	9976	25		24	12	44	00		71	7														
	11	9971	26		25	12	42	04		71	7														
	14	9942	28		27	12	42	04		71	7														
	17	9925	27		24	12	41	04		71	7														
	20	9909	27		24	12	40	04		71	7														
	23	9882	27		23	12	36	16		70	7									12	55	945	0002	27	25
08	02	9851	27		23	12	35	81	8	36	7	0	0	7	2										
	05	9820	27		21	13	35	81	8	15	3	0	0	7	2										
	08	9783	27		21	13	33	81	8	15	2	0	0	7	2										
	11	9753	28		22	13	32	80	8	70	7	0	0	7	2										
	14	9732	33		20	12	32	82	8	15	7	8	0	7											
	17	9725	31		20	12	31	81	8	70	7	0	0	5	2										
	20	9710	30		22	11	21	81	8	70	7	0	0	5	2										
	23	9705	29		23	09	13	82	8	15	7	1	5	5	2					13	47	1016	0001	33	27
09	02	9699	29		24	16	17	81	8	70	7	4	5	5	1										
	05	9697	29		22	10	23	81	7	15	7	4	5	5	1										
	08	9750	30		23	10	19	82	8	15	2	5	5	5	1										
	11	9715	32		24	08	16	82	8	02	2	5	5	5											
	14	9723	33		26	09	18	82	8	02	2	5	5	5	2										
	17	9730	34		25	09	18	81	8	15	2	5	5	5											
	20	9740	32		26	06	08	81	8	15	2	3	5	7	7	0									
	23	9750	32		26	09	09	81	8	15	2	4	5	7	0	8				12	30	658	0000	34	29

Results of Surface Observations,
MAWSON – JAN., 1959

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	9756	31		24	13	20	82	8	02	2	3	5	7	7										
	05	9761	30		21	13	24	82	8	02	2	3	5	5	7										
	08	9765	32		21	13	24	82	7	01	2	4	5	7	7										
	11	9773	35		24	12	24	82	7	02	2	5	5	7	7										
	14	9780	37		24	12	23	82	7	15	2	2	5	7	7										
	17	9785	36		27	05	12	82	7	15	2	3	5	7	7										
	20	9786	36		26	12	15	82	7	15	7	5	5	6	2										
	23	9783	33		22	12	24	82	8	15	2	6	5	6	2					13	33	429	0000	37	29
11	02	9785	30		20	13	21	82	8	15	2	5	5	6	2										
	05	9786	30		21	13	21	82	8	15	2	3	5	5	7										
	08	9785	34		25	12	22	82	8	15	2	5	5	5	0	8									
	11	9792	35		23	12	17	82	8	15	2	6	5	6	0	8									
	14	9797	37		23	09	05	83	6	01	2	3	5	6	3	8									
	17	9809	36		27	05	07	80	7	83	2	7	8	5											
	20	9812	35		25	25	04	83	5	05	2	0	0	9	0	8									
	23	9813	33		23	15	09	84	3	05	1	0	0	9	0	8				13	28	512	0000	39	30
12	02	9820	26		14	15	20	84	2	02	1	0	0	9	0	8									
	05	9811	23		09	15	21	84	5	03	1	0	0	9	0	8									
	08	9808	28		14	12	03	84	2	01	1	0	0	9	0	8									
	11	9808	31		11	00	00	84	5	03	1	0	0	9	0	8									
	14	9813	31		14	07	04	84	3	01	1	0	0	9	0	8									
	17	9815	33		17	06	02	84	1	01	1	0	0	9	0	2									
	20	9830	30		23	07	02	84	6	03	0	6	5	6											
	23	9842	31		23	13	08	84	7	03	2	7	5	7						14	31	234	0000	33	23
13	02	9855	30		23	10	13	84	7	02	2	7	5	7											
	05	9863	30		20	13	11	83	7	02	7	7	5	7											
	08	9864	30		17	14	16	84	6	01	2	6	5	7	0	0									
	11	9864	35		18	13	10	84	6	02	2	6	5	7	0	0									
	14	9862	33		20	26	05	84	6	02	2	6	5	8	0	0									
	17	9858	34		20	27	04	84	5	02	1	0	0	9	3	0									
	20	9852	33		17	24	04	84	2	01	1	0	0	9	3	0									
	23	9854	30		18	07	04	84	2	02	1	0	0	9	3	0				14	22	160	0000	36	29
14	02	9857	30		16	16	16	84	1	02	1	0	0	9	3	0									
	05	9858	27		12	15	23	84	3	02	1	0	0	9	0	8									
	08	9845	34		14	13	22	84	1	01	1	0	0	9	0	8									
	11	9853	35		15	13	23	84	0	02	0	0	0	9	0	0									
	14	9870	39		19	12	12	84	0	02	0	0	0	9	0	0									
	17	9876	37		18	00	00	84	0	02	0	0	0	9	0	0									
	20	9877	37		19	12	12	84	0	02	0	0	0	9	0	0									
	23	9884	29		16	14	17	84	0	02	0	0	0	9	0	0				13	34	263	0000	40	26
15	02	9892	26		10	14	24	84	0	02	0	0	0	9	0	0									
	05	9892	23		08	13	30	84	1	02	1	1	5	6	0	0									
	08	9895	30		14	13	20	84	4	03	1	4	5	7	0	0									
	11	9897	33		17	13	19	84	8	02	2	8	5	7											
	14	9901	35		20	12	17	84	7	01	2	5	5	7	1										
	17	9903	35		20	12	11	84	7	02	2	6	5	7	1										
	20	9906	31		25	00	00	84	7	02	2	6	5	7	1										
	23	9909	31		24	06	02	84	7	02	2	6	5	7	1					13	40	386	0000	35	23
16	02	9913	30		23	09	04	83	8	02	2	4	6	6	1										
	05	9917	30		25	00	00	83	8	71	7	5	7	6	2										
	08	9918	30		17	09	05	83	7	02	7	6	5	7	1										
	11	9919	32		16	00	00	83	7	15	2	6	5	7	1										
	14	9922	33		18	27	05	84	1	01	2	1	5	7	0	0									
	17	9925	33		17	25	03	84	1	02	0	1	5	7	0	0									
	20	9926	34		16	00	00	84	1	02	0	1	5	7	0	0									
	23	9924	31		20	00	00	84	1	02	0	1	5	7	0	0				15	23	218	0000	35	27
17	02	9926	24		10	16	17	84	0	02	0	0	0	9	0	0									
	05	9918	22		08	16	22	84	0	02	0	0	0	9	0	0									
	08	9909	27		10	14	09	84	1	02	0	0	0	9	0	8									
	11	9897	30		11	34	05	84	3	03	0	0	0	9	0	8									
	14	9894	31		17	25	04	84	3	02	1	0	0	9	0	8									
	17	9892	32		13	26	05	84	2	02	1	0	0	9	3	8									
	20	9878	33		15	26	03	84	5	03	1	0	0	9	7	8									
	23	9878	29		16	15	16	84	3	02	1	0	0	9	7	0				16	34	165	0000	33	22
18	02	9869	26		08	15	23	84	3	02	1	0	0	9	7	0									
	05	9860	27		08	15	22	84	7	03	1	1	5	7	7										
	08	9855	25		08	14	25	84	7	02	2	0	0	9	7										
	11	9849	31		12	12	15	84	6	01	2	0	0	9	7										
	14	9853	32		13	09	07	84	6	02	1	0	0	9	3	8									
	17	9854	31		17	06	06	84	3	01	1	0	0	9	0	8									
	20	9858	30		18	08	07	84	1	01	1	0	0	9	0	8									
	23	9861	25		13	13	20	84	2	02	1	0	0	9	7	8				14	34	268	0000	32	23

Results of Surface Observations,
MAWSON – JAN., 1959

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	9865	22		09	13	25	84	2	02	1	1	5	7	0	8									
	05	9870	21		08	13	25	84	1	01	1	1	5	7	0	0									
	08	9878	26		14	12	22	84	2	03	0	2	5	7	0	0									
	11	9889	29		16	09	15	84	6	03	1	6	5	7	0	0									
	14	9909	31		18	07	12	84	2	01	1	2	5	6	0	0									
	17	9915	30		20	08	09	84	4	03	1	4	5	7	0	0									
	20	9924	30		21	26	06	84	7	02	2	7	5	7											
	23	9938	29		16	12	08	84	7	02	2	7	5	7						14	33	389	0000	32	20
20	02	9946	28		15	13	15	84	7	02	2	7	5	7											
	05	9953	29		15	13	09	84	7	02	2	5	5	7											
	08	9958	30		09	17	12	84	6	02	2	2	5	7	3	0									
	11	9957	34		13	20	06	84	6	01	1	0	0	9	3	0									
	14	9957	35		14	27	04	84	1	02	0	1	1	8	0	0									
	17	9961	35		16	27	06	84	2	02	0	2	4	8	0	0									
	20	9956	33		12	00	00	84	0	02	0	0	0	9	0	0									
	23	9957	28		11	14	17	84	1	02	0	1	5	7	0	0				15	26	271	0000	36	28
21	02	9965	21		06	16	25	84	1	02	0	1	5	7	0	0									
	05	9968	22		05	16	23	84	0	01	0	0	0	9	0	0									
	08	9970	26		09	15	17	84	1	02	0	1	5	7	0	0									
	11	9980	32		11	15	11	84	0	02	0	0	0	9	0	0									
	14	9996	31		14	25	05	84	1	02	0	0	0	9	0	1									
	17	10008	32		11	25	05	84	1	02	0	0	0	9	0	8									
	20	10019	34		13	00	00	84	3	03	1	0	0	9	7	8									
	23	10038	31		16	12	10	84	7	03	1	0	0	9	7					16	38	287	0000	34	19
22	02	10048	31		15	13	19	84	7	02	2	0	0	9	7										
	05	10053	29		13	13	22	84	7	02	2	0	0	9	7	8									
	08	10073	32		14	13	21	84	8	03	2	0	0	9	7	8									
	11	10073	33		14	10	15	84	8	02	2	0	0	9	7										
	14	10084	31		16	08	21	83	8	02	2	0	0	9	2										
	17	10082	32		17	10	20	82	8	15	2	5	7	5	2										
	20	10081	29		26	09	16	16	8	73	7	8	0	5	2										
	23	10078	29		26	08	13	16	8	71	7	8	0	5	2					09	33	260	0000	34	28
23	02	10077	28		26	08	11	02	8	73	7	8	0	5	2										
	05	10076	27		26	07	06	02	8	73	7	8	0	4	2										
	08	10063	29		28	12	23	64	8	36	3	8	0	5	2										
	11	10061	31		23	12	22	80	7	15	3	4	5	7											
	14	10054	33		22	10	11	83	7	02	2	7	5	5											
	17	10046	30		25	26	07	82	8	15	2	2	7	5	2										
	20	10028	29		26	00	00	83	7	02	2	7	5	6	2										
	23	10012	28		25	00	00	84	7	02	2	7	5	6						11	30	461	0008	34	27
24	02	10002	22		15	15	15	84	2	01	1	1	5	7	1	0									
	05	9992	20		10	12	07	84	1	02	1	1	5	7	0	0									
	08	9968	18		17	07	04	84	1	02	1	1	5	8	0	0									
	11	9953	21		09	25	02	84	1	02	1	1	5	8	0	0									
	14	9938	24		12	32	08	84	1	02	0	1	5	8	0	0									
	17	9932	26		17	27	05	84	1	02	0	1	5	8	0	0									
	20	9922	25		18	07	03	84	1	02	0	1	5	7	0	0									
	23	9923	27		16	00	00	84	7	03	0	1	5	7	7	0				16	26	268	0000	27	18
25	02	9927	28		19	00	00	84	7	02	2	2	6	6	2										
	05	9929	30		22	13	08	83	7	02	2	5	6	5	7										
	08	9939	26		16	13	22	32	8	71	7	8	0	6	2										
	11	9937	28		24	12	27	16	8	71	7	8	0	6	2										
	14	9940	30		27	11	31	16	8	71	7	8	0	5	2										
	17	9941	31		27	11	35	08	8	71	7	8	0	5	2										
	20	9946	30		26	11	41	16	8	71	7	8	0	5	2										
	23	9943	27		24	12	43	03	8	71	7	8	0	5	2					12	57	133	0000	31	26
26	02	9940	26		25	12	43	00		73	7														
	05	9934	26		25	12	45	00		75	7														
	08	9925	26		25	12	42	00		75	7														
	11	9911	27		26	12	42	00		75	7														
	14	9904	29		26	12	44	00		75	7														
	17	9893	28		27	12	43	00		75	7														
	20	9886	28		26	12	43	00		75	7														
	23	9879	29		27	12	40	24	8	38	7	8	0	3	2					12	56	968	0003	29	26
27	02	9879	28		26	13	41	00	8	71	3	8	0	3	2										
	05	9883	28		27	15	37	16	8	38	7	6	5	5	7										
	08	9886	30		29	14	27	80	8	38	3	4	5	5	7										
	11	9884	30		15	14	28	80	8	36	3	5	5	5	7										
	14	9892	33		12	13	20	82	8	02	3	5	5	5	2										
	17	9893	33		15	13	17	83	8	02	2	3	5	7	1										
	20	9897	35		19	00	00	83	4	01	2	3	5	7	0	8									
	23	9901	27		15	15	15	83	1	01	1	1	5	7	0	0				13	60	044	0004	35	26

Results of Surface Observations,
MAWSON – JAN., 1959

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
		inlb × 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	22		10	15	19	84	0	02	0	0	0	9	0	0									
	05	9916	21		07	16	16	84	0	02	0	0	0	9	0	0									
	08	9925	24		09	16	13	84	0	02	0	0	0	9	0	0									
	11	9929	29		11	11	11	84	1	02	0	1	5	7	0	0									
	14	9939	32		13	10	10	84	1	02	0	1	5	7	0	0									
	17	9947	31		20	07	11	84	2	03	0	1	5	7	0	8									
	20	9956	29		20	12	12	84	5	03	1	1	5	7	7	8									
	23	9966	29		23	11	20	84	7	03	1	1	5	7	7					16	34	378	0000	33	19
29	02	9984	27		18	16	16	84	0	02	0	0	0	9	0	0									
	05	9995	25		16	12	25	82	8	70	2	6	7	5	2										
	08	9999	26		20	12	21	82	8	15	7	6	7	5	2										
	11	9995	30		25	11	23	82	8	15	7	6	5	7	2										
	14	9992	32		26	12	21	81	8	70	7	4	7	6	2										
	17	9972	32		32	09	32	80	8	70	7	8	0	5	2										
	20	9955	30		30	10	35	32	8	70	7	8	0	5	2										
	23	9931	28		28	10	34	24	8	38	3	8	0	4	2					11	49	406	0000	33	25
30	02	9883	27		27	11	46	01		71	3														
	05	9863	27		27	11	49	01		71	7														
	08	9846	27		27	11	49	00		73	7														
	11	9833	27		24	12	49	00		73	7														
	14	9819	26		26	12	48	00		75	7														
	17	9801	26		26	12	47	00		75	7														
	20	9790	25		25	12	48	00		75	7														
	23	9783	25		25	12	49	00		75	7									12	65	883		27	24
31	02	9786	25		25	12	47	00		75	7														
	05	9786	25		25	12	45	00		75	7														
	08	9787	26		26	13	40	00		75	7														
	11	9785	26		26	13	38	08		71	7														
	14	9788	27		25	12	38	82	8	38	7	4	5	7	1										
	17	9794	28		21	12	37	82	8	36	3	5	5	6	1										
	20	9799	27		23	12	31	82	8	36	3	5	5	6	7										
	23	9805	27		20	12	26	82	8	15	3	5	7	5	2					12	55	1204	0034	28	24

Results of Surface Observations,
MAWSON – Feb., 1959

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	9808	26		18	12	30	82	8	15	2	5	7	5	2										
	05	9804	26		21	12	34	81	8	15	2	5	7	5	2										
	08	9798	26		23	12	32	80	8	38	3	6	7	6	2										
	11	9800	27		20	11	35	32	8	71	7	8	0	5	2										
	14	9817	27		22	12	31	32	8	71	7	8	0	5	2										
	17	9825	29		19	12	27	82	8	15	7	4	7	6	1										
	20	9835	28		17	12	25	81	7	15	7	3	7	5	7										
	23	9849	25		13	13	30	81	8	36	3	7	7	5	1					13	47	875	0000	29	24
02	02	9859	25		12	12	29	80	8	36	3	8	0	5	2										
	05	9866	23		13	12	27	80	8	36	3	6	7	5	2										
	08	9870	25		10	12	27	82	8	02	3	5	5	5											
	11	9872	26		14	12	22	32	8	71	7	8	0	5	2										
	14	9870	28		14	12	17	82	8	71	7	8	0	5	2										
	17	9866	28		14	13	15	82	8	02	7	8	0	5	2										
	20	9863	27		14	12	20	82	8	02	7	8	0	6	2										
	23	9858	26		13	12	20	82	8	02	2	8	0	7	2					13	38	747	0000	29	23
03	02	9849	25		13	12	25	82	8	36	3	5	7	5	2										
	05	9846	24		15	13	24	81	8	71	7	3	7	5	2										
	08	9839	24		14	13	27	80	8	70	7	2	7	5	2										
	11	9839	25		14	12	27	81	8	36	7	3	7	5	2										
	14	9840	28		15	12	23	80	8	36	3	3	7	5	2										
	17	9841	28		15	13	21	80	8	02	2	3	7	5	2										
	20	9840	27		15	12	26	80	8	02	3	4	7	5	2										
	23	9842	26		13	13	17	80	8	70	2	2	7	5	2					12	38	532	0000	28	24
04	02	9841	24		12	13	26	80	8	70	7	2	7	5	2										
	05	9843	23		06	12	32	82	8	36	3	1	7	5	2										
	08	9846	23		09	13	21	82	8	02	3	5	7	6	2										
	11	9853	27		08	12	14	82	8	02	2	6	7	6	2										
	14	9852	30		11	10	13	83	7	02	2	3	0	9	1	8									
	17	9855	29		12	10	14	84	7	02	2	0	0	9	0	7									
	20	9867	26		09	12	16	84	7	02	2	1	5	7	1	8									
	23	9873	21		04	13	23	84	7	02	2	2	0	9	1	8				13	42	636	0000	31	21
05	02	9881	21		01	13	27	84	8	02	2	2	0	9	1	8									
	05	9891	18		501	13	29	84	8	02	2	2	0	9	1	8									
	08	9898	20		01	13	23	84	7	02	2	2	0	9	1	8									
	11	9906	25		02	11	12	84	3	01	2	0	0	9	0	8									
	14	9908	27		00	09	02	84	6	03	1	0	0	9	0	8									
	17	9913	27		03	25	05	84	5	02	2	0	0	9	0	8									
	20	9918	27		06	24	02	84	1	01	1	0	0	9	0	8									
	23	9923	20		02	14	16	84	0	02	0	0	0	9	0	0				14	42	465	0000	28	17
06	02	9919	18		00	13	24	84	1	02	0	0	0	9	0	8									
	05	9913	17		501	13	23	84	0	02	0	0	0	9	0	0									
	08	9913	20		01	14	18	84	0	02	0	0	0	9	0	0									
	11	9906	24		03	13	12	84	0	02	0	0	0	9	0	0									
	14	9903	28		03	13	12	84	0	02	0	0	0	9	0	0									
	17	9900	27		03	07	03	84	0	02	0	0	0	9	0	0									
	20	9891	26		03	25	05	84	0	02	0	0	0	9	0	0									
	23	9883	21		04	14	09	84	0	02	0	0	0	9	0	0				14	35	316	0000	28	16
07	02	9877	19		00	15	16	84	0	02	0	0	0	9	0	0									
	05	9885	18		502	25	04	84	0	02	0	0	0	9	0	0									
	08	9875	20		00	27	03	84	0	02	0	0	0	9	0	0									
	11	9878	24		503	18	02	84	1	02	0	0	0	9	0	8									
	14	9878	24		00	07	04	84	1	02	0	0	0	9	0	8									
	17	9883	24		00	06	03	84	1	02	0	0	0	9	0	8									
	20	9891	25		01	00	00	84	1	02	0	1	5	7	0	0									
	23	9898	18		00	13	14	84	1	02	0	1	5	7	0	0				16	36	246	0000	25	15
08	02	9905	15		503	13	20	84	1	02	0	1	5	7	0	0									
	05	9911	15		506	13	21	84	2	02	1	1	5	6	0	8									
	08	9914	17		506	13	18	84	1	02	1	1	5	6	0	0									
	11	9920	23		503	12	12	84	1	02	1	1	5	6	0	0									
	14	9921	25		01	07	06	84	1	02	1	1	5	6	0	0									
	17	9921	27		01	09	08	84	2	03	1	1	5	7	0	8									
	20	9923	24		00	12	14	84	6	02	1	1	5	7	0	8									
	23	9916	20		04	13	23	84	6	02	1	1	5	7	0	8				14	31	254	0000	27	14
09	02	9925	19		04	14	19	84	6	02	1	1	5	7	0	8									
	05	9928	20		04	13	16	84	4	02	1	1	0	9	7	0									
	08	9922	19		04	13	22	84	6	03	1	1	5	7	0	8									
	11	9924	24		08	12	16	84	6	02	1	0	0	9	0	8									
	14	9926	27		12	09	14	84	8	03	1	3	0	9	7	8									
	17	9924	27		12	09	12	84	8	02	2	8	0	9	2										
	20	9911	26		13	09	13	84	8	02	2	1	5	6	2										
	23	9905	24		13	11	15	80	8	70	2	8	0	7	2					13	31	397	0000	28	18

Results of Surface Observations,
MAWSON – Feb., 1959

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	9873	23		14	13	29	80	8	70	7	8	0	7	2										
	05	9815	22		16	13	31	40	8	70	7	8	0	7	2										
	08	9788	22		14	13	36	16	8	75	7	8	0	4	2										
	11	9733	23		18	12	44	01	8	75	7														
	14	9679	25		21	13	45	02	8	75	7														
	17	9668	27		22	13	35	06	8	75	7	8	0	4	2										
	20	9670	28		19	15	20	80	8	15	7	8	0	6	2										
	23	9682	25		20	24	10	24	8	71	7	8	0	5	2					13	65	506	0000	28	21
11	02	9678	26		19	22	03	81	8	22	7	8	0	6	2										
	05	9677	24		21	00	00	83	7	01	7	3	5	5	1										
	08	9680	24		21	00	00	83	6	02	2	6	5	5											
	11	9694	25		20	24	01	83	4	02	2	4	5	5	0	0									
	14	9735	26		17	30	06	83	5	02	1	5	5	6	0	0									
	17	9738	25		13	32	02	83	1	02	1	1	5	6	0	0									
	20	9752	25		14	00	00	83	3	03	1	1	5	6	3	0									
	23	9749	25		12	12	14	82	7	02	2	7	5	6						18	14	566	0001	26	24
12	02	9748	25		13	14	23	82	7	02	2	4	0	9	2	8									
	05	9749	25		12	13	18	82	8	02	2	1	5	6	2										
	08	9775	29		15	15	18	82	8	14	2	1	5	6	2	8									
	11	9793	31		17	13	24	82	8	14	2	1	5	5	2	7									
	14	9801	34		20	12	16	82	8	14	2	1	5	5	2	7									
	17	9811	35		21	12	20	82	8	14	2	1	5	5	7	7									
	20	9819	33		21	13	21	82	8	03	2	7	5	6		8									
	23	9827	30		19	13	25	82	8	02	2	7	5	6		8				12	32	259	0000	35	25
13	02	9830	29		17	13	28	82	8	02	2	7	5	6	0	8									
	05	9830	29		15	13	27	82	8	02	2	7	5	6	2										
	08	9835	33		16	13	24	83	6	01	1	6	3	6	2	0									
	11	9834	35		16	12	24	83	4	02	1	1	2	6	5	1									
	14	9836	37		19	12	17	83	2	02	2	2	5	6	0	7									
	17	9837	36		19	11	07	83	7	02	2	1	5	6	3	2									
	20	9834	34		18	11	17	83	7	02	2	7	0	9	7										
	23	9823	28		13	13	22	83	6	03	1	6	5	6	0	0				13	36	572	0000	37	27
14	02	9825	29		12	13	28	83	6	02	2	6	5	6	0	0									
	05	9826	29		14	13	22	82	8	02	2	8	5	6											
	08	9824	30		17	13	24	82	8	02	2	8	5	6											
	11	9819	32		19	11	24	82	8	02	2	8	5	6											
	14	9817	35		22	12	18	82	8	02	2	8	5	6											
	17	9820	36		22	12	16	83	7	02	2	7	0	9	7										
	20	9833	33		21	12	13	83	7	02	2	3	5	6	7										
	23	9834	32		19	13	16	83	8	02	2	8	0	9	7					12	39	510	0000	36	27
15	02	9841	31		16	13	16	83	7	02	2	1	5	6	7										
	05	9844	28		12	16	22	83	7	02	2	1	5	6	7										
	08	9843	28		12	14	17	83	4	02	1	1	5	6	3	0									
	11	9844	32		13	13	18	83	1	02	1	1	0	9	3	0									
	14	9854	35		14	11	11	83	1	02	1	1	0	9	3	0									
	17	9870	30		14	14	07	83	1	02	0	1	5	6	7	0									
	20	9876	27		12	10	12	83	2	03	0	2	2	6	7	0									
	23	9885	19		02	16	25	83	2	02	0	1	2	6	7	0				14	31	415		35	18
16	02	9889	19		02	16	22	83	2	02	0	1	5	6	4	0									
	05	9892	15		501	15	30	83	2	02	0	1	5	6	4	0									
	08	9895	20		00	14	24	83	2	02	0	1	5	6	3	0									
	11	9897	20		04	14	28	83	1	02	0	1	5	6	0	0									
	14	9901	25		09	13	22	83	1	02	0	1	5	6	0	0									
	17	9907	24		08	11	21	83	2	02	0	2	8	6	0	0									
	20	9905	20		05	11	18	83	2	02	0	2	8	6	0	0									
	23	9915	18		01	13	20	83	1	02	0	1	5	6	0	0				14	40	390		25	15
17	02	9912	11		504	13	32	83	0	02	0	0	0	9	0	0									
	05	9904	15		00	15	14	83	0	02	0	0	0	9	0	0									
	08	9902	17		02	16	36	83	4	03	1	1	5	6	3	0									
	11	9897	24		07	12	22	83	6	03	2	1	5	6	3	5									
	14	9891	30		11	14	08	83	7	03	2	7	0	9	7										
	17	9891	30		10	18	08	83	3	01	1	1	1	6	1	0									
	20	9891	25		06	22	14	83	2	01	0	1	0	9	1	5									
	23	9888	21		02	12	38	83	2	01	0	2	0	9	1	5				16	50	578		32	11
18	02	9878	19		02	12	42	83	1	02	0	1	5	6	0	0									
	05	9876	21		03	14	34	82	0	02	0	0	0	9	0	0									
	08	9877	21		04	15	35	82	1	03	0	1	0	9	3	0									
	11	9859	26		08	16	38	82	1	02	0	1	0	9	3	0									
	14	9870	30		13	32	08	83	2	02	1	1	5	6	0	5									
	17	9869	30		14	28	02	83	2	02	1	1	5	6	0	5									
	20	9864	28		09	00	00	83	3	03	0	1	0	9	1	6									
	23	9879	24		03	00	00	83	2	01	0	2	0	9	1	1				16	54	559		31	19

Results of Surface Observations,
MAWSON – Feb., 1959

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
		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	02	9881	20		01	09	05	83	1	01	0	1	0	9	1	0									
	05	9887	17		00	13	17	83	1	02	0	1	0	9	1	0									
	08	9880	19		00	15	17	83	2	02	0	2	0	9	0	2									
	11	9883	21		02	13	14	83	3	03	1	1	5	6	0	4									
	14	9879	23		02	07	02	83	3	02	1	1	5	6	3	8									
	17	9877	23		03	08	04	83	6	03	2	1	5	6	3										
	20	9868	21		03	14	08	83	3	01	1	2	0	9	4	1									
	23	9889	19		04	13	12	83	1	02	0	1	0	9	4	0				17	38	391		26	16
20	02	9892	14		03	16	22	83	0	02	0	0	0	9	0	0									
	05	9871	17		502	14	20	82	3	03	1	1	2	8	4	2									
	08	9870	18		502	13	20	83	1	01	1	1	8	8	0	0									
	11	9869	20		02	13	18	83	1	02	0	1	8	8	0	0									
	14	9870	23		05	08	08	83	1	02	0	1	8	6	0	0									
	17	9859	23		05	11	14	83	1	02	1	1	8	6	0	0									
	20	9857	19		03	13	20	83	1	02	0	1	8	6	0	0									
	23	9870	16		00	14	16	83	0	02	0	0	0	9	0	0				14	37	381		24	13
21	02	9868	14		501	14	30	83	1	02	0	1	0	9	3	0									
	05	9870	13		503	15	26	83	4	02	1	4	0	9	3	0									
	08	9857	15		00	15	26	83	3	02	1	3	0	9	3	0									
	11	9843	23		05	14	16	83	1	02	1	1	0	9	3	0									
	14	9842	28		09	17	10	83	0	01	0	0	0	9	0	0									
	17	9842	26		06	14	18	83	0	01	0	0	0	9	0	0									
	20	9838	24		06	14	16	83	0	02	0	0	0	9	0	0									
	23	9843	18		501	13	20	83	0	02	0	0	0	9	0	0				16	37	492		29	13
22	02	9842	15		503	14	15	83	0	02	0	0	0	9	0	0									
	05	9827	14		509	14	22	83	0	02	0	0	0	9	0	0									
	08	9818	16		502	14	16	83	0	02	0	0	0	9	0	0									
	11	9813	22		05	11	08	83	0	02	0	0	0	9	0	0									
	14	9805	26		07	11	16	83	1	02	0	1	5	6	0	0									
	17	9809	24		07	07	06	83	1	02	0	1	5	6	0	0									
	20	9814	23		06	17	05	83	2	02	0	1	5	6	1	0									
	23	9826	17		501	13	08	83	0	02	0	0	0	9	0	0				13	30	380		26	13
23	02	9832	13		503	14	20	83	0	02	0	0	0	9	0	0									
	05	9833	12		506	15	20	83	0	02	0	0	0	9	0	0									
	08	9819	14		506	15	29	83	0	02	0	0	0	9	0	0									
	11	9823	19		501	13	24	83	0	02	0	0	0	9	0	0									
	14	9824	23		03	12	15	83	0	02	0	0	0	9	0	0									
	17	9824	22		00	13	14	83	0	02	0	0	0	9	0	0									
	20	9835	18		501	14	17	83	2	02	0	1	5	6	0	4									
	23	9828	15		506	15	28	83	1	02	0	1	5	6	0	0				15	38	427		23	11
24	02	9843	10		509	15	30	83	0	02	0	0	0	9	0	0									
	05	9840	10		507	15	27	83	2	02	0	1	0	9	7	1									
	08	9850	12		504	14	20	83	1	02	0	1	0	9	0	8									
	11	9855	20		03	13	14	83	3	02	0	3	0	9	3	0									
	14	9863	23		05	12	14	83	1	02	0	1	0	9	3	0									
	17	9864	24		06	13	02	83	0	01	0	0	0	9	0	0									
	20	9883	22		07	00	00	83	0	02	0	0	0	9	0	0									
	23	9890	13		504	16	25	83	0	02	0	0	0	9	0	0				16	38	430		24	09
25	02	9892	11		506	16	25	83	0	02	0	0	0	9	0	0									
	05	9891	09		507	16	25	83	1	03	0	1	0	9	4	0									
	08	9899	10		506	16	27	83	2	02	1	1	5	6	4	0									
	11	9904	17		00	00	00	83	0	02	0	0	0	9	0	0									
	14	9904	20		01	00	00	83	0	02	0	0	0	9	0	0									
	17	9904	22		04	00	00	83	0	02	0	0	0	9	0	0									
	20	9900	18		02	12	08	83	1	03	0	1	0	9	7	0									
	23	9898	13		504	13	20	83	1	03	0	1	0	9	7	0				16	38	387		23	09
26	02	9887	15		503	13	20	82	7	03	2	7	0	9	7	0									
	05	9861	15		504	13	30	82	8	02	2	8	0	9	7										
	08	9850	15		504	13	35	82	7	36	3	1	5	6	7										
	11	9854	17		01	12	24	82	8	36	3	1	5	6	7										
	14	9857	21		04	13	21	83	4	01	1	1	8	6	7	1									
	17	9870	20		04	13	18	83	6	03	1	1	5	6	7	0									
	20	9895	18		01	13	10	83	7	02	2	1	5	6	7	0									
	23	9914	14		505	13	17	83	6	00	2	1	5	6	7	0				12	49	391		22	13
27	02	9917	15		503	13	11	83	7	00	2	1	5	6	7	0									
	05	9922	12		507	14	11	83	5	01	1	1	5	7	7	0									
	08	9928	10		507	14	16	83	7	03	2	1	5	7	7	8									
	11	9933	16		501	14	14	83	5	01	1	1	5	7	7	8									
	14	9935	21		03	12	02	83	3	01	1	3	0	9	3	0									
	17	9943	20		03	07	02	83	5	03	1	1	8	6	3	0									
	20	9943	18		05	11	05	83	6	03	2	5	8	6	3	0									
	23	9945	13		01	14	20	83	6	03	2	1	5	6	3	0				13	28	467		21	10

Results of Surface Observations, MAWSON – Feb., 1959

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	9940	11		502	15	21	83	7	03	2	1	5	6	3	0									
	05	9933	11		507	14	22	83	7	03	2	1	6	6	7										
	08	9925	11		507	14	32	82	7	03	2	1	6	7	3	5									
	11	9915	10		503	14	40	80	7	38	3	2	6	7	3	8									
	14	9898	16		02	14	30	82	7	38	3	3	6	7	0	8									
	17	9894	17		03	15	20	82	8	70	2	7	0	5	2										
	20	9885	16		01	15	25	83	8	03	2	8	6	6											
	23	9886	11		506	15	29	83	4	01	1	4	5	6	0	0				13	54	374		18	07

Results of Surface Observations,
MAWSON — Mar., 1959

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	07		507	17	27	83	2	02	1	2	5	6	0	0									
	05	9875	07		509	16	20	83	4	03	1	1	5	7	7	0									
	08	9871	10		507	14	14	83	1	01	0	1	5	7	0	0									
	11	9844	12		504	15	13	83	2	02	0	1	5	7	3	0									
	14	9842	18		501	17	04	83	5	03	2	1	5	7	3	8									
	17	9837	19		502	10	10	83	2	02	1	1	5	7	3	0									
	20	9843	15		505	14	12	83	3	02	1	1	5	7	3	0									
	23	9852	10		505	14	14	83	1	01	1	1	5	7	0	0				17	38	605		19	09
02	02	9861	11		513	15	18	83	6	03	1	1	5	7	3	0									
	05	9861	10		506	15	14	83	7	03	1	1	5	5											
	08	9881	11		503	14	18	83	7	02	2	7	5	5											
	11	9893	16		03	15	17	83	7	02	2	7	5	5											
	14	9890	21		09	14	17	80	8	03	2	8	5	5											
	17	9886	22		11	13	29	40	8	03	2	4	0	5	2										
	20	9851	23		11	13	30	80	7	15	2	1	5	5	7										
	23	9830	23		10	13	39	00		38	2									12	64	315		24	13
03	02	9761	19		15	13	48	00		38	3														
	05	9700	20		16	14	52	00		38	3														
	08	9705	20		18	14	45	04		38	3														
	11	9675	23		13	14	52	04	8	38	3	8	5	4											
	14	9659	25		13	14	60	04	7	38	3	7	8	5											
	17	9656	25		10	13	59	04	7	38	3	4	5	5	7										
	20	9667	25		13	13	59	04	6	38	3	4	5	5	7										
	23	9704	32		14	13	52	08	7	03	3	7	0	5	2					13	79	903		32	18
04	02	9721	32		14	14	48	08	8	03	2	8	0	4	2										
	05	9746	25		09	15	38	80	8	03	2	8	0	4	2										
	08	9755	26		09	15	30	80	8	15	2	8	0	4	2	2									
	11	9764	27		12	13	42	82	8	14	2	8	0	4	2										
	14	9785	28		12	13	30	82	8	15	2	8	5	5											
	17	9798	28		11	12	20	82	8	15	2	4	5	6	7										
	20	9804	27		10	13	22	82	6	02	2	5	5	6	7	0									
	23	9838	23		06	13	20	82	7	02	2	7	5	6						13	67	1209		29	15
05	02	9835	20		04	15	21	82	3	01	1	3	5	6	0	0									
	05	9846	17		00	15	09	82	1	05	0	1	0	9	5	0									
	08	9853	21		01	13	25	83	1	02	1	1	0	9	3	0									
	11	9870	22		05	12	25	83	2	02	1	1	5	6	3	0									
	14	9883	25		08	13	18	82	7	03	2	1	4	6	3	8									
	17	9902	25		08	13	11	82	8	03	2	8	8	5											
	20	9914	23			12	15	82	8	02	2	8	5	7											
	23	9931	20		03	15	18	82	8	02	2	8	5	6						12	38	586		25	12
06	02	9948	15		501	15	26	82	8	02	2	8	5	6											
	05	9957	13		504	14	24	82	8	02	2	8	8	5											
	08	9967	16		504	13	25	82	7	02	2	7	5	5											
	11	9976	16		502	13	26	82	5	01	1	5	0	8	3	0									
	14	9990	20		03	13	17	84	1	02	0	1	0	8	7	0									
	17	9998	21		05	13	14	84	2	00	0	2	5	5	0	8									
	20	10005	17		00	13	12	84	2	02	0	1	5	6	0	8									
	23	10006	15		502	16	18	84	3	02	1	1	5	6	0	8				12	39	429		21	11
07	02	10011	15		504	14	16	84	2	02	1	3	0	9	3	8									
	05	9994	12		505	14	18	84	5	02	1	2	0	9	3	8									
	08	9989	16		503	13	12	84	6	03	2	1	2	5	4	8									
	11	9975	17		00	15	09	84	7	03	2	1	0	9	3	6									
	14	9967	20		502	00	00	84	7	03	2	1	0	9	3	6									
	17	9955	19		03	04	01	84	7	03	2	1	5	7	3	6									
	20	9941	19		04	00	00	84	7	03	2	4	0	9	4	6									
	23	9936	13		503	15	21	84	3	01	1	2	0	9	4	8				12	28	432		21	10
08	02	9920	13		507	13	24	84	4	02	1	2	0	9	4	8									
	05	9925	11		507	13	31	84	6	03	1	1	0	9	3	8									
	08	9919	12		505	13	24	84	2	01	1	1	5	6	0	8									
	11	9918	15		00	13	15	84	8	03	2	8	8	5											
	14	9925	17		01	16	17	83	7	03	2	7	8	5	7										
	17	9933	17		00	13	17	84	7	01	2	1	5	6	7										
	20	9939	14		01	15	19	84	2	02	0	1	5	6	7	0									
	23	9944	09		503	15	22	84	0	02	0	0	0	9	0	0				12	39	334		17	04
09	02	9959	10		501	13	16	84	0	02	0	0	0	9	0	0									
	05	9970	04		511	15	25	84	4	03	1	4	0	9	7	0									
	08	9980	09		508	15	22	84	1	01	1	1	0	9	3	0									
	11	9996	14		505	13	19	84	1	02	0	1	0	9	1	0									
	14	10006	16		501	12	11	84	3	02	0	1	5	6	1	0									
	17	10008	15		503	12	10	84	7	03	2	1	5	6	1	0									
	20	10015	13		504	13	11	84	5	01	1	1	0	9	7	0									
	23	10003	07		508	13	11	84	5	02	2	5	0	9	7	0				15	35	451		17	07

Results of Surface Observations,
MAWSON – Mar., 1959

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	10014	09		506	13	17	84	5	02	2	5	0	9	7	0									
	05	10011	09		507	16	06	84	2	01	1	2	0	9	7	0									
	08	10019	09		509	11	12	84	7	03	1	6	0	9	7	1									
	11	10009	15		504	11	05	82	8	03	2	8	0	6	2										
	14	10003	16		504	11	05	82	8	02	2	8	0	6	2										
	17	9996	16		00	09	07	82	8	02	2	8	0	6	2										
	20	9996	15		00	06	11	82	8	02	2	8	0	6	2										
	23	9992	13		04	08	15	16	8	71	2	8	0	5	2					12	26	359		16	10
11	02	9985	14		07	07	10	08	8	73	7	8	0	5	2										
	05	9946	16		11	09	40	00		39	3														
	08	9933	16		13	10	43	00		39	3														
	11	9947	19		14	10	40	08	8	38	3	3	5	5	7										
	14	9956	20			10	36	16	8	38	3	3	5	7	7										
	17	9975	21		16	10	30	80	8	38	3	4	5	6	2										
	20	9997	21		15	10	25	80	8	03	3	8	0	9	2										
	23	9966	21		14	10	28	16		71	7									10	52	411		21	31
12	02	9956	19		14	10	35	00		39	7														
	05	9912	19		15	10	40	00		39	3														
	08	9895	19		14	10	38	00		39	3														
	11	9891	20		19	10	35	00		39	3														
	14	9877	21		20	10	33	00		39	3														
	17	9878	21		20	10	31	00	8	39	3	8	0	6	2										
	20	9885	20		19	10	29	00		85	7														
	23	9881	20		19	10	25	02		85	7									10	45	834		21	20
13	02	9879	21		17	11	23	40	8	36	3	8	0	6	2										
	05	9874	21		20	11	22	02	8	36	3	8	0	8	7										
	08	9842	20		19	11	35	08	8	36	3	4	6	5	7										
	11	9809	20		19	11	40	00	8	39	3	8	0	5	2										
	14	9763	22		21	11	41	02	8	39	3	8	0	5	2										
	17	9725	22		21	11	43	00		39	3														
	20	9696	22		21	12	45	00		39	3														
	23	9682	23		22	13	45	00		39	3									11	67	788		23	20
14	02	9685	25		24	13	44	00		39	3														
	05	9708	22		20	13	37	16	8	38	3	8	5	7											
	08	9713	24		08	12	16	82	8	02	2	8	5	7											
	11	9736	24		11	11	18	82	8	15	2	8	0	5	2										
	14	9754	25		11	11	25	82	7	01	2	4	5	6	7										
	17	9777	27		14	11	22	83	1	01	1	1	0	9	3	0									
	20	9806	23		11	11	23	83	7	03	1	4	5	6	3										
	23	9817	24		13	11	22	01	9	38	3	8	0	5	2					13	50	930		27	23
15	02	9806	26		14	11	31	01	8	38	3	8	0	5	2										
	05	9762	28		27	11	44	00		39	3														
	08	9665	27		27	12	60	00		39	3														
	11	9634	28		27	12	70	00		39	3														
	14	9661	29		28	12	50	00		39	3														
	17	9679	28		27	11	50	00		39	3														
	20	9713	27		26	12	42	00	8	36	3	8	0	5	2										
	23	9741	28		27	11	40	82	4	36	3	4	0	5	2					11	100	768		30	25
16	02	9766	30		26	11	30	82	8	01	3	8	0	5	2										
	05	9788	29		22	11	33	82	8	02	2	8	0	5	2										
	08	9814	29		17	11	26	82	8	02	2	8	0	5	2										
	11	9836	30		18	10	25	82	8	15	2	2	0	5	2										
	14	9861	31		20	10	23	83	8	02	2	1	5	6	2										
	17	9884	33		22	10	17	83	7	01	2	3	5	6	7										
	20	9919	30		18	08	10	83	7	02	2	7	0	7	7										
	23	9944	29		17	10	07	83	7	02	2	7	0	7	7					11	49	1144		33	28
17	02	9958	27		14	15	12	83	3	01	1	3	0	7	7										
	05	9971	26		12	13	24	84	1	02	0	1	0	7	7	0									
	08	9978	26		12	11	21	84	5	02	1	5	0	9	7	0									
	11	9993	29		16	09	15	84	7	03	2	7	0	9	7	0									
	14	9993	30		17	09	22	82	8	02	2	8	0	8	7										
	17	9993	29		17	09	22	82	8	03	1	1	8	5	2										
	20	9989	26		19	09	22	05	8	22	7	8	0	5	2										
	23	9951	24		21	10	33	00		39	3									10	44	448		30	23
18	02	9943	22		22	10	44	00		39	3														
	05	9920	22		21	10	40	00		39	3														
	08	9895	21		20	10	45	00		39	3														
	11	9875	21		21	10	50	00		39	3														
	14	9888	22		21	10	50	00		39	3														
	17	9904	21		21	10	44	00		39	3														
	20	9915	21		21	10	40	00		39	3														
	23	9934	22		21	10	31	00		38	3									11	70	756		23	21

Results of Surface Observations, MAWSON – Mar., 1959

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	9940	23		22	10	30	00		38	3														
	05	9956	22		11	11	17	82	8	02	2	8	0	5	7										
	08	9966	21		07	10	16	83	8	01	1	8	0	6	7	6									
	11	9958	23		10	09	10	83	8	02	2	1	4	6	0	7									
	14	9951	24		11	13	03	83	7	02	2	1	1	4	4	8									
	17	9949	25		12	00	00	83	7	02	2	1	1	4	1	8									
	20	9939	21		10	12	05	83	8	03	2	1	2	4	2	7									
	23	9940	20		09	10	17	83	8	02	2	8	0	8	2					12	42	982		25	18
20	02	9935	18		06	12	16	83	8	02	2	8	0	8	2										
	05	9927	15		03	12	24	83	8	02	2	8	0	8	1										
	08	9922	14		00	12	23	83	7	02	2	7	0	8	7										
	11	9922	15		01	10	20	83	8	02	2	3	0	9	7										
	14	9922	18		05	12	09	83	7	02	2	6	0	9	1	7									
	17	9907	19		06	00	00	83	7	02	2	6	4	7	1	5									
	20	9900	15		04	14	10	83	7	02	2	6	6	7	0	4				12	37	287		19	13
	23	9886	16		04	00	00	83	7	01	2	5	6	7	1										
21	02	9885	15		03	00	00	83	4	01	2	6	6	4	0	1									
	05	9873	11		501	13	11	83	2	02	1	2	5	7	3	0									
	08	9879	11		502	11	05	83	4	02	2	2	5	7	3	1									
	11	9865	16		02	00	00	83	2	02	0	1	0	9	3	8									
	14	9870	19		04	00	00	83	2	02	0	2	0	9	3	0									
	17	9870	20		08	00	00	83	0	01	0	0	0	9	0	0									
	20	9868	18		06	00	00	83	0	02	0	0	0	9	0	0				15	38	237		21	07
	23	9858	07		504	15	28	80	0	36	3	0	0	9	0	0									
22	02	9857	07		507	15	25	82	0	02	3	0	0	9	0	0									
	05	9870	08		506	15	25	80	2	36	3	1	0	9	7	8									
	08	9854	07		507	14	27	82	1	36	3	1	0	9	7	8									
	11	9832	11		500	12	33	83	0	36	3	1	0	9	7	0									
	14	9828	14		501	12	30	83	1	36	3	1	5	7	7	0									
	17	9816	14		501	12	31	83	1	36	3	1	5	7	7	0									
	20	9809	10		01	12	35	83	3	36	3	1	5	7	7	5									
	23	9799	11		02	13	28	82	1	36	3	1	5	7	0	0				13	45	331		15	06
23	02	9787	10		01	14	26	82	1	36	3	1	5	7	0	0									
	05	9781	10		02	14	26	83	0	36	3	0	0	9	7	0									
	08	9773	08		00	14	34	83	1	36	3	1	5	7	3	0									
	11	9773	14		07	12	34	83	1	38	3	1	0	9	7	0									
	14	9781	14		09	12	40	16	1	38	3	1	0	9	7	0									
	17	9791	14		07	12	38	80	1	38	3	0	0	9	7	4									
	20	9809	12		04	12	28	82	2	38	3	1	0	9	7	4									
	23	9829	11		04	12	28	82	1	36	3	0	0	9	0	4				12	56	699		15	08
24	02	9835	11		05	12	31	80	1	38	3	1	5	7	0	0									
	05	9852	09		03	12	30	82	0	36	3	1	0	9	3	0									
	08	9867	10		03	13	26	83	1	36	3	1	0	9	3	0									
	11	9867	13		07	12	25	83	0	02	0	1	0	9	0	0									
	14	9861	15		08	11	26	83	0	36	3	0	0	9	0	0									
	17	9858	15		08	11	26	83	0	36	3	0	1	9	0	0									
	20	9861	12		05	12	26	83	1	36	3	1	0	9	7	0									
	23	9853	11		05	13	30	82	1	36	3	1	0	9	7	0				12	48	768		15	09
25	02	9831	13		08	14	34	80	8	38	3	7	5	6	7										
	05	9793	16		11	11	30	80	7	38	3	7	5	7	6										
	08	9771	17		15	11	34	82	8	36	3	3	5	6	3										
	11	9754	18		17	11	38	82	8	36	3	2	5	6	7										
	14	9726	20		20	11	45	00		39	3														
	17	9710	20		20	12	52	00		39	3														
	20	9715	20		20	12	55	00		39	3									12	66	654		21	12
	23	9701	21		20	12	40	00		39	3														
26	02	9701	21		20	12	45	00		39	3														
	05	9696	21		20	12	45	00		39	3														
	08	9685	24		23	12	58	00	8	38	3	8	0	5	2										
	11	9679	23		23	12	54	00		39	3														
	14	9669	21		21	12	50	00		39	3														
	17	9687	23		22	12	52	00		39	3														
	20	9698	25		24	12	50	16	8	38	3	3	5	4	2										
	23	9706	24		23	12	47	16	8	38	3	8	5	4	2					13	68	1162		26	21
27	02	9722	25		24	12	44	16	8	36	3	8	5	4	2										
	05	9737	25		20	12	41	40	8	02	3	1	5	4	2	7									
	08	9743	28		20	12	39	82	8	16	2	8	0	3	2										
	11	9751	29		21	12	37	82	8	02	2	8	0	1	2	7									
	14	9760	30		21	12	30	82	8	02	2	8	0	2	2										
	17	9773	29		20	12	24	82	7	02	2	8	0	4	2										
	20	9788	27		20	11	16	82	7	02	2	8	0	4	2										
	23	9793	28		21	11	20	82	7	02	2	8	0	4	2					12	60	1164		30	23

Results of Surface Observations, MAWSON – Mar., 1959

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	9802	26		19	12	20	84	6	02	2	2	5	4	3	8									
	05	9810	26		18	12	21	84	8	03	2	6	6	5	3										
	08	9833	23		11	12	26	84	5	01	2	1	5	7	3	0									
	11	9839	24		11	12	30	84	1	01	0	1	0	9	4	0									
	14	9859	27		14	13	12	84	0	01	0	0	0	9	0	0									
	17	9870	24		12	13	21	84	0	01	0	0	0	9	0	0									
	20	9893	21		09	14	21	84	1	00	0	0	1	0	4	0									
	23	9916	19		07	13	22	84	0	00	0	0	0	9	0	0				13	42	576		27	18
29	02	9928	19		07	13	23	84	0	00	0	0	0	9	0	0									
	05	9949	20		09	12	24	84	0	02	0	0	0	9	0	0									
	08	9965	21		08	12	22	84	0	02	0	0	0	9	0	0									
	11	9978	23		10	12	26	84	3	03	1	3	0	9	0	5									
	14	9996	24		12	12	21	84	7	03	2	0	0	9	0	6									
	17	10007	23		11	12	20	84	5	01	1	1	0	9	3	8									
	20	10010	19		07	12	24	84	7	03	2	7	0	9	7										
	23	10020	21		08	12	19	84	6	02	2	6	0	9	7	0				13	41	525		25	19
30	02	10023	21		09	12	08	84	8	02	2	8	0	9	7										
	05	10005	21		08	09	07	84	7	02	2	7	0	9	7										
	08	9998	19		08	11	10	84	8	02	2	3	0	9	7	6									
	11	9993	21		11	09	00	84	7	02	2	7	0	9	7										
	14	9977	23		10	00	00	84	8	02	2	8	0	9	7										
	17	9965	21		09	11	13	84	8	02	2	8	0	9	7										
	20	9948	21		08	11	25	84	7	02	2	1	6	5	7										
	23	9944	19		08	10	25	84	8	02	2	8	0	8	7					11	38	424		24	18
31	02	9921	19		09	10	17	84	8	02	2	8	0	8	7										
	05	9890	20		08	09	22	84	8	02	2	8	0	7	7										
	08	9862	21		08	10	35	82	8	02	2	8	0	8	2										
	11	9831	21		10	10	40	82	8	02	2	8	0	7	2										
	14	9802	22		11	10	45	82	8	03	2	1	7	5	2										
	17	9794	22		11	11	42	82	8	02	2	8	0	5	2										
	20	9790	22		11	11	48	82	8	02	2	8	0	5	2										
	23	9784	24		11	10	52	83	8	02	2	8	0	6	2					10	64	405		24	19

Results of Surface Observations,
MAWSON — Apr., 1959

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	9788	24		09	10	45	84	8	03	2	8	0	7	7										
	05	9802	23		08	10	40	84	8	03	2	8	0	8	7										
	08	9809	23		07	10	38	84	8	02	2	6	0	9	3	7									
	11	9830	23		09	07	14	84	7	02	2	1	5	7	3	2									
	14	9841	20		12	05	12	83	6	02	2	6	0	9	0	2									
	17	9842	20		17	06	07	83	6	02	2	6	0	9	3	2									
	20	9841	15		11	12	05	84	6	02	2	1	4	6	3	2									
	23	9829	18		15	24	06	84	1	02	1	1	0	9	3	0				10	58	1020		25	15
02	02	9808	16		13	00	00	84	0	02	0	0	0	9	0	0									
	05	9795	20		12	36	19	84	0	02	0	0	0	9	0	0									
	08	9783	21		12	00	00	84	1	03	1	1	1	4	7	8									
	11	9758	28		05	00	00	84	0	02	0	1	0	9	7	0									
	14	9751	23		07	00	00	84	0	02	0	1	0	9	1	0									
	17	9764	16		07	00	00	84	0	02	0	1	1	4	0	8									
	20	9793	13		03	00	00	82	0	02	0	1	1	4	0	8									
	23	9830	09		00	13	20	82	0	02	0	1	2	4	0	0				18	69	272		31	08
03	02	9822	08		08	13	30	00	0	38	0														
	05	9842	04		04	13	40	00		38	3														
	08	9846	04		04	13	40	00		38	3														
	11	9861	04		04	13	42	00		38	3														
	14																								
	17		10		500	15	16	84	2	02	0	0	0	9	0	8									
	20	9951	08		503	13	22	84	6	03	2	6	0	9	0	8									
	23	9980	05		507	13	23	84	2	02	0	2	0	9	0	8				13	64	649		15	03
04	02	9995	03		508	14	31	84	2	02	1	2	0	9	0	8									
	05	10015	02		508	14	30	84	1	02	1	1	0	9	0	8									
	08	10026	04		509	13	20	84	1	02	1	1	0	9	0	8									
	11	10051	10		504	14	16	84	0	01	0	0	0	9	0	0									
	14	10063	14		501	14	16	84	1	03	0	1	0	9	0	8									
	17	10074	15		500	13	17	84	1	03	0	1	0	9	0	8									
	20	10077	15		501	11	25	84	3	03	1	0	0	9	0	5									
	23	10088	13		502	11	25	84	3	03	1	3	0	9	1	0				10	37	594		18	02
05	02	10093	15		01	11	22	84	8	03	2	8	0	9	2										
	05	10083	16		02	12	19	84	8	03	2	8	0	8	2										
	08	10079	17		03	11	20	84	8	02	2	8	0	8	2										
	11	10079	17		05	10	22	84	8	02	2	8	0	7	7										
	14	10076	19		05	10	21	80	8	03	2	8	0	6	2										
	17	10076	18		01	09	17	80	8	03	2	8	0	6	2										
	20	10073	18		01	10	18	40	8	70	2	8	0	6	2										
	23	10065	18		01	10	20	82	8	02	7	8	0	6	2					11	31	505		19	13
06	02	10052	19		01	10	14	80	8	02	2	8	0	6	2										
	05	10039	20		01	10	20	80	8	01	2	8	0	6	1										
	08	10022	20		00	10	25	82	7	01	2	7	0	7	7										
	11	10008	21		00	10	27	81	7	02	2	7	0	7	7										
	14	9994	22		01	10	26	82	7	02	2	7	0	7	7										
	17	9984	21		01	10	23	82	7	02	2	7	0	7	7										
	20	9981	19		00	10	27	82	7	01	2	7	0	8	7										
	23	9985	19		501	10	24	84	3	01	1	3	0	8	7	0				09	39	519		23	18
07	02	9988	17		502	10	23	84	2	01	1	2	0	8	7	0									
	05	9992	14		505	10	25	84	1	02	0	1	0	9	7	0									
	08	9997	14		505	10	28	84	7	03	2	1	4	7	7	0									
	11	10004	15		502	11	31	84	7	03	2	6	5	6	7										
	14	10008	15		502	11	29	84	6	01	1	2	5	6	7	1									
	17	10016	12		504	11	29	84	4	01	1	1	5	6	7	8									
	20	10026	12		505	12	25	84	4	02	1	1	5	6	7	8									
	23	10025	10		507	12	17	84	1	02	0	0	0	9	0	8				11	44	640		18	08
08	02	10024	05		510	14	23	84	3	03	1	1	0	8	7	8									
	05	10016	04		511	13	17	84	4	02	1	1	4	6	7	8									
	08	10008	03		511	14	18	82	2	01	1	1	4	6	7	0									
	11	9998	02		512	14	31	84	1	02	0	1	4	6	7	0									
	14	9978	08		506	13	15	84	1	02	0	1	4	6	7	0									
	17	9957	05		508	11	21	84	1	02	0	1	5	7	7	0									
	20	9942	02		512	13	28	84	0	01	0	0	0	9	0	0									
	23	9929	00		515	14	30	84	1	02	0	1	0	9	7	0				13	49	586		08	501
09	02	9923	502		514	14	35	84	0	02	0	0	0	9	0	0									
	05	9930	502		514	14	35	84	0	02	0	0	0	9	0	0									
	08	9912	503		514	14	37	84	1	03	0	1	1	5	0	0									
	11	9915	00		512	14	27	84	1	02	0	1	1	5	0	0									
	14	9923	04		509	14	20	84	1	02	0	1	1	5	0	0									
	17	9938	01		510	14	22	84	1	02	0	1	0	8	7	0									
	20	9958	501		512	14	22	84	1	02	0	1	0	9	1	0									
	23	9978	501		512	13	16	84	1	02	0	1	0	9	7	0				13	54	650		04	503

Results of Surface Observations,
MAWSON – Apr., 1959

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	9979	01		511	11	31	84	1	02	2		1	0	9	7	0										
	05	9986	01		512	11	31	84	1	02	2		1	0	9	7	0										
	08	10006	00		513	11	31	82	1	01	2		1	4	6	7	0										
	11	10017	05		507	11	14	84	2	03	2		1	5	7	0	0										
	14	10027	07		504	09	20	84	4	03	2		1	1	6	0	5										
	17	10036	06		505	09	23	84	7	03	2		1	0	9	0	5										
	20	10047	05		506	08	17	84	7	02	2		0	0	9	0	6										
	23	10041	04		506	11	24	84	7	02	2		0	0	9	0	8					11	42	581		08	502
11	02	10039	06		505	09	17	84	7	02	2		7*	0	9	1											
	05	10045	06		504	09	21	84	7	03	2		7	0	9	7											
	08	10042	08		502	08	11	84	6	01	1		3	0	9	7	8										
	11	10040	10		01	08	06	82	7	03	2		0	0	9	0	6										
	14	10035	15		04	10	17	82	7	02	2		0	0	9	0	8										
	17	10036	13		02	11	24	84	6	02	2		1	0	9	7	8										
	20	10029	11		501	10	31	84	7	02	2		0	0	9	0	8										
	23	10029	13		01	10	28	84	8	03	2		0	0	9	0	7					10	45	499		15	03
12	02	10022	13		02	10	26	84	8	02	2		0	0	9	0	7										
	05	9988	13		01	11	29	84	8	02	2		0	0	9	0	7										
	08	9962	13		03	10	35	84	8	02	2		0	0	9	0	7										
	11	9974	15		04	10	28	84	8	02	2		0	0	9	0	8										
	14	9963	18		06	11	23	84	7	02	2		0	0	9	0	8										
	17	9947	17		03	11	28	84	7	03	2		1	0	9	7	8										
	20	9929	18		03	11	24	84	4	01	1		1	0	9	7	8										
	23	9903	17		01	11	26	84	3	02	1		1	0	9	7	8					10	45	584		18	12
13	02	9905	17		01	11	26	84	4	02	1		1	0	9	7	8										
	05	9895	16		03	11	26	84	6	03	2		3	0	9	7	8										
	08	9890	19		05	10	28	82	8	03	2		8	0	9	7											
	11	9879	21		10	11	28	82	8	03	2		8	0	8	7											
	14	9879	22		12	12	15	82	7	01	2		7	0	6	2											
	17	9891	21		11	10	25	80	8	16	2		8	0	5	2											
	20	9904	20		08	14	19	40	8	16	2		8	0	5	2											
	23	9914	17		07	13	25	80	4	01	1		4	0	7	1	0					10	48	644		22	15
14	02	9922	13		02	14	28	82	2	01	1		2	0	8	1	0										
	05	9932	13		00	14	30	82	1	02	2		1	0	8	1	0										
	08	9929	11		501	13	38	82	1	03	2		1	5	7	0	0										
	11	9934	13		00	13	39	82	0	01	2		0	0	9	0	0										
	14	9940	17		02	16	28	82	1	02	2		1	0	9	7	0										
	17	9949	18		02	18	10	82	1	02	2		1	0	7	7	0										
	20	9966	13		03	20	06	82	1	02	2		1	0	8	7	0										
	23	9971	09		00	15	11	82	1	02	2		1	0	8	7	0					13	66	585		19	09
15	02	9968	10		502	15	11	82	1	02	2		1	0	8	7	0										
	05	9964	13		01	22	15	82	3	03	1		3	0	8	7	0										
	08	9964	12		501	00	00	82	6	03	1		1	0	8	7	1										
	11	9954	13		01	00	00	84	5	02	1		1	0	9	7	8										
	14	9949	14		01	00	00	84	1	01	2		0	0	9	7	8										
	17	9947	12		00	00	00	84	1	01	2		1	0	9	7	0										
	20	9951	09		01	00	00	84	0	02	2		0	0	9	7	0										
	23	9958	11		503	15	11	82	0	02	0		0	0	9	0	0					18	23	411		16	08
16	02	9952	11		506	14	17	82	1	02	2		1	0	9	7	0										
	05	9934	09		506	15	17	82	5	03	1		5	0	9	7	0										
	08	9909	09		505	12	22	83	8	03	2		8	0	9	7	0										
	11	9890	09		501	09	21	82	8	03	2		8	0	9	7											
	14	9876	08		507	08	17	82	8	02	2		8	0	8	7											
	17	9861	06		507	05	15	83	7	01	2		7	0	9	7											
	20	9847	07		508	10	19	83	1	01	2		1	0	9	7	0										
	23	9847	05		506	13	21	83	8	03	1		8	0	9	0	7					13	40	239		12	03
17	02	9849	02		510	13	24	83	0	01	1		0	0	9	0	0										
	05	9845	00		511	13	27	83	1	02	0		0	0	9	0	8										
	08	9852	502		514	14	32	82	0	02	0		0	0	9	0	0										
	11	9854	501		512	13	28	83	0	02	0		0	0	9	0	0										
	14	9855	01		510	13	22	83	0	02	0		0	0	9	0	0										
	17	9850	501		512	13	22	83	0	02	0		0	0	9	0	0										
	20	9848	503		513	13	25	83	0	02	0		0	0	9	0	0										
	23	9846	507		520	13	31	83	0	02	0		0	0	9	0	0					13	51	519		04	507
18	02	9858	507		520	13	32	83	0	02	0		0	0	9	0	0										
	05	9860	507		520	13	31	83	0	02	0		0	0	9	0	0										
	08	9858	507		520	13	28	83	1	03	0		1	5	6	0	0										
	11	9858	506		523	12	19	84	1	03	0		1	5	6	0	0										
	14	9853	502		520	10	22	84	1	03	0		1	5	6	0	0										
	17	9854	503		521	11	16	84	1	02	0		1	5	6	0	0										
	20	9855	504		521	11	15	84	1	02	0		1	5	6	0	0										
	23	9854	507		523	12	25	84	1	02	0		1	5	6	0	0					12	46	621		501	509

Results of Surface Observations,
MAWSON – Apr., 1959

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
		millibars x 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	9853	510		528	13	30	84	1	02	0	1	5	6	0	0									
	05	9844	509		526	13	25	84	1	02	0	1	5	6	0	0									
	08	9828	507		524	14	26	84	5	03	0	1	5	6	0	6									
	11	9826	503		521	13	22	84	6	03	1	6	0	6	7	8									
	14	9818	502		520	13	26	84	3	03	1	1	0	9	3	8									
	17	9814	502		520	12	34	84	3	02	1	2	5	7	4	0									
	20	9820	503		521	13	31	82	2	01	1	1	5	7	4	0									
	23	9826	501		521	13	31	82	1	02	0	1	0	9	7	0				12	48	534		00	510
20	02	9825	01		519	12	24	82	0	02	0	0	0	9	0	0									
	05	9822	03		519	12	22	82	1	02	0	1	0	9	7	0									
	08	9820	04		517	21	03	82	1	03	0	1	1	6	4	0									
	11	9816	05		513	11	17	83	6	03	1	5	0	7	4	1									
	14	9811	07		512	12	14	83	6	02	2	5	0	7	4	1									
	17	9819	07		512	27	05	84	7	01	1	1	0	7	4	1									
	20	9824	01		516	12	14	84	0	01	0	0	0	9	0	0									
	23	9826	01		517	14	18	84	0	02	0	0	0	9	0	0				12	45	582		07	501
21	02	9828	501		519	00	00	84	0	02	0	0	0	9	0	0									
	05	9827	503		522	13	18	84	0	02	0	0	0	9	0	0									
	08	9824	502		521	12	14	84	0	02	0	0	0	9	0	0									
	11	9831	503		518	11	14	84	0	02	0	0	0	9	0	0									
	14	9841	02		518	12	23	84	0	02	0	0	0	9	0	0									
	17	9857	04		517	11	20	84	0	02	0	0	0	9	0	0									
	20	9871	01		518	11	26	84	0	02	0	0	0	9	0	0									
	23	9890	03		517	10	25	84	0	02	0	0	0	9	0	0				10	39	344		05	503
22	02	9910	04		514	09	22	84	1	03	0	1	0	9	4	0									
	05	9919	03		515	13	22	84	1	02	0	1	0	9	4	0									
	08	9922	05		514	11	23	82	0	02	0	0	0	9	0	0									
	11	9921	09		511	10	19	83	1	03	0	1	0	9	7	0									
	14	9918	08		511	13	21	84	2	03	1	1	0	9	4	5									
	17	9910	06		513	13	25	84	1	01	1	1	0	8	7	0									
	20	9898	04		516	13	31	84	0	01	0	0	0	9	0	0									
	23	9894	07		513	16	22	84	0	02	0	0	0	9	0	0				13	43	487		11	01
23	02	9888	05		514	15	09	84	0	02	0	0	0	9	0	0									
	05	9875	03		514	12	13	84	0	02	0	0	0	9	0	0									
	08	9864	05		514	13	10	84	0	02	0	0	0	9	0	0									
	11	9859	04		515	12	07	84	1	03	0	0	0	9	0	5									
	14	9853	06		515	11	11	84	7	03	1	0	0	9	0	6									
	17	9855	03		518	11	10	84	1	01	0	0	0	9	0	8									
	20	9859	502		521	11	24	84	1	02	0	0	0	9	0	8									
	23	9866	501		520	13	17	84	1	02	0	0	0	9	0	8				11	34	408		08	503
24	02	9873	504		23	14	21	84	1	02	0	0	0	9	0	8									
	05	9883	505		523	00	00	84	1	02	0	0	0	9	0	8									
	08	9895	505		524	13	26	84	1	03	0	1	4	7	0	1									
	11	9913	504		525	13	31	84	1	02	0	1	5	7	0	1									
	14	9948	501		522	14	20	84	1	03	0	0	0	9	0	2									
	17	9960	501		523	14	21	84	4	03	1	1	0	8	7	2									
	20	9980	503		523	16	05	84	1	01	0	1	0	8	7	0									
	23	10002	503		524	00	00	84	0	01	0	0	0	9	0	0				14	44	323		01	505
25	02	10017	501		524	13	37	84	0	02	0	0	0	9	0	0									
	05	10039	03		521	12	37	84	0	02	0	0	0	9	0	0									
	08	10069	03		520	10	12	84	5	03	1	5	0	9	3	0									
	11	10092	04		514	24	09	84	5	03	1	5	0	8	7	0									
	14	10117	09		514	00	00	84	1	01	0	1	0	8	7	0									
	17	10128	08		513	00	00	84	1	02	0	1	0	8	7	0									
	20	10143	07		515	00	00	84	5	03	1	2	0	8	4	1									
	23	10158	07		511	00	00	84	4	02	1	1	0	8	7	8				15	51	429		11	502
26	02	10160	11		512	14	07	84	5	02	1	1	0	8	7	8									
	05	10170	09		513	00	00	84	6	02	2	1	0	8	7	8									
	08	10175	13		509	00	00	84	7	02	2	2	0	8	7	8									
	11	10176	13		509	00	00	84	7	02	2	1	0	8	7	8									
	14	10171	15		508	15	07	84	7	03	2	7	0	8	7	7									
	17	10185	13		503	00	00	83	7	02	2	7	0	7	7	7									
	20	10190	11		502	19	06	83	7	02	2	5	0	7	7	8									
	23	10193	10		501	00	00	83	7	02	2	7	0	7	7					14	19	132		16	06
27	02	10189	09		00	00	00	83	5	01	2	5	0	7	7	0									
	05	10176	09		504	00	00	83	7	03	2	7	0	7	7										
	08	10157	07		503	00	00	83	7	02	2	7	0	7	7										
	11	10134	07		503	18	04	83	7	02	2	1	5	6	7	2									
	14	10099	09		502	15	04	82	8	03	2	1	5	6	7										
	17	10086	09		501	14	01	82	8	02	2	8	0	6	7										
	20	10053	09		501	19	05	82	8	01	2	8	0	6	7										
	23	10032	11		02	19	07	82	8	02	2	8	0	7	1					13	21	107		16	07

Results of Surface Observations, MAWSON – Apr., 1959

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	10005	11		02	00	00	82	8	02	2	8	0	7	1										
	05	9984	13		502	00	00	82	8	02	2	8	0	7	1										
	08	9961	15		503	00	00	82	8	02	2	8	0	7	2										
	11	9946	16		504	09	05	82	7	01	2	7	0	7	7										
	14	9925	18		503	00	00	84	4	01	1	1	5	7	7										
	17	9906	13		506	12	17	83	5	03	1	2	0	9	9	2									
	20	9889	12		507	12	15	83	4	02	1	2	0	7	7	2									
	23	9866	12		509	11	04	83	0	01	0	0	0	9	0	0				12	24	102		18	11
29	02	9859	12		509	00	00	83	0	02	0	0	0	9	0	0									
	05	9848	13		507	00	00	83	0	02	0	0	0	9	0	0									
	08	9846	13		505	00	00	83	8	03	2	8	0	7	7										
	11	9847	13		505	12	07	84	7	01	1	6	0	7	7	8									
	14	9859	13		505	00	00	84	7	02	2	7	0	7	7										
	17	9868	12		505	00	00	84	7	02	2	7	0	7	7										
	20	9877	10		504	09	01	84	7	02	2	7	0	7	7										
	23	9881	09		504	00	00	84	7	02	2	7	0	7	7					12	24	134		14	08
30	02	9873	07		502	00	00	84	4	02	1	4	0	8	7	0									
	05	9871	06		504	04	04	84	3	01	1	3	0	8	7	0									
	08	9847	05		515	12	18	84	1	01	0	1	0	8	4	0									
	11	9848	08		516	02	01	84	1	01	0	1	0	8	4	0									
	14	9846	09		516	00	00	84	1	02	0	1	0	9	7	0									
	17	9841	04		516	13	04	84	2	03	1	1	0	9	7	0									
	20	9834	02		518	13	08	84	2	02	0	2	0	9	7	0									
	23	9839	01		518	14	02	84	2	02	0	2	0	9	7	0				11	32	086		10	00

Results of Surface Observations,
MAWSON – May, 1959

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	9846	501		519	14	03	84	0	01	0	0	0	9	0	0									
	05	9851	503		519	15	01	84	0	02	0	0	0	9	0	0									
	08	9870	505		522	12	08	84	0	02	0	0	0	9	0	0									
	11	9889	503		519	10	02	84	0	02	0	0	0	9	0	0									
	14	9904	01		517	11	01	84	0	02	0	0	0	9	0	0									
	17	9913	504		521	13	03	84	0	02	0	0	0	9	0	0									
	20	9925	505		522	14	07	84	0	02	0	0	0	9	0	0									
	23	9936	501		521	12	26	84	0	02	0	0	0	9	0	0				12	49	182		01	507
02	02	9938	02		519	13	29	84	0	02	0	0	0	9	0	0									
	05	9949	01		521	14	40	84	7	03	1	7	0	8	7										
	08	9961	02		519	14	40	84	7	03	2	7	0	7	7										
	11	9969	05		517	14	46	84	7	01	2	7	0	7	3										
	14	9986	06		516	14	40	84	2	01	1	1	5	7	3	0									
	17	10002	06		517	15	45	84	1	01	0	1	5	7	0	0									
	20	10023	07		517	14	42	84	0	02	0	0	0	9	0	0									
	23	10030	10		516	14	44	84	0	02	0	0	0	9	0	0				14	66	395		11	501
03	02	10029	12		515	14	31	84	0	02	0	0	0	9	0	0									
	05	10050	11		514	22	12	84	0	02	0	0	0	9	0	0									
	08	10035	13		514	00	00	84	1	03	0	0	0	9	0	5									
	11	10026	12		511	00	00	84	6	03	1	3	0	9	5	6									
	14	10005	12		507	00	00	84	4	01	1	1	0	9	4	8									
	17	10001	13		508	00	00	84	1	01	1	1	0	9	7	0									
	20	10000	19		506	09	12	84	1	02	0	1	0	9	7	0									
	23	10008	17		507	21	09	84	0	01	0	0	0	9	0	0				14	60	798		23	10
04	02	10010	18		507	00	00	84	0	02	0	0	0	9	0	0									
	05	10001	18		507	00	00	84	1	03	0	1	0	9	7	0									
	08	10001	18		503	00	00	84	1	02	0	1	0	9	7	0									
	11	9995	17		503	12	07	84	2	03	1	1	0	9	7	8									
	14	9985	18		00	00	00	84	8	03	2	1	0	9	7	7									
	17	9974	10		501	00	00	84	8	02	2	1	0	9	7	7									
	20	9946	10		502	00	00	84	8	02	2	0	0	9	0	7									
	23	9914	10		501	17	04	84	6	01	2	0	0	9	0	8				15	20	144		20	09
05	02	9857	08		504	21	02	84	3	01	1	2	0	9	3	8									
	05	9797	07		504	19	04	84	1	02	0	0	0	9	0	8									
	08	9755	20		511	15	16	84	1	02	0	1	0	9	4	0									
	11	9741	22		512	17	26	84	3	03	1	1	0	9	4	6									
	14	9758	14		512	17	22	84	6	03	1	1	0	9	7	6									
	17	9775	13		510	00	00	84	3	02	1	3	0	9	7	0									
	20	9785	10		508	13	05	84	1	01	1	1	0	9	3	0									
	23	9792	08		512	15	15	84	1	01	1	1	0	9	2	0				17	59	124		25	06
06	02	9799	06		513	13	16	84	2	01	1	2	0	9	3	0									
	05	9800	07		512	12	20	84	0	02	0	0	0	9	0	8									
	08	9806	07		512	11	26	84	5	03	2	1	0	9	7										
	11	9804	09		512	10	34	84	8	03	2	8	0	9	2										
	14	9817	10		511	09	24	84	8	03	2	8	0	8	2										
	17	9820	10		506	05	16	40	8	70	2	8	0	4	2										
	20	9799	09		504	09	36	00		38	3														
	23	9773	09		503	10	50	00		38	3									11	55	387		10	06
07	02	9776	10		02	11	35	00		38	3														
	05	9764	10		02	11	40	00		38	3														
	08	9769	11		01	11	42	00		38	3														
	11	9764	12		04	11	48	00		38	3														
	14	9774	12		04	11	45	00		38	3														
	17	9776	12		04	11	50	00		38	3														
	20	9776	13		03	11	50	00		38	3														
	23	9782	14		03	12	50	00		38	3									11	58	813		14	09
08	02	9787	14		02	12	42	00		38	3														
	05	9798	15		02	12	45	40	8	36	3	8	0	5	2										
	08	9814	17		02	12	40	82	8	02	3	8	0	5	2										
	11	9826	16		501	12	40	82	8	02	2	8	0	6	2										
	14	9830	16		502	12	40	82	8	03	2	8	0	7	7										
	17	9845	16		504	12	23	82	7	01	2	7	0	7	7										
	20	9859	10		509	14	25	82	0	01	0	0	0	9	0	0									
	23	9862	07		512	14	16	84	0	02	0	0	0	9	0	0				11	61	1155		17	07
09	02	9862	06		513	14	04	84	0	02	0	0	0	9	0	0									
	05	9851	04		514	14	19	84	0	02	0	0	0	9	0	0									
	08	9847	03		515	14	09	84	0	02	0	0	0	9	0	0									
	11	9846	03		514	14	08	84	1	02	0	1	5	7	0	0									
	14	9839	03		516	13	10	84	1	02	0	1	0	8	4	0									
	17	9838	00		517	13	16	84	1	02	0	1	0	9	4	0									
	20	9838	01		517	12	19	84	0	01	0	0	0	9	0	0									
	23	9836	501		519	12	23	84	0	01	0	0	0	9	0	0				12	34	561		07	501

Results of Surface Observations,
MAWSON – May, 1959

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	9836	501		519	12	25	84	0	01	00	0	0	9	0	0									
	05	9836	501		520	12	23	84	0	03	00	0	0	9	0	0									
	08	9837	01		521	13	25	84	1	02	00	1	5	7	0	0									
	11	9839	502		522	12	36	84	1	02	00	1	5	7	0	0									
	14	9853	00		522	12	35	84	2	02	1	2	5	7	0	0									
	17	9862	502		523	12	35	84	3	03	1	3	5	7	0	0									
	20	9878	503		525	12	31	84	1	02	0	1	5	7	0	0									
	23	9898	502		526	12	26	84	0	03	1	0	0	9	0	0				11	45	389		02	503
11	02	9907	502		525	13	16	84	2	02	00	2	5	7	0	0									
	05	9918	509		527	14	20	84	0	02	00	0	0	9	0	0									
	08	9924	512		530	15	22	84	1	02	00	1	5	7	0	0									
	11	9930	513		531	14	22	84	1	02	00	1	5	7	0	0									
	14	9927	511		527	14	11	84	1	03	00	1	5	7	0	5									
	17	9918	510		529	12	18	84	1	01	00	1	5	7	0	0									
	20	9915	512		529	13	12	84	1	02	00	1	5	9	0	0									
	23	9900	511		530	13	23	84	1	03	00	1	0	9	7	0				13	38	654		502	513
12	02	9864	511		530	13	26	84	2	03	1	2	0	9	7	0									
	05	9848	505		528	13	26	84	7	03	1	7	0	9	7										
	08	9805	503		523	13	38	84	8	03	1	8	0	8	7										
	11	9781	01		521	13	37	82	8	02	2	8	0	5	2										
	14	9792	03		517	12	25	24	8	02	2	8	0	5	2										
	17	9791	01		512	11	26	08	8	77	7	8	6	4											
	20	9786	03		509	11	25	08	8	77	7	8	0	5	2										
	23	9781	03		506	12	33	04		38	3									11	64	478		04	512
13	02	9759	03		503	12	31	00		39	3														
	05	9724	04		502	12	32	00		39	3														
	08	9685	05		502	11	52	00		39	3														
	11	9647	07		502	12	50	04		38	3														
	14	9630	07		01	14	40	00		39	3														
	17	9642	07		01	13	36	00		39	3														
	20	9646	08		00	14	25	00		38	3														
	23	9641	10		02	14	23	08	8	36	3	8	0	5	2					12	62	788		10	03
14	02	9653	10		02	16	17	80	8	02	3	8	0	5	2										
	05	9661	09		01	15	08	80	8	02	2	8	0	6	2										
	08	9674	11		02	00	00	83	6	01	1	6	0	6	1	0									
	11	9695	05		503	14	09	83	1	01	1	1	0	8	4	0	8								
	14	9709	05		503	14	16	83	1	03	0	0	0	9	0	0	8								
	17	9720	01		507	14	18	83	1	02	0	0	0	9	0	0	8								
	20	9731	06		506	14	17	83	2	02	1	0	0	9	0	0	8								
	23	9742	04		506	13	21	83	3	03	1	0	0	9	0	8				12	34	690		11	00
15	02	9746	03		508	13	25	83	2	36	1	0	0	9	0	8									
	05	9755	03		505	13	26	83	1	36	3	0	0	9	0	8									
	08	9768	04		505	13	28	83	1	36	3	1	0	8	7	0									
	11	9795	500		512	14	30	80	3	37	3	2	5	5	0	1									
	14	9811	502		513	14	26	80	2	36	3	1	5	5	0	2									
	17	9829	504		514	14	31	80	2	36	3	1	0	8	7	8									
	20	9847	505		515	15	26	80	0	36	3	0	0	9	0	0									
	23	9846	504			15	32	82	0	01	3	0	0	9	0	0				13	48	471		04	506
16	02	9846	504			00	00	83	0	02	0	0	0	9	0	0									
	05	9845	505			14	10	84	0	02	0	0	0	9	0	0									
	08	9832	502			15	28	80	2	36	1	2	0	9	7	0									
	11	9802	505		513	13	30	04	5	38	3	2	0	7	7	5									
	14	9780	505		508	13	23	80	6	36	3	2	0	7	7	6									
	17	9768	506		511	13	25	81	4	36	3	1	0	7	7	8									
	20	9758	03		512	12	40	84	5	36	3	5	0	9	3	0									
	23	9770	07		512	13	21	84	1	01	3	1	0	9	7	0				12	59	495		08	506
17	02	9782	00		511	14	31	81	0	36	3	0	0	9	0	0									
	05	9801	504		513	14	36	04	0	36	3	0	0	9	0	0									
	08	9812	503		515	14	31	81	1	03	3	1	0	8	7	1									
	11	9824	500		513	12	30	81	4	36	3	1	0	8	4	6	1								
	14	9830	504		517	13	25	81	5	05	3	1	0	9	4	7	1								
	17	9838	504		517	14	20	81	6	05	1	1	0	8	7	4	8								
	20	9843	507		519	15	16	82	3	01	1	1	0	8	4	8									
	23	9841	509		521	14	22	82	1	02	0	1	0	8	7	0				14	49	678		04	509
18	02	9849	510		522	14	22	82	0	02	00	0	0	9	0	0									
	05	9849	508		521	13	15	82	1	02	00	1	0	9	7	0									
	08	9857	509		522	22	03	84	0	02	00	0	0	9	0	0									
	11	9868	507		522	12	13	83	1	02	00	1	0	9	7	0									
	14	9883	506		521	00	00	83	1	03	00	1	5	7	7	0									
	17	9895	509		523	14	09	82	1	02	00	1	0	9	7	1									
	20	9913	505		520	13	14	82	1	02	00	1	0	9	4	1									
	23	9930	505		521	11	30	81	1	03	1	1	0	9	3	0				11	38	446		503	510

Results of Surface Observations,
MAWSON – May, 1959

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	504		518	12	38	80	2	03	1	2	0	9	7	0									
	05	9966	502		513	13	40	40	3	36	3	3	0	9	7	0									
	08	9975	00		515	12	30	80	4	03	3	1	5	5	7	0									
	11	9983	02		513	11	33	40	5	36	3	3	5	5	4	8									
	14	9985	02		511	11	30	40	7	36	3	3	5	5	2	2									
	17	9985	08		506	11	30	80	8	36	3	8	0	5	2	7									
	20	9979	09		506	12	34	80	8	02	3	8	0	6	7										
	23	9978	12		503	11	28	82	7	01	2	7	0	7	7					10	53	446		12	506
20	02	9968	10		503	12	38	82	3	01	1	3	0	7	7										
	05	9965	12		502	12	26	82	8	02	2	8	0	8	1										
	08	9957	14		500	11	22	82	8	02	2	8	0	8	2										
	11	9948	11		504	14	25	82	6	01	7	3	0	8	7	1									
	14	9923	07		505	15	32	40	6	36	3	1	0	8	4	2									
	17	9907	05		507	15	41	02	2	38	3	1	0	8	4	2									
	20	9901	03		508	14	41	04	2	38	3	0	0	9	0	2									
	23	9893	02		510	14	36	08	0	38	3	0	0	9	0	0				14	66	773		14	02
21	02	9900	01		513	14	36	16	0	38	3	0	0	9	0	0									
	05	9896	02		510	14	32	08	0	38	3	0	0	9	0	0									
	08	9895	11		506	11	26	80	7	03	3	7	0	9	7										
	11	9897	14		502	12	30	80	8	14	3	8	0	7	7										
	14	9895	17		03	11	32	80	8	36	3	8	0	5	2										
	17	9885	19		03	11	49	80	8	16	3	8	0	5	2										
	20	9910	19		00	12	48	40	3	36	3	1	0	8	3	8									
	23	9972	18		00	12	41	80	6	03	1	0	0	9	0	6				12	73	754		20	501
22	02	9975	17		00	11	48	80	5	01	1	0	0	9	0	8									
	05	10012	19		00	11	43	80	7	03	1	3	0	5	7	8									
	08	10031	20		01	12	34	80	8	03	1	6	0	5	7	8									
	11	10045	15		503	14	38	81	8	01	1	5	0	5	7	8									
	14	10037	11		506	14	42	82	1	01	1	1	0	9	7	1									
	17	10030	12		505	14	43	82	0	01	0	0	0	9	0	0									
	20	10012	12		00	14	49	16	7	38	0	0	0	9	0	6									
	23	10000	13		00	15	50	81	1	36	3	0	0	9	0	8				12	70	990		20	11
23	02	10001	19		00	15	45	81	7	03	1	7	0	7	7										
	05	10003	23		03	14	44	81	8	03	2	8	0	7	7										
	08	10014	24		04	13	31	80	8	03	2	8	0	5	7										
	11	10014	25		04	12	31	81	8	02	2	8	0	6	7										
	14	10014	25		05	12	35	82	7	01	2	7	0	6	9	2									
	17	10025	25		06	11	33	82	8	03	2	8	0	5	7										
	20	10026	27		07	12	22	82	7	01	2	7	0	5	7										
	23	10027	25		06	13	20	83	7	02	2	7	0	6	7					14	66	912		27	17
24	02	10023	24		05	12	20	83	8	02	2	8	0	5	2										
	05	10018	22		03	12	20	84	8	02	2	8	0	5	2										
	08	9995	23		03	13	24	84	8	03	2	8	0	5	2										
	11	9985	20		01	12	18	84	4	01	1	2	5	6	3	0									
	14	9964	18		501	13	20	84	0	01	0	0	0	9	0	0									
	17	9966	16		502	00	00	84	0	01	0	0	0	9	0	0									
	20	9939	15		503	17	18	84	0	01	0	0	0	9	0	0									
	23	9912	15		504	14	16	84	0	02	0	0	0	9	0	0				13	45	639		24	13
25	02	9901	17		504	00	00	84	0	02	0	0	0	9	0	0									
	05	9889	12		506	14	21	84	0	02	0	0	0	9	0	0									
	08	9881	12		507	26	10	84	0	02	0	0	0	9	0	0									
	11	9886	11		507	00	00	84	0	02	0	0	0	9	0	0									
	14	9888	09		509	12	15	83	0	02	0	0	0	9	0	0									
	17	9900	07		511	11	17	83	0	02	0	0	0	9	0	0									
	20	9914	05		510	13	11	82	7	03	2	1	5	7	7										
	23	9922	04		509	14	08	82	1	01	1	1	0	7	3	0				14	40	371		17	03
26	02	9928	00		516	11	20	82	4	03	1	1	0	9	3	1									
	05	9941	500		516	10	13	82	6	02	2	1	0	9	7	2									
	08	9956	501		519	10	25	82	8	03	2	1	0	9	7	6									
	11	9974	501		521	10	22	83	5	02	2	3	0	8	7	6									
	14	9991	501		520	10	30	82	8	02	2	3	0	8	7	6									
	17	10016	02		512	13	12	80	8	03	2	8	0	5	2										
	20	10039	04		513	11	23	80	8	02	2	8	0	5	2										
	23	10066	04		512	12	21	82	8	02	2	8	0	6	2					11	40	347		04	501
27	02	10085	05		511	12	22	82	8	02	2	8	0	6	2										
	05	10109	05		512	12	22	83	8	02	2	8	0	6	2										
	08	10120	04		514	13	24	83	8	02	2	8	0	5	5										
	11	10135	03		515	13	20	82	8	02	2	8	5	5	5										
	14	10132	00		517	13	18	83	6	01	2	6	5	7	7										
	17	10127	504		519	14	16	83	1	01	1	1	0	7	9	0									
	20	10103	505		522	14	21	83	0	02	0	0	0	9	0	0									
	23	10076	503		519	14	14	83	0	02	0	0	0	9	0	0				12	37	570		05	505

Results of Surface Observations,
MAWSON – May, 1959

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	10050	503		519	17	17	83	0	02	0	0	0	99	00	00									
	05	10027	504		518	13	09	83	0	02	0	0	0	99	00	00									
	08	10007	503		518	00	00	83	0	02	0	0	0	99	00	00									
	11	9996	501		518	00	00	83	0	02	0	0	0	99	00	00									
	14	9988	01		517	15	08	83	1	03	0	0	0	99	00	05									
	17	9983	01		517	13	23	83	3	03	1	1	0	89	30	55									
	20	9985	03		516	12	20	83	2	02	1	0	0	99	00	50									
	23	9990	03		517	11	25	83	0	01	0	0	0	99	00	50				12	37	306		05	505
29	02	9995	02		517	11	29	83	0	02	0	0	0	99	01	00									
	05	9996	03		516	12	33	83	2	02	1	2	0	98	17	07									
	08	10002	05		513	11	31	82	8	03	2	2	0	85	02	77									
	11	10010	08		508	12	30	82	8	03	2	3	5	56	22										
	14	10014	13		505	12	29	82	8	03	2	8	0	65	22										
	17	10022	15		502	13	16	82	8	03	2	8	0	65	22										
	20	10033	16		502	12	30	82	8	03	2	8	0	56	22										
	23	10042	16		501	12	31	82	8	01	2	8	0	56	22					12	45	505		16	02
30	02	10050	18		501	12	28	82	8	02	2	8	0	77	27										
	05	10056	15		504	14	31	82	8	02	2	8	0	77	27										
	08	10061	14		506	14	30	82	8	01	2	8	0	77	27										
	11	10069	14		507	13	25	82	7	02	2	8	0	77	27										
	14	10074	14		507	14	19	83	7	02	2	7	5	67											
	17	10074	14		506	14	18	82	7	02	2	7	5	57											
	20	10073	13		508	13	18	82	7	01	2	7	0	77	70										
	23	10072	10		509	13	20	83	0	01	0	0	0	99	00	0				13	41	617		18	08
31	02	10 69	07		512	13	20	83	0	01	0	0	0	99	00	00									
	05	10061	06		513	13	20	83	0	01	0	0	0	99	00	00									
	08	10061	04		515	13	21	83	0	01	0	0	0	99	00	00									
	11	10060	05		515	13	23	83	0	01	0	0	0	99	00	00									
	14	10 66	04		515	00	00	84	0	01	0	0	0	99	00	00									
	17	10061	03		516	13	13	84	0	01	0	0	0	99	00	00									
	20	10060	00		519	13	20	84	0	01	0	0	0	99	00	00									
	23	10069	501		521	15	19	84	0	02	0	0	0	99	00	0				15	35	470		08	502

Results of Surface Observations,
MAWSON — Jun., 1959

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	10066	502		522	14	24	84	0	02	0	0	0	9	0	0									
	05	10066	502		522	13	17	84	0	01	0	0	0	9	0	0									
	08	10062	501		521	12	26	84	0	01	0	0	0	9	0	0									
	11	10067	501		520	11	15	84	0	01	0	0	0	9	0	0									
	14	10068	501		520	13	12	84	1	03	1	1	5	6	0	5									
	17	10062	504		522	14	16	83	1	02	1	0	0	9	0	1									
	20	10063	502		521	19	13	83	0	02	0	0	0	9	0	0									
	23	10064	504		522	12	20	83	0	02	0	0	0	9	0	0				20	37	350		00	505
02	02	10062	505		522	13	22	83	0	02	0	0	0	9	0	0									
	05	10066	505		523	12	22	83	0	02	0	0	0	9	0	0									
	08	10073	506		524	12	19	83	0	02	0	0	0	9	0	0									
	11	10083	506		525	10	22	83	0	02	0	0	0	9	0	0									
	14	10089	506		524	14	03	83	0	02	0	0	0	9	0	0									
	17	10102	507		525	14	18	83	0	02	0	0	0	9	0	0									
	20	10114	509		527	12	10	83	0	02	0	0	0	9	0	0									
	23	10118	511		529	11	20	83	0	02	0	0	0	9	0	0				12	35	457		504	511
03	02	10119	511		530	09	12	83	0	02	0	0	0	9	0	0									
	05	10110	511		530	15	21	83	0	02	0	0	0	9	0	0									
	08	10101	511		529	13	12	83	0	02	0	0	0	9	0	0									
	11	10101	512		530	10	23	83	0	02	0	0	0	9	0	0									
	14	10088	509		526	12	20	83	0	02	0	0	0	9	0	0									
	17	10081	510		527	18	04	83	0	02	0	0	0	9	0	0									
	20	10062	508		526	00	00	83	0	02	0	0	0	9	0	0									
	23	10053	505		522	00	00	83	0	02	0	0	0	9	0	0				15	37	380		503	512
04	02	10046	501		520	00	00	83	0	02	0	0	0	9	0	0									
	05	10037	01		518	10	08	83	0	02	0	0	0	9	0	0									
	08	10044	02		517	13	20	83	0	02	0	0	0	9	0	0									
	11	10059	04		514	12	23	83	0	02	0	0	0	9	0	0									
	14	10079	05		513	12	22	83	4	03	1	3	0	8	4	1									
	17	10076	11		507	12	24	83	2	01	1	2	0	7	3	0									
	20	10091	13		504	12	24	83	8	03	2	8	0	7	7										
	23	10099	15		502	10	23	83	8	02	2	8	0	7	1					12	42	304		15	503
05	02	10091	17		02	11	29	83	8	02	2	8	0	7	1										
	05	10085	18		04	11	31	82	8	70	2	8	0	6	2										
	08	10086	18		06	11	31	81	8	71	7	8	0	5	2										
	11	10083	19		05	11	27	81	8	02	2	8	0	7	2										
	14	10084	18		04	11	22	82	8	02	2	8	0	7	2										
	17	10086	18		04	11	18	81	8	03	2	8	0	6	2										
	20	10074	17		03	11	19	81	8	02	2	8	0	6	2										
	23	10077	15		02	11	17	81	8	02	2	8	0	6	2					12	46	592		19	15
06	02	10079	15		01	11	21	81	8	02	2	8	0	6	2										
	05	10086	14		03	10	22	16	8	73	7	8	0	5	2										
	08	10098	13		04	11	22	04	8	73	7	8	0	5	2										
	11	10110	14		03	10	21	06	8	73	7	8	0	5	2										
	14	10119	14		03	11	17	80	8	71	7	8	0	5	2										
	17	10132	12		00	04	01	80	8	02	7	8	0	5	2										
	20	10136	12		01	05	05	81	8	02	2	8	0	6	2										
	23	10137	14		01	07	10	81	8	02	2	8	0	6	2					10	30	536		15	11
07	02	10145	11		502	07	10	81	8	02	2	8	0	6	2										
	05	10150	08		506	12	20	82	2	01	1	2	0	7	2	0									
	08	10150	07		508	09	20	82	2	01	1	2	0	7	2	0									
	11	10144	04		509	00	00	82	4	03	1	1	0	8	1	5									
	14	10142	02		509	00	00	82	8	03	2	1	0	8	3	7									
	17	10136	00		510	00	00	82	4	02	2	4	0	9	0	6									
	20	10119	501		511	00	00	82	4	02	2	4	0	9	0	6									
	23	10105	09		502	17	20	82	1	02	1	1	0	9	0	8				18	31	315		13	501
08	02	10097	12		04	19	09	82	1	02	0	1	0	9	0	8									
	05	10083	13		502	20	17	82	2	02	1	2	0	9	0	8									
	08	10070	14		502	16	19	82	2	02	3	2	0	9	0	8									
	11	10056	08		506	00	00	82	6	02	3	1	0	8	3	6									
	14	10036	13		505	18	05	82	8	03	2	0	0	9	0	7									
	17	10025	04		508	00	00	82	7	02	2	0	0	9	0	6									
	20	10015	06		507	00	00	82	1	01	1	0	0	9	0	8									
	23	10011	17		505	15	21	82	0	02	0	0	0	9	0	0				16	40	188		22	03
09	02	9996	20		502	14	24	82	0	02	0	0	0	9	0	0									
	05	9997	15		505	15	25	82	2	03	1	1	0	8	7	8									
	08	10000	15		502	13	25	82	2	36	3	1	0	8	7	8									
	11	10001	10		507	12	26	82	5	03	3	2	0	8	3	8									
	14	10015	04		506	01	03	83	8	02	2	2	0	9	5	7									
	17	10002	03		507	00	00	82	6	01	2	1	0	9	5	8									
	20	9995	03		508	00	00	82	3	01	1	1	0	9	5	8									
	23	9990	02		509	05	05	83	0	01	0	0	0	9	0	0				12	43	319		20	01

Results of Surface Observations,
MAWSON – Jun., 1959

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	9981	00		509	00	00	83	0	02	3	0	0	9	0	0									
	05	9974	06		511	00	00	83	0	02	3	0	0	9	0	0									
	08	9962	06		510	12	20	83	1	03	3	1	0	9	4	0									
	11	9948	08		508	12	30	82	1	36	3	1	5	7	4	0									
	14	9952	09		509	00	00	82	1	01	3	1	5	7	0	0									
	17	9947	10		509	13	20	83	1	01	3	1	5	7	0	0									
	20	9948	11		509	13	24	83	0	02	3	0	0	9	0	0									
	23	9947	09		511	21	08	84	0	02	3	0	0	9	0	0				14	39	192		15	501
11	02	9952	11		510	11	21	84	0	02	3	0	0	9	0	0									
	05	9948	09		511	13	19	84	0	02	3	0	0	9	0	0									
	08	9944	08		513	10	26	84	0	02	3	0	0	9	0	0									
	11	9950	08		514	12	16	82	0	02	3	0	0	9	0	0									
	14	9940	07		513	12	27	82	0	36	3	0	0	9	0	0									
	17	9939	06		515	11	28	82	0	02	3	0	0	9	0	0									
	20	9931	06		515	12	26	82	0	36	3	0	0	9	0	0									
	23	9922	06		515	12	19	82	0	02	3	0	0	9	0	0				10	44	423		13	04
12	02	9913	04		517	11	18	82	0	02	3	0	0	9	0	0									
	05	9905	00		518	00	00	82	0	02	3	0	0	9	0	0									
	08	9893	505		520	12	15	82	0	02	3	0	0	9	0	0									
	11	9888	502		520	18	01	83	0	02	3	0	0	9	0	0									
	14	9887	502		521	13	15	83	0	02	3	0	0	9	0	0									
	17	9893	505		523	14	17	82	1	02	3	1	5	7	0	0									
	20	9905	505		523	13	13	82	1	02	3	1	5	7	0	0									
	23	9905	505		523	12	16	82	0	02	3	0	0	9	0	0				14	32	474		05	507
13	02	9920	503		521	11	26	82	0	02	3	0	0	9	0	0									
	05	9932	00		517	11	32	81	8	38	3	8	0	8	1	0									
	08	9946	02		518	11	35	80	8	38	3	8	0	7	2										
	11	9977	05		512	12	31	40	8	38	3	8	0	7	2										
	14	9979	05		502	12	38	00		39	3														
	17	9993	07		03	11	38	00		39	3														
	20	9992	09		07	11	40	00		39	3														
	23	10000	10		09	11	50	00		39	3									12	58	492		10	504
14	02	10009	11		10	11	50	00		39	3														
	05	10013	11		10	11	50	00		39	3														
	08	10045	12		11	11	45	00		39	3														
	11	10059	11		10	11	46	00		39	3														
	14	10075	12		11	10	43	00		39	3														
	17	10082	12		11	10	42	00		39	3														
	20	10084	14		12	10	42	00		39	3														
	23	10085	14		13	09	40	00		39	3									11	50	1126		14	10
15	02	10086	15		12	09	40	00		39	3														
	05	10088	14		13	09	33	00		39	3														
	08	10075	13		12	09	39	00		39	3														
	11	10071	13		12	10	38	00		39	3														
	14	10064	14		08	10	27	56	8	38	3	8	0	5	7										
	17	10043	15		09	09	33	16	8	38	3	8	0	5	2										
	20	10027	16		10	10	31	00		38	3														
	23	9991	16		14	10	55	00		39	3									09	67	1000		16	13
16	02	9980	15		14	10	50	00		39	3														
	05	9974	15		14	10	54	00		39	3														
	08	9978	16		15	10	50	00		39	3														
	11	9988	17		16	10	46	00		39	3														
	14	9981	17		16	10	52	00		39	3														
	17	9996	17		16	10	48	00		39	3														
	20	9999	17		16	10	48	00		39	3														
	23	10010	17		16	10	40	00		39	3									09	55	1100		18	15
17	02	10008	19		17	09	34	00	8	38	3	8	0	5	2										
	05	10007	20		16	08	28	40	8	02	3	8	0	5	2										
	08	10014	18		14	08	22	40	8	02	2	8	0	5	2										
	11	10018	16		501	04	12	82	8	02	2	8	6	6											
	14	10019	13		505	05	22	80	8	70	2	8	6	5											
	17	10033	13		506	06	13	80	8	70	7	8	6	5											
	20	10023	15		504	08	20	80	8	02	2	8	6	5											
	23	10018	12		507	04	16	82	8	02	2	8	0	7	1					09	45	1068		20	11
18	02	10011	09		510	04	19	82	8	02	2	8	0	7	2										
	05	10001	09		511	04	15	82	8	02	2	8	0	6	2										
	08	9984	13		508	08	13	82	8	02	2	8	0	6	2										
	11	9964	14		507	09	18	82	8	02	2	8	0	6	2										
	14	9934	12		509	10	23	82	8	36	3	8	0	6	2										
	17	9907	12		509	10	27	80	8	36	3	8	0	6	2										
	20	9886	11		509	10	28	80	8	38	3	8	0	6	2										
	23	9867	11		510	10	32	80	8	38	3	1	5	6	0	2				09	44	482		14	09

Results of Surface Observations,
MAWSON — Jun., 1959

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	9856	10		511	10	20	80	7	38	3	1	5	6	7	2									
	05	9846	10		511	11	28	82	7	36	3	1	0	9	7	8									
	08	9843	11		512	10	23	82	5	36	3	1	0	9	7	8									
	11	9854	06		513	26	05	82	7	03	2	1	0	9	7	8									
	14	9861	00		517	04	04	82	7	02	2	1	0	9	4	8									
	17	9866	501		519	03	04	82	7	02	2	1	0	9	4	8									
	20	9877	502		519	00	00	82	6	01	2	0	0	9	0	8									
	23	9866	501		520	24	03	82	0	01	1	0	0	9	0	0				10	43	673		11	503
20	02	9873	503		522	03	01	82	0	02	0	0	0	9	0	0									
	05	9864	01		521	14	08	83	1	03	0	1	0	9	4	0									
	08	9862	501		523	14	09	83	1	01	0	1	0	9	4	0									
	11	9854	502		523	00	00	83	1	03	0	1	0	9	7	0									
	14	9850	502		524	00	00	83	1	02	0	1	0	9	5	0									
	17	9844	503		525	12	03	83	1	02	0	1	0	9	5	0									
	20	9831	502		527	12	15	83	1	02	0	1	0	9	4	0									
	23	9828	503		528	12	18	83	0	02	0	0	0	9	0	0				12	28	143		02	504
21	02	9828	503		529	12	25	83	0	02	0	0	0	9	0	0									
	05	9832	505		530	14	21	83	0	02	0	0	0	9	0	0									
	08	9833	506		531	14	27	83	0	02	3	0	0	9	0	0									
	11	9835	504		528	12	28	82	1	02	3	1	0	9	0	5									
	14	9836	505		528	12	27	82	1	36	3	1	0	9	0	5									
	17	9834	504		526	12	26	82	1	36	3	1	0	9	0	5									
	20	9832	505		528	12	34	40	1	38	3	1	0	9	0	5									
	23	9833	503		525	11	23	82	7	03	1	7	0	8	3					11	45	327		502	507
22	02	9833	501		523	12	21	82	8	03	2	8	0	8	7										
	05	9827	02		521	12	21	82	8	02	2	8	0	8	2										
	08	9820	04		518	11	22	81	8	02	2	8	0	7	2										
	11	9814	05		512	11	25	40	7	36	7	6	0	7	7	1									
	14	9809	08		510	11	30	40	8	36	3	8	0	8	1										
	17	9806	09		508	11	32	02		38	3														
	20	9802	09		03	11	35	00		39	3														
	23	9801	09		05	11	35	00		39	3									10	54	623		10	505
23	02	9805	09		05	11	35	00		39	3														
	05	9811	09		07	11	34	00		39	3														
	08	9815	10		06	11	32	00		39	3														
	11	9835	08		501	12	30	82	8	38	3	8	0	7	7										
	14	9832	09		03	12	29	81	8	38	3	8	0	7	7										
	17	9830	10		02	11	25	40	8	70	7	8	0	5	2										
	20	9822	10		503	11	23	81	8	02	3	8	0	5	2										
	23	9815	09		506	12	17	81	8	01	2	8	0	7	1					11	50	853		10	08
24	02	9806	09		506	11	18	82	8	02	2	8	0	8	1										
	05	9797	09		508	12	09	82	8	02	2	8	0	8	1										
	08	9788	07		510	04	01	81	8	02	2	8	0	8	1										
	11	9781	07		506	13	08	81	8	02	2	8	0	7	1										
	14	9775	05		511	12	11	82	8	02	2	1	0	9	1	7									
	17	9777	04		512	17	03	81	5	01	1	1	0	9	7	8									
	20	9774	02		514	13	04	81	2	01•	0	1	0	9	7	8									
	23	9781	501		516	00	00	81	0	05	0	0	0	9	0	0				11	25	553		09	503
25	02	9786	503		518	14	08	81	0	02	0	0	0	9	0	0									
	05	9796	505		519	14	10	81	1	02	0	0	0	9	0	8									
	08	9803	506		520	14	06	81	0	02	0	0	0	9	0	8									
	11	9819	508		523	14	16	82	3	03	1	1	5	7	3	8									
	14	9829	509		523	13	13	82	3	02	1	1	5	7	7	8									
	17	9846	510		525	13	14	82	2	01	1	1	5	7	7	8									
	20	9863	509		524	14	07	82	1	02	0	0	0	9	0	8									
	23	9883	510		525	15	08	82	0	02	0	0	0	9	0	0				14	31	193		501	511
26	02	9898	512		526	01	01	82	0	02	0	0	0	9	0	8									
	05	9911	511		525	19	04	82	1	02	0	0	0	9	0	8									
	08	9920	511		525	14	04	82	1	03	0	0	0	9	0	5									
	11	9933	512		525	00	00	82	3	03	1	1	0	9	5	5									
	14	9937	513		525	00	00	82	5	03	1	1	0	9	5	6									
	17	9939	508		522	16	03	82	4	02	1	1	0	9	5	6									
	20	9939	506		520	00	00	81	3	02	1	0	0	9	0	8									
	23	9942	03		512	00	00	82	2	01	0	0	0	9	0	8				10	20	248		03	514
27	02	9944	03		512	12	17	82	2	02	0	0	0	9	0	8									
	05	9946	03		515	18	04	82	2	02	0	0	0	9	0	8									
	08	9946	02		515	00	00	82	2	02	0	0	0	9	0	8									
	11	9957	501		517	00	00	82	8	03	2	2	0	9	7	7									
	14	9962	00		515	13	17	82	8	02	2	2	0	9	7	7									
	17	9967	502		517	11	25	82	3	36	3	2	0	7	7	8									
	20	9978	01		517	16	18	82	1	01	3	1	0	9	7	0									
	23	9987	504		520	04	10	82	1	02	3	1	0	9	7	0				11	35	158		04	505

Results of Surface Observations,
MAWSON — Jun., 1959

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	9988	503		521	00	00	82	1	02	0	1	0	9	7	0									
	05	9988	507		522	11	06	82	1	02	0	1	0	9	7	0									
	08	9984	506		522	15	05	82	1	02	0	1	0	9	7	0									
	11	9983	510		523	00	00	82	3	03	0	1	0	9	7	5									
	14	9967	509		523	01	03	82	2	01	0	1	0	9	7	8									
	17	9952	508		521	01	05	82	1	01	0	1	0	8	5	5									
	20	9935	505		521	14	01	82	1	02	0	1	0	8	5	5									
	23	9915	505		522	19	04	82	1	02	0	0	0	9	0	8				09	23	278		02	510
29	02	9888	508		523	09	05	82	1	02	0	0	0	9	0	8									
	05	9879	506		521	21	02	82	0	02	0	0	0	9	0	0									
	08	9875	506		521	00	00	83	0	02	0	0	0	9	0	0									
	11	9856	506		521	14	33	80	0	36	3	0	0	9	0	0									
	14	9860	507		522	13	17	82	3	02	3	3	0	9	0	6									
	17	9867	507		523	15	08	82	6	02	2	6	0	9	0	6									
	20	9854	508		524	14	15	82	1	01	0	0	0	9	0	8									
	23	9846	509		524	14	23	82	0	02	0	0	0	9	0	0				14	48	117		501	512
30	02	9834	507		521	11	31	81	0	36	3	0	0	9	0	8									
	05	9830	507		522	11	27	81	2	36	3	1	0	9	7	0									
	08	9827	509		523	13	26	81	2	36	3	2	0	8	7	8									
	11	9819	507		521	11	22	81	8	36	3	6	0	8	1	0									
	14	9807	505		519	09	20	82	8	02	3	4	0	9	1	6									
	17	9785	504		517	10	30	16	6	38	3	5	0	8	7	1									
	20	9781	502		509	11	30	01		38	3														
	23	9789	500		507	11	25	01		38	3									10	47	522		00	509

Results of Surface Observations,
MAWSON – Jul., 1959

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	9794	01		510	11	17	81	7	00	3	7	0	8	7										
	05	9800	01		510	11	21	81	8	03	2	8	0	7	7										
	08	9815	501		507	06	05	81	8	01	2	8	0	7	7										
	11	9819	503		513	09	01	80	8	03	2	8	6	4											
	14	9828	02		513	09	05	40	8	01	2	8	6	5											
	17	9837	01		512	07	01	80	8	40	2	1	6	5	7										
	20	9849	01		513	07	02	80	8	01	2	8	0	6	7										
	23	9848	01		514	10	04	80	8	01	2	8	0	6	7					11	32	640		02	503
02	02	9851	02		513	00	00	80	8	01	2	8	0	6	7										
	05	9854	500		515	00	00	82	4	01	2	4	0	6	7	0									
	08	9852	500		516	00	00	83	3	02	1	3	0	8	3	0									
	11	9847	501		518	10	14	83	3	03	1	1	0	8	3	8									
	14	9850	502		520	00	00	83	6	03	2	1	0	8	3	6									
	17	9848	500		519	11	21	83	1	01	1	0	0	9	0	1									
	20	9852	502		520	12	15	82	1	02	0	0	0	9	0	1									
	23	9864	506		523	21	06	82	0	02	0	0	0	9	0	0				12	31	103		02	506
03	02	9859	504		521	13	20	82	0	02	0	0	0	9	0	0									
	05	9854	506		523	13	17	82	0	02	0	0	0	9	0	0									
	08	9858	507		523	13	21	82	1	03	1	1	0	8	7	0									
	11	9859	506		522	13	18	82	8	03	1	1	5	6	7	6									
	14	9863	504		521	12	17	83	8	02	2	1	5	6	7	6									
	17	9867	504		520	10	22	82	1	01	1	1	0	8	7	0									
	20	9876	505		521	13	17	82	1	02	0	1	0	8	7	0									
	23	9879	504		522	12	16	82	0	01	0	0	0	9	0	0				12	39	326		503	509
04	02	9876	502		517	12	23	82	0	36	3	0	0	9	0	0									
	05	9879	501		516	13	17	82	0	03	3	8	0	8	7										
	08	9878	503		518	13	17	82	8	02	2	8	0	8	7										
	11	9886	503		519	14	21	80	8	40	2	1	6	5	7										
	14	9881	00		517	12	19	40	8	36	2	8	0	7	7										
	17	9889	503		518	12	26	80	8	36	3	8	0	7	7										
	20	9887	501		517	12	17	81	7	01	3	3	0	7	1										
	23	9876	00		515	11	24	80	8	36	3	8	0	7	7					12	37	486		00	504
05	02	9871	01		515	11	21	82	8	02	3	8	0	7	7										
	05	9871	02		514	11	20	82	8	02	2	8	0	7	7										
	08	9867	01		514	11	26	80	8	36	2	8	0	7	7										
	11	9866	500		512	12	26	16	7	38	3	5	0	7	7	1									
	14	9864	01		509	12	22	04	7	38	3	7	0	7	7										
	17	9862	03		509	12	16	40	8	36	3	8	0	7	2										
	20	9860	500		512	13	14	81	1	01	1	1	0	8	7	0									
	23	9853	502		515	15	11	82	1	01	0	1	0	8	7	0				12	39	537		03	503
06	02	9839	505		517	15	20	81	1	36	0	1	0	8	7	0									
	05	9817	507		518	14	20	81	1	36	3	1	0	8	7	0									
	08	9792	505		516	14	18	81	1	36	3	1	0	8	7	0									
	11	9772	503		516	09	04	81	1	02	3	1	0	9	7	0									
	14	9738	503		516	13	15	16	1	36	3	1	0	9	1	0									
	17	9711	507		517	13	25	00		38	3														
	20	9685	505		518	09	09	40	0	38	3	0	0	9	0	0									
	23	9674	506		520	12	07	08	0	38	3	0	0	9	0	0				14	45	443		502	508
07	02	9660	508		522	14	22	08	0	38	3	0	0	9	0	0									
	05	9659	508		523	14	17	82	1	02	3	1	0	8	7	0									
	08	9676	507		522	11	21	82	1	02	0	1	0	8	7	0									
	11	9706	505		522	12	18	83	1	03	0	1	0	9	7	0									
	14	9736	510		524	14	11	83	2	03	0	2	0	8	7	0									
	17	9786	510		524	14	10	83	2	01	1	2	0	8	7	0									
	20	9843	509		526	09	12	83	1	02	0	1	0	8	7	0									
	23	9896	509		521	11	25	83	1	02	0	1	0	8	7	0				12	38	448		503	511
08	02	9942	510		520	11	27	82	2	36	3	1	5	6	7	0									
	05	9968	508		520	11	26	82	4	36	3	4	5	6	0	0									
	08	9986	508		518	11	27	80	7	36	3	3	5	6	7										
	11	9985	503		513	11	30	04	8	38	3	8	5	6											
	14	9969	504		515	10	40	04	8	38	3	3	5	6	0	7									
	17	9971	503		516	12	10	40	6	02	3	1	5	6	0	7	6								
	20	9914	501		513	10	36	01		38	3														
	23	9883	05		511	11	39	01		38	3									11	57	512		05	511
09	02	9864	09		511	11	37	08		38	3														
	05	9818	08		509	11	38	16	8	36	3	8	0	8	1										
	08	9803	07		506	11	33	08	8	38	3	8	0	7	2										
	11	9778	10		505	11	42	08	8	36	3	8	0	6	7										
	14	9747	13		503	11	45	08	8	36	3	2	5	5	2										
	17	9719	16		500	11	45	08	8	02	3	8	0	5	2										
	20	9714	17		501	11	46	16	8	02	3	8	0	7	2										
	23	9723	15		05	11	45	16	8	02	3	8	0	8	1					11	63	914		18	05

Results of Surface Observations,
MAWSON — Jul., 1959

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	9723	13		04	11	45	16	8	02	3	8	0	8	1										
	05	9741	18		501	11	47	80	8	02	3	8	0	8	1										
	08	9751	16		501	11	42	80	1	01	1	1	0	7	7	0									
	11	9762	17		502	11	39	16	7	03	1	2	5	5	7										
	14	9757	17		504	12	38	40	6	01	1	2	5	5	7	0									
	17	9745	19		504	12	35	40	8	03	1	1	5	5	7										
	20	9729	19		504	12	45	40	7	01	1	1	5	5	7										
	23	9709	18		504	12	50	80	4	02	1	4	0	7	7	0				11	71	185		20	12
11	02	9686	19		506	12	60	82	3	02	1	3	0	7	7	0									
	05	9691	14		506	12	50	82	4	02	1	4	0	8	7	0									
	08	9709	16		508	12	45	82	4	02	1	4	0	8	7	0									
	11	9740	16		506	11	40	82	8	03	2	8	0	6	7										
	14	9762	15		507	11	30	82	7	02	2	7	0	7	7										
	17	9776	14		507	12	26	82	7	02	2	7	0	7	7										
	20	9793	11		510	13	38	82	8	02	2	8	0	7	7										
	23	9800	11		510	13	29	82	8	02	2	8	0	7	2					12	76	930		19	10
12	02	9810	11		510	12	30	82	8	02	2	8	0	7	2										
	05	9817	10		511	12	26	82	8	02	2	8	0	7	2										
	08	9819	11		510	11	26	82	8	02	2	8	0	7	2										
	11	9825	09		511	12	12	82	8	02	2	8	0	7	2										
	14	9835	09		510	12	12	82	8	02	2	8	0	7	2										
	17	9844	07		512	13	14	82	8	02	2	8	0	7	2										
	20	9855	07		512	13	17	82	8	02	2	8	0	7	2										
	23	9870	08		511	10	28	82	8	02	2	8	0	6	2					12	45	783		12	07
13	02	9890	06		513	10	24	82	8	02	2	8	0	6	2										
	05	9904	02		518	13	30	82	2	02	1	2	0	7	7	0									
	08	9914	05		517	11	21	82	2	02	1	2	0	7	7	0									
	11	9920	06		515	11	24	82	3	03	1	1	5	6	7	4									
	14	9935	05		516	11	21	82	6	03	1	1	5	6	7	6									
	17	9950	07		515	11	20	82	7	03	2	1	5	6	7	7									
	20	9960	04		517	11	24	82	8	00	1	0	0	8	7	4									
	23	9971	07		513	10	24	82	8	02	2	0	0	9	0	7				11	38	516		08	02
14	02	9988	07		515	10	24	82	8	02	2	0	0	9	0	8									
	05	9994	07		513	11	16	82	4	02	1	2	0	9	0	8									
	08	10002	06		513	10	21	82	8	02	2	4	0	8	1	7									
	11	10012	05		508	10	22	82	6	02	2	1	6	8	3	2									
	14	10032	05		507	11	16	82	7	03	1	6	5	6	3	8									
	17	10038	06		507	11	14	82	4	02	1	2	5	6	7	1									
	20	10038	04		509	11	17	82	2	02	1	2	5	8	7	0									
	23	10039	02		509	12	11	82	0	02	0	0	0	9	0	0				10	35	586		08	01
15	02	10056	02		510	13	10	82	1	02	0	0	0	9	0	1									
	05	10018	01		511	13	06	82	8	03	1	0	0	9	0	7									
	08	10005	00		512	14	11	82	8	03	2	2	0	8	7	7									
	11	9992	00		513	14	07	82	8	02	2	1	0	9	4	8									
	14	9961	02		512	11	13	81	8	03	2	2	6	8	7	8									
	17	9939	01		514	12	17	82	8	02	2	2	0	8	1	8									
	20	9901	500		516	11	30	82	8	02	2	1	0	8	7	6									
	23	9885	501		517	11	30	82	4	02	1	2	0	8	7					11	45	419		03	501
16	02	9873	00		512	11	30	82	1	02	1	1	0	8	7	0									
	05	9869	02		513	11	32	82	2	02	1	2	0	8	7	0									
	08	9857	501		514	11	32	82	2	02	1	1	0	8	7	8									
	11	9867	01		514	11	22	82	7	03	2	1	0	8	7	5									
	14	9862	00		516	11	27	82	7	02	2	1	0	8	7	6									
	17	9870	02		515	11	24	82	8	03	2	6	0	8	7	8									
	20	9875	01		516	11	21	82	8	02	2	8	0	8	7										
	23	9886	501		517	11	17	82	7	01	2	7	0	8	3					11	47	596		02	501
17	02	9890	503		519	12	11	82	6	01	2	6	0	8	3										
	05	9884	505		521	14	09	82	7	02	2	7	0	8	7										
	08	9879	507		522	14	13	82	3	02	1	3	0	8	7	0									
	11	9875	506		521	09	05	82	2	01	1	1	0	8	7	8									
	14	9870	508		523	16	09	83	3	03	2	1	5	7	7	5									
	17	9868	509		524	14	11	83	1	01	1	1	5	7	7	4									
	20	9870	510		524	00	00	83	7	03	1	0	5	7	9	0									
	23	9873	509		526	13	17	83	1	02	2	1	0	9	1	8				14	26	516		501	512
18	02	9875	512		527	14	13	82	1	02	1	1	0	9	1	8									
	05	9878	513		527	14	16	82	1	02	1	0	0	9	0	8									
	08	9879	513		526	14	13	83	0	02	0	0	0	9	0	0									
	11	9883	515		530	00	00	83	0	02	0	0	0	9	0	0									
	14	9884	513		528	14	25	83	0	02	0	0	0	9	0	0									
	17	9894	514		527	13	22	80	0	02	0	0	0	9	0	0									
	20	9901	516		527	12	25	80	0	02	0	0	0	9	0	0									
	23	9906	514		526	11	30	16	0	36	3	0	0	9	0	0				11	40	269		511	516

Results of Surface Observations,
MAWSON — Jul., 1959

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	9914	516		529	11	32	16	0	36	3	0	0	99	0	0									
	05	9913	518		529	11	30	16	0	36	3	0	0	99	0	0									
	08	9892	515		527	11	28	16	1	36	3	0	0	99	0	5									
	11	9861	515		524	11	35	08	2	38	3	0	0	99	0	5									
	14	9830	513		523	11	45	08	2	38	3	0	0	99	0	5									
	17	9809	514		522	10	43	00		38	3														
	20	9801	510		520	11	38	08	7	38	3	3	0	9	3	2				11	60	619		504	519
	23	9774	505		515	11	38	08		38	3														
20	02	9789	505		512	11	43	00		39	3														
	05	9819	502		511	12	34	00		38	3														
	08	9844	00		511	12	38	00		38	3														
	11	9886	01		510	11	28	08	8	36	3	8	0	6	2										
	14	9898	501		512	11	31	02	8	36	3	8	0	6	2										
	17	9934	02		509	11	27	08	8	36	3	8	0	6	2										
	20	9948	01		509	11	29	08	8	36	3	0	0	9	0	7				11	52	944		03	507
	23	9959	03		510	11	34	08	8	16	3	0	0	9	0	7									
21	02	9968	02		512	11	31	82	8	03	2	8	0	8	1										
	05	9966	02		509	11	31	08	8	36	3	8	0	8	1										
	08	9949	03		511	11	28	08	8	16	3	8	0	8	1										
	11	9946	03		508	11	23	08	8	36	3	8	0	8	1										
	14	9924	03		508	10	22	16	7	01	3	3	0	5	7										
	17	9914	03		509	10	22	40	7	36	3	1	0	5	7	8									
	20	9903	01		510	12	31	16	8	36	3	8	0	7	7					11	50	799		04	01
	23	9895	03		508	11	36	16	8	36	3	8	0	7	7										
22	02	9891	03		514	11	31	80	8	02	3	3	0	8	7	7									
	05	9902	01		514	11	34	80	8	02	3	1	0	8	7	7									
	08	9916	01		515	11	21	80	7	01	2	1	0	8	7	8									
	11	9932	02		516	11	15	82	8	03	2	0	0	9	0	6									
	14	9960	502		519	12	14	82	6	02	2	0	0	9	0	8									
	17	9989	504		519	21	01	82	2	01	1	0	0	9	0	8									
	20	10005	508		523	07	01	82	2	02	1	0	0	9	0	8				11	50	720		04	508
	23	10012	507		522	13	05	82	2	02	3	1	0	9	1	8									
23	02	10017	509		524	00	00	82	2	02	3	1	0	9	3	8									
	05	10013	510		525	08	02	82	2	02	3	1	0	9	1	8									
	08	10017	512		525	20	01	82	3	03	3	1	0	9	2	8									
	11	10033	511		524	00	00	82	8	03	3	1	0	9	2	7									
	14	10050	511		523	00	00	82	8	02	2	1	0	9	2	7									
	17	10064	512		524	00	00	82	8	02	2	1	0	9	2	7									
	20	10066	511		525	20	02	82	8	02	2	1	0	9	2	7									
	23	10062	510		525	20	01	82	8	02	2	0	0	9	0	7				18	14	225		507	512
24	02	10060	512		526	00	00	82	0	01	0	0	0	9	0	0									
	05	10061	513		528	18	02	82	0	02	0	0	0	9	4	8									
	08	10050	513		527	04	08	82	1	03	0	1	0	9	4	8									
	11	10059	501		519	14	05	82	6	03	0	1	0	9	4	6									
	14	10048	06		514	17	07	82	5	01	1	1	0	9	4	8									
	17	10042	00		517	15	11	82	7	03	1	1	0	9	7	0									
	20	10032	508		521	00	00	82	5	02	2	1	0	9	7	0				14	22	067		06	514
	23	10011	505		519	00	00	82	1	02	3	1	0	9	7	0									
25	02	9989	500		516	00	00	82	1	02	3	1	0	9	7	0									
	05	9966	09		511	15	17	82	1	02	3	1	0	9	7	0									
	08	9966	02		517	00	00	82	1	02	3	1	0	9	1	0									
	11	9963	03		514	00	00	83	1	02	3	1	0	9	0	0									
	14	9951	03		514	17	05	83	2	03	1	0	0	9	0	8									
	17	9935	05		514	16	11	82	1	02	0	0	0	9	0	8									
	20	9909	05		513	15	35	81	1	02	0	0	0	9	0	8				13	69	156		11	507
	23	9905	08		508	14	38	81	8	02	2	0	0	9	0	7									
26	02	9875	04		514	14	39	81	8	02	2	0	0	9	0	7									
	05	9856	03		512	14	31	40	8	36	2	0	0	9	0	7									
	08	9865	02		517	13	30	82	1	01	2	0	0	9	0	7									
	11	9880	502		518	09	13	82	1	02	0	0	1	5	7	8									
	14	9889	503		520	09	16	84	1	02	0	0	1	5	7	8									
	17	9893	504		521	09	26	84	1	02	0	0	1	5	7	8									
	20	9896	505		517	11	31	00	1	38	0	0	1	5	7	8				11	64	539		08	506
	23	9876	505		515	10	47	00	2	38	3	2	2	0	7	0									
27	02	9852	501		513	10	51	01	2	38	3	2	0	7	2	0									
	05	9830	03		509	11	62	00	0	38	3	8	0	7	2										
	08	9802	02		502	11	70	00		39	3														
	11	9803	04		03	11	70	00		39	3														
	14	9792	04		03	11	70	00		39	3														
	17	9791	05		04	11	70	00		39	3														
	20	9792	05		04	11	72	00		39	3														
	23	9780	06		05	11	72	00		75	7									11	100	1021		06	504

Results of Surface Observations,
MAWSON — Jul., 1959

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	9758	07		06	11	75	00		75	7														
	05	9744	07		06	11	75	00		75	7														
	08	9777	08		07	11	66	00		75	7														
	11	9792	08		07	11	56	00		75	7														
	14	9792	10		09	12	56	00		75	7														
	17	9825	13		12	10	50	00		75	7														
	20	9832	13		12	11	40	00		39	3														
	23	9819	15		11	10	43	00		38	3									11	08	1864		15	06
29	02	9822	17		15	10	53	00		39	3														
	05	9844	15		14	10	53	00		39	3														
	08	9881	15		14	10	50	00		39	3														
	11	9914	15		14	10	46	00		39	3														
	14	9955	16		12	09	39	00		38	3														
	17	9945	15		14	11	47	00		39	3														
	20	9950	13		10	11	44	00		38	3														
	23	9946	13		09	11	42	00		38	3									10	65	1269		17	13
30	02	9959	16		08	12	24	02	0	36	3	0	0	9	0	0									
	05	9963	10		02	12	30	00	0	36	3	0	0	9	0	0									
	08	9964	11		00	12	20	16	0	36	3	0	0	9	0	7									
	11	9968	11		504	11	24	80	8	36	3	0	0	9	0	2									
	14	9968	09		505	14	14	82	7	03	3	0	1	9	4	0									
	17	9979	07		508	32	04	82	6	02	2	0	2	9	7	0									
	20	9977	07		508	09	11	82	1	01	0	0	1	9	1	0									
	23	9978	06		509	07	06	82	0	02	0	0	0	9	0	0				13	37	996		16	05
31	02	9987	02		512	01	01	82	0	02	0	0	0	9	0	0									
	05	9987	01		514	14	18	82	0	02	0	0	0	9	0	0									
	08	9991	503		514	12	15	80	1	36	3	0	0	9	1	0									
	11	9985	501		514	12	29	16	0	36	3	0	0	9	0	0									
	14	9964	00		514	14	31	40	0	36	3	0	0	9	0	0									
	17	9935	01		512	12	32	08	1	38	3	0	0	9	0	1									
	20	9920	01		514	13	31	40	1	36	3	0	0	9	0	5									
	23	9895	05		511	14	31	80	7	03	3	0	0	8	7					13	58	354		09	503

Results of Surface Observations,
MAWSON – Aug., 1959

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	9884	13		503	11	25	80	3	02	2	3	0	8	7									
	05	9864	13		503	11	29	80	3	02	0	3	0	8	7	0								
	08	9867	15		503	11	31	80	7	03	1	3	0	7	7	7								
	11	9872	17		503	11	31	80	7	16	2	1	5	6	7									
	14	9880	17		00	11	35	08	7	36	2	1	5	6	7									
	17	9896	16		00	11	40	08	8	38	3	8	0	8	7									
	20	9926	15		01	11	45	08	8	36	3	2	0	8	7									
	23	9943	14		02	12	45	00	7	38	3	7	0	7	7					12	65	752		18	05
02	02	9968	15		03	12	39	00	8	38	3	8	0	7	7									
	05	9979	19		02	12	38	16	8	38	3	8	0	7	2									
	08	9973	19		06	12	42	04		38	3													
	11	9973	19		09	11	52	01		38	3													
	14	9976	18		10	11	48	00		39	3													
	17	9974	19		11	11	47	00		39	3													
	20	9995	23		05	11	45	08	8	36	3	8	0	7	2									
	23	10010	24		06	11	41	40	8	02	3	8	0	7	2					11	72	1033		24	13
03	02	10031	23		01	11	33	80	8	02	2	8	0	8	1									
	05	10039	21		01	12	31	80	8	02	2	8	0	8	1									
	08	10051	22		501	12	23	81	7	01	2	7	0	8	1									
	11	10057	21		501	14	13	83	7	02	2	1	0	9	4	8								
	14	10056	19		502	12	12	83	7	02	2	1	0	9	4	8								
	17	10053	18		505	11	15	82	7	02	2	1	0	9	7	8								
	20	10050	17		507	22	07	82	7	02	2	1	0	9	7	8								
	23	10043	13		508	15	17	82	0	01	1	0	0	9	0	0				11	57	1088		26	13
04	02	10030	10		511	15	04	82	0	02	0	0	0	9	0	0								
	05	10022	08		512	00	00	82	1	02	0	1	0	9	0	8								
	08	10015	09		512	00	00	82	1	03	0	1	0	9	4	8								
	11	10011	07		512	26	03	82	7	03	1	7	0	9	7									
	14	10007	09		512	12	14	82	2	01	1	1	5	6	7	0								
	17	10010	06		518	11	26	82	3	01	1	1	5	6	3	8								
	20	10025	04		517	12	26	82	8	03	1	8	0	8	7									
	23	10030	04		517	12	30	81	8	03	2	8	0	7	2					12	41	304		13	04
05	02	10036	02		519	12	30	16	8	70	2	8	0	6	2									
	05	10034	02		514	11	26	04	8	71	7	8	0	5	2									
	08	10032	02		510	11	25	00		73	7													
	11	10034	01		511	13	33	00		38	7													
	14	10036	01		514	13	29	08	7	36	3	7	0	8	7									
	17	10048	500		516	14	24	80	7	03	1	2	5	6	3									
	20	10056	504		519	15	26	82	1	02	1	1	0	8	1	0								
	23	10061	502		519	15	21	82	1	02	0	1	0	8	1	0				11	42	550		04	504
06	02	10055	500		518	15	22	82	1	02	0	1	0	8	1	0								
	05	10062	03		515	15	25	82	1	02	0	1	0	8	1	0								
	08	10070	06		512	15	28	82	1	03	0	1	6	5	4	8								
	11	10089	04		513	15	28	82	3	03	1	1	0	8	4	5								
	14	10131	08		513	18	17	82	8	03	1	1	5	6	4	7								
	17	10144	07		515	15	22	82	1	01	1	1	5	7	4	5								
	20	10158	03		516	15	26	82	1	02	0	0	0	9	0	8								
	23	10170	04		517	14	20	82	2	02	0	0	0	9	0	8				15	47	636		09	503
07	02	10190	04		517	14	18	82	8	03	1	0	0	9	0	7								
	05	10180	06		517	12	26	82	8	02	2	0	0	9	0	7								
	08	10166	08		516	12	23	82	8	03	2	8	0	9	1									
	11	10145	07		515	11	23	82	8	03	2	8	0	5	2	7								
	14	10139	10		515	10	22	83	8	02	2	1	6	6	2									
	17	10105	12		511	10	29	82	8	02	2	1	6	6	2									
	20	10086	13		509	11	25	82	8	02	2	8	0	7	2									
	23	10074	13		505	11	20	80	8	70	2	8	0	6	2					10	39	586		14	03
08	02	10060	13		505	11	18	82	8	02	7	8	0	7	2									
	05	10044	14		505	11	14	82	8	01	2	8	0	7	1	7								
	08	10028	13		505	13	13	82	8	70	7	8	0	7	7									
	11	10005	12		507	12	15	80	8	03	2	2	6	5	7	7								
	14	9996	11		509	00	00	82	7	01	1	1	0	8	7	8								
	17	9980	06		513	17	17	82	1	01	0	1	5	5	7	8								
	20	9941	06		514	10	06	82	1	02	0	0	0	9	0	8								
	23	9919	03		518	14	09	82	1	02	0	0	0	9	0	8				16	34	599		14	03
09	02	9907	04		517	14	06	82	1	02	0	0	0	9	0	8								
	05	9902	03		519	12	16	82	1	02	0	0	0	9	0	8								
	08	9896	01		520	11	23	82	1	02	0	1	0	8	7	8								
	11	9906	501		522	12	17	83	2	03	0	1	5	6	7	5								
	14	9907	01		521	11	23	82	7	03	1	1	0	6	7	6								
	17	9913	501		522	12	26	81	8	03	2	1	6	4	1	7								
	20	9922	00		521	12	28	82	8	02	2	8	0	9	1									
	23	9935	00		519	12	29	82	1	01	1	1	0	9	7	0				12	44	355		05	501

Results of Surface Observations.
MAWSON – Aug, 1959

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	9937	502		521	12	36	80	2	02	0	2	0	8	7	0									
	05	9942	501		522	12	37	40	1	02	3	1	0	8	7	0									
	08	9946	502		520	12	38	24	1	36	3	1	0	8	7	0									
	11	9957	02		521	12	30	40	3	02	3	1	0	8	7	5									
	14	9944	04		522	12	35	40	8	03	3	1	0	8	3	7									
	17	9933	03		519	12	34	40	7	36	3	7	0	9	7										
	20	9895	06		517	11	45	40	8	36	3	8	0	8	1										
	23	9890	11		516	12	43	40	8	02	2	8	0	7	1					11	67	795		13	503
11	02	9887	12		516	12	53	40	8	02	2	8	0	7	2										
	05	9892	11		500	12	50	00	8	38	2	8	0	7	2										
	08	9893	15		509	12	52	00	8	02	3	8	0	7	2										
	11	9899	13		508	11	54	04	8	38	3	8	0	7	2										
	14	9890	15		508	12	58	04	8	02	3	8	0	7	2										
	17	9899	15		511	11	60	80	8	02	2	7	0	8	7	7									
	20	9930	17		512	12	50	80	8	01	2	6	0	8	4	7									
	23	9934	17		515	11	52	80	8	01	2	3	0	8	4	7				11	80	1080		19	10
12	02	9953	16		520	11	50	80	8	01	2	2	0	8	4	7									
	05	9967	18		518	12	48	80	8	02	2	1	0	8	3	7									
	08	9970	20		515	12	40	80	7	01	2	1	0	8	3	6									
	11	9969	18		514	15	25	82	8	03	2	1	0	8	4	7									
	14	9966	19		513	14	24	82	8	02	2	1	0	8	4	7									
	17	9958	20		01	12	22	82	6	01	2	2	0	8	3	8									
	20	9946	18		02	12	28	82	6	02	2	1	0	8	3	8									
	23	9957	13		501	00	00	82	8	02	2	1	0	8	3	7				11	85	1282		21	11
13	02	9954	09		503	17	07	82	8	03	2	2	0	9	7	7									
	05	9947	09		503	09	17	82	2	01	1	1	0	9	3	8									
	08	9951	10		504	10	10	82	2	01	1	2	0	9	3	0									
	11	9961	06		507	10	11	82	5	03	1	4	0	9	7	5									
	14	9967	08		507	13	30	40	3	03	1	1	5	6	7	8									
	17	9994	03		510	15	35	40	2	01	1	1	0	8	4	8									
	20	10002	02		512	15	36	81	1	01	1	0	0	9	0	8									
	23	10007	03		513	15	35	82	1	03	1	1	0	8	3	8				12	73	541		11	02
14	02	10012	02		513	15	33	82	1	02	1	1	0	8	3	8									
	05	10011	03		514	15	26	82	1	02	1	0	0	9	0	8									
	08	10010	02		516	15	23	82	0	02	1	0	0	9	0	0									
	11	10002	04		515	13	15	83	0	02	1	0	0	9	0	0									
	14	9999	02		513	15	14	83	1	03	1	0	0	9	0	1									
	17	9991	00		513	16	03	82	1	02	1	0	0	9	0	8									
	20	9976	00		514	15	11	82	0	02	1	0	0	9	0	0									
	23	9966	01		515	14	17	82	4	03	1	3	0	9	3	8				14	52	714		06	501
15	02	9954	00		514	00	00	82	4	02	1	3	0	9	3	8									
	05	9940	503		517	17	15	82	3	02	1	2	0	9	7	8									
	08	9930	506		518	27	01	82	2	02	1	2	0	9	3	0									
	11	9922	506		518	19	01	84	0	01	0	0	0	9	0	0									
	14	9909	509		518	25	04	84	0	02	0	0	0	9	0	0									
	17	9899	505		517	14	02	84	1	03	0	1	0	9	3	0									
	20	9893	503		519	18	04	84	0	02	0	0	0	9	0	0									
	23	9886	510		526	12	20	82	1	02	0	1	0	9	3	0				11	31	285		00	509
16	02	9887	502		519	12	23	82	3	03	1	3	0	8	7	0									
	05	9899	505		517	10	27	82	8	03	1	8	0	7	2										
	08	9906	507		520	10	25	40	8	03	2	8	0	6	2	2									
	11	9909	504		515	12	26	82	8	02	2	8	0	6	2	2									
	14	9908	507		520	11	18	82	8	02	2	1	5	5	2	2									
	17	9866	507		523	10	36	82	8	03	2	8	0	6	2	2									
	20	9801	505		521	10	50	82	8	03	2	8	0	6	2	2									
	23	9759	503		517	11	50	80	8	02	2	8	0	7	1					11	83	333		501	509
17	02	9705	501		508	11	60	00	8	36	2	8	0	7	1										
	05	9704	01		503	12	50	00		39	3														
	08	9713	02		01	12	42	00		39	3														
	11	9721	06		05	11	40	00		39	3														
	14	9743	09		05	12	30	00		38	3														
	17	9767	10		06	12	30	00		38	3														
	20	9787	08		05	15	30	02		73	7														
	23	9803	09		04	14	32	16	8	36	7	8	0	7	2					11	91	1078		10	502
18	02	9825	11		03	15	30	80	8	02	7	8	0	7	2										
	05	9825	11		501	15	34	80	8	02	2	8	0	7	7										
	08	9832	13		00	20	03	80	8	03	2	7	0	7	7	7									
	11	9843	10		01	00	00	83	7	02	2	1	5	6	7	5									
	14	9838	13		503	13	12	83	4	01	1	2	0	8	3	5									
	17	9845	09		506	00	00	83	2	01	1	1	0	6	4	2									
	20	9838	08		508	13	13	83	0	01	0	0	0	9	0	0									
	23	9843	06		510	13	15	83	1	02	0	1	0	8	3	0				14	47	769		15	06

Results of Surface Observations,
MAWSON – Aug., 1959

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	9843	06		511	12	21	83	1	02	0	1	0	8	3	0									
	05	9845	05		512	13	20	82	7	03	1	7	0	8	6	7									
	08	9845	05		511	13	25	82	7	03	2	1	5	6	5	7									
	11	9852	07		510	13	29	82	8	03	2	6	5	5	5	7									
	14	9859	08		509	13	29	82	8	02	2	6	5	5	5	7									
	17	9868	07		511	12	31	40	8	70	7	8	0	5	5	2									
	20	9869	05		514	12	35	40	8	70	7	8	0	5	5	2									
	23	9868	05		512	12	34	40	8	02	2	8	0	5	2					12	51	374		08	03
20	02	9858	09		508	13	32	80	8	02	2	8	0	5	2	2									
	05	9851	10		508	13	33	80	8	02	2	8	0	6	2	2									
	08	9853	08		511	13	35	80	8	02	2	8	0	5	2	2									
	11	9856	08		512	13	35	40	8	02	2	8	0	4	2	2									
	14	9858	08		512	13	38	40	8	01	2	1	5	5	7	8									
	17	9844	06		512	12	35	40	8	02	2	4	0	7	7	7									
	20	9834	11		509	12	30	80	4	01	1	0	0	9	0	8									
	23	9824	11		510	12	33	80	0	02	1	0	0	9	0	0				12	60	774		13	06
21	02	9807	13		509	12	31	80	0	02	0	0	0	9	0	0									
	05	9797	12		509	12	26	81	8	03	1	2	0	8	1	7									
	08	9790	14		506	13	26	82	8	03	2	5	0	8	7	7									
	11	9800	10		509	00	00	82	8	02	2	2	0	8	1	7									
	14	9796	13		506	00	00	82	8	03	2	4	0	8	3	7									
	17	9793	12		507	12	12	82	8	03	2	3	0	8	3	7									
	20	9790	09		508	18	21	82	8	02	2	2	0	8	7	7									
	23	9783	09		508	00	00	82	8	03	2	7	0	8	1	7				12	49	788		14	08
22	02	9775	06		509	00	00	82	8	02	2	7	0	8	1	7									
	05	9764	06		511	17	23	82	8	03	2	8	0	7	1	7									
	08	9765	06		510	00	00	82	8	02	2	8	0	7	1										
	11	9768	07		510	15	21	82	8	02	2	1	0	9	7	7									
	14	9755	09		507	15	13	82	8	02	2	1	0	9	7	7									
	17	9758	06		511	12	20	82	8	02	2	2	0	9	7	7									
	20	9759	07		512	12	18	82	8	02	2	2	0	9	7	7									
	23	9758	05		513	12	20	82	8	02	2	1	0	9	7	7				17	38	287		10	03
23	02	9760	05		514	12	16	82	8	02	2	1	0	9	7	7									
	05	9759	01		515	12	18	82	8	02	2	1	0	9	7	7									
	08	9766	02		516	13	11	82	8	02	2	1	0	9	7	7									
	11	9768	03		518	13	14	82	8	03	2	1	5	7	5	7									
	14	9768	03		516	00	00	81	8	02	2	3	0	7	7	7									
	17	9774	500		518	12	17	80	8	03	2	1	6	5	7	7									
	20	9790	505		519	00	00	16	8	40	2	1	6	0	7	7									
	23	9802	503		514	18	01	80	8	02	2	8	0	8	7					12	31	429		05	506
24	02	9807	501		518	00	00	80	8	02	2	8	0	8	7										
	05	9811	503		518	00	00	80	8	02	2	8	0	8	1	7									
	08	9825	503		519	16	04	80	7	02	2	7	0	8	7	2									
	11	9834	503		517	00	00	83	8	03	2	1	5	6	7	7									
	14	9840	503		517	00	00	83	8	02	2	1	5	6	3	7									
	17	9849	503		517	00	00	83	7	02	2	1	5	6	5	8									
	20	9846	507		521	00	00	83	4	01	1	1	5	6	5	1									
	23	9849	504		521	12	15	83	5	02	1	2	0	9	7	8				12	27	184		00	507
25	02	9843	508		524	11	19	83	5	02	1	2	0	9	1	8									
	05	9830	509		524	12	30	82	8	03	2	4	0	8	1	7									
	08	9839	509		525	12	26	40	8	03	2	4	5	6	7	7									
	11	9846	509		526	12	25	80	6	02	2	1	5	6	5	2									
	14	9848	507		523	12	17	82	1	01	1	1	0	8	3	0									
	17	9864	511		526	13	16	82	1	01	0	1	5	6	0	2									
	20	9870	514		529	16	15	82	0	02	0	0	0	9	0	0									
	23	9873	514		529	14	16	82	0	02	0	0	0	9	0	0				12	38	320		507	516
26	02	9870	514		529	16	17	82	0	02	0	0	0	9	0	0									
	05	9878	515		530	15	17	82	0	02	0	0	0	9	0	0									
	08	9875	514		529	15	18	82	1	03	0	0	0	9	0	1									
	11	9868	512		527	12	24	82	1	02	0	1	0	7	0	0									
	14	9866	510		525	12	22	82	1	02	0	1	5	6	0	0									
	17	9870	509		525	12	16	82	1	02	0	1	5	6	0	0									
	20	9868	512		528	12	23	82	1	02	0	1	5	6	0	0									
	23	9877	513		529	11	27	82	1	02	0	1	5	6	0	0				11	39	418		509	516
27	02	9884	513		529	11	27	82	2	03	1	1	5	6	1	0									
	05	9900	511		527	11	17	82	2	02	1	1	5	6	7	0									
	08	9921	514		529	13	14	82	0	02	0	0	0	9	0	0									
	11	9930	513		528	15	22	82	0	02	0	0	0	9	0	0									
	14	9950	511		526	18	03	84	0	02	0	0	0	9	0	0									
	17	9959	512		526	17	06	84	1	02	0	0	0	9	0	5									
	20	9973	516		530	14	14	83	1	02	0	0	0	9	0	8									
	23	9994	515		530	13	04	83	1	02	0	0	0	9	0	8				11	39	556		511	516

Results of Surface Observations, MAWSON – Aug., 1959

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	9994	517		533	15	14	83	1	02	0	0	0	9	0	8									
	05	10009	513		530	12	07	83	1	02	0	0	0	9	0	8									
	08	10011	513		529	17	08	83	3	02	1	0	0	9	0	8									
	11	10017	514		530	13	19	81	8	03	1	1	5	6	0	7									
	14	10017	508		525	04	03	82	8	02	2	1	5	6	0	7									
	17	10018	512		527	00	00	82	5	02	2	0	0	9	0	8									
	20	10012	518		531	08	01	82	2	03	1	1	0	8	0	8									
	23	10008	515		530	00	00	82	1	02	1	1	0	8	4	0					29	249		508	518
29	02	9997	516		531	00	00	82	1	02	1	1	0	8	4	0									
	05	9993	517		532	00	00	82	0	02	0	0	0	9	0	0									
	08	9976	518		532	00	00	82	1	02	0	1	0	9	4	8									
	11	9963	516		531	00	00	82	1	02	0	1	5	7	1	8									
	14	9948	511		527	00	00	81	1	02	0	1	0	7	4	0									
	17	9931	514		527	00	00	81	1	02	0	1	0	7	4	0									
	20	9902	515		530	10	16	83	1	02	1	1	0	7	4	0									
	23	9890	513		530	09	15	82	0	02	1	0	0	9	0	0				09	26	173		511	518
30	02	9857	518		533	18	06	82	0	02	1	0	0	9	0	0									
	05	9836	519		533	01	07	82	0	02	1	0	0	9	0	0									
	08	9824	518		533	24	05	82	0	02	1	0	0	9	0	0									
	11	9816	515		532	22	02	82	0	02	1	0	0	9	0	0									
	14	9808	513		531	00	00	83	0	02	1	0	0	9	0	0									
	17	9808	514		530	22	03	83	0	02	1	0	0	9	0	0									
	20	9807	516		532	15	05	83	0	02	1	0	0	9	0	0									
	23	9813	516		533	16	12	83	0	02	1	0	0	9	0	0				17	32	185		511	519
31	02	9809	519		534	15	18	83	0	02	1	0	0	9	0	0									
	05	9803	518		534	15	18	83	0	02	1	0	0	9	0	0									
	08	9803	519		535	00	00	83	0	02	1	0	0	9	0	0									
	11	9803	516		532	15	17	83	0	02	1	0	0	9	0	0									
	14	9798	512		528	14	16	83	0	02	1	0	0	9	0	0									
	17	9800	514		530	26	14	83	0	02	1	0	0	9	0	0									
	20	9795	517		532	19	17	83	0	02	1	0	0	9	0	0									
	23	9784	516		531	18	16	83	0	02	1	0	0	9	0	0				17	39	233		512	519

Results of Surface Observations,
MAWSON – Sep., 1959

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	9776	515		531	15	03	83	0	02	0	0	0	9	0	0									
	05	9747	517		532	05	04	83	0	02	0	0	0	9	0	0									
	08	9726	524		536	00	00	83	1	02	1	1	0	9	3	0									
	11	9693	517		531	00	00	83	1	02	1	0	0	9	9	8									
	14	9661	510		525	12	10	83	1	02	1	0	0	9	0	8									
	17	9643	516		530	12	23	83	2	02	1	1	0	9	3	5									
	20	9625	520		533	14	29	80	2	02	1	1	0	9	4	8									
	23	9624	519		531	14	29	80	1	36	3	1	0	9	4	8				14	54	307		510	524
02	02	9626	520		531	15	25	80	1	36	3	1	0	9	7	8									
	05	9648	519		532	13	27	80	2	36	3	2	0	9	7										
	08	9676	521		534	13	26	02	8	36	3	5	0	6	7	7									
	11	9699	520		533	12	33	04	6	36	3	1	0	9	1	8									
	14	9723	521		534	12	30	04	7	36	3	1	0	9	3	8									
	17	9739	522		535	12	29	16	8	36	3	5	0	8	7	7									
	20	9749	523		537	12	32	80	5	01	3	3	0	6	7	8									
	23	9764	523		539	12	36	80	1	02	0	1	0	6	7	0				13	52	507		519	524
03	02	9773	524		539	12	32	80	1	02	0	1	0	6	7	0									
	05	9786	523		538	12	31	80	1	02	0	1	0	6	7	0									
	08	9804	525		539	12	22	40	1	02	0	1	0	6	7	0									
	11	9817	523		538	12	22	40	1	02	0	0	0	9	0	8									
	14	9827	519		534	12	15	80	8	03	1	1	5	5	7	7									
	17	9839	521		536	12	16	82	6	01	1	1	5	5	7	2									
	20	9849	522		536	12	17	82	4	01	1	1	5	5	7	2									
	23	9863	523		536	13	14	82	2	02	0	1	0	8	7	2				12	50	772		519	527
04	02	9869	527		540	14	22	80	2	02	0	1	0	8	7	2									
	05	9873	525		538	14	16	82	1	02	0	1	0	8	4	8									
	08	9880	523		537	13	14	82	7	03	2	1	5	6	7	2									
	11	9878	523		537	12	25	82	6	03	2	1	5	6	7	2									
	14	9877	519		533	12	26	82	5	02	1	1	0	9	3	8									
	17	9882	519		533	12	30	82	7	03	2	7	0	9	0	6									
	20	9872	517		532	11	32	82	8	03	2	8	0	9	0	7									
	23	9854	515		523	11	41	00	8	38	3	0	0	9	0	7				11	56	443		515	528
05	02	9845	513		519	11	32	00		38	3														
	05	9811	509		516	11	41	00		38	3														
	08	9797	509		513	11	50	00		39	3														
	11	9759	508		513	10	60	00		38	3														
	14	9748	506		510	10	60	00		39	3														
	17	9748	505		509	10	60	00		38	3														
	20	9756	506		510	11	57	00		38	3														
	23	9751	505		509	11	48	00		38	3									10	83	851		505	515
06	02	9713	505		509	11	50	00		38	3														
	05	9700	503		508	11	54	00		38	3														
	08	9725	503		508	11	48	00		38	3														
	11	9722	502		507	11	42	00		38	3														
	14	9734	502		507	10	38	00		38	3														
	17	9755	504		510	11	28	00		73	7														
	20	9754	506		512	11	30	00	8	73	7	8	0	7	7										
	23	9750	508		514	11	25	02	4	70	7	4	0	7	7	0				11	67	1498		502	509
07	02	9747	510		516	11	27	02	1	70	7	1	0	7	3	0									
	05	9741	506		512	13	16	80	0	02	7	0	0	9	0	0									
	08	9746	505		511	00	00	40	8	70	7	8	0	8	2										
	11	9744	506		511	00	00	08	8	71	7	8	0	6	2										
	14	9740	500		506	13	20	01	8	73	7	8	0	5	2										
	17	9748	500		506	13	21	00		73	7														
	20	9769	501		507	13	23	01	2	38	7	2	0	8	3	0									
	23	9790	510		517	16	32	01	2	36	3	2	0	8	7	0				16	42	734		00	511
08	02	9819	513		520	16	32	01	2	36	3	2	0	8	7	0									
	05	9846	514		520	16	32	00	2	38	3	2	0	8	7	0									
	08	9864	512		518	15	34	01	6	38	3	5	0	8	7	1									
	11	9886	506		514	14	17	16	8	36	3	8	0	7	7										
	14	9896	503		511	12	21	32	8	36	3	8	0	7	1										
	17	9910	503		510	12	11	08	8	71	7	8	0	7	2										
	20	9913	503		510	13	10	16	8	36	7	8	0	9	0	7									
	23	9920	510		517	15	14	30	0	01	3	0	0	9	0	0				16	45	564		503	514
09	02	9928	511		518	15	05	82	0	02	0	0	0	9	0	0						*			
	05	9929	512		519	15	21	40	2	36	3	2	0	8	3	0									
	08	9939	505		514	27	05	80	8	03	1	1	5	5	2										
	11	9935	502		511	12	21	80	8	36	3	8	0	7	2	2									
	14	9923	503		509	10	26	02	8	36	3	8	0	6	2	2									
	17	9915	503		508	10	31	01	8	38	3	8	0	6	2										
	20	9890	503		508	12	35	00		38	3														
	23	9864	503		504	13	35	00		39	3									13	52	425		502	512

Results of Surface Observations, MAWSON — Sep., 1959

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	9806	501		502	13	52	00		39	3														
	05	9741	502		501	13	56	00		39	3														
	08	9692	01		00	13	57	00		39	3														
	11	9655	00		01	13	56	00		39	3														
	14	9615	01		502	13	50	00		39	3														
	17	9643	501		503	15	35	00		39	3														
	20	9683	505		508	15	30	00		38	3														
	23	9698	509		516	14	21	02	1	36	3	1	0	8	7	0				13	71	974		02	509
11	02	9695	510		520	15	22	16	1	36	3	1	0	8	7	0									
	05	9717	513		525	00	00	80	1	02	0	1	0	8	7	0									
	08	9718	514		526	22	03	80	0	02	0	0	0	9	0	0									
	11	9728	505		514	24	19	80	0	02	0	0	0	9	0	0									
	14	9752	505		513	24	11	16	1	03	3	0	0	9	0	5									
	17	9790	502		511	23	11	80	1	03	3	0	0	9	0	5									
	20	9825	502		511	21	08	80	4	03	3	0	0	9	0	8									
	23	9858	504		512	27	02	80	8	03	1	0	0	9	0	7				21	41	760		00	515
12	02	9878	503		510	00	00	80	8	02	2	0	0	9	0	7									
	05	9855	02		505	13	27	08	8	38	3	0	0	9	0	7									
	08	9827	00		506	12	40	00		38	3														
	11	9802	03		502	12	48	00		39	3														
	14	9747	04		02	12	52	00		39	3														
	17	9759	03		02	12	55	00		39	3														
	20	9753	02		00	13	50	00		39	3														
	23	9778	03		501	13	40	00		38	3									12	72	356		04	504
13	02	9851	03		505	16	20	02	8	36	3	8	0	8	7										
	05	9879	03		508	16	15	40	8	02	3	4	0	8	7	7									
	08	9878	02		505	15	20	40	8	03	2	8	0	8	7										
	11	9842	03		505	14	21	40	8	03	1	1	0	7	7	7									
	14	9797	06		504	16	16	40	8	03	1	8	0	7	2										
	17	9769	03		503	14	25	24	8	36	3	8	0	7	2										
	20	9791	01		506	25	05	40	8	02	3	8	0	7	7										
	23	9792	500		507	13	07	80	8	02	2	8	0	7	1					14	38	1040		06	502
14	02	9793	502		510	15	12	82	7	01	2	3	0	7	1	8									
	05	9782	509		515	15	17	80	2	36	3	0	0	9	0	8									
	08	9777	510		517	17	18	40	0	36	3	0	0	9	0	0									
	11	9774	507		514	00	00	80	0	02	3	0	0	9	0	0									
	14	9784	509		520	24	06	82	0	02	3	0	0	9	0	0									
	17	9816	507		519	00	00	80	0	05	3	0	0	9	0	0									
	20	9838	507		519	28	02	80	0	05	3	0	0	9	0	0									
	23	9876	507		519	00	00	80	1	03	3	0	0	9	0	5				16	35	359		502	513
15	02	9908	503		515	14	14	80	8	03	1	0	0	9	0	7									
	05	9947	505		517	14	06	81	8	03	2	8	0	8	2										
	08	9968	502		514	12	02	81	8	02	2	8	0	8	2										
	11	9983	04		510	07	03	81	8	02	2	8	0	8	2										
	14	9991	04		508	00	00	80	8	03	2	1	6	4	1										
	17	9975	07		506	12	21	80	8	36	3	1	6	4	2										
	20	9944	04		506	11	25	02	8	71	7	8	0	5	2										
	23	9877	04		505	11	35	02	8	71	7	8	0	5	2					11	52	172		09	512
16	02	9785	10		02	12	45	00	8	38	3	8	0	5	2										
	05	9714	10		02	13	55	00		38	3														
	08	9563	10		02	14	55	00		39	3														
	11	9628	11		02	14	55	00		39	3														
	14	9638	09		02	13	46	00		39	3														
	17	9665	09		01	13	35	00		38	3														
	20	9660	08		501	12	25	00		38	3														
	23	9650	07		00	12	30	00		38	3									14	86	778		11	06
17	02	9651	05		01	13	35	00		38	3														
	05	9637	03		501	13	32	00		39	3														
	08	9630	02		504	13	35	00	8	38	3	8	0	8	7										
	11	9636	02		00	13	42	00		39	3														
	14	9650	04		502	13	40	00	8	38	3	8	0	7	1										
	17	9683	04		504	14	28	01	8	38	3	8	0	7	1										
	20	9695	05		501	13	33	00		38	3														
	23	9717	07		502	13	20	04	8	36	3	8	0	8	1					13	59	990		07	02
18	02	9729	07		506	17	05	08	5	01	3	5	0	8	1										
	05	9738	07		505	16	17	80	8	03	2	8	0	5	2										
	08	9744	09		507	16	17	40	8	03	2	8	0	5	2										
	11	9763	08		507	16	10	40	8	03	2	8	0	4	2										
	14	9769	09		506	15	12	82	8	01	2	8	0	6	7										
	17	9778	07		508	14	19	82	8	01	2	1	5	5	7	7									
	20	9785	05		510	13	25	82	8	03	2	1	5	5	7	7									
	23	9796	02		513	16	21	81	4	01	1	1	5	5	7	0				14	37	669		09	02

Results of Surface Observations,
MAWSON – Sep., 1959

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	9802	03		511	13	30	40	8	36	3	8	0	8	1										
	05	9804	500		513	13	31	16	8	36	3	3	0	8	3	7									
	08	9799	02		513	14	35	40	8	36	3	5	0	8	7	7									
	11	9801	00		511	13	34	16	7	38	3	4	0	8	7	2									
	14	9794	02		511	13	26	40	6	36	3	4	0	8	7	2									
	17	9790	01		513	13	30	16	6	36	3	1	0	8	3	8									
	20	9781	503		517	13	32	08	6	38	3	1	0	8	3	8									
	23	9782	503		517	14	19	80	1	01	3	1	0	8	3	8				14	52	507		04	504
20	02	9773	505		519	14	25	80	3	03	3	0	0	9	0	6									
	05	9775	505		520	16	25	80	3	36	3	0	0	9	0	8									
	08	9776	503		517	15	21	80	1	36	3	0	0	9	7	8									
	11	9775	01		514	14	22	80	1	36	3	0	0	9	0	8									
	14	9780	05		510	12	08	82	7	03	1	7	0	9	7	8									
	17	9782	01		514	25	03	82	3	01	1	2	0	9	3	8									
	20	9786	503		517	13	12	82	7	03	1	3	0	9	3	8									
	23	9786	503		518	16	17	82	3	01	1	3	0	9	3	0				14	41	611		05	506
21	02	9792	508		522	16	16	82	3	02	1	3	0	9	3	0									
	05	9793	507		522	15	23	82	7	03	1	7	0	9	3	0									
	08	9804	506		521	15	22	82	7	36	3	1	5	5	7										
	11	9818	504		519	15	17	81	7	03	3	2	6	4	3	8									
	14	9837	504		519	15	16	80	6	01	1	2	6	4	3	8									
	17	9848	506		520	17	11	80	8	03	7	2	6	4	7										
	20	9851	510		523	17	15	80	8	03	2	8	0	6	7	2									
	23	9849	513		526	16	21	40	8	02	2	8	0	6	2					15	38	369		504	513
22	02	9843	512		526	15	17	40	2	01	1	2	0	7	1	0									
	05	9835	514		527	14	22	24	8	36	1	8	0	7	1	4									
	08	9827	517		531	16	26	40	6	36	3	2	0	7	4	2									
	11	9808	511		522	14	31	16	1	36	3	0	0	9	0	8									
	14	9791	509		520	12	29	80	1	36	3	0	0	9	0	8									
	17	9790	510		521	12	28	80	1	36	3	0	0	9	0	8									
	20	9795	516		526	14	26	80	1	36	3	0	0	9	0	8									
	23	9803	515		525	13	27	80	1	36	3	1	5	6	0	0				12	45	418		509	517
23	02	9810	517		527	15	26	80	1	36	3	1	5	6	0	0									
	05	9825	515		526	14	26	80	1	36	3	1	5	6	0	0									
	08	9843	515		526	14	16	80	2	36	3	2	0	6	7	0									
	11	9861	512		524	00	00	83	3	01	1	1	1	4	7	0									
	14	9869	507		519	07	02	83	1	02	0	1	1	4	0	0									
	17	9879	512		523	27	04	83	1	02	0	1	1	4	0	0									
	20	9885	517		525	00	00	83	1	02	0	1	4	4	0	0									
	23	9895	518		529	15	17	83	0	02	0	0	0	9	0	0				16	44	639		506	518
24	02	9905	517		529	16	25	83	1	02	0	1	0	9	3	0									
	05	9917	517		529	15	23	82	1	02	0	1	0	9	1	0									
	08	9931	519		531	16	28	83	0	02	0	0	0	9	0	0									
	11	9948	514		527	16	23	80	0	02	0	0	0	9	0	0									
	14	9966	508		521	16	09	83	1	03	0	1	0	9	7	0									
	17	9975	514		526	23	09	83	5	03	1	1	0	9	7	6									
	20	9978	515		527	16	17	83	7	01	2	1	0	9	1	8									
	23	9979	515		526	12	25	83	8	36	2	8	0	8	1					16	41	301		508	519
25	02	9976	513		525	11	20	83	2	01	1	2	0	8	1	0									
	05	9978	514		526	15	21	82	8	03	1	2	6	5	1										
	08	9991	513		526	15	17	82	7	01	2	0	0	9	0	8									
	11	10000	507		520	10	15	82	7	02	2	1	0	9	3	8									
	14	10011	507		519	28	03	83	4	02	1	0	0	9	0	8									
	17	10026	508		522	25	03	84	3	02	1	1	0	9	4	2									
	20	10033	511		522	00	00	84	3	02	1	1	0	9	3	8									
	23	10036	511		523	25	03	82	5	03	1	3	0	8	7	8				11	34	423		504	514
26	02	10038	510		522	27	03	82	6	03	1	6	0	8	7	0									
	05	10029	511		523	00	00	82	8	02	2	8	0	8	1										
	08	10022	512		523	00	00	82	8	02	2	1	6	6	1										
	11	10023	507		519	23	05	82	8	02	2	1	6	6	1										
	14	10010	01		514	09	17	82	8	03	2	1	6	6	2										
	17	9988	01		512	05	23	81	8	02	2	1	6	5	2										
	20	9970	04		508	05	11	40	8	15	2	8	0	5	2										
	23	9959	11		502	10	22	24	8	36	3	8	0	5	2					11	41	192		11	513
27	02	9935	11		500	12	35	08	9	38	3	8	0	5	2										
	05	9903	09		00	14	43	00		38	3														
	08	9877	09		00	14	52	00		38	3														
	11	9843	10		02	14	58	00		38	3														
	14	9797	11		06	14	60	00		39	3														
	17	9786	12		07	15	66	00		39	3														
	20	9777	12		10	15	64	00		39	3														
	23	9783	12		11	13	60	00		39	3									14	93	681		13	09

Results of Surface Observations,
MAWSON – Sep., 1959

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	9794	11		10	13	62	00		39	3														
	05	9809	11		10	13	60	00		39	3														
	08	9823	11		10	13	56	00		39	3														
	11	9840	11		09	12	47	00		39	3														
	14	9841	13		11	12	43	00		39	3														
	17	9849	12		10	12	40	00		39	3														
	20	9835	13		11	12	40	00		39	3														
	23	9842	16		03	13	40	02	8	36	3	8	0	6	7					13	75	1574		16	11
29	02	9854	17		01	13	36	04	8	02	3	8	0	6	7										
	05	9847	20		04	14	30	24	8	02	2	8	0	6	7										
	08	9848	13		02	14	40	04	6	36	3	6	0	7	4	0									
	11	9847	15		01	14	30	16	1	36	3	1	0	7	7	8									
	14	9842	19		04	12	23	80	6	03	3	1	1	5	0	1									
	17	9819	19		04	15	33	16	1	01	3	1	1	2	0	1									
	20	9875	17		02	00	00	40	2	03	1	1	4	2	0	1									
	23	9864	13		00	14	47	40	1	02	1	0	0	9	0	1				14	77	1100		21	12
30	02	9866	15		502	14	54	24	2	02	1	1	0	8	3	1									
	05	9880	14		503	14	56	24	6	03	2	2	0	8	5	8									
	08	9904	15		502	14	51	24	4	02	2	4	0	8	4	0									
	11	9925	16		502	14	52	24	4	02	2	4	0	8	4	0									
	14	9954	16		502	14	49	40	5	02	2	5	0	8	4	0									
	17	9980	17		502	14	39	80	2	02	1	2	0	8	3	0									
	20	10010	15		504	13	28	82	1	02	0	0	0	9	0	5									
	23	10014	19		00	13	25	82	0	02	0	0	0	9	0	0				14	87	932		18	12

Results of Surface Observations,
MAWSON – Oct, 1959

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	10017	13		504	14	21	82	0	02	0	0	0	9	0	0									
	05	10009	12		506	16	19	82	1	02	0	1	5	5	0	0									
	08	9998	11		507	14	22	82	0	02	0	0	0	9	0	0									
	11	9993	14		504	28	07	83	0	02	0	0	0	9	0	0									
	14	9981	15		503	19	02	83	0	02	0	0	0	9	0	0									
	17	9966	14		502	24	03	83	0	02	0	0	0	9	0	0									
	20	9958	11		504	00	00	83	0	02	0	0	0	9	0	0									
	23	9971	07		510	31	01	83	0	02	0	0	0	9	0	0				14	42	831		16	07
02	02	9978	05		513	17	04	83	0	02	0	0	0	9	0	0									
	05	9972	07		515	17	04	83	1	02	0	1	5	5	0	0									
	08	9981	10		514	15	11	84	1	02	0	1	5	5	0	0									
	11	9983	11		509	15	18	83	1	02	0	1	1	4	0	0									
	14	9990	14		506	13	17	83	1	02	0	1	8	4	0	0									
	17	10002	13		504	10	11	83	1	02	0	1	5	4	0	0									
	20	10013	04		509	15	14	84	0	02	0	0	0	9	0	0									
	23	10026	02		511	10	09	83	0	02	0	0	0	9	0	0				12	32	118		14	01
03	02	10029	01		512	13	17	83	0	02	0	0	0	9	0	0									
	05	10030	501		513	12	03	83	0	02	0	0	0	9	0	0									
	08	10029	02		511	15	12	83	0	02	0	0	0	9	0	0									
	11	10024	08		512	15	03	83	0	02	0	0	0	9	0	0									
	14	10017	06		511	32	01	84	1	02	0	1	4	4	0	4									
	17	10014	07		511	00	00	84	1	02	0	1	4	4	0	4									
	20	10009	02		512	00	00	83	1	03	0	0	0	9	0	4									
	23	10000	502		516	00	00	83	1	02	0	0	0	9	0	4				13	24	347		09	503
04	02	9990	504		518	00	00	83	1	02	0	0	0	9	0	4									
	05	9989	507		520	00	00	83	0	02	0	0	0	9	0	0									
	08	9964	01		517	15	25	83	1	02	0	0	0	9	0	8									
	11	9958	07		511	15	02	84	1	02	0	1	5	4	0	8									
	14	9948	04		512	00	00	84	2	02	0	1	8	5	0	8									
	17	9939	04		512	00	00	84	2	02	0	1	8	5	0	8									
	20	9926	502		515	00	00	84	2	02	0	1	5	4	0	8									
	23	9926	03		515	00	00	84	2	02	0	1	5	4	0	8				14	39	127		07	507
05	02	9933	01		517	13	20	84	1	02	0	1	5	4	0	0									
	05	9951	00		518	15	21	84	0	02	0	0	0	9	0	0									
	08	9964	01		518	16	25	84	1	02	0	1	5	5	0	0									
	11	9992	07		515	12	24	84	1	02	0	1	5	5	0	0									
	14	9994	08		512	12	19	84	1	02	0	1	5	5	0	0									
	17	10005	06		513	08	13	84	0	02	0	0	0	9	0	0									
	20	10023	00		516	00	00	84	1	02	0	0	0	9	0	5									
	23	10016	504		518	09	01	83	0	02	0	0	0	9	0	0				13	47	258		08	504
06	02	10010	501		518	15	10	83	0	02	0	0	0	9	0	0									
	05	10015	01		517	27	03	83	1	02	0	0	0	9	0	8									
	08	10007	05		515	15	17	83	1	02	0	0	0	9	0	8									
	11	10006	10		511	13	19	83	2	02	0	0	0	9	0	8									
	14	10001	14		507	13	16	83	1	02	0	0	0	9	0	8									
	17	9988	14		507	14	16	84	2	03	0	1	5	6	0	5									
	20	9983	07		513	14	22	83	3	03	1	1	5	6	4	5									
	23	9967	03		515	16	17	83	4	00	1	1	5	6	7	5				14	35	359		14	502
07	02	9958	03		517	16	12	83	4	00	1	1	5	6	0	8									
	05	9931	02		518	17	04	83	6	03	1	1	5	6	0	6									
	08	9913	02		517	00	00	84	7	02	2	1	5	6	0	8									
	11	9900	03		513	00	00	84	7	02	2	1	5	6	0	8									
	14	9877	03		513	25	02	84	8	02	2	1	5	6	0	7									
	17	9862	04		511	27	01	84	8	02	2	1	5	6	0	7									
	20	9841	501		514	00	00	84	8	02	2	1	5	6	0	7									
	23	9839	501		514	00	00	84	8	02	2	1	5	6	0	7				18	21	352		06	502
08	02	9827	503		521	09	05	84	8	02	2	1	5	6	0	7									
	05	9825	02		517	17	04	84	8	02	2	1	5	6	0	7									
	08	9813	04		516	13	23	83	8	03	2	1	5	6	1										
	11	9810	09		511	13	18	40	8	02	2	1	5	6	1										
	14	9799	11		507	13	26	80	8	02	2	1	5	6	1	6									
	17	9798	12		508	10	16	80	8	01	2	1	5	6	1	6									
	20	9785	09		511	13	27	82	8	03	2	1	5	6	1										
	23	9773	10		511	13	30	82	8	02	2	1	5	5	1					13	43	124		12	501
09	02	9771	10		511	14	23	82	8	02	2	1	5	5	1										
	05	9739	10		511	13	31	82	8	02	2	1	5	5	1										
	08	9714	10		511	13	48	80	8	36	2	1	5	4	2										
	11	9699	11		504	14	52	02	8	38	3	1	5	4	2	8									
	14	9668	11		503	14	54	00		38	3														
	17	9657	13		500	14	52	00		38	3														
	20	9612	12		01	14	56	00		38	3														
	23	9601	13		03	14	52	00		38	3									14	85	685		14	09

Results of Surface Observations,
MAWSON — Oct., 1959

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	9576	16		04	14	50	01	8	38	3														
	05	9554	15		06	14	54	01	8	38	3														
	08	9544	20		08	15	55	16	8	02	3	9													
	11	9532	19		04	15	50	40	8	02	2	8	0	5	2										
	14	9571	15		07	14	52	00		39	3		0	5	2										
	17	9605	15		07	12	47	00		39	3														
	20	9650	15		07	12	30	00	8	38	3	6	5	6	4	7									
	23	9654	15		04	14	38	01	8	38	3	4	5	6	7	8				14	89	1342		21	13
11	02	9679	15		04	14	38	01	8	38	3	3	5	6	7										
	05	9697	17		501	14	40	80	7	01	3	1	5	6	9	2									
	08	9715	19		503	14	33	40	7	15	2	7	0	6	7	2									
	11	9724	20		504	14	26	82	7	01	1	5	0	7	7										
	14	9730	20		504	14	24	82	7	02	2	4	0	7	7	8									
	17	9734	17		504	14	18	82	7	03	2	7	0	5	7										
	20	9733	13		509	14	19	80	8	03	2	8	0	6	7										
	23	9740	09		514	14	23	80	7	01	2	7	0	8	3					14	55	1181		20	09
12	02	9734	08		517	14	26	80	0	01	0	0	0	9	0										
	05	9731	05		519	14	28	80	1	01	0	1	0	9	4	0									
	08	9726	09		517	14	29	83	7	03	2	1	5	5	7	9									
	11	9721	09		511	13	30	82	6	03	2	1	5	5	7	7									
	14	9733	11		509	12	22	81	7	03	2	1	5	5	7	7									
	17	9729	11		509	12	22	40	7	02	2	1	5	5	7	4									
	20	9740	09		509	13	15	82	7	01	2	1	5	5	7	4									
	23	9744	06		514	13	20	82	5	02	1	1	5	5	4	0				14	47	636		11	05
13	02	9751	04		516	13	22	82	2	02	0	1	5	6	3	0									
	05	9754	05		516	14	19	83	1	02	0	1	5	6	0	0									
	08	9761	04		517	14	22	83	1	02	0	1	5	6	0	0									
	11	9764	10		510	15	13	84	0	02	0	0	0	9	0	0									
	14	9772	10		510	00	00	84	0	02	0	0	0	9	0	0									
	17	9772	08		508	26	06	84	0	02	0	0	0	9	0	0									
	20	9778	06		509	00	00	84	0	02	0	0	0	9	0	0									
	23	9774	07		511	24	01	84	0	02	0	0	0	9	0	0				14	36	567		11	03
14	02	9784	02		513	00	00	84	0	02	0	0	0	9	0	0									
	05	9801	04		513	04	06	83	2	03	0	1	0	9	0	0									
	08	9815	09		509	20	08	82	1	01	0	0	0	9	0	8									
	11	9828	10		505	23	09	84	1	02	0	0	0	9	0	8									
	14	9849	25		00	14	01	84	1	03	0	0	0	9	0	5									
	17	9858	25		03	14	17	82	3	03	1	2	0	9	0	6									
	20	9874	21		505	05	11	80	8	03	2	2	0	9	0	7									
	23	9887	17		507	12	25	80	8	02	2	8	0	8	7	7				10	38	213		25	02
15	02	9902	14		508	17	22	82	3	01	2	3	0	8	4	8									
	05	9898	15		509	15	19	82	2	01	0	1	0	8	4	8									
	08	9900	15		505	15	17	82	7	03	1	1	0	8	7	6									
	11	9908	18		505	00	00	82	7	03	2	1	0	8	4	9									
	14	9898	19		502	24	01	84	7	03	1	1	0	8	4	4									
	17	9888	17		502	21	01	84	1	01	1	0	0	9	0	8									
	20	9875	14		504	00	00	84	0	02	0	0	0	9	0	0									
	23	9862	14		507	16	28	84	0	02	0	0	0	9	0	0				15	53	354		20	11
16	02	9856	13		508	16	31	84	0	02	0	0	0	9	0	0									
	05	9869	11		508	16	35	83	0	02	0	0	0	9	0	0									
	08	9903	14		507	17	34	83	0	02	0	0	0	9	0	0									
	11	9945	17		502	23	09	83	0	02	0	0	0	9	0	0									
	14	9977	17		502	24	09	83	2	02	1	0	0	9	0	0									
	17	9996	24		500	00	00	83	3	03	1	2	0	9	0	5									
	20	10019	20		500	14	08	82	7	03	2	4	0	8	0	6									
	23	10050	18		503	13	10	82	6	02	2		0	8	3	8				16	56	374		24	11
17	02	10073	18		502	15	19	82	7	02	2	6	0	8	3										
	05	10083	16		503	16	06	83	7	03	2	4	0	8	3	8									
	08	10087	18		501	00	00	83	7	03	2	6	0	8	3	8									
	11	10093	18		503	09	09	82	8	03	2	8	0	6	7										
	14	10094	17		501	05	09	82	8	02	2	8	0	6	2										
	17	10071	14		501	08	19	80	8	03	2	8	0	5	2										
	20	10056	11		00	07	16	16	8	73	2	8	0	5	2										
	23	10029	09		503	10	16	08	8	73	7	8	0	5	2					07	27	275		19	09
18	02	9999	08		505	12	25	08	8	73	7	8	0	5	2										
	05	9983	09		505	13	16	16	8	71	7	8	0	5	2										
	08	9959	09		505	14	19	80	7	01	7	8	0	7	3										
	11	9941	13		502	13	14	81	2	01	1	7	0	8	3										
	14	9928	17		502	11	05	80	7	03	1	2	5	5	7	0									
	17	9916	13		502	25	01	40	7	70	2	1	0	5	7										
	20	9912	13		501	36	01	40	7	70	7	7	0	5	2										
	23	9909	13		501	00	00	40	8	02	7	8	0	6	2					12	33	410		17	08

Results of Surface Observations,
MAWSON – Oct., 1959

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	9896	11		504	11	08	40	8	01	2	8	0	6	7										
	05	9881	07		508	15	14	80	7	01	2	7	0	6	3										
	08	9875	09		508	13	18	81	7	02	2	7	0	6	3										
	11	9869	10		505	13	21	81	3	36	3	1	5	5	7	0									
	14	9855	15		502	13	14	83	4	03	3	1	5	5	3	0									
	17	9846	15		500	09	09	81	7	03	2	1	5	5	7										
	20	9837	13		502	12	17	82	7	02	2	1	5	5	7										
	23	9835	12		503	13	20	80	8	36	3	8	0	6	7					14	33	246		15	07
20	02	9836	12		504	15	17	80	8	02	3	8	0	6	7										
	05	9831	08		506	17	23	80	8	36	3	8	0	6	7										
	08	9835	07		506	17	22	80	7	36	3	7	0	7	7										
	11	9834	10		504	16	23	80	7	36	3	6	0	7	7	1									
	14	9831	17		503	00	00	83	8	01	3	2	0	7	3	7									
	17	9831	18		501	00	00	83	7	02	2	1	5	7	0	8									
	20	9831	10		507	14	22	83	3	02	1	0	0	9	0	8									
	23	9829	08		509	14	21	81	0	01	0	0	0	9	0	0				16	39	458		18	07
21	02	9822	07		510	15	21	81	0	02	0	0	0	9	0	0									
	05	9822	05		511	16	19	80	1	03	0	1	0	7	3	8									
	08	9826	09		507	14	22	80	0	02	0	0	0	9	0	0									
	11	9827	13		505	13	19	82	0	02	0	0	0	9	0	0									
	14	9832	17		502	10	09	83	0	02	0	0	0	9	0	0									
	17	9837	14		502	23	03	83	0	02	0	0	0	9	0	0									
	20	9845	12		504	14	08	83	0	02	0	0	0	9	0	0									
	23	9846	03		513	16	27	83	0	02	0	0	0	9	0	0				14	38	423		19	03
22	02	9856	01		514	16	30	83	0	02	0	0	0	9	0	0									
	05	9863	01		514	16	25	83	6	36	1	1	0	8	4	5									
	08	9864	08		511	16	16	83	8	03	2	8	0	7	7										
	11	9846	07		507	22	03	82	6	01	2	5	0	7	7	2									
	14	9828	10		507	26	01	82	7	01	2	7	0	6	7										
	17	9809	10		506	26	01	82	7	03	2	1	6	2	7										
	20	9797	08		506	28	01	82	6	03	1	2	0	7	7	6									
	23	9793	08		509	17	25	82	0	01	1	0	0	9	0	0				16	43	411		10	00
23	02	9808	04		511	16	35	82	0	36	3	0	0	9	0	0									
	05	9826	05		510	04	05	82	1	03	3	1	0	9	4	8									
	08	9847	06		510	00	00	82	1	02	0	0	0	9	0	8									
	11	9859	07		508	26	01	82	1	02	0	0	0	9	0	8									
	14	9847	13		507	32	01	82	2	01	1	0	0	9	0	8									
	17	9847	11		504	25	03	82	5	03	1	0	0	9	0	6									
	20	9825	12		505	14	24	82	8	02	2	0	0	9	0	7									
	23	9800	09		507	14	25	82	8	03	2	0	0	9	0	7				16	63	276		13	03
24	02	9754	10		506	12	47	40	8	36	3	0	0	9	0	7									
	05	9722	09		504	12	44	24	8	38	3	0	0	9	0	7									
	08	9689	09		501	13	45	00		39	3														
	11	9672	10		504	12	50	00		39	3														
	14	9680	09		04	13	55	00		39	3														
	17	9701	11		00	13	50	02	8	38	3	8	0	6	7										
	20	9732	10		02	13	40	01		38	3														
	23	9710	09		01	14	50	00		38	3									13	72	552		11	07
25	02	9719	08		00	14	48	00		38	3														
	05	9711	10		501	14	48	08	8	38	3	6	0	8	7	8									
	08	9707	13		502	15	44	40	6	36	3	3	0	8	4	2									
	11	9700	15		00	15	41	80	5	01	3	2	0	8	4	2									
	14	9658	17		501	15	39	81	6	02	2	2	0	8	4	8									
	17	9681	17		501	15	45	40	7	03	2	3	0	8	3	8									
	20	9680	17		501	14	49	40	8	03	2	7	0	8	3	7									
	23	9686	17		502	13	49	40	7	02	2	7	0	7	7					14	72	1246		17	08
26	02	9702	17		502	13	44	80	7	02	2	7	0	7	7										
	05	9739	17		503	15	24	81	7	02	2	7	0	7	7										
	08	9746	17		505	14	26	81	7	01	2	5	0	8	3	8									
	11	9764	16		504	14	25	82	6	03	1	4	0	7	3	1									
	14	9771	23		00	13	09	82	2	01	1	1	0	8	3	1									
	17	9782	19		00	36	04	82	1	02	0	1	5	5	0	8									
	20	9783	16		501	00	00	82	3	03	1	1	8	5	4	8									
	23	9786	09		504	16	09	82	0	02	0	1	0	9	0	0				13	68	1011		23	08
27	02	9792	06		506	16	14	82	1	02	0	1	5	5	0	0									
	05	9794	04		509	00	00	82	8	02	2	1	0	7	4	7									
	08	9798	07		507	00	00	82	8	03	2	2	0	7	3	7									
	11	9799	14		503	27	02	82	7	03	2	2	0	6	7										
	14	9800	13		502	00	00	81	8	02	2	1	5	5	2										
	17	9812	13		502	05	01	40	8	70	7	1	5	5	2										
	20	9815	11		504	06	01	80	8	02	7	1	8	5	2										
	23	9825	10		504	13	01	80	8	02	2	8	0	6	2					16	24	256		14	03

Results of Surface Observations,
MAWSON – Oct., 1959

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	9830	09		505	13	01	80	8	02	2	8	0	6	2										
	05	9833	06		511	13	17	40	8	03	2	1	6	2	2										
	08	9838	07		511	13	17	82	8	03	2	8	0	5	7										
	11	9844	10		509	12	11	82	8	03	2	8	0	5	2										
	14	9844	12		508	10	11	81	8	02	2	8	0	5	2										
	17	9836	11		508	11	14	81	8	02	7	8	0	5	2										
	20	9828	09		509	12	19	81	8	02	2	8	0	6	2										
	23	9820	08		507	12	21	80	8	02	2	8	0	5	2					12	29	202		12	06
29	02	9819	08		508	13	15	81	8	15	2	1	6	2	7										
	05	9815	06		511	14	15	82	7	01	2	2	0	6	3	8									
	08	9818	04		514	14	26	83	7	02	2	1	0	8	4	6									
	11	9824	08		511	13	21	83	4	01	1	1	0	8	3	2									
	14	9833	11		510	12	19	83	1	01	1	1	0	9	3	0									
	17	9842	11		511	10	10	83	1	02	0	1	0	9	3	0									
	20	9847	06		512	12	15	83	3	02	0	3	0	9	3	0									
	23	9853	01		517	13	27	82	2	02	0	2	0	8	3	0				14	39	444		11	00
30	02	9861	00		517	13	26	82	7	03	1	7	0	7	7										
	05	9859	01		518	14	31	81	7	02	2	7	0	7	3										
	08	9859	03		518	14	27	81	3	01	1	3	0	7	3	0									
	11	9859	11		508	09	09	81	6	03	1	6	0	7	3	0									
	14	9861	16		504	14	12	81	7	03	2	7	0	6	7										
	17	9863	15		505	12	16	81	8	02	2	8	0	7	3										
	20	9861	13		507	13	27	81	7	02	2	7	0	7	3										
	23	9873	09		510	13	26	81	6	02	2	6	0	7	3					14	46	610		16	00
31	02	9884	12		507	15	28	81	8	02	2	8	0	6	2										
	05	9887	13		505	15	22	81	8	02	2	1	5	5	2										
	08	9910	14		504	15	16	81	8	03	2	8	0	5	7										
	11	9918	17		502	13	13	82	7	01	2	7	0	5	7										
	14	9931	18		00	27	05	82	7	01	2	7	0	5	7										
	17	9941	19		01	27	08	83	6	01	2	6	0	7	3										
	20	9948	18		02	12	07	83	3	01	1	3	0	9	3	0									
	23	9959	11		506	13	16	82	7	03	1	1	6	6	3	0				14	43	527		19	10

Results of Surface Observations,
MAWSON – Nov., 1959

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	9965	12		506	13	11	82	8	03	2	1	6	6	3	3									
	05	9959	09		508	15	11	82	5	02	1	1	6	6	3	3	0								
	08	9955	13		507	14	06	82	7	03	2	1	7	0	8	3									
	11	9940	14		505	26	01	82	7	02	2	7	7	0	8	3									
	14	9926	16		504	27	01	82	7	02	2	7	7	0	8	3									
	17	9918	16		503	25	01	83	7	01	2	2	2	0	8	3	8								
	20	9908	15		502	23	01	82	8	03	2	1	8	5	7	1	8								
	23	9906	13		00	14	08	40	8	70	2	8	8	0	7	2				14	20	298		17	09
02	02	9906	09		504	15	20	40	8	02	7	8	8	0	5	2									
	05	9905	10		503	13	20	16	8	70	7	7	6	0	4	2	7								
	08	9910	12		00	13	18	08	8	71	7	8	8	0	5	2									
	11	9909	15		01	12	18	16	8	71	7	7	8	0	5	2									
	14	9913	17		04	12	17	08	8	71	7	7	8	0	5	2									
	17	9917	17		03	12	11	16	8	71	7	7	8	0	5	2									
	20	9924	15		00	13	11	40	7	01	7	7	7	0	5	7									
	23	9930	11		503	14	16	40	4	01	1	3	3	0	7	7	8			15	33	242		17	09
03	02	9930	08		508	14	16	80	4	02	1	3	5	0	7	7	8								
	05	9927	10		507	14	16	80	6	03	1	1	5	0	7	7	1								
	08	9924	14		504	17	10	80	4	02	1	1	1	0	8	3	9								
	11	9915	13		503	00	00	83	4	02	1	1	3	0	9	3	1								
	14	9899	15		502	26	02	83	3	02	1	1	2	0	9	7	1								
	17	9876	19		02	27	01	83	1	01	1	1	1	0	9	7	1								
	20	9858	19		04	00	00	82	1	02	0	0	0	0	9	7	8								
	23	9839	10		503	09	02	82	0	02	0	0	0	0	9	0	0			15	26	423		19	08
04	02	9839	08		506	16	20	82	0	02	0	0	0	0	9	0	0								
	05	9805	07		507	16	21	82	0	02	0	0	0	0	9	0	0								
	08	9780	11		504	16	20	83	0	02	0	0	0	0	9	0	0								
	11	9748	18		02	24	10	83	0	02	0	0	0	0	9	0	0								
	14	9730	16		02	27	02	82	0	02	0	0	0	0	9	0	0								
	17	9714	19		04	00	00	82	0	02	0	0	0	0	9	0	0								
	20	9696	17		05	00	00	81	0	05	0	0	0	0	9	0	0								
	23	9689	15		502	15	22	83	0	02	0	0	0	0	9	0	0			16	38	231		23	07
05	02	9693	13		505	15	24	83	0	02	0	0	0	0	9	0	0								
	05	9701	12		505	15	24	84	0	02	0	0	0	0	9	0	0								
	08	9714	19		01	14	17	83	0	02	0	0	0	0	9	0	0								
	11	9727	24		04	14	20	82	1	02	0	0	0	0	9	0	8								
	14	9758	24		05	32	01	83	1	02	0	0	0	0	9	0	1								
	17	9771	24		08	25	01	83	7	03	2	5	0	0	8	3	5								
	20	9801	21		05	13	13	84	2	02	0	0	1	0	9	0	1								
	23	9828	15		501	13	20	83	2	02	0	1	5	7	0	1				15	38	341		27	12
06	02	9854	13		503	15	11	83	7	03	1	1	5	7	7	6									
	05	9872	14		502	14	18	82	8	03	2	1	5	7	7	6									
	08	9883	17		01	13	20	82	8	02	2	1	5	6	7	8									
	11	9898	22		05	12	14	83	7	01	2	1	5	7	3	8									
	14	9910	27		07	12	07	83	7	01	2	6	0	6	3	8									
	17	9914	30		08	12	01	83	2	01	1	1	5	7	3	8									
	20	9917	22		06	19	01	83	1	02	0	1	5	7	0	0									
	23	9913	17		02	15	07	83	0	02	0	0	0	9	0	0				13	34	389		30	13
07	02	9907	13		00	17	01	83	0	02	0	0	0	9	0	8									
	05	9885	11		508	17	21	83	1	02	0	0	0	9	0	8									
	08	9861	12		506	17	40	83	4	03	1	0	0	9	0	6									
	11	9870	23		03	14	22	83	8	03	2	0	0	9	0	7									
	14	9873	29		05	13	09	83	7	02	2	0	0	9	0	6									
	17	9873	21		05	27	09	83	5	02	2	3	0	9	3	8									
	20	9865	19		04	00	00	83	7	03	2	7	0	8	3										
	23	9853	17		04	00	00	83	8	02	2	6	0	8	3	8				15	60	319		29	08
08	02	9843	15		502	16	08	82	8	01	2	1	0	8	3	7									
	05	9832	12		506	17	14	82	8	02	2	1	0	8	3	7									
	08	9819	15		503	35	01	82	7	01	2	1	0	8	3	8									
	11	9808	21		03	00	00	83	6	01	2	1	0	8	3	8									
	14	9795	19		03	00	00	82	7	02	2	1	0	8	3	8									
	17	9785	20		05	26	01	81	6	05	2	1	0	7	3	8									
	20	9777	18		02	24	01	81	1	05	1	1	5	7	0	1									
	23	9795	15		00	00	00	82	0	02	0	0	5	9	0	0				17	25	283		21	12
09	02	9817	11		508	17	31	82	0	02	0	0	0	9	0	0									
	05	9854	07		512	17	35	82	0	02	0	0	0	9	0	0									
	08	9890	14		507	28	04	83	1	03	0	0	0	9	0	5									
	11	9917	18		503	32	01	83	4	03	0	0	0	9	0	6									
	14	9939	18		501	27	06	83	2	01	0	0	0	9	0	8									
	17	9954	19		00	27	06	81	8	05	1	0	0	9	0	7									
	20	9965	18		501	26	01	82	8	03	1	8	0	7	1										
	23	9975	18		02	24	03	82	8	02	2	8	0	7	1					17	60	296		19	07

Results of Surface Observations,
MAWSON – Nov., 1959

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	9978	17		00	00	00	82	8	02	2	8	0	8	7										
	05	9972	16		01	21	01	82	8	01	2	8	0	7	7										
	08	9967	17		00	00	00	82	8	01	2	6	0	8	7	7									
	11	9956	19		00	00	00	82	8	02	2	2	0	8	7	7									
	14	9924	21		01	31	01	82	7	03	1	6	0	8	7	1									
	17	9906	21		05	25	01	82	8	02	2	8	0	8	7										
	20	9891	20		05	00	00	82	8	02	2	8	0	8	7										
	23	9888	19		04	00	00	82	8	02	2	8	0	8	7					03	16	146		21	16
11	02	9875	22		04	16	20	82	8	02	2	8	0	8	7										
	05	9862	21		02	15	16	81	8	03	2	8	0	7	2										
	08	9848	21		01	12	22	81	8	03	2	8	0	4	2										
	11	9834	23		05	12	17	81	8	02	2	2	6	5	2										
	14	9818	25		05	07	11	81	8	02	2	8	0	4	2										
	17	9803	22		08	07	13	16	8	71	7	8	0	2	2										
	20	9794	20		08	08	13	08	8	71	7	8	0	2	2										
	23	9777	19		08	12	23	08	8	71	7	8	0	2	2					12	36	203		25	19
12	02	9769	20		09	12	23	08	8	71	7	8	0	2	2										
	05	9764	19		08	12	25	08	8	71	7	8	0	2	2										
	08	9766	20		07	12	26	24	8	71	7	8	0	3	2										
	11	9761	21		07	12	24	24	8	71	7	8	0	3	2										
	14	9765	21		09	12	27	08	8	71	7	8	0	2	2										
	17	9770	19		07	11	28	04	8	72	7	8	0	2	2										
	20	9782	17		07	11	30	04	8	72	7	8	0	2	2										
	23	9780	16		04	13	40	04	8	38	7	8	0	3	2					12	49	529		21	16
13	02	9780	17		04	13	34	08	8	38	3	8	0	3	2										
	05	9779	17		03	13	30	16	8	36	3	8	0	3	2										
	08	9785	18		04	13	25	08	8	36	3	8	0	2	2										
	11	9779	20		05	13	23	16	8	36	3	8	0	3	2										
	14	9778	23		07	13	21	08	8	71	7	8	0	2	2										
	17	9779	21		08	03	08	04	8	71	7	8	0	2	2										
	20	9779	18		07	36	01	16	8	71	7	5	7	4	2										
	23	9780	17		07	22	01	16	8	71	7	2	7	4	2	8				13	45	784		23	16
14	02	9778	15		00	13	11	40	7	01	7	7	0	6	7										
	05	9765	14		502	13	18	82	7	03	1	1	5	4	7	6									
	08	9761	18		00	13	17	82	7	03	2	1	0	8	1	9									
	11	9757	24		03	13	11	82	3	01	1	1	8	4	1	9									
	14	9755	28		05	11	14	82	5	03	1	3	0	9	3	9									
	17	9740	27		05	10	07	82	7	03	2	7	0	6	7										
	20	9745	22		04	11	10	80	7	15	2	7	0	6	7										
	23	9735	18		00	12	20	40	8	03	7	8	0	6	7					13	31	396		28	14
15	02	9720	17		00	13	32	40	8	36	3	8	0	5	7										
	05	9711	17		02	14	31	81	8	36	3	8	0	5	7										
	08	9687	18		03	14	28	80	8	36	3	1	7	4	7										
	11	9686	19		07	14	31	40	8	36	3	8	0	6	7										
	14	9686	20		12	11	33	08		38	3														
	17	9687	20		12	14	28	24	8	37	3	8	0	6	7										
	20	9687	19		07	13	28	80	8	36	3	8	0	5	7										
	23	9699	17		05	14	28	40	8	38	3	7	0	5	7	8				14	49	498		21	16
16	02	9702	17		07	14	31	40	8	38	3	7	0	5	7	8									
	05	9708	18		05	15	30	80	8	36	3	8	0	6	7	7									
	08	9724	20		04	15	21	81	7	36	3	3	0	6	7	8									
	11	9720	25		13	15	24	81	7	36	3	3	0	8	7	8									
	14	9727	27		08	14	22	82	4	01	1	1	1	6	0	8									
	17	9736	27		13	14	19	83	5	02	2	1	8	5	0	8									
	20	9740	23		10	15	14	83	3	02	1	1	8	5	0	1									
	23	9750	17		04	00	00	83	1	02	0	0	0	9	0	1				15	49	760		27	17
17	02	9747	15		01	17	16	83	0	01	0	0	0	9	0	0									
	05	9731	11		501	17	23	83	0	02	0	0	0	9	0	0									
	08	9725	17		02	17	15	83	0	02	0	0	0	9	0	0									
	11	9714	24		07	12	08	83	0	02	0	0	0	9	0	0									
	14	9708	22		07	27	01	83	0	02	0	0	0	9	0	0									
	17	9704	23		07	26	01	83	0	02	0	0	0	9	0	0									
	20	9714	22		09	26	01	83	0	02	0	0	0	9	0	0									
	23	9726	17		03	16	17	83	0	02	0	0	0	9	0	0				17	34	427		24	11
18	02	9741	11		503	17	26	83	0	02	0	0	0	9	0	0									
	05	9766	13		501	17	22	83	1	03	0	0	0	9	0	5									
	08	9796	15		04	27	01	83	3	03	0	0	0	9	0	1									
	11	9813	18		06	27	04	82	7	03	1	0	0	9	0	6									
	14	9829	22		09	27	02	82	8	03	2	8	0	6	1										
	17	9827	21		08	27	01	82	8	03	2	8	0	7	2										
	20	9816	23		07	11	12	82	8	03	2	8	0	6	2										
	23	9802	19		14	09	11	16	8	71	7	8	0	5	2					17	44	306		23	11

Results of Surface Observations,
MAWSON – Nov., 1959

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	9765	18		15	12	31	04	8	38	7	8	0	0	5	2									
	05	9758	18		14	13	31	04	8	38	3	8	0	0	5	2									
	08	9771	18		12	13	31	04	7	38	3	7	0	0	5	7									
	11	9787	22		12	13	25	01	1	01	3	1	0	0	5	3	0								
	14	9796	25		11	13	23	02	3	03	1	1	1	1	5	4									
	17	9777	24		11	13	22	02	3	03	1	1	1	1	5	4									
	20	9747	18		06	14	23	02	8	03	1	2	1	0	7	4									
	23	9692	15		09	13	37	08	8	38	3	3	0	0	7	4				14	64	452		25	15
20	02	9655	15		10	14	35	08	8	38	x	3	0	0	7	4	7								
	05	9637	20		06	16	38	24	8	36	3	4	0	0	5	4	7								
	08	9625	23		03	15	38	40	8	03	3	8	0	0	5	7									
	11	9616	25		04	15	38	80	8	36	3	8	0	0	5	7									
	14	9618	27		06	15	33	82	7	01	3	4	0	0	7	7	8								
	17	9615	28		09	15	23	82	7	02	2	3	0	0	9	4	8								
	20	9607	22		05	14	22	82	8	02	2	1	0	0	9	4	7			15	60	813		28	15
	23	9603	19		00	14	26	82	8	02	2	3	0	0	9	4	7								
21	02	9598	19		503	15	26	82	8	02	2	4	0	0	9	4	7								
	05	9602	18		504	15	31	82	8	02	2	4	0	3	7	3	7								
	08	9601	20		501	16	25	82	6	02	2	1	5	0	9	3	8								
	11	9606	23		03	15	25	83	3	01	1	1	0	0	9	3	5								
	14	9616	26		06	14	25	83	2	02	1	1	0	0	9	3	1								
	17	9623	26		05	14	21	83	2	02	1	1	5	4	6	0	1								
	20	9635	23		02	14	22	83	2	02	1	1	4	6	8	3	1			15	50	712		26	18
	23	9661	19		501	16	22	83	5	03	1	4	0	8	8	3	1								
22	02	9681	18		00	15	21	82	7	02	2	7	0	7	7	7									
	05	9694	21		02	14	23	82	7	02	2	7	0	7	7	7									
	08	9706	22		02	14	31	82	7	02	2	7	0	7	7	7	8								
	11	9724	26		06	14	20	82	7	02	2	7	0	7	7	7									
	14	9748	29		08	14	16	82	6	01	2	6	0	7	7	7	0								
	17	9764	29		09	08	03	82	7	02	2	7	0	7	7	7									
	20	9771	27		06	13	13	82	2	01	1	1	5	7	7	3	0								
	23	9787	20		01	16	18	83	1	02	0	1	0	8	3		0			14	45	609		30	17
23	02	9794	14		505	17	25	83	1	02	0	1	0	8	3	0	0								
	05	9797	13		506	17	23	83	0	02	0	0	0	9	0	0	0								
	08	9793	19		503	17	14	83	0	02	0	0	0	9	0	0	0								
	11	9793	25		501	13	12	83	1	03	0	0	0	9	0	0	5								
	14	9788	29		01	12	10	83	6	03	0	0	0	9	0	0	8								
	17	9790	29		03	09	09	83	6	02	2	0	0	9	0	0	8								
	20	9784	24		03	14	10	83	6	02	2	0	0	9	0	3	7			17	35	419		29	13
	23	9785	15		503	14	23	83	8	03	2	3	0	9	3	3	7								
24	02	9784	13		506	15	23	83	8	02	2	1	5	6	6	3	7								
	05	9778	15		504	15	20	83	7	02	2	1	5	5	6	3	8								
	08	9774	22		01	13	17	83	6	01	2	1	5	5	5	4	8								
	11	9775	25		15	34	02	82	7	03	2	1	5	5	5	9									
	14	9771	31		20	09	02	81	7	70	2	1	5	5	5	7	7								
	17	9773	27		19	07	11	80	7	15	7	1	5	5	4	7	7								
	20	9769	26		18	11	06	80	8	03	7	1	6	0	8	7				15	33	433		31	13
	23	9774	25		14	14	10	82	8	02	2	0	0	8	8	7	0								
25	02	9774	21		08	15	21	82	3	01	1	3	0	8	3	3	0								
	05	9775	17		04	17	20	83	2	02	0	2	0	9	3	3	0								
	08	9775	19		06	17	22	83	1	01	0	1	0	9	3	3	0								
	11	9776	26		09	15	15	83	1	02	0	1	0	9	3	0	0								
	14	9784	30		09	09	04	83	0	02	0	0	0	9	5	4	0								
	17	9787	29		14	05	05	83	1	03	0	1	0	1	8	4	8								
	20	9798	27		15	09	04	83	2	02	0	1	1	8	5	3	0			17	36	347		30	17
	23	9809	19		06	15	17	83	2	02	1	2	1	8	5	0	0								
26	02	9818	16		03	16	20	83	2	02	1	2	8	5	5	0	0								
	05	9825	16		05	16	20	83	4	02	1	4	8	5	5	0	0								
	08	9828	17		00	15	26	83	3	02	1	3	8	5	5	0	0								
	11	9834	22		06	15	20	83	3	02	1	2	8	5	5	0	0								
	14	9839	25		08	12	16	83	3	02	1	2	8	5	5	0	0								
	17	9833	26		10	09	09	83	3	02	1	2	8	5	5	0	0								
	20	9832	21		07	14	16	83	3	14	1	2	8	5	5	0	0			15	45	390		26	14
	23	9816	19		02	15	31	83	2	02	1	1	5	5	6	0	0								
27	02	9802	15		00	15	32	83	2	02	1	1	5	6	6	0	8								
	05	9784	19		00	15	32	83	1	02	1	1	5	6	6	3	8								
	08	9774	21		04	14	29	83	3	01	1	1	5	5	6	4	8								
	11	9767	25		10	14	24	82	7	03	1	1	5	5	6	3									
	14	9758	27		13	14	16	81	8	15	2	1	0	5	5	2									
	17	9742	29		13	13	07	82	7	01	2	1	5	5	7	7									
	20	9726	25		13	28	02	82	7	01	2	4	0	7	7	7	8			15	51	611		29	15
	23	9710	18		03	17	20	82	6	02	2	3	0	8											

Results of Surface Observations,
MAWSON – Nov., 1959

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	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
28	02	9695	11		503	17	26	83	3	01	1	2	0	9	3	8									
	05	9679	10		504	17	23	83	2	02	0	1	0	7	3	1									
	08	9677	21		501	13	04	83	4	03	1	1	5	6	3	8									
	11	9687	23		01	07	02	83	6	03	2	1	5	6	3	1									
	14	9705	25		05	00	00	83	6	02	2	1	4	5	3	1									
	17	9724	27		09	03	04	83	3	03	1	3	0	8	3	1									
	20	9753	24		11	07	07	82	7	03	2	7	0	7	3										
	23	9783	24		13	06	06	82	8	02	2	8	0	7	3					17	38	445		27	10
29	02	9821	19		09	14	17	82	6	02	2	6	0	7	3	0									
	05	9860	19		07	14	18	82	7	03	2	5	8	5	0	0									
	08	9890	21		06	15	24	82	7	03	2	1	5	6	3										
	11	9918	25		11	15	19	82	6	02	2	6	0	7	3	0									
	14	9949	26		14	14	10	40	7	70	7	7	0	4	2										
	17	9968	27		14	13	13	80	8	14	7	2	5	5	7										
	20	9988	26		14	14	10	82	7	02	2	1	5	5	7										
	23	9997	20		09	15	17	83	1	01	1	1	5	5	4	5				15	31	251		27	19
30	02	10009	18		05	16	13	83	1	01	0	1	5	5	4	5									
	05	9998	18		02	17	19	82	8	03	1	1	0	9	4	7									
	08	9985	20		04	14	25	82	8	03	2	1	5	5	1										
	11	9973	25		10	14	17	82	8	02	2	8	0	9	7										
	14	9954	27		11	12	17	82	8	02	3	8	0	7	1										
	17	9934	27		13	09	07	08	8	15	2	8	0	2	2										
	20	9922	25		14	11	04	80	8	01	7	4	0	5	2	8									
	23	9889	23		13	13	16	82	8	02	2	8	0	7	2					15	39	443		27	16

Results of Surface Observations,
MAWSON — Dec., 1959

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	9873	22		10	14	19	82	8	02	2	8	0	7	2										
	05	9868	23		10	15	18	82	8	02	2	8	0	7	2										
	08	9853	28		12	15	17	82	7	01	2	1	0	8	1	8									
	11	9849	33		15	14	14	82	7	02	2	1	0	9	3	2									
	14	9841	37		17	12	09	83	1	02	0	0	0	9	0	1									
	17	9836	33		16	26	03	83	0	02	0	0	0	9	0	1									
	20	9830	33		17	23	01	83	0	02	0	0	0	9	0	0									
	23	9828	27		12	15	17	83	0	02	0	0	0	9	0	0				15	31	464		39	22
02	02	9816	21		06	16	23	83	0	02	0	0	0	9	0	0									
	05	9812	23		06	15	14	83	1	02	0	0	0	9	0	8									
	08	9807	25		08	13	22	83	1	02	0	0	0	9	0	8									
	11	9808	31		12	14	14	83	2	02	0	0	0	9	0	8									
	14	9815	30		14	00	00	83	1	02	0	0	0	9	0	8									
	17	9815	33		15	10	10	83	3	03	1	0	0	9	0	1									
	20	9827	30		15	13	08	83	1	02	0	0	0	9	0	8									
	23	9840	23		08	15	21	83	1	02	0	0	0	9	0	8				14	34	349		33	21
03	02	9840	21		03	15	30	83	2	02	0	1	5	7	0	8									
	05	9846	20		01	15	28	83	3	03	0	1	8	7	0	5									
	08	9847	22		03	15	29	83	7	03	1	1	5	7	0	6									
	11	9862	25		10	14	25	83	8	03	2	7	5	7	0	6									
	14	9869	25		11	13	30	83	7	02	2	7	8	5	0	6									
	17	9886	28		13	13	23	83	7	01	1	3	8	5	0	6									
	20	9886	24		10	15	19	83	5	02	1	4	0	7	9	6									
	23	9887	23		07	15	29	83	7	03	2	7	5	6						15	45	498		28	20
04	02	9882	23		06	15	30	83	8	02	2	5	5	6	0	6									
	05	9875	25		07	15	31	83	8	02	2	7	5	6	0	6									
	08	9876	26		11	14	31	82	8	02	2	7	0	5	7	6									
	11	9872	28		13	14	31	82	8	03	2	1	5	6	7										
	14	9871	29		13	15	28	82	7	01	2	1	5	6	7	6									
	17	9866	31		14	14	25	83	6	01	2	1	5	5	3	6									
	20	9858	27		11	14	27	83	7	02	2	1	5	5	3										
	23	9857	26		05	14	31	83	5	01	2	1	5	5	3	0				14	52	697		31	23
05	02	9845	24		07	14	30	83	1	01	1	1	5	5	0	0									
	05	9841	23		06	14	31	83	4	03	0	2	5	5	4	0									
	08	9838	25		09	14	25	82	7	03	1	1	5	5	7	0									
	11	9837	29		15	13	20	82	7	03	2	7	0	5	7	0									
	14	9843	30		15	14	23	82	7	02	2	7	0	5	7	0									
	17	9854	30		17	13	17	80	6	03	2	8	0	5	2										
	20	9864	29		15	14	17	82	7	01	2	7	0	5	7										
	23	9879	26		11	15	23	82	8	02	2	8	0	5	7					14	47	739		30	23
06	02	9890	24		09	15	25	82	8	02	2	2	5	5	7										
	05	9892	25		09	15	25	82	6	01	2	1	5	5	7										
	08	9890	26		10	15	25	82	6	02	2	1	5	5	3	0									
	11	9890	31		15	14	17	82	7	02	2	1	5	5	3	0									
	14	9886	34		18	11	14	82	4	01	1	1	5	5	3	0									
	17	9872	34		21	07	04	82	1	01	0	1	1	6	3	0									
	20	9864	30		16	13	19	82	3	02	1	1	4	6	3	0									
	23	9856	27		13	15	22	82	2	02	0	2	0	6	7	0				15	38	614		35	24
07	02	9844	27		12	15	27	82	3	02	1	3	0	6	7	0									
	05	9842	28		12	14	28	83	7	03	2	6	0	6	7	5									
	08	9847	30		17	14	26	82	8	03	2	8	0	6	7										
	11	9850	33		20	13	25	82	7	02	2	7	0	7	7										
	14	9858	36		21	13	27	82	7	01	2	2	5	6	7										
	17	9873	37		21	13	20	82	6	01	2	2	8	5	7										
	20	9881	34		22	09	10	82	8	03	2	1	4	5	7										
	23	9894	32		20	14	19	82	8	02	2	8	0	5	7					15	45	552		37	27
08	02	9904	31		19	15	19	82	8	02	2	8	0	6	7										
	05	9910	31		18	13	23	82	8	02	2	8	0	5	7										
	08	9923	33		20	14	22	82	7	01	2	7	0	5	7										
	11	9934	36		21	13	14	82	7	03	2	7	0	6	7										
	14	9934	39		22	15	15	82	3	01	1	1	5	5	4	0									
	17	9934	40		23	13	12	82	6	03	1	1	5	6	3	0									
	20	9936	35		22	15	11	83	1	01	0	1	5	6	3	0									
	23	9937	33		18	16	17	83	0	02	0	0	0	9	0	0				14	36	611		40	31
09	02	9942	27		13	15	25	83	0	02	0	0	0	9	0	0									
	05	9951	27		10	15	25	83	0	02	0	0	0	9	0	0									
	08	9952	31		14	15	22	83	0	02	0	0	0	9	0	0									
	11	9952	35		19	15	16	83	1	02	0	0	0	9	0	5									
	14	9960	37		22	09	01	83	1	02	0	0	0	9	0	5									
	17	9959	34		21	25	01	83	2	03	1	0	0	9	0	6									
	20	9951	34		21	00	00	83	2	02	1	0	0	9	0	8									
	23	9947	33		20	00	00	83	1	02	0	0	0	9	0	8				15	36	481		38	36

Results of Surface Observations,
MAWSON – Dec., 1959

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	9938	28		13	15	18	83	1	02		0	0	9	0	8									
	05	9933	28		12	16	10	83	1	02		0	0	9	0	1									
	08	9925	32		12	16	14	83	0	02		0	0	9	0	0									
	11	9917	36		18	14	11	83	0	02		0	0	9	0	0									
	14	9911	32		19	26	03	83	0	02		0	0	9	0	0									
	17	9896	34		22	27	01	83	0	02		0	0	9	0	0									
	20	9894	33		24	00	00	83	0	02		0	0	9	0	0									
	23	9881	31		18	16	15	83	0	02		0	0	9	0	0				15	26	254		37	28
11	02	9869	25		10	17	25	83	0	02		0	0	9	0	0									
	05	9862	27		11	17	17	83	0	02		0	0	9	0	0									
	08	9858	30		11	00	00	83	0	02		0	0	9	0	0									
	11	9841	31		17	29	03	83	0	02		0	0	9	0	0									
	14	9838	31		18	26	02	83	1	03		0	0	9	0	8									
	17	9831	33		20	27	01	83	1	03		0	0	9	3	8									
	20	9825	30		21	32	01	83	1	03		1	5	9	3	8									
	23	9826	29		21	00	00	83	1	02		1	0	9	3	8				17	37	248		33	24
12	02	9820	25		13	15	20	83	5	03	1	1	0	9	3	8									
	05	9817	24		10	14	22	83	7	03	2	1	5	5	3	9									
	08	9815	27		13	14	19	83	6	02	2	1	5	5	3	9									
	11	9822	32		18	13	17	83	7	03	2	1	5	6	7	8									
	14	9829	33		21	13	15	83	7	02	2	5	0	9	7	8									
	17	9835	33		22	11	17	82	7	02	2	1	4	4	7	8									
	20	9844	30		21	11	15	82	7	02	2	2	8	4	7	8									
	23	9856	27		17	15	21	82	7	02	2	2	8	4	2	8				15	38	248		33	24
13	02	9864	24		14	15	26	82	8	03	2	8	0	6	7										
	05	9864	25		15	14	28	81	7	02	2	7	0	4	7										
	08	9864	27		16	13	23	81	8	15	2	1	5	5	7										
	11	9866	30		19	13	19	81	8	02	2	1	5	5	7	8									
	14	9861	31		19	10	16	81	8	02	2	1	1	5	7	8									
	17	9850	31		19	11	11	82	8	02	2	1	1	5	7	8									
	20	9841	33		21	11	05	82	7	01	2	1	8	6	3	8									
	23	9851	27		14	15	19	82	6	02	2	6	0	7	3	0				15	39	585		33	24
14	02	9831	26		13	15	21	82	6	02	2	6	0	7	3	0									
	05	9827	25		13	15	19	83	7	02	2	6	0	7	3	8									
	08	9829	28		13	15	16	83	8	03	2	2	5	6	7										
	11	9831	33		17	15	13	83	7	02	2	1	5	6	3	9									
	14	9836	35		17	00	00	83	7	03	2	1	5	5	7	9									
	17	9850	31		18	28	01	82	7	02	2	2	5	6	7										
	20	9846	31		17	00	00	82	7	02	2	1	5	6	7										
	23	9846	29		22	29	01	82	6	02	2	1	5	6	7	0				15	31	465		35	25
15	02	9853	29		21	00	00	82	6	02	2	1	5	6	7	0									
	05	9859	28		19	13	06	81	7	03	2	1	5	6	7										
	08	9858	30		21	12	08	81	8	15	2	1	6	2	7										
	11	9856	32		23	09	06	80	8	15	2	3	8	5	7										
	14	9844	34		26	09	01	16	6	71	7	2	8	4	7	0									
	17	9842	33		23	00	00	80	8	03	7	5	8	4	7										
	20	9836	32		23	09	02	40	7	15	7	1	8	5	7										
	23	9844	28		16	15	19	83	7	02	7	7	0	6	7					15	31	146		34	26
16	02	9852	27		14	15	19	83	7	02	2	7	0	5	7										
	05	9856	28		14	15	17	83	7	02	2	7	0	7	7										
	08	9874	28		16	14	17	83	8	03	2	1	5	6	7										
	11	9882	32		20	13	14	82	8	01	2	1	8	6	7										
	14	9889	34		22	11	13	80	8	15	7	1	7	4	7										
	17	9895	34		28	06	03	40	8	70	7	4	7	2	7										
	20	9898	31		29	04	02	12	8	71	7	1	7	2	7										
	23	9895	28		23	00	00	80	8	01	7	4	0	7	3	7				18	35	322		34	26
17	02	9894	27		17	00	00	82	8	02	2	3	0	7	3	7									
	05	9892	25		10	15	21	83	8	01	2	1	0	7	4	7									
	08	9890	32		15	15	11	83	4	03	1	1	0	7	3	8									
	11	9886	34		20	14	12	82	8	03	1	7	0	7	7	8									
	14	9885	37		21	34	04	81	8	02	2	1	6	3	1										
	17	9884	33		22	26	01	81	8	01	2	1	8	2	3	9									
	20	9879	35		21	00	00	81	8	15	1	2	8	2	3	9									
	23	9878	33		23	19	04	82	8	02	3	1	0	8	3	7				15	31	267		37	25
18	02	9878	29		19	17	11	83	8	02	2	1	0	8	3	7									
	05	9868	27		14	18	15	83	8	02	2	1	0	8	4	7									
	08	9866	28		14	15	16	83	8	02	2	0	0	9	0	7									
	11	9861	34		19	00	00	83	8	02	2	1	0	9	1	7									
	14	9863	31		19	26	03	84	7	02	2	0	0	9	0	7									
	17	9868	32		20	25	01	84	6	01	2	0	0	9	0	8									
	20	9875	32		21	25	01	84	2	02	1	0	0	9	0	8									
	23	9880	32		20	00	00	84	1	02	0	0	0	9	0	8				16	30	250		35	27

Results of Surface Observations,
MAWSON – Dec., 1959

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	9887	27		16	15	10	84	1	02	0	0	0	9	0	8									
	05	9894	27		12	15	17	84	1	02	0	0	0	9	0	8									
	08	9907	26		12	15	23	84	1	02	0	0	0	9	0	1									
	11	9917	32		18	15	13	84	1	02	0	1	1	5	5	0									
	14	9935	36		22	09	10	83	7	03	1	1	1	5	5	3									
	17	9948	36		24	08	07	82	7	03	2	1	1	8	5	3									
	20	9964	33		25	05	05	82	7	02	2	1	1	5	5	3									
	23	9978	31		19	15	17	82	7	02	2	1	1	5	5	3				15	37	238		36	25
20	02	9995	24		13	15	21	82	1	01	1	1	1	5	5	0	9								
	05	9995	24		14	14	17	82	7	03	1	1	1	5	5	3									
	08	9975	31		15	16	18	82	7	02	2	1	1	5	5	3									
	11	9963	34		19	15	16	83	7	02	2	1	1	5	5	3									
	14	9956	37		22	04	03	83	4	01	2	2	2	8	4	3	9								
	17	9940	34		22	26	02	83	3	02	0	2	2	8	5	3	1								
	20	9936	34		22	00	00	83	3	02	0	2	2	8	5	3	1								
	23	9925	34		23	16	01	84	0	01	0	0	0	9	9	0	0			16	34	420		39	23
21	02	9928	29		15	16	14	84	0	02	0	0	0	9	9	0	0								
	05	9940	27		13	17	17	84	0	02	0	0	0	9	9	0	0								
	08	9957	29		15	17	15	84	1	02	0	1	0	7	8	0	0								
	11	9970	36		20	16	04	84	1	02	0	1	1	5	6	0	0								
	14	9991	37		23	11	11	84	1	02	0	1	1	5	6	0	0								
	17	10001	36		25	10	09	83	3	03	1	1	1	8	5	3	0								
	20	10017	34		24	10	05	81	7	03	2	1	1	8	2	3	0			17	29	286		37	26
	23	10022	30		20	15	12	82	6	02	2	6	0	8	3	0									
22	02	10028	30		20	16	11	83	6	02	2	6	0	8	3	0									
	05	10026	31		16	15	14	83	7	02	2	7	0	7	3	0									
	08	10028	29		16	17	20	83	6	02	2	5	0	7	3	0									
	11	10015	38		20	17	13	84	1	01	1	1	0	7	4	0									
	14	9999	41		25	15	07	84	2	02	0	0	0	9	0	8									
	17	9984	42		25	15	10	84	2	02	0	0	0	9	0	8									
	20	9981	37		22	15	14	84	3	03	1	0	0	9	0	4									
	23	9972	35		20	15	23	84	3	02	1	1	0	7	4	4				15	33	320		42	29
23	02	9966	32		18	15	23	84	2	03	1	2	5	5	4	0									
	05	9961	32		20	14	17	83	7	03	1	1	5	5	2										
	08	9960	33		21	15	15	81	8	03	7	1	5	4	2										
	11	9953	33		23	14	23	80	8	15	7	1	5	4	2										
	14	9955	35		24	15	22	80	8	14	7	1	5	4	7										
	17	9951	36		25	15	14	82	8	02	2	8	0	5	7										
	20	9950	35		25	15	14	82	8	02	2	8	0	5	7										
	23	9953	33		23	14	11	82	8	03	2	8	0	5	7					15	35	437		36	32
24	02	9951	30		21	15	14	82	8	02	2	7	5	5	7										
	05	9942	31		20	15	13	83	8	02	2	7	5	5	7										
	08	9942	34		23	14	11	83	7	01	2	7	5	7											
	11	9941	38		25	08	01	83	7	03	2	7	5	7	1										
	14	9941	42		27	13	01	82	7	01	2	3	8	5	3										
	17	9941	41		25	08	01	83	7	03	2	1	9	5	7										
	20	9939	36		27	27	01	83	7	02	2	1	8	5	7										
	23	9943	35		27	14	07	82	8	02	2	8	0	5	2					15	21	441		42	30
25	02	9943	33		25	14	07	81	8	70	2	8	0	5	2										
	05	9947	33		25	15	07	81	8	15	2	8	0	5	7										
	08	9950	35		22	14	11	81	8	15	2	8	0	5	7										
	11	9957	39		25	10	03	81	8	02	2	8	0	5	7										
	14	9959	38		25	00	00	83	7	01	2	7	0	5	7										
	17	9965	41		29	00	00	83	5	01	1	5	0	7	7										
	20	9971	38		25	00	00	83	1	01	0	1	0	8	7	0									
	23	9973	33		26	00	00	83	1	02	0	1	0	8	3	0				15	16	164		41	32
26	02	9974	29		24	00	00	83	0	02	0	0	0	9	0	0									
	05	9975	28		16	16	11	84	1	02	0	1	5	4	3	0									
	08	9977	28		20	32	01	84	1	02	0	1	5	5	0	0									
	11	9977	31		22	33	01	84	1	02	0	1	5	5	0	0									
	14	9988	38		27	00	00	84	1	02	0	1	5	5	0	0									
	17	9988	35		25	30	01	84	1	02	0	1	5	6	0	0									
	20	9998	35		24	09	01	84	1	03	0	1	0	8	3	0									
	23	10015	32		23	00	00	83	7	03	2	1	5	6	3	0				16	17	097		38	28
27	02	10020	31		20	00	00	83	8	03	2	1	5	6	7										
	05	10022	28		17	14	20	83	8	02	2	1	5	6	7										
	08	10022	26		15	14	31	82	8	02	2	3	5	5	2										
	11	10017	32		22	14	22	82	8	02	2	3	5	5	2										
	14	10004	34		23	13	23	82	8	03	2	4	5	4	2										
	17	9996	35		23	12	21	82	8	02	2	3	5	5	7										
	20	9988	34		23	13	23	82	8	02	2	1	5	5	3										
	23	9975	30		19	14	29	83	7	02	2	7	0	8	3					14	44	185		35	26

Results of Surface Observations,
MAWSON — Dec., 1959

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	9956	30		19	14	31	83	5	15	1	1	8	5	3	0									
	05	9945	31		21	13	31	83	7	03	7	1	8	5	5	9									
	08	9919	33		21	13	36	82	7	03	1	3	8	5	5	2									
	11	9886	32		24	14	41	82	8	03	2	1	8	5	5	7									
	14	9848	31		26	14	48	16	8	38	3	8	0	5	5	2									
	17	9808	29		28	14	56	00		38	3														
	20	9770	27		26	13	58	00		39	3														
	23	9764	30		26	14	55	02	7	37	3	1	7	4	7	9				14	74	701		33	27
29	02	9764	29		28	14	50	00		75	7														
	05	9728	29		28	14	55	00		75	7														
	08	9741	30		26	14	45	02	8	72	7	8	0	5	7										
	11	9765	35		28	12	36	80	8	01	7	1	7	4	7	8									
	14	9784	35		32	13	30	04	8	75	7	8	0	5	2										
	17	9806	36		31	13	28	16	8	71	7	8	0	5	2										
	20	9822	35		29	13	29	24	7	70	7	1	7	5	7										
	23	9848	34		28	14	28	82	8	01	7	3	8	4	7	8				14	74	1326		36	28
30	02	9872	34		28	15	23	81	8	02	7	3	5	5	3	8									
	05	9879	34		27	15	27	81	7	02	2	2	5	5	3	0									
	08	9880	36		26	15	32	82	5	15	2	2	5	6	3	8									
	11	9896	39		28	15	38	82	5	02	2	3	5	6	4	8									
	14	9904	39		28	15	35	82	6	03	2	1	7	4	3	9									
	17	9906	38		28	14	30	82	7	15	2	2	7	4	3	8									
	20	9897	37		26	14	39	82	8	70	7	2	7	4	7										
	23	9863	36		27	14	36	82	8	02	2	2	8	5	7					14	54	808		39	34
31	02	9845	35		27	14	39	82	8	02	2	2	8	5	7										
	05	9812	35		24	15	44	82	7	01	2	1	8	5	7	8									
	08	9797	37		24	16	44	83	7	02	2	1	5	5	5										
	11	9782	39		25	16	38	83	8	03	2	8	0	6	7										
	14	9762	40		25	16	38	83	8	01	1	1	5	5	9	7									
	17	9748	38		25	15	40	82	8	36	2	1	5	5	7										
	20	9743	36		24	14	34	82	8	02	2	1	8	5	7	7									
	23	9738	35		22	15	40	82	8	02	2	3	0	8	7					15	75	972		40	34

Results of Surface Observations,
TAYLOR – May, June, 1959

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
29	05																								
	11																								
	17	10051	05			16	19	74	8	70	2	1	5	5	2										
	23	10070	07			16	17	74	8	02	2	1	5	5	2										
30	05	10077	07			16	19	74	8	02	2	1	5	5	2		8								
	11	10059	05			16	21	80	7	01	1	1	5	5	7	8	8								
	17	10101	02			16	31	80	7	01	2	1	5	5	7	8	8								
	23	10088	00			16	19	84	1	01	1	1	5	5			8								
31	05	10082	501			16	17	87	0	02	0	0													
	11	10071	503			16	06	87	0	02	0	0													
	17	10075	505			16	14	87	0	02	0	0													
	23	10081	509			20	03	87	0	02	0	0													
01	05	10076	508			20	06	87	0	02	0	0													
	11	10082	509			20	06	87	1	03	0	0													
	17	10082	510			10	10	87	7	03	1	0	0	9	7	8		6							
	23	10079	511			10	08	87	0	01	1	0													
02	05	10078	512			00	00	87	0	02	0	0													
	11	10100	512			16	08	87	0	02	0	0													
	17	10116	516			00	00	87	0	02	0	0													
	23	10130	521			18	05	87	0	02	0	0											214		
03	05	10123	519			18	07	87	0	02	0	0													
	11	10120	519			16	05	87	0	02	0	0													
	17	10095	519			16	05	87	0	02	0	0													
	23	10069	511			00	00	84	0	02	0	0											130		
04	05	10029	505			10	12	87	0	02	0	0													
	11	10087	507			16	13	87	0	02	0	0													
	17	10101	502			16	05	87	0	02	0	0													
	23	10117	05			11	12	74	8	03	1	0	0	9	2			2					178		
05	05	10106	08			11	12	74	8	77	2	0	0	9	2			2							
	11	10099	09			11	05	16	8	77	7	1	5	4	2			2							
	17	10089	07			11	12	58	8	02	2	1	5	4	2			2							
	23	10088	06			11	15	16	8	77	7	0	0	9	2			2					273		
06	05	10102	04			11	16	32	8	70	7	0	0	9	2										
	11	10088	04			11	11	04	8	73	7	0	0	9	2										
	17	10144	03			11	11	04	8	71	7	0	0	9	2										
	23	10150	03			11	09	58	8	02	7	0	0	9	2								322		
07	05	10163	00			11	12	66	8	02	2	0	0	9	7										
	11	10162	507			11	05	87	2	01	1	0	0	9	0	5									
	17	10152	512			23	04	87	4	02	1	0	0	9	0	8			2						
	23	10124	512			23	01	87	2	02	1	0	0	9	0	8							296		
08	05																								
	11	10088	05			23	01	87	1	02	1	0	0	9	0	8									
	17	10045	02			23	07	87	1	02	1	0	0	9	7										
	23	10023	05			23	07	87	2	02	1	0	0	9	2								095		
09	05	10009	05			18	01	87	1	02	1	1	5												
	11	10026	00			14	10	87	3	02	1	3	6												
	17	10010	505			14	07	87	2	02	1	2	5												
	23	10000	509			18	05	87	2	02	1	2	5										171		
10	05	9980	509			00	00	87	0	01	0	0													
	11	9975	509			23	03	87	1	02	0	0													
	17	9967	500			18	05	87	0	02	0	0													
	23	9985	503			18	03	87	0	02	0	0											132		
11	05	9968	502			18	04	87	0	02	0	0													
	11	9974	509			18	07	87	1	03	0	1	5												
	17	9962	503			18	03	87	0	01	0	0													
	23	9940	503			14	09	87	0	02	0	0											114		

Results of Surface Observations, TAYLOR – June, July, 1959

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
12	05	9920	511			23	16	87	0	02	0	0													
	11	9900	511			18	03	87	0	02	0	0													
	17	9906	512			09	08	87	1	03	0	0													
	23	9917	514			14	10	87	2	02	1	0	0	9	0	5									
													9	9	0	5						338			
13	05	9950	507			14	12	66	8	03	2	0													
	11	9977	503			14	15	32	8	36	3	0	0	9	2										
	17	10014	02			09	22	04		38	3			9	2										
	23	10021	04			09	35	00		39	3											071			
14	05	10019	05			09	35	04		39	3														
	11	10020	07			09	35	04		39	3														
	17	10142	06			09	32	04		39	3														
	23	10116	06			09	20	04		39	3											779			
15	05	10115	06			09	15	16	8	36	3	0	0	9	2										
	11	10074	07			09	12	16	8	36	3	0	0	9	2										
	17	10174	07			09	31	16	8	36	3	0	0	9	2										
	23	10256	07			08	42	04		39	3											694			
16	05	10202	09			09	36	16	8	37	3	0	0	9	2										
	11	10141	10			09	37	16	8	37	3	0	0	9	2										
	17	10106	11			09	31	04		39	3														
	23	10110	13			09	32	04		39	3											749			
17	05	10067	08			09	09	16	8	02	3	0	0	9	2										
	11	9994	06			08	12	16	8	36	3	0	0	9	2										
	17	10072	03			08	27	08	8	36	3	0	0	9	2										
	23	10092	02			08	12	16	8	36	3	0	0	9	2							702			
18	05	10056	501			09	03	87	8	02	3	0	0	9	0	7									
	11	9958	00			09	02	87	7	02	2	0	0	9	0	8									
	17	9949	00			08	02	80	8	02	2	0	0	9	0	7									
	23	9983	502			09	01	80	7	02	2	0	0	9	0	8						384			
19	05	9968	503			00	00	87	6	01	2	0	0	9	2										
	11	9894	503			00	00	87	3	01	1	0	0	9	7										
	17																								
	23																								
23	11	10038	518			14	01	87	6	00	1	0	0	9	0	8									
	17	10063	518			14	01	87	8	03	2	0	0	9	0	7									
	23	10064	519			00	00	87	0	01	2	0													
24	11	10059	502			13	05	87	3	03	0	0	0	9	0	6									
	17	10039	03			13	10	87	4	02	1	0	0	9	0	6									
	23	10012	511			36	20	87	8	03	1	0	0	9	0	7						092			
25	11	9928	04			13	15	87	6	02	2	0	0	9	0	8									
	17	9936	508			00	00	87	2	01	1	0	0	9	0	1									
	23	9920	502			09	02	87	0	01	0	0										190			
26	11	9877	509			14	02	87	1	03	0	0	0	9	3							1			
	17	9893	513			09	08	87	1	02	0	1	5	6								1			
	23	9902	508			09	30	87	2	02	0	0	0	9	3							408			
27	11	9850	02			09	55	00		39	3														
	17	9865	03			08	60	00		39	3														
	23									39	3														
28	11	9791	02			07	55	00		39	3														
	17																								
	23																								
29	11	9828				07	20	32	8	36	3	8	6	4											
	17	9844				08	45	00		39	3														
	23	9877				08	30	04		39	3														
30	11	9889	00			09	03	87	7	02	3	0	0	9	0	8									
	17	9773	503			00	00	87	6	02	2	0	0	9	4	2									
	23	10075	506			00	00	87	0	01	1	0													
31	11	10058	509			09	20	87	0	36	3	0													
	17	10075	507			09	32	87	0	36	3	0													
	23	9975	510			09	25	32		38	3														

Results of Surface Observations,
TAYLOR – Aug., 1959

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	11	9913	09			08	30	87	8	02	3	0	0	9	1										
	17	10009	10			09	25	56	8	36	3	0	0	9	2										
	23	10073	08			09	40	32	8	36	3	0	0	9	2										

Results of Surface Observations,
WILKES – Feb., 1959

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	9773	25	23	16	05	06	74	7	02	2	7	5	5											
	04	9770	23	21	13	09	07	74	7	02	2	7	5	5											
	07	9771	21	19	12	18	05	74	7	02	2	7	5	5											
	10	9776	23	21	13	02	07	74	7	02	2	7	5	5											
	13	9783	26	23	15	22	04	74	7	02	2	7	5	5											
	16	9783	26	23	15	32	02	74	7	02	2	7	5	5											
	19	9788	24	22	15	00	00	74	7	02	3	6	5	5	3										
	22	9780	18	17	12	09	06	74	1	01	2	1	5	5	0	0				05	10	108	0000	26	16
02	01	9777	16	14	04	09	05	74	1	02	9	1	5	5	0	0									
	04	9773	18	16	06	00	00	74	1	02	9	1	5	6	0	0									
	07	9771	25	21	09	14	05	74	1	02	9	0	0	9	0	0									
	10	9758	30	26	16	20	05	74	2	02	9	0	0	9	3	1									
	13	9748	31	26	17	16	12	74	2	02	9	2	5	5	0	0									
	16	9739	31	28	22	16	12	74	2	02	1	1	5	5	3	0									
	19	9730	28	25	17	16	07	74	2	02	0	0	0	9	3	0									
	22	9717	25	23	17	16	05	74	2	02	0	0	0	9	3	0				16	16	180	0000	31	16
03	01	9705	24	21	12	18	02	74	7	03	2	0	0	9	3										
	04	9706	22	20	14	22	05	74	4	01	1	0	0	9	3	0									
	07	9712	26	22	10	04	05	74	6	03	2	6	5	5											
	10	9721																							
	13	9721	32	29	23	09	02	74	8	03	2	8	5	5											
	16	9721	32	29	23	16	06	74	7	01	2	0	0	0	3										
	19	9735	30	28	21	16	08	74	8	02	2	8	5	6											
	22	9743	28	26	21	09	03	74	7	02	2	0	0	9	3					18	14	167	0000	32	22
04	01	9749	26	23	15	18	03	74	5	02	2	0	0	9	3										
	04	9749	23	21	14	09	07	74	7	02	2	0	0	9	3										
	07	9768	29	25	15	09	07	74	5	02	2	5	5	6											
	10	9769	33	30	26	04	03	74	2	01	2	1	5	6	0	8									
	13	9784	35	31	24	29	02	74	7	03	1	1	5	6	3	8									
	16	9793	31	26	18	14	07	74	6	03	2	0	0	9	0	6									
	19	9804	30	27	20	16	10	74	7	02	2	0	0	9	2	8									
	22	9816	26	24	18	14	07	74	8	03	2	2	5	6	3	7				11	15	183	0000	37	23
05	01	9822	24	21	18	16	10	74	1	01	2	1	5	6											
	04	9827	24	22	17	13	05	74	1	02	0	0	0	9	0	5									
	07	9836	25	22	16	15	04	74	1	02	0	0	0	9	2										
	10	9839	31	28	23	33	02	74	0	02	0	0													
	13	9855	31	29	26	36	09	82	1	02	0	0	0	9	2										
	16	9869	29	27	25	01	06	82	1	02	0	1	1	5	0	5									
	19	9882	30	28	25	00	00	82	1	02	0	0	0	9	7										
	22	9892	25	22	17	04	03	82	1	02	0	0	0	9	0	8				18	14	109	0000	32	20
06	01	9898	22	20	14	08	04	82	0	02	0	0													
	04	9910	23	20	14	08	02	82	2	03	0	2	5	6											
	07	9932	27	24	17	08	01	82	3	02	0	1	5	6	5	4									
	10	9943	29	25	18	32	02	82	1	02	0	1	5	6											
	13	9954	29	26	20	30	02	82	1	02	0	1	1	6											
	16	9970	28	26	21	30	02	82	5	03	0	1	1	6	0	6									
	19	9984	28	26	21	27	03	82	6	03	1	0	0	9	1	1									
	22	9991	26	24	18	14	03	82	2	01	1	0	0	9	0	9				13	07	110	0000	33	19
07	01	10005	25	22	15	02	07	82	0	01	0	0													
	04	10012	25	22	14	02	08	82	8	03	0	0													
	07	10027	27	25	20	03	03	82	8	02	2	8	5	5											
	10	10027	31	26	15	00	00	82	8	02	2	7	6	5	2										
	13	10031	33	28	19	30	03	82	8	02	2	6	6	5	2										
	16	10022	33	29	23	00	00	82	8	14	2	5	5	6	2										
	19	10014	31	27	18	22	01	74	8	02	2	0	0	9	2										
	22	10005	31	27	19	03	08	74	8	02	2	0	0	9	2					02	12	155	0000	36	22
08	01	9993	30	26	18	21	07	74	8	02	2	0	0	9	2										
	04	9965	33	30	25	32	06	61	8	56	7	5	7	4	2										
	07	9935	32	30	29	09	26	61	8	79	7	8	6	4											
	10	9910	30			08	31	08	8	79	7	8	6	3											
	13	9879	28			08	40	00		39	3														
	16	9870	30	28	23	08	38	00	8	39	3	1	5	5											
	19	9861	30	29	27	08	33	02	8	39	3	8	5	6											
	22	9870	31	30	28	07	26	10	8	39	3	4	7	2						07	56	689	0014	34	28
09	01	9870	30	28	25	07	30	00		39	3														
	04	9870	30	28	25	07	28	16	8	38	3	8	7	4											
	07	9870	31	29	24	08	28	32	8	38	3	8	5	5											
	10	9873	33	32	31	09	20	16	8	71	7	8	6	4											
	13	9876	32	31	30	03	16	32	8	70	7	8	6	4											
	16	9878	30	29	27	02	16	58	8	02	2	8	6	4											
	19	9885	30	29	28	02	12	74	8	02	2	7	6	4	2										
	22	9882	29	29	27	03	12	58	8	56	2	8	6	4						07	43	328	0003	34	27

Results of Surface Observations,
WILKES – Feb., 1959

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	9881	28	27	26	03	10	58	8	56	5	8	6	4											
	04	9880	28	26	23	03	02	74	8	02	5	8	5	5											
	07	9879	29	29	27	20	07	66	8	27	7	7	5	4	3										
	10	9880	30	29	28	14	03	48	8	77	2	8	5	4											
	13	9880	31	30	26	23	06	74	8	71	7	8	5	5											
	16	9877	30	28	25	18	06	74	7	01	7	7	5	5											
	19	9886	30	28	26	19	09	74	1	01	2	1	5	4											
	22	9872	27	25	21	16	07	74	1	02	0	1	5	4						36	12	214	0004	32	25
11	01	9859	27	24	17	01	10	74	2	05	3	0	0	9	1										
	04	9850	27	25	19	03	08	82	8	03	1	0	0	9	0	7									
	07	9833	30	27	23	03	20	74	8	03	2	7	5	5	2										
	10	9816	26	25	23	05	21	10		73	7														
	13	9784	28	26	23	08	20	61	8	71	7	8	5	5	2										
	16	9764	30	28	23	05	11	48	8	71	7	8	6	4											
	19	9760	28	28	26	15	04	48	8	70	7	8	6	4											
	22	9757	28	27	26	32	01	58	8	70	7	6	5	5						02	24	244	0004	31	21
12	01	9762	27	26	24	00	00	32	8	70	7	8	7	5											
	04	9780	27	26	25	00	00	80	7	01	2	5	5	6	2										
	07	9804	29	28	25	05	03	65	8	02	7	8	5	7											
	10	9826	31	29	26	31	02	80	7	02	2	7	5	5	1										
	13	9850	30	29	27	35	06	48	7	70	2	7	5	5	1										
	16	9861	29	28	27	02	11	74	7	02	7	6	5	7	7										
	19	9867	28	27	26	02	11	74	7	70	7	7	7	4											
	22	9859	27	26	23	02	12	74	8	02	2	8	5	5						02	15	133		31	26
13	01	9856	27	26	24	02	08	74	8	02	2	8	5	5											
	04	9859	26	25	23	01	05	80	8	02	2	8	5	5											
	07	9859	27	25	22	18	06	74	8	02	2	8	5	5											
	10	9853	28	26	23	18	06	74	8	02	2	8	5	5											
	13	9841	28	26	22	01	09	74	7	02	2	7	5	5											
	16	9831																							
	19	9825	28	26	22	02	02	74	7	02	2	7	5	6											
	22	9814	19	17	12	09	08	74	0	01	2	0								02	12	107	0000	29	18
14	01	9808	18	17	12	06	03	74	0	01	0	0													
	04	9805	20	18	15	05	04	82	1	03	0	1	5	6											
	07	9802	25	22	16	36	07	80	8	03	1	8	5	5											
	10	9790	26	24	19	03	07	80	7	01	2	7	5	4											
	13	9785	26	24	20	36	04	80	7	02	2	7	5	6											
	16	9780	25	23	18	35	07	80	7	02	2	7	5	6											
	19	9780	23	22	19	33	06	80	7	02	2	7	5	5											
	22	9786	20	19	16	05	08	74	0	01	0	0								02	11	163	0000	27	17
15	01	9794	22	20	18	04	08	58	3	03	0	3	5	5											
	04	9807	21	20	19	03	08	74	5	03	1	5	5	5											
	07	9831	22	20	14	03	08	80	7	02	2	7	5	5											
	10	9836	24	22	16	36	10	82	2	01	1	2	5	5	3										
	13	9851	25	23	15	03	14	82	1	02	0	1	1	5	0	1									
	16	9858	25	22	17	04	14	82	5	03	1	5	5	5											
	19	9866	24	21	15	08	10	82	7	03	2	7	5	5											
	22	9862	23	21	17	08	12	58	7	02	2	7	5	5						05	16	215	0000	27	18
16	01	9862	23	23	20	08	10	61	7	02	2	7	5	5											
	04	9860	25	24	23	20	05	80	7	02	2	7	5	5											
	07	9860	26	24	21	28	02	32	8	70	2	8	6	6											
	10	9856	27	25	20	36	06	58	8	71	7	8	5	6											
	13	9850	27	25	20	22	06	74	6	01	2	1	5	5	0	6									
	16	9839				18	06	74		02	2														
	19	9834	26	24	20	20	06	82	4	02	2	2	5	5	3										
	22	9821	19	18	15	10	06	58	2	01	2	2	5	6						07	15	104		31	19
17	01	9800	22	21	19	12	05	61	4	02	2	4	5	5											
	04	9779	22	21	18	10	06	80	8	03	2	7	5	5	2										
	07	9764	26	23	18	36	08	80	8	02	2	8	5	5											
	10	9755	27	25	20	36	06	80	8	02	2	7	5	5											
	13	9754	27	23	15	01	06	82	0	01	1	1	1	5	3										
	16	9757	25	22	16	33	06	82	3	02	0	3	1	6											
	19	9767	25	22	17	30	06	82	4	02	1	2	1	5											
	22	9767	21	19	15	05	10	61	3	02	1	3	5	5								169	0000	30	17
18	01	9772	20	18	14	04	11	61	7	03	2	7	5	5											
	04	9775	22	20	15	30	09	80	8	03	2	4	5	5	2										
	07	9787	21	20	15	35	09	48	8	02	2	8	5	5											
	10	9789	25			18	05	80	8	02	2	8	5	5											
	13	9806	25			18	02	80	8	02	2	8	5	5											
	16	9811	26	23	15	21	06	80	8	02	2	8	5	5											
	19	9822	25	21	14	09	02	80	5	01	2	5	5	6											
	22	9831	18	16	08	09	06	66	2	01	2	2	5	6								108		27	15

Results of Surface Observations,
WILKES – Feb., 1959

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	9835	15	12	05	10	08	61	1	01	1	1	5	5											
	04	9845	15	13	06	09	06	80	1	03	0	1	5	5											
	07	9849	21	19	14	16	06	82	1	02	1	1	5	6											
	10	9851	25	22	15	13	08	82	1	01	0	0	0	9	0	1									
	13	9848	27	24	18	18	05	82	6	03	1	0	0	9	0	6									
	16	9849	27	25	19	18	04	82	5	02	2	2	5	5	0	6									
	19	9845	26	22	18	09	04	82	8	03	2	3	5	5	0	8									
	22	9842	25	22	19	04	05	80	8	03	2	8	5	6						16	10	083	0000	30	12
20	01	9837	25	23	18	00	00	82	7	02	2	7	5	5											
	04	9836	23	21	17	09	04	82	6	02	2	8	6	5											
	07	9826	27	24	19	18	02	66	8	70	7	8	6	6											
	10	9806	31	29	27	07	17	48	8	71	7	8	6	5											
	13	9792	31	30	29	02	14	16	8	71	7	8	6	5											
	16	9778	31	30	27	05	15	32	8	71	7	8	6	5											
	19	9770	29	28	28	02	14	16	8	71	7	8	6	4											
	22	9757	29	27	22	07	15	61	6	01	7	6	6	4						05	22	328	0006	32	22
21	01	9741	28	26	22	09	15	61	8	03	2	8	6	4											
	04	9728	28	26	22	09	15	61	8	22	2	8	6	4											
	07	9718	25	23	19	18	14	48	2	15	3	2	7	4	2										
	10	9690	28	24	15	09	08	74	8	01	2	8	0	8	5	2									
	13	9660	27	24	17	17	09	74	8	02	2	1	1	5	1	7									
	16	9650	26	23	16	16	06	61	8	26	2	1	5	6	2	7									
	19	9645	27	24	19	18	08	08	8	73	7	8	6	5											
	22	9631	26	22	12	11	21	16	8	71	7	8	6	4						11	31	290	0004	32	22
22	01	9631	24	22	15	36	16	61	8	02	7	8	6	4											
	04	9629	24	22	15	36	08	66	8	02	2	8	6	4											
	07	9634	27	25	22	27	08	32	8	70	7	8	6	4											
	10	9647	30	26	18	09	11	61	8	70	7	8	6	4	2										
	13	9664	30	26	18	18	10	58	8	77	7	8	6	4											
	16	9673	30	27	22	18	08	62	8	77	7	8	6	4											
	19	9680	32	28	21	14	10	62	8	02	7	4	5	5	2										
	22	9682	29	25	17	15	05	62	7	01	2	5	6	4	2					11	39	406	0003	33	24
23	01	9658	26	24	20	12	33	61	8	02	2	8	6	4											
	04	9660	26	23	18	10	32	74	6	36	3	4	5	5	0	8									
	07	9654	27	25	21	18	32	04	8	38	3	7	5	5	0	8									
	10	9660	30	27	21	18	28	74	6	01	3	5	5	5	0	8									
	13	9652	31	28	22	19	12	74	7	03	2	2	5	4	1	8									
	16	9635	30	28	24	09	26	08	8	38	3	6	5	4	2										
	19	9660				07	25																		
	22	9675	28	26	23	05	20	74	8	02	2	3	5	4	2					11	43	458	0000	32	25
24	01	9705	29	27	24	05	11	74	8	02	2	4	5	5	2										
	04	9706	26	24	21	09	20	74	8	02	2	4	5	4	2										
	07	9728	27	25	20	16	12	74	8	02	2	6	6	4	2										
	10	9730	25	23	18	18	16	82	7	02	2	6	5	4	2										
	13	9735	30	26	19	21	01	82	2	01	1	0	0	9	0	8									
	16	9737	32	27	21	34	04	82	1	01	1	1	1	5	4	1									
	19	9745	27	25	19	35	10	82	7	03	1	5	5	5	2										
	22	9750	27	25	21	31	08	82	7	02	2	3	5	5	2					09	27	162	0000	32	23
25	01	9747	22	21	19	18	05	82	7	02	2	7	5	5											
	04	9745	25	23	19	02	07	82	7	02	2	7	5	5											
	07	9748	22	21	19	27	04	82	7	02	2	7	5	5											
	10	9756	21	20	16	33	06	82	4	01	2	4	5	5											
	13	9766	23	21	19	33	10	82	7	02	2	7	5	4											
	16	9775	23	20	17	31	08	82	8	02	2	7	5	4											
	19	9789	21	19	13	03	11	82	4	02	1	4	5	4											
	22	9797	21	20	16	33	07	82	7	03	2	7	6	5						05	16	183	0000	25	14
26	01	9812	17	16	11	07	06	82	7	02	2	7	5	5											
	04	9820	17	16	14	09	08	82	7	02	2	7	5	5											
	07	9832	18	17	14	09	04	82	8	02	2	4	6	4	2										
	10	9837	22	20	15	04	09	82	7	02	2	6	5	5	2										
	13	9842	23	21	16	05	08	82	5	01	2	3	5	5	3										
	16	9849	23	21	15	03	09	82	5	02	2	4	5	5	2										
	19	9868	22	20	14	03	08	82	8	03	2	8	5	5											
	22	9880	22	20	16	02	08	82	8	02	2	8	5	5						02	13	159	0000	24	14
27	01	9891	21	19	16	04	08	82	8	02	2	8	5	5											
	04	9895	20	19	17	07	05	82	8	02	2	8	5	5											
	07	9903	20	19	17	05	10	82	7	16	2	4	6	4											
	10	9904	27	25	22	00	00	82	2	01	1	2	2	6	0	1									
	13	9898	26	23	19	00	00	82	3	02	0	1	2	5	6	1									
	16	9887	23	21	17	24	05	82	1	01	0	0	0	9	0	1									
	19	9877	18	16	10	00	00	82	3	02	0	0	0	9	2	1									
	22	9866	13	11	06	11	04	82	2	02	1	0	0	9	2	1				05	11	122	0000	27	11

Results of Surface Observations,
WILKES – Feb., 1959

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	9855	12	11	08	06	06	82	0	01	1	0			1										
	04	9854	13	11	06	05	12	82	2	03	1	1	6	4											
	07	9852	15	14	10	06	10	82	4	03	1	4	5	5											
	10	9853	20	18	13	11	04	82	7	03	2	7	5	5											
	13	9858	20	18	14	18	09	82	1	01	1	1	2	5											
	16	9865	20	19	14	18	10	82	0	02	0	0													
	19	9881	18	16	13	19	06	82	0	02	0	0													
	22	9892	15	13	07	18	12	82	0	02	0	0								18	14	191	0000	21	09

Results of Surface Observations,
WILKES – Mar., 1959

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	9903	09	08	02	18	15	82	0	02	0	0	0	0	0	1									
	04	9912	09	08	03	18	12	82	2	03	0	0	0	0	0	7									
	07	9915	15	13	09	36	06	82	8	03	1	0	0	9	2										
	10	9917	20	18	14	03	13	82	8	02	2	0	0	9	2										
	13	9908	21	20	17	03	12	82	8	02	2	0	0	9	2										
	16	9906	21	20	14	00	00	32	8	77	7	8	6	5											
	19	9902	20	20	19	16	08	32	8	71	7	8	6	5											
	22	9899	20	19	18	16	08	32	8	71	7	8	6	4						20	17	187	0004	22	07
02	01	9900	21	20	19	17	08	32	8	56	7	8	6	4											
	04	9904	21	21	21	18	06	32	8	71	7	8	6	4											
	07	9921	23	22	21	00	00	74	8	02	7	8	6	4											
	10	9927	23	23	21	27	03	74	8	02	2	8	6	5											
	13	9937	23	23	21	09	02	82	6	01	2	6	5	5											
	16	9938	24	23	19	00	00	82	2	01	2	2	2	5											
	19	9938	12	11	10	10	07	82	2	02	2	2	5	5											
	22	9932	13	12	07	17	08	82	0	01	1	0								18	12	077	0003	25	10
03	01	9913	11	10	09	16	05	82	0	02	0	0													
	04	9906	07	06	03	05	06	82	0	02	0	0													
	07	9905	13	12	09	04	02	82	1	02	0	1	5	5	0	0									
	10	9899	18	17	13	01	04	82	7	03	2	7	5	5											
	13	9886	16	15	12	36	05	82	7	02	1	7	5	5											
	16	9886	15	14	11	18	15	82	2	70	7	2	5	5	0	0									
	19	9894	10	09	06	18	16	82	1	01	0	1	5	5	0	0									
	22	9902	08	07	501	18	17	74	0	02	0	0	0	0	0	0				18	28	284		19	05
04	01	9919	09	08	01	17	14	82	3	03	0	0	0	0	0	8									
	04	9931	07	06	00	16	14	82	3	02	0	0	0	0	0	8									
	07	9936	09	08	501	17	08	82	7	03	1	0	0	0	0	8									
	10	9928	19	18	15	36	03	82	8	03	2	0	0	0	1										
	13	9906	18	15	06	09	03	82	8	02	2	8	6	5											
	16	9874	18	15	09	05	09	80	8	02	2	8	6	5											
	19	9854	18	17	12	02	12	48	8	71	2	8	6	5											
	22	9822	20	20	18	27	10	08		73	7									07	23	371	0042	23	05
05	01	9825	21	20	16	08	26	00		39	7														
	04	9844	18	18	16	09	30	00		39	3														
	07	9877	17	16	13	09	30	00		39	3														
	10	9897	19	18	12	09	22	16	8	38	3	8	5	5											
	13	9916	22	20	17	18	10	80	8	22	3	7	5	4	2										
	16	9926	21	20	17	18	06	08	8	70	2	8	6	4											
	19	9934	20	18	14	03	14	16	8	71	7	8	6	4											
	22	9934	19	19	17	15	06	02		73	7									07	40	233	0050	22	17
06	01	9934	17	17	14	18	11	08		71	7														
	04	9934	16	16	13	18	08	16	8	71	7	8	6	4											
	07	9929	17	16	12	18	10	56	8	71	7	8	6	4											
	10	9925	18	17	14	18	10	08	8	71	7	8	6	5											
	13	9912	20	19	16	18	10	08	8	71	7	8	6	5											
	16	9909	21	20	17	18	07	08	8	71	7	8	6	5											
	19	9905	21	22	27	18	06	48	8	71	7	8	6	5											
	22	9899	22	22	19	18	06	48	8	71	7	8	6	5						18	13	149	0049	22	15
07	01	9892	21	20	17	16	06	48	8	71	7	8	5	5											
	04	9891	22	22	19	06	05	48	8	71	7	8	5	5											
	07	9898	21	20	16	03	06	80	8	71	7	8	5	4											
	10	9890	23	23	20	00	00	80	8	71	7	8	5	5											
	13	9886	23	22	19	00	00	82	8	02	7	8	5	5											
	16	9886	21	20	15	00	00	82	2	01	1	1	5	6	1										
	19	9894	13	11	05	00	00	82	1	01	1	0	0	0	4										
	22	9892	07	07	02	09	04	82	0	01	0	0								09	10	084		24	04
08	01	9888	09	09	05	05	04	82	0	02	0	0													
	04	9889	07	07	01	05	08	82	4	03	0	0	6	4											
	07	9889	07	07	02	06	08	82	1	01	0	4	6	4											
	10	9889	16	15	07	01	07	82	1	02	0	1	6	4											
	13	9887	19	17	08	17	06	82	8	03	0	0	6	0	0	1									
	16	9869	26	24	17	06	04	66	8	02	1	8	6	5											
	19	9837	25	23	19	09	34	16	8	02	2	7	6	5	2										
	22	9793	25	24	21	09	38	00		38	3	8	5	5											
09	01	9769	26	25	22	11	42	00		38	3														
	04	9759	23	22	18	16	40	00		38	3														
	07	9742	28	26	17	10	25	00	8	38	3	8	5	4											
	10	9684	25			09	57	00		39	3														
	13	9680	24			09	54	00		39	3														
	16	9707	23			09	50	00		39	3														
	19	9702	24			09	50	00	8	39	3	8	5	5											
	22	9739	24			09	38	00		39	3									09	76	1225	0000	30	23

Results of Surface Observations,
WILKES – Mar., 1959

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	9739	26			09	40	00		39	3														
	04	9755	25			09	36	00		39	3														
	07	9775	26			09	36	04	8	38	3	8	5	5											
	10	9789	27			10	35	02	8	38	3	8	5	5											
	13	9807	30	26	18	09	21	66	8	02	3	3	5	5	7										
	16	9836	30	26	19	09	23	62	8	02	2	7	5	5	2										
	19	9867	28	25	19	14	04	66	8	22	2	7	5	5	0	7									
	22	9888	29	26	23	36	07	80	8	02	2	8	5	5						09	51			30	24
11	01	9899	28	26	22	31	03	80	4	01	1	4	5	5											
	04	9900	23	22	18	04	04	80	0	01	0	0		0											
	07	9892	23	20	13	09	07	82	1	02	0	0	0	0	0	1									
	10	9870	24	23	20	19	08	82	1	02	0	0	0	0	0	1									
	13	9833	30	28	25	18	05	82	1	02	0	0	0	0	0	1									
	16	9805	27	26	23	18	09	82	1	02	0	0	0	0	0	1									
	19	9793	23	23	19	00	00	82	1	02	0	1	5	5											
	22	9773	20	19	14	09	11	82	1	02	0	1	5	5						18	23		0000	30	18
12	01	9737	20	19	13	18	09	82	0	02	0	0	0												
	04	9712	18	17	12	18	08	82	0	02	0	0	0												
	07	9692	19	17	08	09	02	82	1	02	0	1	5	5											
	10	9684	18	17	09	18	14	82	2	03	0	2	5	5											
	13	9669	18	17	12	18	15	66	8	02	2	8	5	5											
	16	9669	15	14	11	17	21	74	8	02	2	8	5	5											
	19	9661	14	13	07	16	15	74	8	02	2	8	5	5											
	22	9661	15	15	11	18	12	82	8	02	2	8	5	5						18	23		0000	24	12
13	01	9670	16	14	07	18	14	74	1	01	1	1	5	5											
	04	9662	11	11	06	18	24	82	0	02	0	0													
	07	9673	17	16	10	18	18	82	1	02	0	0	0	0	4										
	10	9682	22	21	16	16	18	82	1	02	0	0	0	0	7										
	13	9700	24	23	18	18	14	82	3	03	0	0	0	0	7										
	16	9716	23	21	17	17	13	82	0	01	0	0													
	19	9726	19	18	15	16	10	82	0	02	0	0													
	22	9726	17	16	12	17	14	74	0	02	0	0								18	27		0000	26	11
14	01	9729	15	14	08	18	14	82	0	02	0	0													
	04	9739	13	13	08	18	14	82	0	02	0	0													
	07	9776	15	14	08	18	11	82	2	03	0	0	0	9	0										
	10	9795	18	16	12	18	11	80	5	03	1	1	5	5	0	6									
	13	9808	20	18	12	17	08	80	7	03	1	1	0	9	2	9									
	16	9832	20	18	11	17	16	82	1	01	1	0	0	9	2	1									
	19	9844	16	14	05	17	26	74	1	01	1	0	0	9	0	1									
	22	9853	12	10	02	18	25	80	1	02	0	1	5	5						18	34		0000	21	11
15	01	9874	12	11	04	17	22	74	1	02	0	1	5	5											
	04	9897	13	12	05	18	25	82	0	02	0	0													
	07	9921	09	08	02	17	20	82	1	02	0	0	0	9	0	1									
	10	9933	13	12	05	17	27	82	1	02	0	0	0	9	0	1									
	13	9940	17	15	06	18	22	82	1	02	0	0	0	9	0	1									
	16	9943	27	21	07	20	09	82	7	03	1	0	0	9	0	9									
	19	9955	25	24	22	06	08	82	2	01	0	0	0	9	0	9									
	22	9963	18	16	13	18	11	74	1	03	1	5	0	9	2	7				18	29		0000	28	09
16	01	9946	19	17	11	18	10	74	2	01	1	0	0	0	2										
	04	9941	20	18	11	18	06	82	5	03	1	0	0	9	2										
	07	9919	20	17	07	18	12	82	8	03	2	0	0	9	2										
	10	9911	21	20	16	19	02	74	8	02	3	0	0	9	7										
	13	9885	22	21	17	05	08	59	8	72	2	3	5	6	2										
	16	9874	19	18	13	01	08	66	8	70	2	5	5	2											
	19	9874	19	19	17	34	08	16	8	71	7	8	6	3											
	22	9877	18	17	14	08	06	16	8	71	7	8	6	4						18	17		0015	24	14
17	01	9891	11	10	04	17	16	16	8	71	7	8	6	4											
	04	9907	12	11	05	18	20	48	8	71	7	8	6	4											
	07	9913	03	03	00	18	18	48	8	71	7	8	5	5											
	10	9923	10	10	06	17	12	56	8	71	7	8	6	4											
	13	9935	09	08	04	18	08	66	8	02	7	8	6	4											
	16	9941	12	11	06	17	08	82	2	01	2	2	5	4											
	19	9953	09	08	02	08	08	82	7	03	2	7	5	4											
	22	9961	04	04	01	12	06	82	0	01	1	0	0	9	0	0				18	28			14	01
18	01	9961	04	03	501	09	04	74	0	02	0	0	0	9	0	0									
	04	9956	05	04	01	00	00	82	0	02	0	0	0	9	0	0									
	07	9948	06	06	02	17	08	82	0	02	0	0	0	9	0	0									
	10	9926	10	09	02	18	08	82	0	02	0	0	0	9	0	0									
	13	9924	15	13	05	19	17	82	1	02	0	0	0	9	0	1									
	16	9936	16	14	07	05	12	82	0	02	0	0	0	9	0	0									
	19	9939	12	11	04	15	08	82	1	02	0	1	5	5	0	0									
	22	9937	12	11	04	17	06	82	0	02	0	0	0	9	0	0				05	19		0000	19	02

Results of Surface Observations,

WILKES — Mar., 1959

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	9936	16	14	06	02	10	74	0	02	00	0	0	9	0	0									
	04	9938	10	10	05	20	06	82	2	03	00	0	0	9	2	0									
	07	9938	14	12	02	08	04	82	4	02	00	0	0	9	0	6									
	10	9929	12	10	501	18	13	82	5	03	11	1	5	5	0	6									
	13	9906	15	13	06	22	06	82	8	03	22	8	6	5											
	16	9887	15	13	07	04	06	82	7	02	22	6	5	5	2										
	19	9870	14	13	07	00	00	82	7	02	22	7	5	5	2										
	22	9848	18	17	11	00	00	74	8	03	22	8	5	5						13	19	1204	0000	21	07
20	01	9803	20	18	12	27	10	74	8	02	22	8	5	5											
	04	9765	22	20	15	23	14	82	8	02	22	8	5	5								1			
	07	9745	31	29	26	12	16	82	8	02	22	8	5	5											
	10	9722	30	29	26	18	34	74	8	77	77	3	6	4	2										
	13	9720	31	25	09	15	23	56	8	15	77	3	5	5	7	7									
	16	9710	23	20	10	20	20	61	8	02	22	6	5	6	7	7									
	19	9716	22	18	05	20	13	66	7	01	22	1	5	5	2	8									
	22	9709	20	18	11	09	10	66	2	01	11	2	5	5	0	0				23	68	374		35	15
21	01	9712	17	16	11	18	04	66	0	01	00	0	0	9	0	0									
	04	9695	17	15	09	10	11	82	0	02	00	0	0	9	0	0									
	07	9694	12	10	01	18	22	82	0	02	00	0													
	10	9685	15	12	503	18	21	82	1	02	00	1	5	5	3										
	13	9673	13	10	503	14	25	82	1	02	00	1	5	5	3										
	16	9667	12	10	503	22	24	82	1	02	00	1	5	5											
	19	9657	09	07	507	20	22	82	1	02	00	1	5	5											
	22	9640	07	05	510	10	20	82	1	02	00	1	5	5						18	37	405	0000	18	06
22	01	9632	07	05	507	11	08	82	2	02	00	2	5	5											
	04	9625	11	09	00	00	00	82	8	03	11	8	5	5											
	07	9611	13	11	501	13	08	82	8	02	11	8	5	7											
	10	9605	16	13	00	12	05	82	1	01	11	0	0	9	2										
	13	9605	17	15	07	06	05	82	1	02	00	0	0	9	3										
	16	9615	16	14	502	08	06	82	1	02	00	1	5	5	3										
	19	9631	13	11	00	09	06	82	1	02	00	1	5	5											
	22	9644	11	09	502	09	04	82	1	02	00	0	0	9	2					13	13	180	0000	20	06
23	01	9660	12	10	01	08	08	82	2	02	00	2	5	5											
	04	9698	09	08	501	09	10	82	0	01	00	0													
	07	9723	15	14	06	08	07	82	5	03	11	4	5	5	3										
	10	9751	18	15	03	08	12	66	8	03	22	7	5	6	2										
	13	9764	19	16	05	09	11	66	8	02	22	6	5	6	2										
	16	9779	21	18	08	18	07	74	8	02	22	6	5	6	3										
	19	9798	19	16	04	14	06	74	8	02	22	6	5	6	7										
	22	9816	20	18	07	14	06	74	8	70	77	8	5	7						09	16	193		22	09
24	01	9834	20	18	12	17	06	58	8	70	77	8	5	5											
	04	9851	21	19	10	14	06	74	8	02	77	8	5	5											
	07	9863	20	18	13	13	02	82	8	02	77	0	0	9	2										
	10	9878	22	20	13	16	03	82	7	01	22	0	0	9	3										
	13	9885	23	21	17	20	08	82	5	01	22	0	0	9	3										
	16	9895	20	17	07	18	04	82	1	01	11	0	0	9	2										
	19	9894	13	12	05	18	12	82	0	01	11	0	0	9	0	0									
	22	9896	11	09	01	19	10	82	0	02	00	0	0	9	0	0				18	19	193		24	08
25	01	9903	08	07	502	21	09	82	0	02	00	0	0	9	0	0									
	04	9900	05	04	504	06	08	82	0	02	00	0	0	9	0	0									
	07	9909	12	10	501	00	00	82	7	03	11	0	0	9	0	6									
	10	9920	14	12	02	09	04	82	8	03	22	0	0	9	0	7									
	13	9930	15	14	06	18	08	82	8	02	22	0	0	9	0	7									
	16	9930	17	15	10	16	08	82	8	02	22	0	0	9	3	8									
	19	9936	15	13	00	16	06	82	6	01	22	0	0	9	0	5									
	22	9932	12	10	502	00	00	82	1	01	00	0	0	9	0					05	18	132	0000	17	05
26	01	9925	14	12	03	00	00	82	8	03	11	0	0	9	0	7									
	04	9919	13	12	06	08	03	82	8	01	11	0	0	9	3										
	07	9918	15	14	07	18	03	82	8	03	11	0	0	9	3	7									
	10	9912	16	15	09	18	06	82	6	01	22	0	0	9	3	7									
	13	9901	18	15	06	18	05	82	8	03	22	0	0	9	3	9									
	16	9892	18	17	11	02	08	80	8	03	22	0	0	9	7	7									
	19	9888	18	17	13	03	18	80	8	02	22	0	0	9	7	7									
	22	9903	17	14	501	16	06	80	7	01	22	0	0	9	3					05	24	202	0000	19	10
27	01	9904	15	12	00	09	05	82	1	01	11	0	0	9	2										
	04	9925	15	13	01	09	07	82	7	03	11	0	0	9	1										
	07	9940	16	13	00	17	06	82	6	02	22	1	5	5	0	8									
	10	9944	18	16	07	16	04	82	8	03	22	1	5	5	3	2									
	13	9942	19	16	05	04	08	82	8	02	22	1	5	5	2	2									
	16	9935	18	16	07	18	04	56	8	70	77	0	0	7	2										
	19	9925	17	16	10	14	02	59	8	70	77	8	6	6	7	4									
	22	9922	16	15	09	18	07	48	8	71	77	8	6	6	4					07	11	130	0010	19	13

Results of Surface Observations,
WILKES – Mar., 1959

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	9932	19	18	13	25	07	48	8	71	7	8	6	4											
	04	9949	20	19	14	21	07	16	8	71	7	8	6	4											
	07	9968	20	20	18	22	09	16	8	71	7	8	6	4											
	10	9982	20	20	18	24	09	48	8	71	7	8	6	4											
	13	9991	22	21	18	26	09	59	8	71	7	7	6	4	2										
	16	9999	21	20	16	28	03	66	8	71	7	7	5	5	2										
	19	10003	18	17	13	04	06	66	7	01	7	7	5	5						25	12	118	0032	22	11
	22	9998	12	11	05	08	06	80	7	02	2	4	5	5	3										
29	01	9987	07	06	502	12	06	82	0	01	1	0	0	9	0	0									
	04	9976	01	01	506	00	00	82	0	02	0	0	0	9	0	0									
	07	9962	00	00	505	20	08	82	0	02	0	0	0	9	0	0									
	10	9935	05	05	02	00	00	82	1	02	0	0	0	9	0	1									
	13	9906	06	05	01	05	08	82	1	02	7	0	0	9	0	8									
	16	9879	05	05	00	05	07	82	0	02	0	0	0	9	0	0									
	19	9859	04	03	502	04	09	82	1	02	0	0	0	9	0	1									
	22	9841	08	07	01	05	10	82	0	02	0	0	0	9	0	0				05	13	137		08	503
30	01	9822	01	00	506	19	02	82	0	02	0	0	0	9	0	0									
	04	9814	03	03	504	18	05	82	1	03	0	0	0	9	0	0									
	07	9804	09	08	02	19	08	80	8	56	2	0	0	9	2	8									
	10	9795	14	13	09	19	12	48	8	71	7	5	6	5	2										
	13	9793	21	20	17	18	07	12	8	71	7	8	6	5											
	16	9798	22	21	18	00	00	12	8	71	7	8	6	4											
	19	9809	21	20	18	17	06	48	8	71	7	8	6	4											
	22	9812	20	20	18	18	04	48	8	71	7	8	6	4						18	12	137	0012	23	503
31	01	9820	18	18	15	20	09	48	8	71	7	8	6	4											
	04	9829	20	19	17	18	02	48	8	71	7	8	6	4											
	07	9840	18	18	15	19	07	08		73	7														
	10	9852	14	14	11	18	11	04		73	7														
	13	9870	15	14	10	20	06	08		71	7														
	16	9870	21	20	16	04	19	04	8	38	3	8	6	4											
	19	9887	16	15	11	21	04	12	8	71	7	8	6	4											
	22	9880	15	14	10	21	06	61	8	02	7	8	6	4						05	24	139	0098	21	12

Results of Surface Observations,
WILKES – Apr., 1959

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	9851	18	18	14	00	00	66	8	02	2	8	6	4											
	04	9816	17	16	11	20	03	66	8	02	2	8	6	4											
	07	9753	24	22	16	11	18	66	8	36	3	4	6	5	2	8									
	10	9723	23	21	14	19	08	48	8	38	3	8	6	5											
	13	9679	25	22	13	16	24	12	8	38	3	8	6	5											
	16	9655	20	19	12	18	22	48	8	38	3	6	5	5	2										
	19	9644	19	17	12	22	13	61	8	01	3	0	0	9	7	1									
	22	9628	13	11	02	18	18	66	0	01	1	0	0	9	0	0				18	41	371	0000	27	10
02	01	9626	14	13	06	02	05	82	1	02	0	0	0	9	1	0									
	04	9660	14	12	05	04	14	82	0	02	0	0	0	9	0	0									
	07	9714	13	12	08	04	20	56	1	38	0	1	5	5	0	1									
	10	9750	17	15	07	07	16	57	6	38	3	1	5	4	0	6									
	13	9750	25	24	21	09	24	58	8	36	3	0	0	9	2										
	16	9732	27	25	20	08	37	00	8	39	3	0	0	9	3										
	19	9797	31	29	25	05	23	58		38	3														
	22	9833	32	30	27	05	20	66	8	02	2	8	6	4						05	50	371	0000	32	10
03	01	9870	32	30	27	06	27	48	8	38	2	8	6	4											
	04	9909	32	30	27	07	24	58	8	38	3	8	6	4											
	07	9940	33	31	26	07	20	62	8	38	3	7	5	5	3										
	10	9962	33	31	27	07	11	66	8	02	2	7	5	5	3										
	13	9977	35	32	27	08	13	66	8	02	2	7	5	5	2										
	16	9986	32	30	27	07	21	56	8	71	2	7	5	5	7										
	19	9996	29	28	25	08	28	04	3	39	3	3	5	5											
	22	9987	28	26	24	08	37	04		38	3									09	43	584		35	27
04	01	10012	29	27	23	10	21	48	8	38	3	8	6	4											
	04	10019	27	25	21	17	11	82	8	02	0	8	6	5											
	07	9999	25	22	14	10	24	48	8	38	3	7	5	6	2										
	10	9985	24	22	17	10	29	08	8	38	3	4	5	5	2										
	13	9968	24	22	15	09	29	56	8	38	3	5	5	5	2										
	16	9963	24	20	10	09	28	48	8	38	3	6	5	5	2										
	19	9960	24	22	15	10	28	16	8	38	3	8	5	6	5										
	22	9958	25	23	17	09	26	48	8	38	3	8	6	5						09	33	555	0000	29	23
05	01	9971	26	24	19	20	10	80	8	02	3	8	6	5											
	04	9968	26	24	19	15	04	80	8	02	2	8	6	5											
	07	9961	25	23	17	03	02	80	8	02	2	8	5	5											
	10	9958	26	24	18	06	08	61	8	15	2	2	6	4	2										
	13	9952	25	24	22	18	10	16	8	71	7	8	6	4											
	16	9948	23	23	20	20	05	61	8	22	7	1	7	4	2										
	19	9938	24	22	16	14	05	65	6	01	2	6	6	5											
	22	9936	24	22	18	00	00	82	0	01	1	0	0	9	0	0				18	13	124	0015	27	18
06	01	9930	20	18	11	19	06	82	5	03	1	0	0	9	0	8									
	04	9938	17	15	07	19	08	82	5	02		0	0	9	0	8									
	07	9948	17	15	05	18	11	82	8	03	2	0	0	9	0	7									
	10	9949	15	14	09	17	11	82	8	01	2	0	0	9	2	1									
	13	9954	14	13	05	16	11	82	2	01	1	0	0	9	0	8									
	16	9964	10	09	04	18	08	82	2	02	1	0	0	9	0	6									
	19	9977	05	05	00	18	18	82	6	36	1	1	5	5	0	1									
	22	9982	06	05	501	18	08	82	0	01	1	0	0	9	0	0				18	19	252	0000	22	03
07	01	9986	04	03	502	17	11	82	0	02	0	0	0	9	0	0									
	04	9986	05	05	501	17	09	82	0	02	0	0	0	9	0	1									
	07	9978	04	03	506	18	08	82	2	02	0	0	0	9	0	1									
	10	9969	12	11	06	17	07	82	4	03	1	1	6	5	3	0									
	13	9946	20	19	14	20	05	74	7	03	1	6	5	5	7	1									
	16	9931	22	20	13	13	02	66	8	77	2	6	5	5	2	1									
	19	9917	25	21	11	12	11	66	8	02	2	6	5	6	2										
	22	9885	26	24	18	18	12	74	8	02	2	2	5	6	2					11	21	285		27	02
08	01	9839	26	22	10	18	18	82	2	01	2	2	5	6	0	0									
	04	9789	15	12	00	16	28	82	1	02	0	1	5	6	0	8									
	07	9750	21	18	08	19	09	32	1	02	3	1	5	5	2	8									
	10	9722	22	19	11	19	16	82	6	03	1	0	5	9	8	6									
	13	9677	22	19	12	18	13	82	7	02	2	2	5	5	0	0									
	16	9662	25	23	17	18	05	82	6	02	2	5	6	5	2										
	19	9658	25	24	22	18	09	48	8	71	7	8	6	5											
	22	9660	26	25	23	18	08	58	8	71	7	8	6	5						18	40	274	0008	28	13
09	01	9667	28	27	23	16	06	58	8	71	7	8	6	5											
	04	9673	32	29	24	00	00	82	8	01	7	4	6	5											
	07	9715	30	28	25	05	14	82	6	01	2	3	5	5	8	0									
	10	9761	30	30	28	03	20	66	8	38	3	6	5	5	2										
	13	9811	31	30	29	05	30	08	8	38	3	2	5	5	7										
	16	9885	32	32	31	09	08	48	7	16	3	6	5	5	4										
	19	9903	33	30	26	08	23	16	8	38	3	8	6	5											
	22	9911	32	30	26	11	17	16	8	38	3	8	6	5						07	37	487		34	27

Results of Surface Observations,
WILKES – Apr., 1959

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	9922	33	28	16	22	08	80	8	18	3	8	6	5											
	04	9927	31	28	22	25	04	80	8	02	2	8	6	5											
	07	9938	30	30	30	17	06	08	8	73	2	8	6	5											
	10	9942	30	30	29	16	05	16	8	71	7	8	6	5											
	13	9942	32	32	31	18	06	48	8	71	7	8	6	5											
	16	9938	31	30	29	25	05	60	7	02	2	7	6	5											
	19	9922	29	28	26	19	06	80	3	22	7	3	6	5											
	22	9911	30	28	23	08	08	82	8	03	2	8	6	5						11	43	128	0009	38	26
11	01	9907	30	28	23	07	08	82	8	02	2	8	6	5											
	04	9907	28	27	23	13	01	82	8	02	2	8	6	5											
	07	9919	29	28	27	03	03	16	8	71	7	8	6	5											
	10	9922	27	27	26	36	08	16	8	71	7	8	6	4											
	13	9932	27	27	25	01	08	16	8	71	7	8	6	4											
	19	9943	26	25	23	00	00	16	8	71	7	8	6	4											
	22	9943	26	25	22	00	00	82	8	02	4	8	6	5						02	14	112	0008	32	25
12	01	9942	26	25	22	29	02	82	8	02	2	8	6	5											
	04	9942	27	26	24	31	03	82	8	02	2	8	6	5											
	07	9938	25	25	24	30	08	12	8	10	4	8	6	4											
	10	9932	26	25	22	36	06	08	8	56	4	8	6	4											
	13	9922	27	25	22	31	06	32	8	10	4	8	6	4											
	16	9916	26	24	20	32	08	82	7	02	2	5	5	5	5										
	19	9900	21	20	15	32	14	66	8	02	2	8	5	4											
	22	9885	16	15	12	31	10	74	8	02	2	8	5	5						34	17	212		27	14
13	01	9870	16	16	13	31	07	74	8	02	2	8	5	5											
	04	9858	16	16	13	07	06	74	8	02	2	8	5	5											
	07	9851	14	14	08	18	12	66	8	02	2	8	5	5											
	10	9863	08	17	00	20	27	66	1	36	1	1	5	5	3	0									
	13	9871	05	05	501	18	28	74	2	36	3	0	0	9	0	1									
	16	9877	06	05	501	18	17	82	4	03	0	0	0	9	5	8									
	19	9873	07	07	01	18	20	74	0	02	0	0	0	9	0	0									
	22	9874	04	04	501	16	18	74	0	02	0	0	0	9	0	0				18	32	479	0000	18	04
14	01	9875	05	05	01	16	19	74	0	02	0	0	0	9	0	0									
	04	9875	09	09	04	16	11	74	0	02	0	0	0	9	0	0									
	07	9894	10	09	03	18	11	74	8	03	0	8	5	6											
	10	9897	14	13	06	18	08	74	6	01	2	2	5	6	3	2									
	13	9917	14	13	04	18	07	74	3	01	1	1	5	6	3	2									
	16	9936	11	09	00	00	00	74	6	02	1	3	5	6	0	1									
	19	9953	08	06	509	18	10	74	0	01	0	0													
	22	9946	01	00	508	11	09	74	0	02	0	0								16	21	191	0000	15	00
15	01	9943	05	04	505	07	05	74	0	02	0	0													
	04	9944	07	05	505	17	05	74	0	02	0	0													
	07	9927	06	04	507	17	09	74	2	03	0	0	0	9	0	8									
	10	9909	11	10	02	00	00	74	2	02	0	0	0	9	0	8									
	13	9888	09	08	504	17	10	74	6	03	0	0	0	9	0	8									
	16	9871	05	04	506	08	04	74	8	03	2	0	0	9	7	7									
	19	9859	09	08	01	00	00	74	5	01	2	0	0	9	7	8									
	22	9848	06	06	01	00	00	74	5	02	2	0	0	9	7	8				07	13	113	0000	14	00
16	01	9841	05	04	502	16	07	74	4	02	2	0	0	9	0	8									
	04	9838	06	06	02	25	02	74	8	03	2	8	6	5	0	0									
	07	9840	06	06	01	12	04	74	8	02	2	8	6	4	0	0									
	10	9840	05	05	00	18	11	74	8	02	2	8	6	4											
	13	9837	02	02	503	08	08	74	7	01	2	7	6	5											
	16	9840	502	502	507	09	06	74	2	01	1	2	5	5											
	19	9850	502	502	508	10	08	74	1	02	0	1	5	5											
	22	9851	503	503	508	11	08	74	0	01	0	0								16	12	182	0000	07	507
17	01	9848	505	505	510	10	06	74	0	02	0	0													
	04	9848	503	503	508	11	05	74	0	02	0	0													
	07	9853	504	505	515	00	00	74	0	02	0	0													
	10	9853	02	01	511	09	06	74	0	02	0	0													
	13	9853	03	503	504	09	07	74	0	02	0	0													
	16	9854	503	503	511	09	02	74	1	02	0	1	5	5											
	19	9854	502	503	510	07	06	74	0	02	0	0													
	22	9857	502	503	509	07	06	74	0	02	0	0								09	10	131	0000	03	509
18	01	9848	502	503	510	08	05	74	0	02	0	0													
	04	9847	503	503	510	10	04	74	1	03	0	1	5	5											
	07	9843	02	01	507	00	00	74	7	03	1	5	5	5	3	0									
	10	9838	08	07	01	09	04	74	8	02	2	4	5	5	3	8									
	13	9831	08	07	01	00	00	74	2	01	1	1	5	6	0	8									
	16	9819	04	03	505	08	07	74	2	02	0	0	0	9	4	2									
	19	9806	07	06	505	09	04	74	2	02	0	0	0	9	0	8									
	22	9790	09	07	504	09	17	74	8	03	1	0	0	9	0	7				09	23	156	0000	10	503

Results of Surface Observations,
WILKES – Apr., 1959

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	9781	13	11	01	09	08	74	8	02	2	0	0	9	0	7									
	04	9761	18	16	05	32	03	74	8	02	2	0	0	9	0	7									
	07	9751	14	13	07	17	01	74	8	03	2	6	5	6	7	7									
	10	9744	16	14	07			74	8	01	2	2	5	7	7	7									
	13	9725	22	19	07	21	05	66	8	03	2	3	5	6	7	7									
	16	9707	23	20	10	10	25	59	8	15	3	6	5	6	7	7									
	19	9701	24	22	15	10	19	56	8	22	3	8	5	6											
	22	9696	25	22	13	18	18	66	8	22	7	8	5	5						11	37			29	10
20	01	9688	29	25	13	13	11	66	8	22	3	8	5	5											
	04	9693	28	23	10	18	05	66	8	22	7	8	5	5											
	07	9712	27	22	09	17	10	66	8	02	7	5	5	6	7	7									
	10	9714	25	23	18	09	17	61	7	02	3	4	5	6	7										
	13	9735	26	23	14	19	14	58	6	15	2	2	6	3	7										
	16	9742	25	22	16	11	13	74	6	02	2	6	5	5											
	19	9753	25	23	17	09	22	66	6	02	2	7	5	6	4										
	22	9751	25	23	17	09	26	66	8	38	3	1	6	5	2					09	34	606		31	22
21	01	9753	23	21	18	09	32	58	8	38	3	5	5	8	2										
	04	9751	23	22	17	09	30	58	8	38	3	8	5	8											
	07	9758	20	19	14	09	35	16	6	38	3	4	5	5	2										
	10	9763	20	19	14	09	34	04	7	38	3	6	5	5	0	1									
	13	9774	30	24	10	10	13	56	8	02	3	6	5	5	2	1									
	16	9779	24	20	06	12	13	66	8	02	3	6	5	6	2	8									
	19	9761	18	16	04	04	09	74	8	01	2	0	0	9	2	7									
	22	9750	14	13	07	17	06	74	1	01	1	0	0	9	0	8				09	43	372	0000	32	11
22	01	9733	13	11	02	06	04	74	2	02	0	0	0	9	0	8									
	04	9724	14	12	02	18	15	74	2	02	0	1	5	5	0	8									
	07	9711	17	15	03	09	08	74	8	03	1	1	5	5	0	7									
	10	9711	17	15	03	06	03	74	8	03	2	0	0	9	5	7									
	13	9710	19	17	10	18	11	74	7	02	2	1	6	5	2	5									
	16	9711	23	20	10	16	06	74	7	01	2	1	5	5	7	4									
	19	9716	20	17	09	00	00	74	3	01	1	0	0	9	2										
	22	9729	21	19	09	22	03	74	7	03	1	0	0	9	3					18	20	134	0000	25	10
23	01	9726	20	19	14	00	00	74	8	02	2	8	5	0											
	04	9726	21	20	14	00	00	74	8	02	2	8	5	6											
	07	9741	22	21	16	00	00	74	8	02	2	4	6	5											
	10	9748	21	20	17	20	02	74	8	02	7	3	5	6	2										
	13	9747	22	20	15	00	00	74	8	02	7	1	5	5	5										
	16	9765	20	20	16	02	01	74	8	02	2	2	5	7	2										
	19	9763	22	21	16	34	06	66	8	02	2	8	5	6											
	22	9770	20	19	15	04	08	74	8	02	2	8	5	6						02	10	133		24	16
24	01	9785	18	17	11	04	09	74	8	02	2	8	5	6											
	04	9799	17	16	10	05	08	74	8	02	2	8	5	6											
	07	9809	17	16	12	04	04	74	8	02	2	6	5	6	2										
	10	9820	18	17	13	03	05	74	8	02	2	7	6	5											
	13	9825	19	18	15	03	06	74	7	02	2	5	6	4	2										
	16	9828	15	14	07	06	12	74	1	01	1	1	5	5											
	19	9836	10	09	03	17	05	74	4	02	0	0	0	9	0	6									
	22	9831	10	08	05	09	05	74	8	03	2	0	0	9	0	7				09	19	167		19	07
25	01	9822	07	05	506	17	10	74	8	02	2	0	0	9	0	7									
	04	9819	06	05	502	21	04	74	8	02	2	0	0	9	0	7									
	07	9815	07	06	501	08	14	74	7	02	2	0	0	9	3	0									
	10	9824	09	08	00	24	02	74	7	02	2	1	5	7	3	8									
	13	9834	11	09	502	13	10	74	5	14	1	1	5	5	3	1									
	16	9847	12	10	502	00	00	74	1	01	0	0	0	9	3	0									
	19	9860	12	11	03	17	10	74	6	03	1	0	0	5	0	0									
	22	9868	15	13	04	00	00	74	8	02	2	8	5	6						09	18	147	0000	16	04
26	01	9888	17	15	06	09	09	74	8	02	2	8	5	6											
	04	9911	17	16	09	10	10	74	8	02	2	8	5	6											
	07	9935	18	16	08	09	03	74	8	02	2	8	5	6											
	10	9951	18	16	10	10	04	74	8	02	2	7	5	6	2										
	13	9966	22	19	10	12	07	74	8	70	7	8	5	5											
	16	9970	19	18	12	04	06	58	8	70	7	8	5	5											
	19	9971	17	16	11	08	05	74	6	01	7	0	0	9	2	1									
	22	9968	18	18	14	00	00	58	8	71	7	8	6	4						09	12	097		22	14
27	01	9954	13	12	07	18	06	58	8	71	7	8	6	4											
	04	9931	11	10	05	00	00	74	1	01	7	8	5	5											
	07	9907	12	12	09	04	05	74	8	02	2	8	5	5											
	10	9891	14	13	08	00	00	74	8	02	2	0	0	9	7										
	13	9875	17	15	09	05	01	66	8	71	2	7	6	5											
	16	9865	15	14	08	17	05	66	8	02	7	2	5	5	2										
	19	9856	11	11	07	17	08	66	8	71	2	8	6	5											
	22	9844	11	10	05	18	06	66	8	02	7	8	6	5						18	14	152		19	08

Results of Surface Observations,
WILKES – Apr., 1959

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	07	07	02	18	14	66	8	02	2	8	6	5											
	04	9826	07	06	03	18	12	66	8	02	2	8	6	5											
	07	9810	10	09	05	17	03	74	8	02	2	8	5	5											
	10	9801	14	14	10	14	03	74	8	02	2	7	5	5	2										
	13	9782	10	10	06	17	18	58	8	77	7	8	5	5											
	16	9766	10	09	03	18	14	48	8	77	7	8	5	5											
	19	9761	09	09	05	18	15	74	0	01	7	0	0	9	0	0				18	24	288	0004	17	01
	22	9752	07	07	04	16	14	48	8	71	7	8	6	4											
29	01	9741	503	503	507	18	14	74	1	01	7	1	0	9	3										
	04	9731	501	502	509	00	00	74	0	02	0	0													
	07	9715	502	502	508	00	00	74	1	02	0	1	5	5	0	0									
	10	9713	502	502	506	00	00	74	1	01	0	0	0	9	5	0									
	13	9715	05	05	02	03	03	74	6	76	1	1	5	5	5	0									
	16	9719	02	02	502	09	02	58	6	40	4	2	5	5	3	0									
	16	9719	02	502	502	09	02	58	6	40	4	2	5	5	3	0									
	19	9730	05	05	501	10	03	48	4	76	7	3	6	4	3										
	22	9738	06	05	00	00	00	48	8	10	4	8	6	4						18	19	005	0002	07	504
30	01	9746	05	05	501	00	00	48	8	10	4	8	5	5											
	04	9746	08	07	00	00	00	74	4	01	1	2	5	5	3										
	07	9760	04	03	503	07	06	74	8	14	1	7	5	6	7										
	10	9763	08	07	01	00	00	74	6	01	2	0	0	9	3										
	13	9769	07	06	502	03	03	74	7	02	2	7	0	7	3	0									
	16	9778	06	05	503	09	03	74	7	03	2	7	5	5											
	19	9784	10	09	03	00	00	74	7	02	2	7	5	5											
	22	9787	05	04	502	06	04	74	2	01	1	2	5	6						09	08	075	0000	10	02

Results of Surface Observations,
WILKES – May, 1959

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	9804	04	03	503	16	02	74	0	02	0	0													
	04	9813	03	02	505	09	04	74	0	02	0	0													
	07	9826	03	02	505	11	06	74	1	02	0	1	5	5											
	10	9835	07	06	501	34	05	74	4	03	1	4	8	5											
	13	9847	15	13	04	12	01	74	8	03	1	7	5	5	5										
	16	9858	17	15	06	06	11	74	8	02	2	8	5	5											
	19	9869	19	17	10	08	16	61	8	71	2	8	5	5	6										
	22	9877	21	18	08	10	10	61	8	71	7	8	5	5						09	18	175		22	501
02	01	9883	20	18	11	12	04	66	8	02	7	8	5	5											
	04	9880	21	19	12	30	02	74	8	02	2	8	5	5											
	07	9873	20	18	10	08	13	59	8	38	2	8	5	6											
	10	9874	20	18	11	07	14	61	8	38	3	6	5	6	6	5									
	13	9854	16	15	09	16	06	74	8	02	2	7	5	5											
	16	9868	18	17	13	27	03	74	8	02	2	8	5	5											
	19	9865	18	17	12	19	10	74	8	02	2	8	5	5	6										
	22	9860	15	13	07	18	02	74	6	01	2	6	5	5	7					09	33	192	0000	23	09
03	01	9855	08	06	505	18	08	74	0	01	1	0													
	04	9841	10	07	507	36	10	74	0	02	0	0													
	07	9845	10	09	02	03	07	74	6	02	2	2	5	5	3										
	10	9845	11	11	06			74	7	02	2	9	5	5											
	13	9840	08	07	02	16	11	74	8	02	2	8	5	5											
	16	9839	07	07	03	14	07	74	7	01	2	7	5	5											
	19	9842	07	07	02	17	06	66	8	02	2	8	5	5	5										
	22	9844	09	09	04	18	04	58	8	71	7	8	6	4						18	12	181		12	05
04	01	9860	08	07	02	18	08	66	8	22	7	8	6	4											
	04	9865	08	07	00	18	08	66	8	02	2	8	5	5											
	07	9871	07	07	03	16	12	66	8	71	2	7	5	5	2										
	10	9865	06	06	03	18	13	66	8	02	2	2	5	5	2										
	13	9829	05	05	501	17	15	66	8	71	2	1	5	5	7	7									
	16	9788	11	10	05	16	14	61	8	02	2	8	5	6											
	19	9709	19			11	43	00		39	3														
	22	9646	18			09	43	00		39	3									09	60	776		24	04
05	01	9604	22			09	46	00		39	3														
	04	9607	25			06	42	00		39	3														
	07	9623	25			06	38	04	3	38	3	2													
	10	9641	26	24	19	07	35	58	2	36	3	2	5	5	7										
	13	9644	23	21	14	07	22	66	3	02	3	1	6	5	0	0									
	16	9650	21	20	17	09	17	74	8	03	2	8	5	5	4	0									
	19	9650	21	19	10	09	13	74	1	01	1	1	5	5											
	22	9641	21	20	16	00	00	74	8	03	1	0	0	9	0	7				09	56	416	0000	26	17
06	01	9620	20	19	14	04	06	74	8	02	2	8	0	9	7										
	04	9611	22	21	16	35	10	74	8	02	2	8	0	9	1										
	07	9617	20	18	11	04	14	74	8	03	2	7	5	5	2										
	10	9640	17	16	13	34	13	61	8	02	2	7	6	4											
	13	9684	15	15	11	35	15	61	8	02	2	8	6	3											
	16	9739	10	10	05	04	17	66	8	22	7	6	6	4											
	19	9781	13	11	502	07	11	74	1	01	2	1	5	5	0	0									
	22	9816	17	15	06	15	08	74	7	02	2	7	0	9	1	0				05	22	351		23	09
07	01	9836	16	14	03	13	05	74	0	01	1	0	0	9	0	0									
	04	9850	22	20	15	18	03	16	8	73	7	8	5	5											
	07	9872	23	21	15	09	15	16	8	38	7	8	5	5											
	10	9894	24	21	12	21	16	48	7	73	7	7	6	5											
	13	9907	21	19	13	13	09	66	8	22	7	7	5	5	5										
	16	9921	18	18	14	18	08	48	9	73	7	7	6	5	2										
	19	9920	17	16	12	20	02	66	8	02	7	8	5	4											
	22	9917	17	15	09	00	00	74	8	02	2	8	0	9	2					09	25	194	0023	25	07
08	01	9916	08	07	01	18	09	74	8	02	2	8	0	9	2										
	04	9916	05	05	501	18	13	74	9	02	2	8	0	9	2										
	07	9906	503	503	509	15	05	74	2	03	1	8	0	9	0	1									
	10	9895	501	501	506	06	05	74	6	03	1	0	0	9	5	6									
	13	9874	02	01	509	05	08	74	0	01	0	0	0	9	0	0									
	16	9851	502	503	510	00	00	74	0	02	0	0	0	9	0	0									
	19	9827	502	503	512	18	05	74	0	02	0	0	0	9	0	0									
	22	9801	00	502	515	16	06	74	0	02	0	0	0	9	0	0				18	16	136	0000	10	506
09	01	9759	00	501	511	18	06	74	0	02	0	0	0	9	0	0									
	04	9727	04	03	505	17	04	58	8	71	1	8	5	6											
	07	9721	07	06	00	04	05	16	8	71	7	8	6	5											
	10	9730	09	09	04	24	05	24	8	71	7	8	6	5											
	13	9720	09	08	05	18	05	16	8	71	7	8	6	5											
	16	9703	07	06	03	21	04	16	8	71	7	8	6	5											
	19	9702	07	07	03	18	06	08	8	73	7	8	6	4											
	22	9717	08	07	02	21	04	08	8	73	7	8	6	4						18	17	142	0039	10	502

Results of Surface Observations,
WILKES – May, 1959

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	9739	08	08	03	36	03	32	8	71	7	8	6	4											
	04	9757	08	07	01	30	07	32	8	71	7	8	6	4											
	07	9771	05	05	01	29	08	61	7	01	7	7	6	4	0	0									
	10	9780	07	07	04	01	07	74	2	76	7	1	6	4	0	0									
	13	9786	501	501	505	03	08	74	2	76	7	1	6	4	0	0									
	16	9797	503	503	507	29	12	58	3	10	2	3	6	4	0	0									
	19	9804	00	00	504	30	08	58	8	71	4	8	7	4											
	22	9810	502	502	507	07	08	58	8	71	7	8	6	4						36	13	170	0006	10	507
11	01	9820	504	504	510	20	05	58	8	71	7	8	6	4											
	04	9832	511	512	521	18	06	74	0	01	7	0	0	9	0	0									
	07	9840	514	514	519	18	06	74	2	03	0	2	6	4	0	0									
	10	9834	521	521	526	17	05	48	5	10	1	5	6	4	0	0									
	13	9830	524	524	530	05	07	08	6	46	7	0	0	9	0	8									
	16	9811	518	519	531	16	08	16	8	10	2	8	6	4											
	19	9796	508	508	513	18	08	56	8	10	3	0	0	9	2										
	22	9756	506	506	511	18	03	74	8	02	2	0	0	9	2					18	12	122		503	524
12	01	9724	504	504	510	00	00	16	8	71	2	8	6	5											
	04	9720	00	00	506	04	10	08	8	71	7	8	6	5											
	07	9719	03	02	504	04	06	16	8	71	7	8	6	5											
	10	9704	02	02	502	18	04	16	8	71	7	8	5	5											
	13	9682	04	04	501	17	12	32	8	70	7	8	5	5											
	16	9672	06	06	00	20	04	32	8	71	7	8	5	5											
	19	9679	08	08	04	03	12	32	8	71	7	8	5	5											
	22	9692	05	05	01	02	09	74	8	01	7	0	0	9	1					02	17	294	0007	08	506
13	01	9699	01	01	504	05	08	74	0	02	1	0	0	9	0	0									
	04	9706	506	506	511	18	07	74	0	02	0	0	0	9	0	0									
	07	9705	508	508	513	23	06	74	1	02	0	1	5	5	2										
	10	9698	504	505	512	05	02	61	7	02	1	7	6	4											
	13	9694	507	508	513	17	11	12	8	16	2	8	6	4											
	16	9706	512	512	518	17	16	74	1	01	1	1	6	4											
	19	9739	508	508	514	17	31	04	0	38	1	0													
	22	9787	508	508	514	18	33	08	0	36	3	0	0	9	0	0				18	36	417	0000	01	514
14	01	9826	509	510	516	16	27	16	0	36	3	0	0	9	0	0									
	04	9873	505	505	512	18	20	74	0	01	3	0	0	9	0	0									
	07	9870	503	503	509	16	10	74	7	03	0	2	5	5	2	8									
	10	9880	03	02	508	33	01	74	8	03	2	2	5	5	2	8									
	13	9879	05	04	505	04	08	74	8	02	2	2	5	5	2	8									
	16	9883	06	06	00	06	12	74	8	02	2	0	0	9	2	8									
	19	9882	06	05	01	02	06	74	8	01	2	0	0	9	0	8									
	22	9877	07	06	00	15	09	66	8	78	2	8	6	5						18	33	660		11	510
15	01	9859	08	08	02	17	10	32	8	71	7	8	6	5											
	04	9830	11	10	05	17	05	32	8	71	7	8	6	5											
	07	9885	25	24	22	06	25	08	8	38	7	8	6	5											
	10	9760	25	24	22	06	28	04	8	38	3	8	6	5											
	13	9739	23	22	18	06	30	04	8	38	3	6	5	5	4	1	1								
	16	9721	23	22	19	06	30	04	8	38	3	8	6	5											
	19	9719	23	23	19	05	24	04	8	38	3	8	6	5											
	22	9725	21	20	18	03	17	08	8	73	7	8	6	5						07	37	606	0010	25	07
16	01	9729	19	19	17	03	20	16	8	71	7	8	6	5											
	04	9730	18	17	15	03	21	32	8	71	7	8	6	5											
	07	9734	19	18	14	05	14	32	8	71	7	8	6	5											
	10	9736	17	16	12	03	16	58	8	71	7	7	5	5	2										
	13	9737	15	15	11	01	12	28	8	73	7	8	6	4											
	16	9743	15	15	13	01	15	32	8	71	7	8	6	4											
	19	9751	17	16	13	04	10	32	8	71	7	8	6	4											
	22	9751	16	15	10	16	01	32	8	71	7	8	6	4						02	23	218	0005	20	15
17	01	9745	15	14	09	17	04	32	8	71	7	8	6	5											
	04	9740	12	11	04	04	01	74	0	01	7	0	0	9	0	7									
	07	9734	13	12	07	13	02	74	8	03	7	3	5	5	7	7									
	10	9729	13	12	05	20	01	74	8	03	2	6	5	5	5	7									
	13	9719	14	13	05	04	01	74	8	01	2	1	5	5	5	8									
	16	9719	13	12	05	07	02	74	1	01	1	0	0	9	1	0									
	19	9721	10	09	01	06	02	74	6	03	1	0	0	9	0	8									
	22	9721	07	06	501	01	05	74	6	02	2	0	0	9	0	8				05	09	118		16	04
18	01	9736	10	10	07	03	11	74	4	01	2	0	0	9	0	8									
	04	9760	05	05	01	04	08	74	8	03	2	0	0	9	0	8									
	07	9787	05	04	01	02	04	74	8	71	2	0	0	9	2	7									
	10	9809	03	03	503	05	02	61	8	71	7	0	0	9	5	8									
	13	9838	501	501	505	03	09	74	7	01	7	1	5	5	5	7									
	16	9873	504	504	508	01	08	74	6	01	1	3	5	6	0	8									
	19	9916	04	04	00	03	06	58	8	76	2	0	0	9	7										
	22	9942	05	05	01	15	04	74	8	02	2	0	0	9	5					02	13	124		11	504

Results of Surface Observations,
WILKES – May, 1959

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	9980	08	07	03	14	05	74	2	01	1	0	0	9	3	0									
	04	10002	06	05	503	00	00	74	0	01	0	0	0	9	0	0									
	07	10024	07	05	507	10	03	74	1	01	0	0	0	9	3	0									
	10	10034	05	04	508	00	00	74	1	02	0	0	0	9	3	0									
	13	10036	03	02	512	15	04	74	1	03	0	0	0	9	5	8									
	16	10036	01	00	507	03	04	74	3	02	0	2	5	6	3										
	19	10040	00	501	508	18	04	74	1	01	0	0	0	9	3	1									
	22	10031	01	00	509	16	09	74	4	03	1	0	0	9	0	8				18	13	177	0000	10	502
20	01	10022	13	12	03	00	00	74	8	03	2	0	0	9	0	7									
	04	10011	18	16	08	09	20	74	8	02	2	0	0	9	0	7									
	07	9995	20	19	16	09	29	08	8	22	2	0	0	0	7										
	10	9981	20	19	16	09	29	04	8	38	3	7	5	5	2										
	13	9962	21	20	16	07	30	01	8	39	3	8	5	3											
	16	9949	20	20	18	08	38	00		39	3														
	19	9924	19			08	43	00		39	3														
	22	9919	20			08	47	00		39	3									09	63	1050		22	02
21	01	9920	20			08	56	00		39	3														
	04	9913	21			08	48	00		39	3											1			
	07	9875	22			08	51	00		39	3														
	10	9842	21			08	54	00		39	3														
	13	9889	20			09	42	00		39	3														
	16	9904	20			09	48	00		39	3														
	19	9967	20			08	41	00		39	3														
	22	10017	21			08	40	00		39	3									09	69	1154	0000	22	20
22	01	10074	21			08	35	00		39	3														
	04	10103	22			08	32	00		39	3											1			
	07	10128	23			08	25	56	8	38	3	8	5	5											
	10	10147	26	23	12	13	13	66	8	02	3	2	5	5	2	8									
	13	10139	25	22	14	19	08	66	8	03	2	6	6	4	7										
	16	10147	25	22	15	29	08	74	8	02	2	6	6	5	2										
	19	10117	25	23	15	25	07	74	8	02	2	2	5	5	2										
	22	10106	24	20	05	14	06	74	7	01	2	3	5	5	7	8				09	41	233	0000	28	21
23	01	10084	23	19	03	16	15	74	8	03	2	2	5	5	7										
	04	10066	20	17	06	17	06	74	8	02	2	2	5	5	2										
	07	10048	22	19	07	18	06	74	8	02	2	2	5	5	2										
	10	10027	20	18	11	16	06	61	8	15	2	7	6	5	2										
	13	10013	21	19	13	00	00	74	8	02	7	7	6	5	2										
	16	9988	20	19	12	15	02	74	8	02	2	6	6	5	2										
	19	9969	20	19	15	32	05	32	8	71	7	8	6	4											
	22	9938	15	15	11	00	00	74	8	01	7	0	0	9	0	7				18	17	127		25	12
24	01	9913	10	10	06	04	08	74	8	02	2	0	0	9	0	7									
	04	9892	15	14	08	32	06	74	8	02	2	0	0	9	0	7									
	07	9857	09	08	03	07	07	74	6	02	2	0	0	0	0	8									
	10	9840	07	05	512	05	08	74	4	01	1	0	0	0	0	1									
	13	9825	06	04	511	16	12	74	1	02	1	0	0	0	2	1									
	16	9784	06	04	509	00	00	74	1	02	0	0	0	0	2	0									
	19	9762	14	12	501	16	19	66	8	36	1	0	0	0	7	0									
	22	9695	15			10	45	00		38	3									09	63	516	0000	19	05
25	01	9671	18			13	26	00		38	3														
	04	9671	15			12	33	00		38	3														
	07	9661	15			09	44	00		39	3														
	10	9671	15			09	46	00		39	3														
	13	9689	13			10	51	00		39	3														
	16	9761	18			21	13	08	8	38	3	8	6	5											
	19	9774	16	15	10	05	10	01	8	77	3	8	5	5											
	22	9792	20	18	11	12	08	16	8	79	7	8	5	5						09	71	855	0001	25	13
26	01	9792	20	18	12	09	23	32	8	38	3	8	5	5											
	04	9822	20	19	13	10	38	16	8	38	3	8	5	5											
	07	9852	21	19	14	09	30	02	8	38	3	8	5	5											
	10	9887	19	17	10	05	20	56	8	38	3	1	5	5	5										
	13	9917	20	18	11	05	21	56	8	38	3	7	5	5	5										
	16	9951	20	18	12	06	12	61	8	02	3	8	5	5	6										
	19	9983	20	19	13	04	06	61	8	71	2	8	5	6											
	22	10000	15	15	09	09	22	74	1	01	7	0	0	0	2					09	48	543		26	15
27	01	10008	16	14	05	09	30	74	0	01	0	0	0	0	0	0									
	04	10019	17	15	06	09	30	74	0	02	0	0	0	0	0	0									
	07	10028	20	17	04	09	26	74	7	03	1	5	5	6	0	8									
	10	10034	16	14	01	09	26	74	8	02	2	2	5	6	0	8									
	13	10025	20	16	02	09	25	74	8	03	2	1	5	6	2										
	16	10011	21	18	07	16	11	74	8	02	2	0	0	0	2										
	19	9970	21	20	15	09	39	02	8	39	2	8	5	5											
	22	9928	21	20	15	08	46	01		39	3									09	63	888	0000	24	15

Results of Surface Observations, WILKES – May, 1959

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	9925	21	20	11	08	44	01		39	3														
	04	9935	20	19	13	08	39	01		39	3														
	07	9955	23	21	15	07	24	02	8	39	3	8	6	4											
	10	9964	24	22	16	06	20	74	8	02	3	7	5	5	3										
	13	10002	24	23	18	02	13	66	8	03	2	7	6	5	2										
	16	10018	25	23	18	04	15	16	8	71	7	8	6	5											
	19	10054	22	21	18	10	06	58	8	77	7	8	6	5						09	61	407	0012	26	20
	22	10066	23	22	19	03	15	66	8	71	7	8	6	5											
29	01	10088	22	22	19	03	14	74	8	02	7	0	0	0	2										
	04	10106	21	21	18	35	06	74	8	77	2	8	6	5											
	07	10110	20	20	17	21	06	66	8	71	7	8	6	5											
	10	10108	18	18	15	18	04	58	8	71	7	8	6	5											
	13	10090	18	17	14	18	04	66	8	71	7	8	6	5											
	16	10079	15	14	10	18	08	74	8	02	2	7	6	5	3										
	19	10066	15	14	10	16	08	74	6	01	2	0	0	0	2										
	22	10047	16	15	10	05	08	74	8	03	2	8	6	4						05	17	164		24	13
30	01	10029	15	15	12	05	13	74	8	02	2	8	6	4											
	04	10023	09	09	05	17	11	74	8	02	2	8	6	4											
	07	10016	07	07	03	18	06	58	8	71	2	7	6	3	1										
	10	10010	06	06	01	17	04	66	8	71	7	8	6	4											
	13	10010	04	04	501	20	08	66	8	71	7	8	6	4											
	16	10011	01	01	503	18	04	04	8	71	7	8	6	2											
	19	10013	500	500	504	18	03	04		71	7														
	22	10017	02	02	502	03	15	74	0	02	4	0	0	0	0	0				05	22	197	0002	16	501
31	01	10020	02	02	504	04	16	74	0	02	0	0	0	0	0	0									
	04	10027	501	501	506	13	04	74	0	02	0	0	0	0	0	0									
	07	10027	508	508	513	18	08	74	1	03	1	0	0	0	0	1									
	10	10014	505	506	511	18	10	74	8	03	1	0	0	0	3	8									
	13	9996	501	502	511	17	09	74	8	02	1	0	0	0	5	7									
	16	9990	502	503	512	18	06	74	8	02	2	0	0	8	5	7									
	19	9985	500	500	506	20	08	74	8	02	2	8	5	6											
	22	9968	02	02	504	17	13	74	8	02	2	8	5	4						02	21	205	0000	04	508

Results of Surface Observations,
WILKES – Jun., 1959

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	9962	02	02	504	17	11	74	8	02	2	8	5	4											
	04	9957	05	05	501	17	07	74	8	02	2	8	5	4											
	07	9948	11	11	08	36	05	48	8	73	2	7	5	5	2										
	10	9941	09	09	06	12	05	12	6	73	7	8	6	4											
	13	9932	12	12	09	18	08	06		73	7														
	16	9934	15	15	12	17	10	04		73	7														
	19	9943	17	17	13	16	01	04		73	7														
	22	9951	17	16	12	17	10	74	4	01	7	0	0	0	1	0				18	14	176	0015	18	02
02	01	9964	14	13	00	11	05	74	0	01	0	0	0	0	0	0									
	04	9974	11	09	501	05	06	74	0	02	0	0	0	0	0	0									
	07	9978	17	15	08	09	20	58	6	39	1	0	0	0	7	8									
	10	9964	16	16	512	09	38	00		39	3														
	13	9936	17			09	46	00		39	3														
	16	9912	16			09	47	00		39	3														
	19	9895	18			11	43	00		39	3														
	22	9863	19			09	60	00		39	3									09	76	1346	0000	20	10
03	01	9868	17			09	59	00		39	3														
	04	9867	18			09	62	00		39	3														
	07	9887	20			08	50	01		39	3														
	10	9929	21	19	14	08	49	32	8	38	3	2	5	6	7										
	13	9971	21	20	14	08	43	56	8	39	3	2	5	5	7										
	16	10028	23	21	14	08	35	56	6	38	3	2	5	5	7										
	19	10057	21	19	12	08	35	59	4	38	3	2	5	5	7										
	22	10066	22	21	17	09	36	62	8	38	3	0	0	0	2					09	83	1144	0000	27	17
04	01	10070	20	18	12	09	46	62	8	08	3	0	0	0	2										
	04	10057	19	17	10	09	46	66	8	38	3	0	0	0	2										
	07	10031	22	19	11	09	47	48	8	38	3	2	5	5	2										
	10	10018	21	19	12	09	48	24	8	38	3	2	5	6	7										
	13	10007	22	19	10	10	42	61	8	02	3	2	5	6	7										
	16	9987	23	19	04	10	40	61	8	02	2	1	5	6	7										
	19	10018	20	17	05	17	10	66	6	02	1	1	5	6	7										
	22	9993	20	17	05	18	16	74	0	02	1	0	0	0	0	0				09	61	794	0000	26	17
05	01	9978	19	14	510	10	27	74	0	02	0	0	0	0	0	0									
	04	9948	19	15	506	09	26	74	0	02	0	0	0	0	0	0									
	07	9933	15	12	504	16	24	74	1	03	0	0	0	0	0	0									
	10	9922	06	06	00	16	14	74	8	03	1	1	5	6	7	1									
	13	9913	05	04	504	16	19	74	7	02	1	1	5	6	7	8									
	16	9922	02	01	506	16	17	74	4	01	1	0	0	0	0	8									
	19	9940	03	03	501	16	08	74	2	01	1	0	0	0	0	8									
	22	9958	01	01	504	17	15	74	0	02	0	0	0	0	0	0				09	35	325	0000	22	501
06	01	9963	03	02	508	17	04	74	0	02	0	0	0	0	0	0									
	04	9968	03	02	506	17	09	74	0	02	0	0	0	0	0	0									
	07	9968	501	501	506	16	15	74	2	03	0	0	0	0	0	0									
	10	9966	502	503	509	16	12	74	2	02	0	0	1	5	5	5									
	13	9948	501	501	508	16	10	74	1	02	0	0	1	5	5	7									
	16	9929	501	501	506	20	04	74	1	02	0	0	1	5	5	0									
	19	9904	503	503	508	16	07	74	0	02	0	0	0	5	5	1									
	22	9884	03	02	505	00	00	74	6	03	1	0	0	9	1	0				18	17	124	0000	05	503
07	01	9849	04	04	503	16	08	74	8	02	2	0	0	9	2										
	04	9828	11	09	503	18	09	74	8	02	2	0	0	9	2										
	07	9816	10	08	504	09	05	74	8	02	2	0	0	0											
	10	9811	09	08	502	10	05	74	8	02	2	0	8	7											
	13	9809	14	11	504	01	08	61	8	02	2	2	8	7											
	16	9810	13	11	01	07	28	61	8	02	2	2	8	7											
	19	9826	14	12	02	05	31	56	8	38	2	8	5	7											
	22	9839	16	14	08	20	03	58	8	77	3	8	5	7						05	36	231	0007	16	04
08	01	9821	14	14	10	00	00	16	8	77	7	8	5	7											
	04	9812	14	14	11	15	08	32	8	73	7	8	5	7											
	07	9793	13	13	10	15	01	32	8	71	7	8	5	7											
	10	9786	14	13	10	00	00	62	8	71	7	8	5	5											
	13	9793	14	14	10	02	18	04	8	38	7	8	5	5											
	16	9815	12	11	05	08	16	66	8	02	7	8	6	5											
	19	9805	14	13	07	09	15	66	8	02	3	8	5	6											
	22	9768	14			06	38	00		39	3	0	0	0	1					09	51	546	0015	17	11
09	01	9745	16																						
	04	9747	18			09	47	00		39	3														
	07	9735	19			08	51	00		39	3														
	10	9726	19			08	59	00		39	3														
	13	9707	19			08	57	00		39	3														
	16	9662	19			08	49	00		39	3														
	19	9652	21			09	62	00		39	3														
	22	9693	21			08	58	00		39	3														
						08	42	00		39	3									09	78	1062	0000	22	16

Results of Surface Observations,
WILKES – June, 1959

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	9732	21			08	28	00		39	3														
	04	9754	21			24	08	02	8	73	7	8	6	4								1			
	07	9768	19	19	16	28	02	04	8	77	7	8	6	4											
	10	9776	20	18	12	05	09	61	8	02	7	7	5	5	3										
	13	9800	20	19	15	05	14	61	8	71	7	7	6	5											
	16	9826	18	16	10	05	12	66	7	01	7	2	5	5	7										
	19	9834	17	15	07	06	13	61	7	02	2	2	5	5	7										
	22	9839	19	17	10	03	10	66	8	02	2	8	5	5						07	40	232	0021	22	14
11	01	9850	19	17	08	00	00	66	8	02	2	8	5	5											
	04	9865	18	17	13	20	13	61	8	71	7	8	6	5											
	07	9885	17	17	14	18	04	56	8	71	7	8	6	5											
	10	9908	15	14	09	00	00	66	8	02	7	2	5	5	5										
	13	9919	12	12	07	00	00	74	0	01	2	0	0	5	3	8									
	16	9940	06	06	01	07	08	74	0	02	0	0	0	0	0	0									
	19	9944	05	05	01	00	00	74	0	02	0	0	0	0	0	0									
	22	9948	07	07	01	09	04	74	0	02	0	0	0	0	0	0				27	17	102	0004	20	05
12	01	9960	08	06	503	00	00	74	0	02	0	0	0	0	0	0									
	04	9957	07	06	501	15	10	74	0	02	0	0	0	0	0	0									
	07	9842	10	09	04	16	06	74	8	03	0	8	6	4											
	10	9892	13	13	09	04	18	08	8	73	7	8	6	4											
	13	9831	16	15	12	08	30	00		39	7														
	16	9810	19	18	14	05	37	02	8	39	3	8		5	5										
	19	9839	18	17	12	05	18	08	8	71	7	8		6	5										
	22	9859	16	15	12	20	08	04	8	73	7	8		6	5					09	44	364	0010	20	06
13	01	9872	16	16	12	00	00	08	8	71	7	8		6	5										
	04	9884	13	12	08	25	12	08	8	71	7	8		6	5										
	07	9910	11	11	07	32	12	16	8	71	7	8		6	4										
	10	9937	08	08	04	36	16	48	8	71	7	8		6	4										
	13	9965	05	05	01	27	04	06		73	7														
	16	9972	02	02	503	29	06	66	7	01	7	7		6	4										
	19	9978	02	02	503	16	08	74	8	03	2	8		6	4										
	22	9959	506	506	512	18	12	74	8	38	3	8		6	4					36		214	0026	16	507
14	01	9957	507	507	513	17	10	74	0	01	1	0		0	0	0									
	04	9952	505	505	511	17	03	74	0	02	0	0		0	0	0									
	07	9954	504	504	509	18	10	74	8	71	7	8		6	4										
	10	9961	508	508	514	18	15	58	8	40	7	8		6	4										
	13	9962	513	513	519	17	20	16	8	40	7	8		6	4										
	16	9942	518			17	25	08	8	38	3	8		6	4										
	19	9940	515	515	521	17	22	16	8	38	3	8		6	5										
	22	9957	510	510	515	18	12	60	8	38	3	8		6	5					18	29	312		01	8
15	01	9957	516			00	00	74	0	01	3	0		0	0	0									
	04	9960	512	512	518	06	08	70	0	02	0	0		0	0	0									
	07	9969	518	518	525	12	06	74	0	76	7	0		0	0	1									
	10	9971	516	516	524	12	02	74	0	02	0	0		5	6	0									
	13	9970	516	516	524	06	06	74	0	02	0	0		5	5	3									
	16	9970	518	518	526	10	04	74	0	02	0	0		5	5	0									
	19	9953	517	517	525	14	02	74	0	02	0	0		0	0	0									
	22	9949	514	514	521	00	00	74	0	02	0	0		0	0	0				36	15	119		509	520
16	01	9960	514	514	521	17	08	74	0	02	0	0		0	0	0									
	04	9962	517	517	525	00	00	74	0	02	0	0		0	0	0									
	07	9952	515	515	523	00	00	74	0	02	0	0		0	0	0									
	10	9961	515	515	521	10	08	74	0	02	0	0		0	0	0									
	13	9957	511	511	517	16	02	74	0	02	0	0		0	0	0									
	16	9961	505	506	522	11	08	74	1	02	0	0		0	0	1									
	19	9962	508	509	522	15	02	74	1	02	0	0		0	0	1									
	22	9962	510	510	519	18	04	74	0	02	0	0		0	0	0				16	13	081	0000	504	520
17	01	9952	509	509	520	00	00	74	0	02	0	0		0	0	0									
	04	9933	508	509	519	00	00	74	0	02	0	0		0	0	0									
	07	9925	507	507	516	00	00	74	0	02	0	0		0	0	0									
	10	9913	511	511	521	00	00	74	1	03	0	0		0	0	0									
	13	9915	506	507	521	07	08	74	0	01	0	0		0	0	0									
	16	9931	512	513	522	08	04	74	0	02	0	0		0	0	0									
	19	9935	513	513	524	00	00	74	0	02	0	0		0	0	0									
	22	9940	514	515	528	09	09	74	0	02	0	0		0	0	0				07	14	068	0000	504	515
18	01	9940	514	515	526	00	00	74	0	02	0	0		0	0	0									
	04	9937	513	514	522	00	00	74	0	02	0	0		0	0	0									
	07	9920	515	515	525	04	05	74	0	02	0	0		0	0	0									
	10	9911	511	511	521	03	07	74	0	02	0	0		0	0	0									
	13	9907	515	515	525	00	00	74	1	03	0	0	1	5	5	0									
	16	9905	515	515	524	00	00	74	0	02	0	0		0	0	0									
	19	9906	514	515	532	06	01	74	0	02	0	0	1	5	5	0									
	22	9906	514	515	530	07	04	74	0	02	0	0		0	0	0				05	11	092	0000	510	517

Results of Surface Observations,
WILKES – Jun., 1959

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	9908	515	515	531	07	04	74	0	02		0	0	0	0	0									
	04	9908	514	515	526	05	06	74	0	02		0	0	0	0	0									
	07	9916	514	515	524	06	05	74	0	02		0	0	0	0	0									
	10	9919	515	516	524	13	03	74	0	02		0	0	0	0	0									
	13	9916	514	515	535	04	05	74	0	02		0	0	0	0	0									
	16	9911	516	516	526	00	00	74	0	02		0	0	0	0	0									
	19	9908	516	516	527	09	01	74	1	02		1	5	5	0	0									
	22	9904	516	516	531	00	00	74	0	02		0	0	0	0	0				05	09	076	0000	511	519
20	01	9901	514	514	525	09	04	74	0	02		0	0	0	0	0									
	04	9889	509	509	519	00	00	74	8	03		1	0	0	0	7									
	07	9862	511	512	522	18	09	74	8	02		2	0	0	0	7									
	10	9839	509	510	521	20	10	74	8	02		2	0	0	4	7									
	13	9833	505	506	516	20	06	74	8	03		2	1	5	5										
	16	9831	505	505	512	05	09	66	8	01		2	0	0	5	7									
	19	9841	501	502	514	18	10	66	8	02		2	0	0	2										
	22	9848	503	504	511	17	08	66	8	01		2	0	0	2	7				18	16	136	0000	00	515
21	01	9862	504	504	511	18	06	74	8	02		2	0	0	0	7									
	04	9879	503	504	511	00	00	74	8	02		2	0	0	0	7									
	07	9905	503	504	512	00	00	74	6	02		2	0	0	0	7									
	10	9922	505	506	515	18	09	74	8	03		2	0	0	2	6									
	13	9934	501	502	512	18	05	16	8	71		2	8	6	4										
	16	9941	01	00	506	17	05	16	8	71		7	8	6	4										
	19	9943	02	02	503	16	05	16	8	71		7	8	6	4										
	22	9935	02	02	502	18	09	16	8	71		7	8	6	4					18	14	181	0012	02	506
22	01	9923	01	01	503	18	14	16	8	71		7	8	6	4										
	04	9911				18	10																		
	07	9875	01	01	506	18	15	08	8	71		7	8	6	4										
	10	9847	502	502	507	18	27	04	8	38		3	0	0	0	2									
	13	9809	501	501	507	18	23	16	8	38		3	0	0	0	7									
	16	9781	502	503	510	17	20	16	8	38		3	0	0	0	7									
	19	9758	03	02	510	17	19	66	8	02		3	0	0	4	7									
	22	9746	502	502	509	09	01	74	5	02		2	0	0	0	2				18	32	438	0012	06	508
23	01	9737	505	505	514	16	12	74	0	01		1	0	0	0	0									
	04	9732	508	509	519	18	19	74	0	02		0	0	0	0	0									
	07	9727	505	505	509	00	00	02		47		4													
	10	9718	503	503	508	14	03	02		49		4													
	13	9712	01	01	507	18	07	32	8	02		4	8	6	3										
	16	9718	04	04	00	02	06	16	8	02		4	8	6	3										
	19	9728	03	03	501	01	05	16	8	78		4	8	6	3										
	22	9737	03	03	501	35	07	16	8	71		7	8	6	3					16	22	122		05	510
24	01	9745	502	502	506	01	09	16	8	71		7	8	6	3										
	04	9741	506	506	512	15	02	48	2	76		7	1	6	4										
	07	9711	501	502	507	17	10	48	8	02		2	0	0	0	1									
	10	9657	13	13	10	09	35	00		39		3													
	13	9591	15	14	11	09	48	00		39		3													
	16	9571	16			09	55	00		39		3													
	19	9583	19			08	50	00		39		3													
	22	9624	18	18	17	08	42	01	2	39		3	0	0	0	5				09	69	1101	0001	1	50
25	01	9625	19	19	17	08	42	01	8	39		3	0	0	0	3									
	04	9649	21	21	18	09	35	01	3	39		3	0	0	0	7									
	07	9649	21	21	18	09	36	01	3	39		3	0	0	0	7						1			
	10	9628	21			09	46	00		39		3													
	13	9597	20			09	57	00		39		3													
	16	9599	20			10	71	00		39		3													
	19	9555	19			10	63	00		39		3													
	22	9571	20	20	17	10	55	01		39		3								09	99	1286	0000	24	17
26	01	9587	22	20	15	10	46	01	7	39		3	7	5	7										
	04	9598	23	21	15	09	44	08	8	38		3	8	5	6										
	07	9650	24	23	21	17	02	16	8	75		7	8	5	5							1			
	10	9672	22	22	19	03	02	16	8	75		7	8	5	5										
	13	9717	22	22	19	06	18	48	8	36		7	8	5	5										
	16	9767	23	22	20	04	30	48	8	36		3	8	5	5										
	19	9820	22			34	15	16	8	73		7	8	6	5										
	22	9869	14	14	14	03	15	08	8	73		7	8	6	5					09	64	320	0030	26	13
27	01	9920	13	13	13	04	13	04		73		7													
	04	9943	14	14	11	31	08	08		73		7													
	07	9965	11	11	08	06	08	32	8	71		7	8	6	4										
	10	9965	09	09	05	05	10	66	8	02		7	8	6	4										
	13	9969	07	07	02	07	03	74	6	01		0	5	5	5	2									
	16	9961	09	08	03	17	06	74	4	01		7	4	5	5										
	19	9949	13	12	06	16	09	74	8	03		7	8	5	5										
	22	9948	03	02	505	10	02	74	0	02		1	0	0	9	0	0			05	17	080	0023	14	503

Results of Surface Observations,
WILKES – Jun., 1959

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	9918	01	01	503	17	01	74	0	02	1	0	0	9	0	0									
	04	9901	504	505	511	18	06	74	0	02	0	0	0	9	0	0									
	07	9879	509	510	516	18	03	74	0	02	0	0	0	0	0	0									
	10	9867	510	510	515	00	00	74	0	02	0	0	0	0	0	0									
	13	9847	513	513	518	16	06	74	0	02	0	0	0	0	0	0									
	16	9837	513	513	518	00	00	74	0	02	0	0	0	0	0	0									
	19	9827	513	513	518	00	00	74	0	02	0	0	0	0	0	0									
	22	9819	514	514	520	00	00	74	0	02	0	0	0	0	0	0				20	10	035	0000	03	518
29	01	9823	517	517	523	03	09	74	1	03	0	0	0	0	2	0									
	04	9833	508	508	514	16	08	74	1	02	0	0	0	0	0	1									
	07	9847	510	510	517	17	06	74	0	02	0	0	0	0	0	0									
	10	9847	508	508	514	00	00	74	6	03	0	0	0	0	7	8									
	13	9839	507	507	514	00	00	74	8	03	1	0	0	0	7	2									
	16	9823	500	501	506	00	00	74	8	02	2	0	0	0	7										
	19	9804	04	03	505	26	03	74	8	02	2	8	5	7											
	22	9776	18	17	12	08	23	08	8	38	3	8	5	5						09	33	362	0000	18	518
30	01	9747	17	17	14	09	36	01		39	3														
	04	9726	16	15	12	10	35	01	6	39	3	0	0	0	7										
	07	9748	17	15	08	22	15	74	8	18	3	0	0	0	7										
	10	9729	18	17	11	14	24	59	8	36	3	0	0	0	2										
	13	9698	15	14	09	17	22	01		70	3														
	16	9620	16			09	62	00		39	3														
	19	9620	14			10	64	00		39	3														
	22	9622	13	13	08	10	60	01		39	3									09	76	1273		25	13

Results of Surface Observations,
WILKES — Jul., 1959

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	9651	13	13	09	10	57	01	4	39	3	4	0	9	7										
	04	9651	12	11	03	10	62	02	6	38	3	6	5	7											
	07	9664	12			09	65	04	6	38	3	0	0	0	7										
	10	9680	14			10	58	32	8	38	3	8	5	6											
	13	9679	15			10	52	62	8	36	3	5	5	5	2										
	16	9681	17	17	13	09	46	56	8	02	3	5	5	5	2										
	19	9700	16	14	06	10	41	66	8	02	3	0	0	0	2										
	22	9721	19	17	10	23	12	66	8	02	2	0	0	0	2					09	75	895	0000	21	11
02	01	9734	25	21	07	10	22	66	8	02	2	2	5	5	2	8									
	04	9738	18	15	01	16	14	66	8	02	2	2	5	5	2										
	07	9735	23	20	09	09	24	66	8	02	2	0	0	0	2										
	10	9745	21	18	06	29	09	66	8	02	2	5	5	5	2	8									
	13	9748	19	17	09	18	09	48	8	76	2	7	5	5	2										
	16	9748	16	15	11	16	09	32	8	73	7	8	5	5											
	19	9752	13	12	09	17	07	59	6	71	7	2	5	5	2										
	22	9751	12	11	09	17	08	59	8	71	7	6	5	5	2					09	40	205	0020	28	11
03	01	9754	12	11	08	16	05	66	8	71	7	7	5	5	2										
	04	9760	12	11	07	15	02	66	8	01	2	2	5	5	2	8									
	07	9776	10	10	05	00	00	74	8	02	2	8	5	5											
	10	9786	05	05	01	09	07	74	8	02	2	7	5	5	2										
	13	9803	11	11	08	00	00	16	8	71	7	8	5	5											
	16	9818	11	10	06	03	03	74	8	71	7	0	0	0	2										
	19	9830	11	10	06	36	10	74	8	71	7	0	0	0	2										
	22	9841	12	12	06	05	05	74	8	02	2	0	0	0	2					34	10	104	0002	14	05
04	01	9843	07	07	01	16	08	66	8	71	2	8	5	5											
	04	9829	05	05	05	16	07	61	8	71	7	8	6	3											
	07	9813	05	05	01	17	06	61	8	71	7	8	6	3											
	10	9789	02	02	502	18	08	66	8	02	7	6	5	5	2										
	13	9763	00	00	504	18	11	74	8	02	2	2	6	4	2	8									
	16	9753	00	00	504	17	05	74	1	01	1	1	5	5											
	19	9762	05	05	02	36	11	74	0	01	0	0	0	0	0	0									
	22	9769	07	07	03	30	13	66	8	71	1	8	6	4						34	17	209		08	502
05	01	9784	06	05	501	36	13	66	8	71	1	8	6	4											
	04	9796	04	04	503	06	08	66	8	71	7	8	6	4											
	07	9808	05	04	502	05	05	74	8	02	7	8	6	4											
	10	9823	05	05	501	18	06	74	8	02	2	8	6	5											
	13	9856	04	04	503	12	05	74	8	02	2	7	5	5	2										
	16	9880	500	500	505	09	07	74	8	02	2	8	6	4											
	19	9907	02	01	505	14	06	74	8	02	2	8	6	4											
	22	9930	03	02	505	04	06	74	8	02	2	8	6	4						34	17	145		07	501
06	01	9945	03	03	503	08	05	74	8	02	2	8	6	4											
	04	9945	01	01	504	08	10	74	8	02	2	8	6	4											
	07	9939	03	03	502	07	08	74	8	02	2	8	6	4											
	10	9909	03	03	503	17	10	74	8	02	2	8	6	4											
	13	9835	18	18	15	07	35	00		39	3														
	16	9810	20	20	18	09	36	00		39	3														
	19	9797	21			07	38	00		39	3														
	22	9788	18	18	16	07	36	00		39	3									07	51	761	0000	21	00
07	01	9826	19	19	16	06	30	01	6	39	3	6	5	5											
	04	9874	20	19	16	05	22	02	6	71	3	6	6	4											
	07	9910	22	20	15	02	16	74	8	02	3	8	6	4											
	10	9951	17	17	12	02	10	66	8	71	7	8	6	4											
	13	9997	17	16	11	02	10	62	8	73	7	8	6	4											
	16	10043	15	15	11	03	10	58	8	76	7	8	6	4											
	19	10082	13	13	09	10	02	66	8	02	7	8	5	5											
	22	10099	13	13	09	11	09	66	8	03	2	8	6	3						07	37	193	0006	23	11
08	01	10124	13	12	09	07	07	66	8	02	2	8	6	4											
	04	10124	10	09	06	10	07	66	8	01	2	2	6	4	0	8									
	07	10103	10	09	01	19	06	74	3	01	2	0	0	0	2	8									
	10	10094	10	10	05	00	00	66	8	03	2	3	5	6	2										
	13	10061	11	10	05	00	00	66	8	02	2	8	5	6											
	16	10030	15	14	09	27	02	74	8	02	2	8	5	7											
	19	9989	25	23	18	06	22	32	8	36	3	8	5	5											
	22	9901	22	22	20	08	45	00		39	3									09	57	546	0000	27	06
09	01	9875	22	22	20	08	41	01	5	39	3	4	5	5											
	04	9864	20	20	18	08	44	00		39	3														
	07	9889	19	19	15	07	32	01	8	38	3	8	5	4											
	10	9900	19	18	14	05	24	32	8	36	3	8	6	4											
	13	9903	18	17	11	06	20	56	8	36	7	3	7	5											
	16	9900	18	16	08	06	15	66	5	01	2	3	5	7	0	8									
	19	9902	18	17	12	10	02	66	8	03	2	8	5	6											
	22	9902	18	17	12	34	06	66	8	02	2	8	5	6						07	56	278	0013	23	14

Results of Surface Observations,
WILKES – Jul., 1959

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	9896	15	15	10	34	02	66	8	02	2	6	5	6	2										
	04	9896	14	13	08	04	03	66	8	01	2	8	4	2	0										
	07	9900	14	13	08	00	00	66	8	02	2	8	6	4											
	10	9909	13	12	07	12	05	66	8	71	7	7	5	4	2										
	13	9918	15	13	05	36	08	66	8	02	7	8	6	4											
	16	9915	13	12	08	09	05	66	8	71	7	8	6	4											
	19	9917	10	10	05	09	05	66	8	71	7	8	6	4											
	22	9911	10	09	04	09	08	66	8	02	7	8	6	4						09	11	139		16	06
11	01	9894	09	08	03	11	06	66	8	01	2	4	6	4	0	8									
	04	9875	11	10	03	13	06	66	8	02	2	2	6	4	2										
	07	9858	10	09	03	14	01	74	8	02	2	0	0	0	0	7									
	10	9838	08	08	02	14	02	74	8	02	2	0	0	0	2										
	13	9816	09	08	501	06	07	74	8	02	2	0	0	0	2										
	16	9802	10	09	01	14	06	74	8	02	2	0	0	0	0	7									
	19	9785	18	15	04	16	20	74	8	02	2	0	0	0	0	7									
	22	9771	20	15	510	08	20	74	6	18	2	0	0	0	0	8				20	50	300	0000	23	08
12	01	9755	17	13	505	21	30	66	3	18	2	0	0	0	0	8									
	04	9742	25	19	507	09	36	66	8	18	3	0	0	0	2										
	07	9728	17	16	08	12	15	66	8	18	3	0	6	4											
	10	9688	10			09	58	00		39	3														
	13	9691	08			10	62	00		39	3														
	16	9703	07			11	60	00		39	3														
	19	9740	08			12	63	00		39	3														
	22	9721	05			10	71	00		39	3									11	81		0000	28	04
13	01	9740	04			10	71	00		39	3														
	04	9760	04			10	68	00		39	3														
	07	9772	04			10	66	00		39	3														
	10	9850	11	09	501	18	20	32	6	36	3	5	6	4	0	8									
	13	9861	12	09	510	07	04	61	8	03	3	1	6	3	4	1									
	16	9879	06	05	506	18	05	74	3	01	2	0	0	0	0	8									
	19	9886	06	04	508	16	09	74	8	03	2	1	0	0	0	7									
	22	9882	02	01	514	06	06	74	1	01	1	0	0	0	0	1				09	81		0000	20	01
14	01	9880	08	06	503	29	08	74	1	02	1	0	0	0	0	1									
	04	9877	502	502	510	08	04	74	1	02	0	0	0	0	0	1									
	07	9871	500	501	506	18	08	74	3	03	1	3	5	5	0										
	10	9866	504	505	512	16	12	74	8	03	1	8	5	5											
	13	9870	505	505	510	16	11	32	8	40	2	8	6	5											
	16	9873	510	510	518	17	14	62	8	70	7	8	6	5											
	19	9865	505	506	515	20	05	62	8	70	7	8	6	5											
	22	9858	508	508	516	18	06	74	3	01	7	3	5	5	0	0				16	20			09	510
15	01	9847	510	510	516	17	07	74	1	02	1	1	5	5	0	0									
	04	9832	514	514	523	10	08	74	1	02	0	1	5	5	0	0									
	07	9822	513	513	522	11	05	74	1	02	0	1	5	5	0	0									
	10	9810	514	514	522	18	10	74	8	03	1	8	5	5											
	13	9809	510	511	517	18	11	66	8	71	7	8	5	5											
	16	9814	511	511	518	09	12	66	7	71	7	7	5	5											
	19	9826	515	516	538	07	12	74	0	01	7	0	0	0	0	0									
	22	9830	518	518	532	10	08	74	1	02	0	1	5	5	0	0				09	21			509	518
16	01	9823	515	515	526	10	08	74	1	02	0	1	5	5	0	0									
	04	9812	509	510	519	18	14	58	8	71	7	8	5	5											
	07	9793	503	504	512	09	18	74	8	02	7	8	5	5											
	10	9798	505	505	511	16	12	32	8	71	7	8	5	5											
	13	9790	506	507	513	17	12	04	8	73	7	8	6	4											
	16	9775	506	506	512	16	12	04	8	73	7	8	6	4											
	19	9769	507	507	513	19	10	74	5	01	7	0	0	0	2	0									
	22	9759	511	511	518	20	05	74	1	01	1	0	0	0	0	2				09	25		0006	501	516
17	01	9748	510	510	520	20	09	74	1	02	1	0	0	0	0	2									
	04	9731	509	510	523	06	02	74	1	02	0	0	0	0	0	2									
	07	9722	506	507	514	04	06	74	1	03	0	0	0	0	2	0									
	10	9730	500	501	509	02	10	74	6	03	0	0	0	0	5	8									
	13	9744	501	502	517	18	03	74	3	01	0	0	0	0	5	8									
	16	9751	00	501	512	05	03	74	3	02	0	0	0	0	0	6									
	19	9754	00	501	510	00	00	74	3	02	0	0	0	0	3	0									
	22	9761	00	501	511	00	00	74	6	03	1	0	0	0	3	0				36	13		0000	03	511
18	01	9780	05	04	504	12	04	66	8	03	1	8	5	5	7										
	04	9790	09	08	00	08	08	66	8	02	2	8	5	5	5										
	07	9801	10	09	02	09	14	74	8	02	2	8	5	5	6										
	10	9815	12	11	04	13	05	56	8	71	7	8	5	5	6										
	13	9821	11	10	05	20	06	48	8	71	7	8	5	5	6										
	16	9828	09	09	04	20	07	58	8	71	7	8	5	5	5										
	19	9839	11	10	01	14	15	58	8	71	7	0	0	0	7	2									
	22	9844	10	07	506	09	07	58	8	71	7	8	5	7						09	21		0001	13	04

Results of Surface Observations,
WILKES — Jul., 1959

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	9846	08	07	502	22	01	66	8	22	7	8	5	7											
	04	9848	08	06	504	07	04	66	8	02	2	0	0	7	3	0									
	07	9851	05	04	506	04	06	66	4	01	1	2	5	7	2	0									
	10	9867	09	08	501	33	03	74	8	03	1	6	5	7	2	5									
	13	9874	09	09	04	25	06	66	8	03	2	8	5	7											
	16	9879	08	07	00	12	05	62	8	02	2	8	5	6											
	19	9886	07	06	01	09	05	62	8	71	7	8	5	6											
	22	9889	07	06	00	20	01	62	8	71	7	8	5	6						27	09		0001	10	04
20	01	9891	07	06	00	03	03	62	8	71	7	8	5	6											
	04	9898	06	05	501	05	06	62	8	71	7	8	5	6				8							
	07	9905	05	05	501	16	06	74	7	01	2	5	5	6	3										
	10	9912	05	04	502	04	06	74	7	02	1	6	5	6	3										
	13	9912	03	02	507	18	02	74	5	01	1	2	5	7	3										
	16	9912	00	501	508	20	02	74	5	02	1	2	5	7	3										
	19	9912	00	501	511	10	11	74	7	03	1	0	5	0	3										
	22	9903	04	03	510	06	05	74	1	01	1	0	0	0	3					11	13			08	504
21	01	9899	06	04	506	24	01	74	7	03	1	0	0	0	5										
	04	9891	07	06	505	06	01	66	8	03	2	8	5	6											
	07	9878	08	06	503	09	18	58	8	38	7	8	5	6											
	10	9869	09	07	506	09	15	61	8	36	3	8	5	7											
	13	9868	08	07	501	20	10	66	8	02	3	8	5	7											
	16	9870	09	07	505	10	11	66	8	02	3	8	5	7											
	19	9881	04	03	504	10	14	74	1	01	1	1	5	7											
	22	9890	04	03	508	08	13	74	6	03	1	6	5	7						09	20			12	04
22	01	9891	08	06	503	09	13	66	8	71	1	8	5	6											
	04	9891	09	08	501	18	08	74	8	02	2	8	5	6											
	07	9884	10	09	01	16	06	74	8	02	2	8	5	6											
	10	9869	09	08	01	16	04	74	8	02	2	7	5	6	2										
	13	9852	07	06	502	16	11	74	8	02	2	8	5	6											
	16	9837	03	02	504	15	04	74	8	02	2	7	5	6	2										
	19	9832	05	05	00	18	05	74	8	02	2	3	5	6	2										
	22	9831	05	04	504	18	07	74	8	02	2	8	5	6						09	16			12	00
23	01	9835	04	03	505	24	06	74	6	02	2	0	0	0	3	0									
	04	9850	03	02	508	18	01	74	1	01	1	0	0	0	3	0									
	07	9873	02	01	509	03	04	74	2	03	1	0	0	0	3	8									
	10	9889	504	505	517	16	06	74	2	02	1	0	0	0	0	8									
	13	9878	00	501	510	18	02	74	1	01	1	0	0	0	0	1									
	16	9867	505	505	515	17	06	74	0	02	0	0	0	0	0	0									
	19	9852	507	508	517	15	07	74	0	02	0	0	0	0	0	0									
	22	9837	509	509	519	18	05	74	0	02	0	0	0	0	0	0				18	13		0000	07	509
24	01	9811	508	509	520	20	07	74	1	02	0	0	0	0	0	1									
	04	9802	511	511	521	19	08	74	1	02	0	0	0	0	0	1									
	07	9801	506	507	515	00	00	74	3	03	0	0	0	0	0	8									
	10	9801	506	507	518	04	11	74	5	03	0	0	0	0	0	8									
	13	9803	504	505	516	04	02	74	8	03	1	0	0	0	0	7									
	16	9806	505	506	515	09	07	74	8	02	1	0	0	0	0	7									
	19	9791	502	503	519	00	00	74	1	01	1	0	0	0	0	8									
	22	9775	505	505	517	09	01	74	2	02	1	0	0	0	2	8				16	12		0000	00	514
25	01	9757	502	503	514	05	06	74	3	02	1	0	0	0	2	8									
	04	9752	02	01	510	27	02	66	8	03	1	2	5	5											
	07	9757	01	00	511	07	05	66	8	02	1	2	5	5											
	10	9776	03	02	507	03	10	74	8	02	2	2	5	5											
	13	9778	01	01	504	06	05	74	8	01	2	2	5	5											
	16	9784	00	00	504	30	13	74	8	03	2	2	5	5											
	19	9792	505	506	510	31	10	74	8	02	2	2	5	5											
	22	9797	508	508	512	35	05	66	8	01	2	2	5	6	3					29	15			04	509
26	01	9803	511	511	518	11	04	74	3	22	2	1	6	3	0	8									
	04	9826	507	507	513	17	07	74	8	02	1	8	5	6											
	07	9824	00	00	505	19	07	74	8	02	2	8	5	6											
	10	9837	06	05	502	20	02	74	8	02	2	8	5	4											
	13	9850	07	07	00	18	07	74	8	02	2	8	5	5											
	16	9860	02	01	507	07	08	74	1	01	1	0	5	0	0	0									
	19	9858	02	01	510	02	05	74	0	01	0	0	5	0	0	0									
	22	9856	01	00	506	19	09	74	8	03	1	8	5	6						05	18			10	511
27	01	9859	05	04	503	16	08	66	8	22	1	3	5	6	2										
	04	9860	08	07	00	05	10	61	8	22	2	2	5	6	2										
	07	9880	502	502	507	04	16	56	8	85	2	4	5	6	3										
	10	9904	502	502	508	03	16	58	7	36	3	7	5	5											
	13	9921	502	502	509	04	14	74	8	03	3	7	5	5	2										
	16	9938	503	504	512	01	03	74	7	02	2	7	5	6											
	19	9939	509	509	514	07	07	74	0	01	1	0	0	0	0	0									
	22	9941	505	506	514	07	06	74	7	02	1	7	6	5	0	0				05	23		0001	10	510

Results of Surface Observations,
WILKES – Jul., 1959

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	9941	505	505	512	13	09	74	3	01	1	3	5	5	0	0									
	04	9948	509	509	515	04	09	74	0	02	0	0	0	0	0	0									
	07	9948	512	512	517	18	07	74	0	02	0	0	0	0	0	0									
	10	9919	513	513	518	18	16	74	0	02	0	0	0	0	0	0									
	13	9889	510	510	515	18	04	74	0	02	0	0	0	0	0	0									
	16	9880	514	514	519	20	06	74	0	02	0	0	0	0	0	0									
	19	9871	515	515	520	18	01	74	0	02	0	0	0	0	0	0				18	22			09	518
	22	9880	500	502	522	17	08	74	8	03	1	8	5	5											
29	01	9888	11	10	01	15	08	66	8	22	7	0	0	0	2										
	04	9873	13	12	05	16	20	66	8	02	2	0	0	0	2										
	07	9849	09	08	501	18	10	66	8	02	2	0	0	0	2										
	10	9837	09	08	504	18	20	74	4	01	2	0	0	0	0	8									
	13	9828	10	09	01	15	07	74	7	03	1	2	5	5	2	8									
	16	9830	11	10	02	15	03	74	7	03	2	5	5	6	2	0									
	19	9833	14	12	05	18	04	74	8	03	2	8	5	6						16	30			19	05
	22	9847	17	14	05	14	02	74	8	02	2	5	6	4											
30	01	9869	16	15	08	16	09	66	8	71	2	8	5	6											
	04	9886	17	16	13	16	08	66	8	71	7	0	0	0	2										
	07	9908	17	16	10	17	02	74	8	02	7	8	5	6											
	10	9930	19	17	11	14	08	62	8	02	2	8	5	5											
	13	9949	19	18	13	16	06	66	8	02	2	8	5	7											
	16	9967	18	17	13	22	05	58	8	71	7	8	5	7											
	19	9983	17	16	11	20	02	66	8	01	7	6	5	7						13	15			20	14
	22	9994	17	15	10	00	00	66	8	02	2	0	0	0	2										
31	01	10000	15	15	11	35	04	66	7	01	2	0	0	0	2	0									
	04	10004	13	12	07	04	08	74	1	02	1	0	0	0	2	0									
	07	10000	10	09	02	04	08	74	0	01	0	0	0	0	0	0									
	10	9997	06	06	02	04	06	74	8	03	0	0	0	0	0	7									
	13	9994	06	06	03	16	02	74	8	02	2	0	0	0	0	7									
	16	9994	02	02	501	34	05	74	1	01	0	0	0	0	0	8									
	19	9999	501	501	505	22	02	74	0	01	0	0	0	0	0	8				05	10			16	505
	22	10004	502	502	506	18	02	74	2	02	0	0	0	0	0	8									

Results of Surface Observations,
WILKES — Aug., 1959

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	01	10006	501	501	505	03	06	74	1	02	0	0	0	0	0	8									
	04	10027	503	503	507	12	05	74	2	02	0	0	0	0	0	8									
	07	10028	504	504	507	10	05	74	1	01	0	0	0	0	0	8									
	10	10025	501	501	505	35	04	74	1	02	0	0	0	0	0	8									
	13	10014	500	500	504	36	02	74	1	02	0	0	0	0	0	8									
	16	10012	501	501	506	03	04	74	1	02	0	0	0	0	0	8									
	19	10008	505	505	509	18	01	74	0	02	0	0	0	0	0	0									
	22	10004	506	507	514	22	01	74	0	02	0	0	0	0	0	0				13	10		0000	01	508
02	01	9998	502	503	512	20	05	74	0	02	0	0	0	0	0	0									
	04	9991	501	500	510	14	02	74	0	02	0	0	0	0	0	0									
	07	9979	05	04	506	14	06	74	0	02	0	0	0	0	0	0									
	10	9975	08	07	503	27	05	74	2	03	0	0	0	0	0	0									
	13	9965	12	11	03	00	00	74	7	03	0	7	5	6	0	0									
	16	9962	09	08	01	13	12	74	5	01	1	5	5	6	0	0									
	19	9954	07	06	503	11	12	74	0	01	0	0	0	0	0	0									
	22	9964	501	501	506	02	03	74	0	02	0	0	0	0	0	0				09	20		0000	16	508
03	01	9964	501	501	506	12	04	74	1	02	0	0	0	0	0	8									
	04	9959	06	05	505	13	07	74	3	01	0	0	0	0	5	0									
	07	9959	00	00	505	09	08	74	2	02	0	2	5	5	0	8									
	10	9962	501	501	506	18	05	74	4	03	0	2	5	5	0	8									
	13	9961	04	04	501	04	04	58	7	18	1	6	5	5	3										
	16	9959	15	13	05	04	07	66	8	03	1	5	5	5	3										
	19	9945	16	15	09	08	30	16	8	38	3	6	0	0	2										
	22	9947	18	16	09	08	28	16	8	38	3	0	0	0	2	0				09	37		0000	19	503
04	01	9939	19	17	09	09	32	04	8	18	3	8	5	5											
	04	9947	18	16	09	09	31	08	8	18	3	8	6	4											
	07	9962	19	18	12	09	25	16	8	38	3	8	5	8											
	10	9983	22	20	14	09	20	74	8	18	3	8	5	6											
	13	10012	21	18	10	13	13	74	8	02	2	2	5	6	3										
	16	10016	21	19	14	21	08	74	8	18	3	3	5	6	3										
	19	10022	22	21	17	18	08	74	3	01	1	3	5	6	0	0									
	22	10023	11	10	04	36	02	74	3	02	0	0	0	0	3	0				09	46		0000	27	09
05	01	10025	10	09	03	12	02	74	2	02	0	0	0	0	3	0									
	04	10022	09	08	02	12	04	74	4	02	0	0	0	0	2	0									
	07	10022	09	08	01	09	02	74	7	03	1	5	5	5	0	8									
	10	10020	05	04	502	34	03	74	8	03	1	1	5	5	0	7									
	13	10021	09	08	501	08	07	74	8	02	2	0	0	0	0	8									
	16	10017	06	06	02	03	06	74	2	01	0	0	0	0	2	7									
	19	10034	02	01	506	19	03	74	1	01	0	0	0	0	2	8									
	22	10024	03	02	509	18	09	74	2	02	0	0	0	0	2	1				11	11		0000	13	01
06	01	10024	04	03	509	16	03	74	2	02	0	0	0	0	2	1									
	04	10019	00	500	508	05	11	74	2	02	0	0	0	0	2	1									
	07	10017	12	10	503	04	07	74	3	03	0	0	0	0	2	8									
	10	10017	10	08	502	14	10	74	8	03	0	0	0	0	2										
	13	10017	12	10	501	20	12	74	8	02	2	0	0	0	2										
	16	10010	07	06	501	23	08	74	8	02	2	0	0	0	2	7									
	19	10012	05	05	501	04	14	74	2	01	1	0	0	0	2	0									
	22	10013	08	06	507	05	11	74	4	02	0	0	0	0	2	8				05	34		0000	28	00
07	01	10015	03	02	510	14	04	74	2	02	0	0	0	0	0	8									
	04	10007	08	06	515	23	07	74	1	02	0	0	0	0	0	8									
	07	10022	12	10	504	14	11	74	2	18	0	0	0	0	0	8									
	10	10015	00	502	515	18	28	74	5	03	0	0	0	0	0	8									
	13	9932	502	502	507	11	45	04	2	39	0	0	0	0	0	8									
	16	9929	503	504	514	18	12	74	1	02	3	0	0	0	0	8									
	19	9898	506	506	513	18	08	74	0	02	0	0	0	0	0	0									
	22	9884	503	504	517	35	05	74	0	18	0	0	0	0	0	0				11	49		0000	19	507
08	01	9848	504	506	524	10	12	74	0	02	0	0	0	0	0	0									
	04	9845	509	509	520	07	08	74	0	02	0	0	0	0	0	0									
	07	9825	509	510	523	10	20	74	1	02	0	1	5	6	0	0									
	10	9797	505	505	514	09	26	74	1	02	0	1	5	6	0	0									
	13	9778	503	504	520	09	19	74	5	03	0	3	5	6	0	0									
	16	9757	506	507	519	18	18	74	5	02	1	2	5	6	3	0									
	19	9718	500	500	504	16	10	59	8	71	7	8	5	7	4										
	22	9680	06	05	504	17	08	66	8	02	7	6	6	4						07	39		0003	12	511
09	01	9666	10	10	08	06	37	00		39															
	04	9782	06	06	03	03	11	08		73	3														
	07	9790	10	08	505	09	16	74	8	02	7	8	5	5											
	10	9748	13	12	07	09	30	01	7	38	3	5	5	7	2										
	13	9759	14	13	06	09	22	32	8	36	3	2	5	5	2										
	16	9752	16	15	10	06	22	62	8	02	3	0	5	0	2										
	19	9753	15	13	01	03	17	62	8	02	2	8	0	6											
	22	9775	17	15	07	06	17	66	8	02	2	0	0	0	2					07	48		0003	18	02

Results of Surface Observations,
WILKES – Aug., 1959

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	9791	17	15	05	07	22	66	8	02	2	0	0	0	2									
	04	9812	18	15	05	05	13	66	8	02	2	0	0	0	2									
	07	9836	17	15	05	08	05	66	8	02	2	8	5	7										
	10	9860	18	16	10	01	02	62	8	15	7	2	6	5										
	13	9868	16	15	08	09	32	04	8	38	3	8	5	5										
	16	9900	18	17	11	09	30	66	7	01	3	6	5	5	2									
	19	9950	17	14	00	09	38	66	5	36	3	0	0	0	2	0								
	22	9983	18	15	03	09	31	58	7	38	2	2	5	6	7	0				09	43			23	16
11	01	10008	17	14	01	10	33	66	8	02	2	0	0	0	7									
	04	10026	16	14	03	21	05	66	8	02	2	0	0	0	2									
	07	10034	14	12	00	18	02	74	8	02	2	8	5	7										
	10	10032	13	12	07	00	00	74	7	01	2	2	5	7	2									
	13	10018	13	12	05	07	07	74	8	03	2	0	0	0	2	7								
	16	10018	11	10	02	04	05	74	6	01	1	0	0	0	2	8								
	19	10011	09	07	503	16	03	74	3	01	1	0	0	0	0	8								
	22	9998	04	03	508	18	02	74	3	02	0	0	0	0	0	8				09	36		0000	19	01
12	01	9975	04	02	512	03	06	74	3	02	0	0	0	0	0	8								
	04	9971	00	501	515	19	02	74	3	02	0	0	0	0	0	8								
	07	9960	05	02	517	14	02	74	1	01	0	0	0	0	0	8								
	10	9953	03	01	514	00	00	74	3	03	0	0	0	0	0	8								
	13	9946	06	04	510	09	07	74	2	01	0	0	0	0	0	5								
	16	9940	02	00	512	31	04	74	2	02	0	0	0	0	0	5								
	19	9943	504	504	511	32	03	74	2	02	0	0	0	0	0	5								
	22	9944	505	506	518	19	02	74	8	03	1	0	0	0	0	7				18	14		0000	09	506
13	01	9939	505	505	514	36	01	74	8	02	1	0	0	0	0	7								
	04	9938	507	507	517	10	01	74	3	01	1	0	0	0	0	8								
	07	9943	511	511	516	18	05	74	3	02	0	0	0	0	0	5								
	10	9948	512	512	518	14	06	74	3	02	0	0	0	0	2	5								
	13	9948	509	510	516	21	03	74	6	03	0	0	0	0	2	8								
	16	9963	511	511	518	00	00	74	2	01	1	2	5	6	0	5								
	19	9960	508	508	517	04	07	74	3	02	0	0	0	9	0	8								
	22	9951	507	507	516	16	10	74	8	03	1	0	0	0	2					11	19		0000	502	514
14	01	9948	504	504	512	17	07	74	8	02	1	0	0	0	5									
	04	9935	504	505	513	18	06	74	3	01	1	0	0	0	5	0								
	07	9914	01	00	510	14	07	74	4	02	0	0	0	0	0	8								
	10	9884	00	501	512	16	10	74	8	03	1	0	0	0	2	7								
	13	9835	05	04	504	16	12	61	8	02	2	0	0	0	2	8								
	16	9807	11	10	05	27	06	04	8	71	7	8	5											
	19	9752	11			09	46	00		39	7													
	22	9726	11	10	03	09	42	08	8	38	3	8	5	5						09	50			13	507
15	01	9707	11	10	501	09	46	08	8	38	3	8	5	5										
	04	9711	23	18	502	11	16	61	8	02	2	2	5	5	2									
	07	9731	16	16	13	18	03	32	8	71	7	8	5	5										
	10	9734	15	14	11	09	06	16	8	71	7	8	5	5										
	13	9742	15	14	09	09	02	62	8	71	7	6	5	5	1									
	16	9749	09	09	04	31	04	74	8	01	1	2	5	5	2									
	19	9762	06	06	02	04	04	74	7	03	1	0	0	0	3	8								
	22	9772	08	08	04	36	02	74	7	02	2	0	0	0	3	0				09	53		0009	25	03
16	01	9785	04	04	01	00	00	74	1	03	1	0	0	0	4	0								
	04	9797	03	03	501	22	01	74	1	02	0	1	6	5	0	0								
	07	9812	504	504	508	26	02	74	1	02	0	1	6	5	4	1								
	10	9826	01	01	503	07	02	74	6	03	0	1	6	4	3									
	13	9840	07	07	04	00	00	74	7	03	1	7	5	6	4									
	16	9856	09	09	06	04	07	58	8	15	1	2	6	4										
	19	9868	10	10	06	01	07	58	8	71	7	0	0	0	2									
	22	9882	09	09	05	03	05	66	8	02	7	8	8	5						02	14		0002	10	509
17	01	9901	09	09	04	33	10	61	8	22	7	7	6	4										
	04	9923	501	501	505	02	10	74	8	02	2	8	6	5										
	07	9943	505	505	509	02	10	74	6	01	2	6	6	5										
	10	9954	508	508	512	04	08	74	2	01	1	2	5	5										
	13	9963	507	507	511	04	07	74	6	03	1	6	5	5										
	16	9976	503	503	507	02	04	66	8	03	2	6	6	4										
	19	9982	502	502	506	34	01	69	7	02	2	7	5	5										
	22	9980	505	505	509	10	05	74	5	01	2	5	5	5						02	14			10	512
18	01	9987	513	513	518	21	02	74	1	03	1	1	5	5	0	8								
	04	9987	516	516	521	36	02	74	4	03	1	0	0	0	2	8								
	07	9965	511	511	516	14	02	74	8	03	2	0	0	0	2									
	10	9962	508	508	512	18	02	74	8	02	2	0	0	0	5	8								
	13	9943	506	506	510	00	00	74	8	02	2	0	0	0	9	7								
	16	9924	505	505	509	14	01	74	8	02	2	0	0	0	2									
	19	9895	503	503	507	18	07	74	8	02	2	0	0	0	2									
	22	9849	01	01	08	16	08	66	8	02	2	0	0	0	2					16	14			15	518

Results of Surface Observations,
WILKES – Aug., 1959

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	9774	14	14	10	09	29	04	8	38	7	2	5	5	2										
	04	9730	14	14	12	09	38	01	8	39	3	8	5	5											
	07	9701	12	11	07	09	40	00		39	3														
	10	9689	10	09	05	10	46	00		39	3														
	13	9721	11	10	03	13	15	01		39	3														
	16	9732	12	12	09	20	14	01		77	7														
	19	9748	10	09	05	09	16	01		77	7														
	22	9759	10	10	06	16	10	04		73	7									09	56		0054	22	07
20	01	9768	07	07	04	04	03	04		73	7														
	04	9781	05	04	00	20	02	57	8	71	7	2	6	5	3										
	07	9792	500	501	505	04	04	74	7	01	7	2	5	5	3	8									
	10	9799	501	501	506	04	08	74	7	01	7	2	5	5	2	8									
	13	9815	05	04	505	07	07	74	5	01	7	5	5	7											
	16	9840	01	01	504	00	00	74	1	01	1	0	0	0	3	0									
	19	9855	509	509	516	00	00	74	0	01	0	0	0	0	0	0									
	22	9868	503	504	511	15	02	74	1	03	0	0	0	0	5	0				09	16		0004	10	509
21	01	9876	502	503	515	06	13	74	1	02	0	0	0	0	4	0									
	04	9874	511	511	518	20	03	74	1	02	0	0	0	0	4	0									
	07	9867	507	508	517	11	10	74	1	02	0	1	6	4	0	0									
	10	9851	502	503	512	00	00	74	5	03	1	1	5	7	5										
	13	9833	505	505	514	14	06	74	1	01	0	1	5	7	0	0									
	16	9804	504	504	511	16	13	74	2	02	0	1	6	5	0	8									
	19	9793	509	509	513	00	00	74	0	01	0	0	0	0	0	0									
	22	9774	506	506	513	21	04	74	2	03	0	1	5	5	0	8				09	18		0000	05	512
22	01	9744	503	503	510	00	00	74	8	03	1	1	5	6	1										
	04	9725	09	08	04	21	12	16	8	79	7	8	6	5											
	07	9661	10	09	04	09	42	00		39	7														
	10	9633	08	08	05	09	54	00		39	3														
	13	9661	09	09	07	09	49	00		39	3														
	16	9623	10	09	05	18	12	08	8	71	3	8	5	5											
	19	9636	10	10	08	34	02	08		77	7														
	22	9639	10	10	06	23	04	08		77	7									09	68		0027	18	505
23	01	9647	12	12	08	02	10	32	8	77	7	8	5	5											
	04	9655	09	08	01	36	10	59	8	71	7	2	6	5	7										
	07	9675	06	05	502	35	06	61	8	71	7	7	5	5	2										
	10	9665	06	06	501	04	01	66	6	01	7	0	0	0	7										
	13	9691	07	05	508	06	10	66	3	01	1	1	5	6	0	8									
	16	9696	06	05	507	04	05	32	8	38	3	0	0	0	3	7									
	19	9694	04	03	506	19	12	61	2	01	3	0	0	0	3	0									
	22	9689	06	05	505	07	04	66	2	02		0	0	0	3	0				09	30			12	01
24	01	9681	07	06	503	09	06	66	8	03	1	0	0	0	1										
	04	9677	13	11	01	11	06	66	8	03	2	0	0	0	2										
	07	9683	14	12	04	00	00	66	8	02	7	0	0	0	2										
	10	9692	13	12	04	04	09	66	8	02	2	0	0	0	2	8									
	13	9701	11	09	502	14	08	66	7	01	2	0	0	0	3										
	16	9699	11	10	01	08	08	74	8	03	2	0	0	0	3	7									
	19	9701	03	02	505	01	03	74	0	01	0	0	0	0	0	0									
	22	9701	05	04	507	03	04	74	0	02	0	0	0	0	0	0				09	26			16	503
25	01	9703	01	00	507	00	00	74	8	03	1	8	6	4											
	04	9703	04	03	503	00	00	74	8	02	2	8	6	5											
	07	9710	01	01	502	00	00	61	8	02	2	2	6	5	2										
	10	9725	07	07	03	34	07	74	6	01	2	6	5	5											
	13	9735	03	03	503	04	09	74	1	01	1	1	5	5	0	0									
	16	9739	501	501	505	09	09	74	1	02	0	1	5	5	0	0									
	19	9739	505	505	509	00	00	74	0	01	0	0	0	0	0	0									
	22	9739	505	505	513	04	06	74	0	02	0	0	0	0	0	0				02	12		0000	08	508
26	01	9737	506	506	516	07	02	74	0	02	0	0	0	0	0	0									
	04	9737	508	508	516	00	00	74	0	02	0	0	0	0	0	0									
	07	9745	504	505	510	00	00	74	7	03	1	7	5	5											
	10	9749	02	01	506	21	06	74	8	03	2	8	5	5											
	13	9749	00	00	504	16	11	56	8	18	2	8	5	5											
	16	9747	501	501	505	16	12	57	8	18	2	8	5	5											
	19	9752	03	03	502	30	02	61	8	22	7	8	5	5											
	22	9754	502	502	508	00	00	62	8	02	2	8	5	6						18	17			05	509
27	01	9752	507	507	514	17	08	66	8	02	2	8	5	5											
	04	9752	510	510	517	16	11	66	8	02	2	8	5	5											
	07	9759	511	511	518	16	07	74	8	02	2	8	5	5											
	10	9767	509	509	515	18	05	66	8	02	2	8	5	5											
	13	9785	504	505	515	04	22	32	8	36	3	8	5	5											
	16	9821	508	508	516	02	11	62	8	02	3	8	5	5											
	19	9843	509	509	513	14	05	62	8	02	3	8	5	6											
	22	9847	508	509	518	02	08	66	8	02	2	8	5	6						02	26		0000	503	513

Results of Surface Observations,
WILKES – Aug., 1959

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	9855	509	509	516	03	08	66	8	71	7	8	5	4											
	04	9857	510	510	515	02	08	66	8	71	7	8	5	5											
	07	9871	511	511	518	02	14	66	8	02	7	8	5	5											
	10	9876	512	512	519	15	04	66	8	15	2	8	5	5											
	13	9878	514	514	520	17	12	59	8	15	2	8	5	5											
	16	9874	514	514	520	20	10	66	8	02	2	8	5	5											
	19	9871	516	516	524	18	10	66	8	02	2	8	5	5											
	22	9872	515	515	521	18	08	60	8	71	7	8	5	5						02	18			507	517
29	01	9857	516	516	523	18	08	60	8	71	7	8	5	5											
	04	9857	517	518	524	18	09	60	8	71	7	8	6	5											
	07	9859	519	519	524	22	04	32	8	71	7	8	5	6											
	10	9858	520	520	529	22	04	66	3	01	7	1	5	6	0	8									
	13	9854	521	521	526	04	07	61	4	02	1	0	0	0	0	8									
	16	9848	526	526	531	04	07	74	2	01	1	2	6	5	0	0									
	19	9837	528	528	534	07	06	74	0	01	0	0	0	0	0	0									
	22	9826	526	526	532	06	06	74	0	02	0	0	0	0	0	0				18	12		0003	515	529
30	01	9825	527	527	533	00	00	74	0	02	0	0	0	0	0	0									
	04	9818	526	526	532	07	08	74	0	02	0	0	0	0	0	0									
	07	9829	526	526	532	31	02	61	8	76	7	1	6	5	3	7									
	10	9826	524	524	530	08	02	61	1	40	7	1	6	4	3										
	13	9817	524	524	530	05	07	66	1	40	1	1	6	4	0	1									
	16	9803	522	526	535	15	02	74	1	40	0	1	6	4	0	1									
	19	9778	530	530	539	08	09	74	1	40	0	1	6	4	0	1									
	22	9749	530	530	541	00	00	74	0	02	0	0	0	0	0	0				05	11			521	534
31	01	9688	523	523	531	16	12	74	0	02	0	0	0	0	0	0									
	04	9632	528	528	536	00	00	74	0	02	0	0	0	0	0	0									
	07	9578	519	519	531	24	07	61	1	18	3	1	6	4	0	1									
	10	9535	512	512	521	04	10	64	1	18	0	1	6	4	0	0									
	13	9530	512	512	518	03	10	24	8	71	7	8	6	5											
	16	9527	515	516	526	36	02	24	8	71	7	8	6	4											
	19	9525	516	516	522	02	14	24	8	71	7	8	6	5											
	22	9522	517	517	522	04	18	16	8	36	3	8	6	5						05	23		0001	510	533

Results of Surface Observations,
WILKES – Sep., 1959

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	9549	519	519	526	04	12	74	0	01	3	0	0	0	0	0									
	04	9576	521	521	530	07	14	74	0	02	3	0	0	0	0	0									
	07	9601	521	521	530	08	12	74	5	03	3	0	1	5	5	8									
	10	9623	519	520	532	07	12	74	8	03	3	0	1	6	5	7									
	13	9648	517	517	525	08	07	74	8	02	2	0	1	5	5	7									
	16	9667	518	518	532	05	07	74	8	03	2	0	1	5	5	7									
	19	9692	519	519	526	06	07	74	0	01	0	0	0	0	0	0									
	22	9705	518	518	527	06	06	74	8	03	1	0	0	9	1	0				05	18		0000	516	524
02	01	9718	517	517	525	06	07	74	8	03	2	0	0	8	2	0									
	04	9730	513	513	519	04	06	74	0	01	1	0	0	0	0	0									
	07	9747	512	512	518	04	08	32	8	76	7	8	0	5	5										
	10	9754	511	511	518	07	12	61	8	76	7	8	0	5	5	2									
	13	9762	510	510	518	06	08	74	4	01	7	2	2	5	5	0									
	16	9769	513	513	517	07	10	74	5	03	1	1	1	5	5	0									
	19	9782	517	518	527	10	10	74	5	02	2	1	1	5	5	0									
	22	9791	519	519	528	11	07	40	0	11	0	0	0	0	0	0				07	12			509	520
03	01	9799	519	519	530	00	00	74	0	02	0	0	0	0	0	0									
	04	9799	519	519	529	00	00	74	0	02	0	0	0	0	0	0									
	07	9805	519	519	525	18	02	74	1	02	0	1	5	5	0										
	10	9798	516	516	523	19	04	74	7	03	1	7	5	6											
	13	9778	511	511	519	18	03	61	7	03	1	7	5	6											
	16	9766	509	509	521	16	08	66	7	02	2	7	5	6											
	19	9753	513	513	522	16	09	74	6	02	2	6	5	7											
	22	9733	512	512	522	18	10	74	6	02	2	6	5	7						18	14		0000	507	521
04	01	9720	517	517	526	18	06	74	0	01	1	0	0	0	0	0									
	04	9710	516	516	524	17	08	74	0	02	1	0	0	0	0	0									
	07	9711	516	516	524	18	08	74	7	03	1	7	5	6											
	10	9711	512	513	521	16	10	74	2	01	1	0	0	0	3	0									
	13	9711	506	506	514	20	05	62	8	03	1	8	5	6											
	16	9716	502	502	508	16	10	08	8	73	7	8	6	4											
	19	9721				18	12	16	8	73	7	8	6	4											
	22	9719	507	507	512	21	10	74	0	01	1	0	0	0	0	0				16	17		0002	00	520
05	01	9715	508	508	513	17	11	74	0	02	0	0	0	0	0	0									
	04	9713	511	511	516	20	03	74	0	02	0	0	0	0	0	0									
	07	9728	510	510	515	03	07	74	8	03	1	5	6	5	0	8									
	10	9738	04	03	502	04	18	59	2	36	3	0	0	0	3	5									
	13	9750	501	501	506	03	12	58	6	15	3	6	5	5											
	16	9755	00	00	505	03	14	58	6	03	2	6	5	5											
	19	9764	501	501	506	02	12	66	8	03	2	8	6	4											
	22	9765	00	00	506	02	12	74	8	02	2	8	0	9	2					05	20		0000	06	513
06	01	9764	502	502	508	03	12	74	8	02	2	8	0	9	2										
	04	9765	504	504	510	03	10	74	8	02	2	8	0	9	2										
	07	9757	506	506	511	03	10	16	8	71	7	8	6	4											
	10	9749	504	504	509	03	06	66	8	02	7	8	6	4											
	13	9730	503	503	508	03	10	58	8	71	7	8	5	4											
	16	9705	503	503	508	04	18	04	8	71	7	8	6	4											
	19	9783	505	505	510	03	17	48	8	71	7	8	6	4											
	22	9764	505	505	511	02	09	48	8	72	7	8	6	4						02	20			00	506
07	01	9640	506	506	513	08	14	66	8	02	2	8	6	4											
	04	9637	510	511	518	10	15	66	8	02	2	8	6	4											
	07	9640	515	515	522	17	05	66	2	01	1	1	5	4	0	5									
	10	9633	515	516	525			59	1	40	1	0	0	9	3	0									
	13	9615	516	516	524	03	07	59	1	40	0	0	0	9	0	5									
	16	9610	521	521	530	22	06	59	1	40	0	1	6	3											
	19	9596	526	526	533	22	04	66	0	76	7	0	0	0	0	0									
	22	9580	521	522	529	28	08	74	0	02	0	0	0	9	0	0				07	19			505	527
08	01	9567	522	522	531	04	14	74	8	03	1	0	0		2										
	04	9560	524	524	529	06	13	74	0	01	1	0	0	9	0	0									
	07	9567	525	525	531	07	10	74	1	02	1	1	5	5	2										
	10	9579	520	520	527	05	10	74	1	02	0	1	5	5											
	13	9605	520	520	527	04	08	74	1	02	0	1	5	5											
	16	9622	522	522	539	09	12	64	1	40	0	1	5	4	2	0									
	19	9632	524	524	533	09	14	66	1	02	0	1	5	4											
	22	9638	525	525	533	08	11	74	1	02	0	0	0	8	2	0				09	18		0000	518	527
09	01	9644	527	527	533	11	10	74	0	02	0	0	0	9	0	0									
	04	9648	528	528	534	16	03	74	0	02	0	0	0	9	0	0									
	07	9644	524	524	532	04	09	64	1	40	0	1	6	4	0	0									
	10	9644	519	519	524	04	12	16	8	56	5	8	6	3											
	13	9642	517	517	523	04	14	64	6	01	2	1	6	3	3	0									
	16	9653	519	519	528	06	12	58	1	18	2	1	6	3	4										
	19	9671	524	524	532	07	12	62	4	03	1	4	5	5	0	0									
	22	9686	522	522	532	09	07	74	6	03	1	0	0	9	1	0				05	17			516	530

Results of Surface Observations,
WILKES – Sep., 1959

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	9699	526	526	531	09	06	74	2	01	1	0	0	9	0	8									
	04	9710	527	527	533	21	06	74	2	02	1	0	0	9	0	0									
	07	9723	530	530	539	18	07	66	1	02	0	0	0	9	3	0									
	10	9723	527	527	533	17	28	00		38	3														
	13	9732	525	525	530	16	30	00		38	3														
	16	9753	526			17	36	00		38	3														
	19	9754	525			18	36	00		38	3									18	61		0000	518	532
	22	9773	518	518	527	16	42	00		39	3														
11	01	9798	516	516	524	17	43	00		38	3														
	04	9826	513	513	520	17	40	00		38	3														
	07	9864	517	517	522	18	23	08	8	38	3	0	0	0	2	0									
	10	9861	510	510	516	36	02	61	8	18	2	0	0	0	2	0									
	13	9837	510	510	516	04	08	66	8	02	2	0	0	0	2	0									
	16	9828	508	508	514	00	00	66	8	02	2	0	0	0	2	0									
	19	9799	512	512	518	03	07	66	8	02	2	0	0	0	2	0									
	22	9794	509	509	515	00	00	74	8	02	2	0	0	0	2					18	54		0000	506	518
12	01	9780	509	510	516	00	00	74	8	02	2	0	0	0	0	7									
	04	9744	505	506	513	20	04	74	8	02	2	0	0	0	2										
	07	9692	505	505	511	14	08	16	8	71	7	8	6	4											
	10	9646	503	503	507	18	10	16	8	71	7	8	6	4											
	13	9633	502	502	505	18	05	16	8	71	7	8	6	4											
	16	9659	503	503	508	03	06	74	8	22	3	5	0	0	5	7									
	19	9686	506	506	510	05	08	74	2	01	1	0	0	0	3	0									
	22	9700	513	513	518	21	07	74	0	01	0	0	0	0	0	0				16	13		0003	00	516
13	01	9709	515	515	520	17	06	74	0	02	0	0	0	0	0	0									
	04	9710	516	516	521	18	10	74	0	02	0	0	0	0	0	0									
	07	9694	513	513	519	18	20	58	0	36	3	0	0	0	0	0									
	10	9700	509	509	518	22	06	74	1	03	3	1	6	4	0	0									
	13	9681	508	508	515	00	00	66	2	02	0	0	6	0	3	5									
	16	9671	508	508	513	04	08	46	3	40	1	8	6	3	0	0									
	19	9674	511	511	516	00	00	66	8	02	2	0	0	0	0	7									
	22	9681	512	512	517	10	05	66	8	03	2	8	6	4						09	23			00	518
14	01	9680	511	511	516	10	07	66	8	02	2	8	6	4	9	2									
	04	9679	512	512	517	09	07	74	8	02	2	0	0	4	0	0									
	07	9671	518	518	525	18	04	74	1	01	1	1	6	4	0	3									
	10	9659	512	513	525	00	00	74	2	02	0	0	0	4	0	0									
	13	9654	512	513	525	16	09	74	1	01	0	1	6	4	0	0									
	16	9656	512	513	525	03	05	74	1	02	0	0	0	4	0	0									
	19	9659	512	512	523	03	05	74	7	03	1	7	5	5	0	3				18	11		0000	505	519
	22	9666	513	513	523	09	08	74	8	02	2	0	0	0	3										
15	01	9677	514	514	521	18	06	74	8	02	2	0	0	0	0	2									
	04	9688	514	514	521	00	00	66	8	02	2	0	0	0	0	2									
	07	9696	515	515	523	21	05	74	7	01	2	2	6	4	0	3									
	10	9712	511	512	519	18	04	74	7	02	2	7	5	6	6										
	13	9725	509	509	516	18	06	66	8	71	7	8	5	5	6										
	16	9747	506	506	512	03	03	66	8	71	7	8	5	5	6										
	19	9766	508	508	514	16	07	74	8	02	7	8	5	5	5										
	22	9778	508	508	515	13	05	74	8	02	2	8	5	5	5					18	07			505	516
16	01	9783	508	509	515	09	07	74	8	02	2	8	5	5	5										
	04	9788	508	509	515	05	09	66	8	02	2	8	5	5	5										
	07	9794	510	510	517	08	08	66	8	71	7	8	5	5	5										
	10	9796	508	508	515	08	06	66	8	02	2	8	5	5	5										
	13	9796	514	514	521	18	14	66	8	02	2	8	5	5	5										
	16	9799	517	517	523	17	15	58	8	71	7	8	5	5	4										
	19	9808	518	518	525	17	19	66	8	02	7	8	5	5	4										
	22	9812	517	517	523	17	09	66	8	71	7	8	6	4						16	18			507	520
17	01	9825	515	515	524	09	12	66	8	71	7	8	6	4											
	04	9846	515	515	518	11	04	51	8	71	7	8	6	4											
	07	9871	517	517	522	16	12	66	5	01	2	1	5	5	0	0									
	10	9900	512	512	519	02	07	74	2	01	1	2	5	5	0	0									
	13	9929	507	507	515	06	02	74	6	03	1	2	5	5	0	0									
	16	9953	512	512	519	10	08	74	4	02	2	1	5	5	0	0									
	19	9962	517	517	522	19	04	74	1	01	1	1	5	5	0	0									
	22	9958	516	516	521	22	02	66	8	03	1	1	5	5	0	7				16	17			507	519
18	01	9926	517	517	526	18	02	66	1	01	1	1	6	4	0	8									
	04	9906	510	511	525	03	12	61	7	03	1	3	0	0	2										
	07	9867	511	511	524	00	00	66	8	02	2	0	0	0	2										
	10	9843	506	506	512	14	06	62	8	71	7	8	5	5											
	13	9804	505	505	512	13	08	62	8	71	7	8	6	5											
	16	9786	505	506	513	11	05	58	8	70	7	8	5	5											
	19	9770	510	510	516	04	07	66	8	01	2	8	5	5	1	0									
	22	9751	508	508	515	02	02	66	8	71	7	8	6	5						07	22			505	517

Results of Surface Observations,
WILKES – Sep., 1959

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	9740	510	510	517	02	02	66	8	02	7	8	6	5										
	04	9727	506	506	513	03	14	58	8	71	7	8	6	4										
	07	9720	506	506	511	03	14	62	8	02	2	8	6	4										
	10	9716	506	506	513	02	12	58	8	71	7	8	5	5										
	13	9710	505	506	512	05	12	56	8	71	7	8	5	5										
	16	9709	504	504	510	21	04	62	8	02	7	8	5	5										
	19	9715	506	507	513	04	15	62	8	71	7	8	5	5										
	22	9720	509	509	517	07	12	62	8	71	7	8	5	5						07	18			503	511
20	01	9735	509	509	517	07	11	59	8	71	7	8	6	5										
	04	9751	509	509	517	07	08	61	8	71	7	8	6	5										
	07	9735	511	511	518	03	15	61	8	71	7	8	5	4										
	10	9784	509	509	518	07	10	66	8	71	7	8	5	5										
	13	9780	510	511	520	09	13	74	6	01	1	4	5	5	3	1								
	16	9752	510	511	520	17	08	74	8	03	2	1	5	5	2									
	19	9704	511	512	522	16	12	74	8	02	2	0	0	0	2									
	22	9653	507	507	515	18	11	61	8	71	2	2	5	5	2					02	17			503	514
21	01	9634	501	501	508	23	08	58	8	71	7	8	6	4										
	04	9632	00	00	504	17	16	03		73	7													
	07	9632	506	506	511	17	22	00		71	7													
	10	9632	02	02	502	00	00	62	8	71	7	8	5	7										
	13	9633	00	00	504	02	10	66	8	02	2	3	5	5	2									
	16	9639	01	01	503	06	09	58	8	71	7	8	5	5										
	19	9647	01	01	503	00	00	66	8	71	7	0	0	0	2									
	22	9649	01	01	503	03	13	58	8	71	7	8	5	5						18	23		0006	04	506
22	01	9649	00	00	504	16	06	58	8	71	7	8	6	4										
	04	9653	502	502	506	18	05	48	8	71	7	8	6	4										
	07	9663	503	503	507	00	00	61	8	71	7	8	5	4										
	10	9679	01	01	503	00	00	74	6	01	1	1	5	4	0	0								
	13	9695	03	02	507	00	00	74	7	03	2	1	6	4	3	8								
	16	9721	501	501	507	00	00	74	2	01	1	1	6	4	3	0								
	19	9746	507	507	513	04	04	74	1	02	0	1	5	4										
	22	9770	510	511	519	19	02	74	2	03	0	0	0	0	2	0				16	10		0002	06	517
23	01	9791	512	512	518	36	07	74	8	03	1	0	0	0	2	7								
	04	9813	503	504	515	05	18	58	8	38	3	0	0	0	5	8								
	07	9826	503	504	512	05	17	61	2	36	3	2	5	5										
	10	9837	500	501	509	04	12	66	2	02	0	0	0	0	3	0								
	13	9843	05	04	505	00	00	74	5	03	1	0	0	0	3									
	16	9817	503	503	512	14	04	66	7	03	2	7	5	4										
	19	9794	503	503	511	08	21	61	3	36	3	2	5	6	3	0								
	22	9770	506	506	516	12	05	74	3	02	3	0	0	0	7	0				07	21		0000	07	512
24	01	9745	507	507	516	06	04	74	3	03	1	0	0	0	7	8								
	04	9725	03	02	509	25	08	32	8	71	3	6	6	3	0	7								
	07	9708	06	05	504	10	31	08	6	38	3	3	5	5	0	8								
	10	9709	07	06	504	17	07	58	8	18	3	0	0	0	0	7								
	13	9710	08	06	504	29	08	66	8	02	3	2	5	5	3	8								
	16	9730	06	05	505	09	08	74	7	01	2	0	0	0	0	8								
	19	9743	01	01	509	22	12	74	3	02	1	1	5	5	2	1								
	22	9745	03	02	507	13	05	74	3	02	0	0	0	0	2	1				16	55			12	509
25	01	9749	500	502	521	00	00	74	5	03	1	0	0	0	2	8								
	04	9753	502	503	518	33	02	74	8	03	2	0	0	0	2	8								
	07	9761	501	502	518	02	06	74	8	02	2	0	0	0	2									
	10	9759	03	02	508	00	00	74	4	01	1	0	0	0	0	8								
	13	9747	05	04	508	21	04	74	0	01	0	0	0	0	0	0								
	16	9739	02	01	508	00	00	74	1	03	0	1	6	5	0	0								
	19	9728	02	01	505	03	09	74	6	03	1	2	5	5	3									
	22	9716	503	503	509	04	12	74	3	02	1	0	0	0	3	0				02	17		0000	10	505
26	01	9711	505	505	511	03	16	74	2	01	1	0	0	0	3	0								
	04	9718	503	503	509	03	12	74	7	03	1	7	5	6	0	0								
	07	9731	503	503	509	03	10	74	7	02	7	7	5	5										
	10	9734	02	02	505	02	10	74	3	01	1	3	5	5										
	13	9747	03	08	507	03	08	74	4	02	1	2	5	5	3									
	16	9769	502	502	508	07	06	74	2	01	0	2	5	6										
	19	9789	508	509	517	00	00	74	0	01	0	0	0	0										
	22	9809	509	510	522	05	02	74	1	02	0	1	6	4	0	0				02	18			02	511
27	01	9836	506	507	522	16	08	74	2	03	0	2	5	6	0	0								
	04	9861	06	05	507	16	08	74	7	03	1	7	5	6										
	07	9903	07	06	502	18	13	74	8	02	2	8	5	6										
	10	9948	10	09	02	14	10	74	8	02	2	3	6	6	2									
	13	9981	10	09	01	16	10	74	4	01	1	0	0	0	3	0								
	16	10008	14	12	00	03	05	74	1	01	0	0	0	0	3	0								
	19	10019	08	07	502	04	10	74	0	02	0	0	0	0	0	0								
	22	10028	00	500	512	03	10	74	0	02	0	0	0	0	0	0				07	19		0000	17	511

Results of Surface Observations,
WILKES – Sep., 1959

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	10034	01	01	507	03	12	74	1	03	0	1	5	5	0	0									
	04	10033	01	01	504	01	11	74	1	02	0	1	5	5	0	0									
	07	10034	02	01	503	03	12	74	7	22	7	7	6	3											
	10	10030	08	07	03	04	19	59	8	36	3	8	5	5											
	13	10022	08	08	03	04	12	66	8	02	2	2	6	4	2	0									
	16	10016	08	07	02	04	12	66	8	02	2	8	5	4											
	19	10006	07	06	00	04	06	66	8	02	2	6	5	4	2										
	22	9996	05	05	01	04	02	66	8	22	2	8	6	5	1					05	22			09	504
29	01	9969	04	04	501	07	23	16	6	38	7	6	5	5	0	0									
	04	9955	10	09	02	08	18	66	8	02	3	8	5	6											
	07	9912	13	12	09	06	32	01	8	39	3	8	5	6											
	10	9869	14			07	47	00		39	3														
	13	9853	14			07	52	00		39	3														
	16	9855	15			10	48	00		39	3														
	19	9853	14			09	52	00		39	3														
	22	9849	15			09	55	00		39	3									09	63		0000	15	04
30	01	9851	17			09	49	00		39	3														
	04	9859	19			09	44	16	8	38	3	7	5	5	2										
	07	9881	20			09	38	48	8	38	3	8	5	6											
	10	9903	20	19	16	13	18	66	8	02	3	8	5	6											
	13	9903	20	19	15	21	05	48	8	72	7	8	6	5											
	16	9903	19	18	13	22	07	48	8	73	7	8	5	5											
	19	9897	16			18	06	61	8	71	7	7	5	5	2										
	22	9884	14	13	04	03	04	66	8	71	7	8	6	4						09	60		0006	22	14

Results of Surface Observations,
WILKES – Oct., 1959

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
01	01	9875	16	15	09	15	09	12	8	73	7	8	6	3											
	04	9869	16	15	11	18	08	58	8	71	7	7	6	4	2										
	07	9861	17	16	10	09	18	56	8	71	7	8	6	3											
	10	9861	20	19	16	20	05	04	8	73	7	8	6	4											
	13	9865	21	20	17	20	07	08	8	73	7	8	6	4											
	16	9868	17	16	11	18	03	32	8	71	7	8	6	4											
	19	9885	14	13	06	09	06	66	8	71	7	4	5	5	3	6									
	22	9900	13	13	10	03	06	16	8	73	7	8	5	5						09	23		0032	23	10
02	01	9924	11	11	08	36	05	56	7	71	7	7	5	5											
	04	9940	08	08	05	33	04	16	8	71	7	6	6	4											
	07	9960	10	09	05	03	08	61	8	71	7	8	6	5											
	10	9975	15	14	10	03	07	59	8	71	7	2	6	5	2										
	13	9992	20	19	15	00	00	56	8	71	7	8	6	5											
	16	10009	17	16	11	11	04	62	7	22	7	2	5	5	3										
	19	10009	14	13	08	09	15	66	7	02	2	5	5	6	3	6									
	22	10006	13	12	03	08	13	66	8	02	2	7	5	7	3					11	23		0004	21	07
03	01	9881	15	13	06	15	15	32	8	38	3	6	5	7	0	7									
	04	9940	15	14	10	09	42	01	8	39	3	7	5	7	2										
	07	9892	16	16	13	09	43	00		39	3														
	10	9855	18			09	60	00		39	3														
	13	9802	17			09	59	00		39	3														
	16	9740	17			10	62	00		39	3														
	19	9677	16			10	66	00		39	3														
	22	9644	15			13	90	00		39	3									11	04		0000	22	10
04	01	9642	15			12	50	01		39	3														
	04	9704	17			11	40	32	8	02	3	6	5	6	2										
	07	9726	17			10	30	08	8	39	3	8	5	6											
	10	9752	21	20	18	11	21	48	8	71	7	8	6	5											
	13	9773	26	24	18	11	18	56	8	71	7	5	6	5	3										
	16	9801	25	23	16	10	22	66	8	02	7	2	5	6	0	8									
	19	9834	20	17	08	11	20	66	2	01	1	1	5	7	0	1									
	22	9861	19	17	09	11	16	66	7	02	1	0	0	0	7	8				11	79			26	15
05	01	9910	20	18	11	10	07	66	8	03	1	7	5	6	2										
	04	9937	18	16	08	10	09	74	8	01	2	1	5	6	2										
	07	9975	19	17	08	00	00	74	2	01	1	1	5	6	3										
	10	9992	24	21	14	00	00	74	7	03	1	7	5	6											
	13	10002	21	20	14	00	00	66	8	02	2	8	5	6											
	16	10010	21	19	14	03	02	66	8	02	7	8	5	6											
	19	10005	18	17	13	04	07	66	8	02	2	8	5	6											
	22	9993	17	16	12	07	06	66	8	02	2	8	6	4						11	13			26	14
06	01	9968	14	14	09	09	05	66	8	03	2	8	6	4											
	04	9942	13	13	10	21	05	66	8	02	2	8	6	4											
	07	9923	14	13	09	01	05	66	8	02	2	8	5	5											
	10	9893	15	14	09	17	06	74	7	02	2	7	5	5											
	13	9859	20	17	06	00	00	74	3	01	1	1	5	5	3	6									
	16	9832	13	12	07	21	06	74	8	02	0	1	5	5	0	7									
	19	9809	07	07	03	04	03	74	3	01	1	1	5	5	0	8									
	22	9786	02	01	505	22	04	74	0	01	1	0	0	0	0	0				20	10		0000	22	501
07	01	9747	01	00	507	21	06	74	0	02	0	0	0	0	0	0									
	04	9719	501	501	508	21	04	74	8	03	1	0	0	0	0	7									
	07	9691	01	01	504	21	08	74	8	03	1	0	0	0	0	7									
	10	9659	14	13	04	22	09	74	8	02	2	0	0	0	2										
	13	9620	17	15	04	21	25	74	8	02	2	2	5	7	0	8									
	16	9593	21	20	14	21	11	16	8	77	7	8	6	4											
	19	9572	17	17	15	11	35	00		71	7														
	22	9555	18			12	35	00		39	3									11	48			24	502
08	01	9552	21			12	32	00		39	3														
	04	9568	21	19	11	12	27	58	8	18	3	8	6	4											
	07	9605	20	19	16	11	32	58	8	71	7	8	6	4											
	10	9640	22	19	09	10	21	61	8	02	7	6	5	5	2										
	13	9664	21	19	10	11	32	58	8	38	3	8	5	5											
	16	9697	20	18	09	11	27	61	8	02	3	8	6	5											
	19	9724	21	19	12	11	25	66	8	02	2	8	6	5											
	22	9732	20	17	06	12	30	66	8	02	2	0	0	0	7	0				11	38			23	19
09	01	9747	21	18	08	13	27	56	8	02	2	0	0	0	7	0									
	04	9753	19	17	08	00	00	74	8	02	2	0	0	0	3	0									
	07	9754	19	18	13	05	12	74	7	01	2	0	0	0	3	1									
	10	9752	23	21	14	35	09	74	6	01	2	1	0	0	3	1									
	13	9742	23	20	11	04	08	74	2	02	1	0	0	0	3	1									
	16	9735	18	16	09	07	09	74	4	02	2	0	0	0	3	1									
	19	9741	17	15	08	06	06	74	7	03	1	0	0	0	3	0									
	22	9741	16	15	08	06	10	74	8	03	2	0	0	0	2	0				11	30		0000	23	16

Results of Surface Observations,
WILKES – Oct., 1959

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	9745	17	16	10	08	13	74	8	02	2	8	5	6										
	04	9757	18	17	11	07	12	74	8	02	2	8	5	6										
	07	9762	17	15	09	04	06	74	8	02	2	8	5	6										
	10	9766	19	18	13	07	03	74	1	01	1	1	6	5	0	0								
	13	9772	20	18	11	02	05	74	2	02	0	1	5	5	3	0								
	16	9777	18	17	11	05	06	74	2	22	7	1	5	5	3	0								
	19	9776	10	10	04	00	00	74	6	03	1	1	5	5	3	8								
	22	9759	14	12	03	04	04	74	8	03	2	0	0	0	2					11	17			24	09
11	01	9736	13	11	02	10	18	74	8	02	2	8	5	7										
	04	9715	10	09	02	17	12	58	8	38	3	8	5	7										
	07	9705	10	10	06	20	10	16	8	71	7	8	6	5										
	10	9711	12	12	08	19	08	16	8	71	7	8	6	5										
	13	9702	16	15	11	19	05	56	8	71	7	8	5	5										
	16	9700	15	15	11	19	04	32	8	71	7	8	6	5										
	19	9700	11	10	06	03	04	61	8	01	7	8	5	5										
	22	9698	11	10	02	14	02	74	8	02	2	2	5	5	2					09	20		0002	17	07
12	01	9692	08	08	02	07	03	66	8	76	7	0	0	0	0	7									
	04	9689	09	08	05	21	05	16	8	77	7	0	0	2											
	07	9694	07	07	03	19	09	08	8	73	7	8	6	4											
	10	9711	10	10	06	21	06	16	8	71	7	8	6	5											
	13	9733	15	14	10	20	02	61	8	01	2	7	5	5											
	16	9743	14	14	10	11	03	61	8	03	2	8	6	5											
	19	9730	15	14	08	23	04	66	8	02	2	8	5	5											
	22	9662	19	19	16	12	30	00		39	3									11	49		0006	19	05
13	01	9611	19			11	53	00		39	3														
	04	9570	19			11	52	00		39	3														
	07	9510	22			11	52	00		39	3														
	10	9500	24			09	44	00		39	3														
	13	9556	29	28	26	05	23	08	8	38	3	8	5	4											
	16	9600	29	28	26	05	23	08	8	22	7	8	5	5											
	19	9641	29	29	28	06	24	02		73	3														
	22	9660	25	25	22	07	23	32	8	38	3	0	0	0	0	7				11	62		0003	29	18
14	01	9665	26	25	22	07	28	32	8	38	3	0	0	0	2	7									
	04	9681	26	24	20	06	14	66	6	01	3	4	6	5	0	2									
	07	9683	24	23	19	10	26	32	6	38	3	2	5	5	2	1									
	10	9684	27	25	22	10	22	58	7	38	3	6	5	5	3	0									
	13	9679	29	27	20	09	18	59	4	38	3	2	5	5	3	1									
	16	9686	28	25	18	09	16	74	8	03	1	4	5	5	2										
	19	9690	24	22	17	12	23	59	8	36	3	4	6	4	2	8									
	22	9689	21	19	11	20	18	66	8	02	3	8	5	7						11	30		0000	30	20
15	01	9664	18	16	08	19	14	74	5	01	1	0	0	0	3										
	04	9642	11	10	02	21	20	74	1	01	0	0	0	0	2	0									
	07	9616	14	12	06	19	15	74	1	02	0	0	0	0	3										
	10	9598	20	18	12	20	05	74	1	01	0	0	0	0	2	0									
	13	9595	26	23	17	00	00	74	0	02	0	0	0	0	4	1									
	16	9625	21	18	09	25	16	74	1	02	0	1	1	4	5										
	19	9658	19	18	10	28	12	74	6	22	1	3	5	5	1										
	22	9695	19	17	10	31	16	74	8	02	2	8	5	5						13	23			27	10
16	01	9749	18	17	13	31	19	32	8	38	3	8	6	5											
	04	9800	15	14	09	02	17	62	8	02	3	6	6	5	2										
	07	9842	15	15	10	06	19	48	8	70	3	8	6	5											
	10	9877	18	18	16	03	13	16	8	71	7	8	6	4											
	13	9922	19	18	13	03	12	16	8	71	7	8	6	3											
	16	9943	20	17	08	06	10	66	7	15	7	1	1	5	3	1									
	19	9968	12	10	04	09	10	74	6	02	2	1	5	5	2	1									
	22	9977	12	09	504	21	11	74	0	01	1	0	0	9	0	0				34	24		0003	20	09
17	01	9980	09	08	01	13	13	74	0	02	0	0	0	9	0	0									
	04	9988	06	05	504	00	00	74	0	02	0	0	0	9	0	0									
	07	9990	12	09	503	18	04	74	0	02	0	0	0	0	0	0									
	10	9998	12	11	01	19	10	74	0	02	0	0	0	0	0	0									
	13	9994	14	12	02	18	10	74	6	03	0	0	0	0	0	8									
	16	9992	14	13	07	22	05	74	1	01	1	0	0	0	0	1									
	19	9988	09	08	01	03	01	74	5	03	0	0	0	0	0	9									
	22	9986	02	01	508	18	03	74	3	01	1	0	0	0	0	8				11	19		0000	18	502
18	01	9970	501	502	511	18	02	74	8	03	1	0	0	0	0	7									
	04	9958	505	505	513	18	10	74	8	02	2	0	0	0	0	7									
	07	9942	03	02	508	18	05	74	8	02	2	0	0	0	0	7									
	10	9928	09	08	505	17	04	74	8	02	2	0	0	0	0	7									
	13	9909	09	08	01	16	12	74	8	02	2	2	6	4	0	7									
	16	9892	13	12	06	04	06	61	8	14	2	8	5	7											
	19	9870	13	12	04	11	01	74	7	01	2	1	5	7	7										
	22	9860	12	12	08	18	05	74	8	03	2	8	5	6						18	12		0000	15	505

Results of Surface Observations,
WILKES – Oct., 1959

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	9836	10	10	06	18	12	74	8	02	2	8	5	6										
	04	9816	12	12	08	16	19	08	8	73	7	8	6	5										
	07	9806	15	15	12	19	10	00	8	75	7	9		0										
	10	9821	24	23	20	10	01	02	8	75	7	8	6	4										
	13	9832	20	19	16	18	07	02	8	75	7	8	6	4										
	16	9832	20	19	15	21	02	66	8	22	7	1	6	5	2	7								
	19	9825	10	10	07	04	10	74	3	01	1	1	6	5	3	8								
	22	9832	09	09	05	08	08	74	3	02	0	3	5	5						18	17		0055	29	07
20	01	9844	11	10	03	08	09	74	1	01	0	1	5	6										
	04	9849	11	10	03	22	03	74	7	03	1	5	5	6	3									
	07	9874	19	17	11	18	07	74	8	03	2	3	5	6	0	7								
	10	9894	19	18	11	04	04	74	8	02	2	2	5	6	7									
	13	9907	22	20	13	36	06	66	8	15	2	1	6	4	7									
	16	9903	21	20	16	06	06	74	8	15	2	2	7	4	7									
	19	9876	19	19	16	32	05	74	8	02	2	3	5	7	2									
	22	9824	20	19	15	09	36	01		39	3									09	50		0000	24	09
21	01	9761	19			09	46	00		39	3														
	04	9739	17			09	48	00		39	3														
	07	9732	16			09	52	00		39	3														
	10	9744	18	17	13	09	34	00		39	3														
	13	9760	19	18	13	18	10	08	8	77	7	8	6	3										
	16	9760	19	17	10	14	10	16	8	71	7	8	6	3										
	19	9756	18	17	15	06	05	16	8	71	7	8	6	3										
	22	9751	16	15	11	18	03	32	8	71	7	8	6	4						09	56		0007	20	14
22	01	9745	15	14	09	09	04	66	8	02	7	8	6	4										
	04	9739	13	13	09	04	07	16	8	71	7	8	6	4										
	07	9737	13	13	09	01	02	16	8	71	7	5	6	4	3									
	10	9733	14	13	09	03	06	48	8	71	7	5	6	4	2									
	13	9725	17	16	11	04	03	32	8	71	7	2	6	4										
	16	9722	16	15	10	05	03	61	8	15	7	6	5	5	2									
	19	9724	13	12	05	36	06	66	8	02	7	8	5	5										
	22	9728	11	10	05	02	06	66	8	02	2	8	5	5						02	10		0001	18	11
23	01	9729	11	10	03	02	03	66	8	02	2	8	5	5										
	04	9739	12	10	03	00	00	66	8	02	2	8	5	5										
	07	9752	12	11	05	15	06	66	8	02	2	6	5	5	2									
	10	9765	16	15	09	04	05	66	8	02	2	8	6	4										
	13	9773	17	15	06	06	05	66	8	02	2	5	5	5	2									
	16	9784	16	14	07	03	03	56	8	71	7	5	5	5	2									
	19	9796	13	11	02	04	09	58	8	71	7	5	5	5	2									
	22	9801	12	11	05	04	08	58	8	71	7	8	6	5						36	10			18	09
24	01	9815	10	09	05	15	03	58	8	71	7	8	6	6										
	04	9824	09	08	02	00	00	61	8	71	7	8	6	6										
	07	9846	11	10	02	22	02	61	8	71	7	5	6	5										
	10	9854	12	10	503	36	03	58	8	71	7	4	6	5										
	13	9860	12	11	03	14	01	61	8	71	7	6	6	5	2									
	16	9870	08	08	02	02	08	58	8	77	7	8	6	4										
	19	9874	06	06	00	03	12	59	8	77	7	8	5	5										
	22	9874	06	05	502	04	06	59	8	71	7	8	5	5						36	12			13	04
25	01	9870	05	05	501	04	06	59	8	71	7	8	5	6										
	04	9870	06	05	504	04	07	59	8	71	7	8	5	6										
	07	9866	07	05	504	04	16	66	8	02	7	8	5	5										
	10	9862	08	06	507	04	10	66	8	02	2	8	5	5										
	13	9855	09	07	506	00	00	66	8	02	2	6	5	5	2									
	16	9848	08	07	503	17	09	66	8	02	2	3	5	5	2									
	19	9838	07	06	504	05	05	66	8	02	2	3	5	5	2									
	22	9822	06	06	00	00	00	66	8	02	2	8	0	9	2					05	18			12	02
26	01	9805	06	05	502	00	00	66	8	22	7	8	0	9	2									
	04	9789	06	06	00	04	04	66	8	02	2	8	5	7										
	07	9774	08	07	503	03	03	74	8	02	2	3	5	6	2									
	10	9755	14	11	503	03	02	74	8	02	2	2	6	5	3									
	13	9736	12	11	03	03	05	74	8	02	2	8	5	6										
	16	9720	10	09	00	03	08	74	8	02	2	8	5	6										
	19	9703	07	06	501	04	03	74	8	01	2	0	0	0	3	8								
	22	9700	08	07	00	07	04	66	8	03	2	8	5	7						02	10			16	03
27	01	9692	05	05	502	10	07	66	4	01	1	2	5	7	3	0								
	04	9684	12	10	03	09	15	66	8	03	1	8	5	6										
	07	9678	18	15	06	22	10	48	8	71	7	8	5	5										
	10	9665	20	19	15	09	28	01	8	38	7	8	6	4										
	13	9660	21	20	16	09	31	04	8	38	3	8	5	5										
	16	9682	23	21	15	09	10	61	8	36	3	5	7	4										
	19	9705	20	18	10	11	25	32	8	38	3	3	7	3										
	22	9702	19	18	13	10	31	08	8	38	3	8	5	7						09	55			25	02

Results of Surface Observations,
WILKES – Oct., 1959

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	9719	20	18	11	09	28	04	8	38	3	8	5	7											
	04	9725	20	18	10	11	30	58	8	38	3	8	5	7											
	07	9732	23	20	11	09	10	74	6	01	2	5	5	7											
	10	9744	20	18	11	18	11	74	6	01	2	0	0	0	0	6									
	13	9737	24	21	14	00	00	74	6	01	2	0	0	0	0	6									
	16	9737	21	18	09	03	08	74	2	01	1	0	0	0	0	6									
	19	9744	16	15	09	05	07	74	4	02	1	0	0	0	0	6									
	22	9753	16	15	09	04	14	74	7	03	1	7	5	5	0	0				09	41		0000	28	11
29	01	9770	11	11	06	04	06	74	7	02	1	7	5	5											
	04	9781	16	14	09	05	08	74	7	71	2	8	5	5											
	07	9794	16	15	10	18	05	66	8	71	7	8	5	5											
	10	9804	19	18	12	33	06	61	8	71	7	8	5	5											
	13	9820	18	17	13	04	04	61	8	71	7	8	5	5											
	16	9835	18	16	10	18	08	66	8	02	7	8	5	5											
	19	9849	18	16	08	27	06	66	7	02	2	6	5	5	3	0									
	22	9859	14	13	07	16	06	66	7	01	2	6	5	5	3	0				18	11			21	07
30	01	9867	05	05	00	19	05	74	4	01	1	1	5	5	3	1									
	04	9876	03	03	502	18	05	74	8	03	1	0	0	0	2	7									
	07	9885	05	05	501	17	04	74	8	02	2	0	0	0	2	1									
	10	9894	11	10	02	22	09	74	7	02	2	0	0	0	3	5									
	13	9913	14	11	504	25	09	74	6	02	2	0	0	0	7	0									
	16	9924	14	11	505	24	10	74	0	01	1	0	0	0	0	0									
	19	9928	11	10	501	22	12	74	0	02		0	0	0	0	0									
	22	9938	01	01	506	13	04	74	1	02	0	0	0	0	0	1				25	15		0000	15	502
31	01	9939	502	502	508	14	02	74	1	02	0	0	0	0	0	1									
	04	9993	01	00	510	03	04	74	8	03	0	0	0	0	0	7									
	07	9938	03	02	511	15	07	74	8	02	2	0	0	0	0	7									
	10	9940	12	09	508	18	06	74	8	02	2	0	0	0	0	7									
	13	9917	14	11	505	17	06	74	8	02	2	0	0	0	0	7									
	16	9887	16	13	501	00	00	74	8	02	2	0	0	0	0	7									
	19	9861	18	15	03	36	05	66	8	03	2	0	0	0	2										
	22	9817	15	14	09	11	39	01	8	38	3	8	5	7						09	54		0000	21	504

Results of Surface Observations,
WILKES – Nov., 1959

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	9777	13	13	10	10	51	00		39	3														
	04	9761	14	14	11	10	46	00		39	3														
	07	9752	14	13	10	10	53	00		39	3														
	10	9767	16	15	11	10	47	00		39	3														
	13	9785	18	17	14	10	37	00		39	3														
	16	9760	17			10	48	00		39	3														
	19	9763	18	17	13	10	48	00	8	39	3	8	5	7											
	22	9763	18	18	15	10	46	00	8	39	3	8	5	7						09	64		0000	19	13
02	01	9769	18	17	13	10	47	00	8	39	3	8	5	7											
	04	9759	16	16	13	11	45	00	8	39	3	8	5	7											
	07	9757	15	15	12	10	52	00		39	3														
	10	9772	16	16	13	09	46	00		39	3														
	13	9809	16	16	12	11	31	02	8	39	3	4	5	5	2										
	16	9788	17	16	11	11	40	00		39	3														
	19	9717	21			11	62	00		39	3														
	22	9675	22			11	63	00	8	39	3	2	5	5	2					09	85		0003	24	14
03	01	9694	22	20	13	18	44	32	8	18	3	5	5	5	2										
	04	9641	22			18	10	01		75	7														
	07	9542	22			09	69	00		39	3														
	10	9528	21			10	69	00		39	3														
	13	9584	21			09	38	00		39	3														
	16	9618	20			10	33	00		39	3														
	19	9612	20	18	13	10	35	32	8	36	3	2	5	5	7	8									
	22	9609	20	18	11	10	28	56	7	38	3	3	5	6	7	8				09	87		0010	27	18
04	01	9607	20	18	11	09	29	61	8	03	3	1	5	6	0	7									
	04	9610	20	18	10	09	25	61	7	03	2	0	0	0	7	0									
	07	9589	22	19	09	09	28	66	8	03	2	0	0	9	2										
	10	9582	23	21	15	07	18	32	8	71	7	8	6	5											
	13	9582	27	24	16	03	09	61	8	02	7	8	6	7											
	16	9601	29	27	20	00	00	66	8	02	2	8	6	5											
	19	9611	22	19	09	08	16	61	8	01	2	2	6	5	2	8									
	22	9630	23	20	10	08	26	61	8	02	2	1	5	6	2					09	31			31	18
05	01	9660	24	20	09	09	25	61	8	02	2	0	0	0	5										
	04	9683	24	20	09	09	25	66	8	01	2	2	0	0	3										
	07	9707	27	24	16	10	26	66	8	02	2	0	5	7											
	10	9728	28	24	14	09	20	66	8	02	2	8	5	5	2										
	13	9759	29	27	23	09	23	66	8	02	2	6	5	5	2										
	16	9768	28	26	21	08	35	61	7	36	3	5	5	5	2	8									
	19	9803	28	27	23	09	21	61	7	02	3	3	5	5	2	8									
	22	9810	27	23	14	09	31	61	7	02	2	2	5	5	2					09	40		0000	30	22
06	01	9821	25	21	12	09	29	66	7	02	3	2	5	5	4	0									
	04	9825	24	20	07	09	31	66	7	02	2	0	5	0	4	1									
	07	9841	34	31	24	10	19	66	7	03	2	5	5	5	2	8									
	10																								
	13	9836	27	25	22	13	08	61	8	71	7	8	6	5											
	16	9819	31	28	22	00	00	74	8	02	7	8	5	6											
	19	9795	27	26	22	27	11	74	7	02	2	7	5	5											
	22	9777	26	24	21	28	12	74	7	02	2	6	5	5	4					09	35			31	23
07	01	9768	23	21	16	30	06	74	4	01	1	4	5	5	0	0									
	04	9771	22	21	17	33	09	66	2	03	1	2	5	5	0	0									
	07	9785	22	21	17	05	08	74	7	03	1	7	5	4											
	10	9792	21	20	16	01	05	74	8	02	1	7	5	4											
	13	9793	24	22	17	04	10	74	7	01	2	2	6	4											
	16	9799	24	23	18	02	10	74	7	02	2	6	5	5											
	19	9804	22	20	16	03	13	74	7	70	7	6	5	5											
	22	9806	19	17	09	10	12	66	8	71	7	8	5	5						02	17			25	19
08	01	9808	21	19	12	09	03	74	7	22	7	7	5	7											
	04	9812	15	13	02	04	04	74	8	03	2	1	5	5	3	1									
	07	9819	18	15	02	03	04	74	7	03	2	7	5	5	0	8									
	10	9820	21	17	00	35	06	74	7	02	2	6	5	6	2										
	13	9820	22	19	07	32	08	74	7	02	2	5	5	5	2	6									
	16	9819	22	19	08	02	09	74	7	02	2	4	5	5	2	6									
	19	9813	21	18	08	32	07	74	7	02	2	2	5	5	0	5									
	22	9809	20	18	09	29	06	74	8	71	2	6	5	5	0	1				05	17			24	15
09	01	9805	18	16	08	03	08	74	8	02	2	4	5	5	0	7									
	04	9803	19	17	10	06	10	66	8	71	2	8	5	5	2										
	07	9799	18	17	10	07	05	66	8	71	7	6	5	5											
	10	9794	21	19	11	03	06	74	8	02	7	8	5	6											
	13	9787	22	19	10	01	05	66	8	02	2	8	5	5											
	16	9778	22	19	08	29	10	66	7	15	2	7	4	5											
	19	9769	20	18	08	18	02	63	8	15	2	8	5	5											
	22	9760	18	17	11	28	06	66	8	15	2	6	5	5	2					27	14			24	16

Results of Surface Observations,
WILKES – Nov., 1959

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	9751	18	17	11	19	05	59	8	77	7	3	5	5	2										
	04	9740	18	12	12	31	12	61	8	71	7	4	5	5	2										
	07	9733	17	16	11	32	12	66	8	71	7	8	5	5											
	10	9724	18	17	11	35	06	74	8	01	7	6	5	6	4	5									
	13	9716	19	17	10	32	11	74	8	02	2	8	5	5											
	16	9706	18	16	10	34	12	66	8	02	2	5	5	5	2										
	19	9693	17	17	14	04	13	16	8	73	7	8	6	4											
	22	9689	20	18	11	30	09	74	8	02	7	7	5	4	2					31	16		0013	20	17
11	01	9686	17	17	14	30	03	16	8	73	7	8	6	4											
	04	9674	16	16	13	00	00	16	8	73	7	8	6	4											
	07	9659	17	17	14	19	14	04	8	73	7	8	6	4											
	10	9637	23	22	20	05	27	08		39	3														
	13	9638	22	21	17	03	25	16	8	36	3	5	6	4	2										
	16	9636	21	21	19	07	14	04	8	73	7	5	6	3											
	19	9624	21	20	18	09	28	04	8	39	3	3	5	7											
	22	9643	20	20	16	05	13	04		39	3									09	37		0010	24	16
12	01	9643	18	17	14	09	35	02		39	3														
	04	9650	17	17	13	10	36	02	7	39	3	2	5	5											
	07	9647	18	17	13	10	36	00	8	39	3	0	0	0	2	0									
	10	9673	23	21	15	12	24	66	8	02	3	5	6	4	2										
	13	9673	26	23	14	27	08	74	2	01	1	0	0	0	3	1									
	16	9661	24	21	11	19	08	74	1	01	0	1	1	5	3	1									
	19	9641	19	16	03	16	10	74	0	02	0	0	0	0	0	0									
	22	9611	16	13	01	15	16	74	0	02	0	0	0	8	5					09	42		0000	30	11
13	01	9582	12	11	04	13	14	74	0	02	0	0	0	9	2										
	04	9540	10	09	00	18	28	74	0	02	0	0	9	0	0										
	07	9519	16	15	07	03	14	74	4	03	0	0	0	0	0	6									
	10	9533	22	19	10	12	02	74	8	03	1	0	0	0	3	6									
	13	9549	24	21	16	10	09	74	7	03	1	1	5	5	2										
	16	9560	24	21	12	10	21	74	7	15	2	3	1	5	4	1									
	19	9588	20	18	11	09	24	62	8	36	3	7	6	5	3										
	22	9627	18	16	07	10	23	66	7	36	3	6	5	6	2					09	43		0000	28	08
14	01	9665	20	17	02	31	04	74	6	02	2	3	5	6	2										
	04	9688	21	17	02	19	11	74	6	02	2	5	5	6	2										
	07	9704	24	20	04	07	10	74	7	02	2	7	5	6											
	10	9711	25	21	08	16	09	74	7	01	2	1	5	6	3										
	13	9719	26	22	10	04	08	74	7	02	2	6	5	6	3										
	16	9718	25	21	10	14	05	74	7	02	2	6	8	6	3										
	19	9714	22	19	11	03	07	74	1	01	1	0	0	0	3	0									
	22	9709	15	12	501	09	19	74	2	03	0	1	5	6	2	0				09	26		0000	28	12
15	01	9708	14	12	00	10	13	74	8	03	1	8	5	5											
	04	9713	17	15	08	19	09	74	7	02	2	7	5	5											
	07	9721	19	17	10	17	07	74	7	02	2	7	5	7											
	10	9726	24	19	05	23	03	74	2	01	1	0	0	0	3	0									
	13	9728	28	24	16	00	00	74	6	03	1	6	5	6	0										
	16	9728	24	21	12	27	05	74	1	02	1	1	1	5	4	0									
	19	9724	21	18	08	14	08	74	7	03	1	4	7	5	2										
	22	9716	20	17	08	17	06	74	7	02	2	4	5	6	2					09	22		0000	28	14
16	01	9700	17	14	05	12	05	74	6	02	2	6	5	6											
	04	9690	14	11	504	11	12	74	1	01	1	1	2	6											
	07	9665	18	14	01	04	13	74	0	01	0	0	0	0	0	0									
	10	9640	21	19	07	04	06	74	2	03	0	1	1	5	0	8									
	13	9618	19	17	08	16	06	74	2	03	0	0	0	0	0	4									
	16	9591	22	18	02	23	03	74	7	03	1	0	0	0	0	8									
	19	9590	21	18	09	04	03	74	4	01	1	0	0	0	0	8									
	22	9550	17	14	05	14	08	74	8	02	2	0	0	0	0	8				07	14		0000	25	11
17	01	9544	15	12	01	13	06	74	8	02	2	0	0	0	0	8									
	04	9547	21	19	13	05	10	66	8	71	2	0	0	0	2										
	07	9555	22	21	18	17	08	66	8	02	7	0	0	0	2	7									
	10	9562	27	23	14	04	04	74	8	02	2	0	0	0	0	7									
	13	9578	26	24	18	17	09	74	8	03	2	1	1	5	2	7									
	16	9582	28	25	18	27	07	74	8	02	2	1	1	5	0	7									
	19	9583	25	23	16	30	07	74	8	02	2	1	5	5	2	7									
	22	9604	25	24	22	32	07	74	8	03	2	5	5	5	3	8				05	15			29	15
18	01	9636	22	21	16	03	11	74	8	02	2	7	5	5	2										
	04	9668	22	21	18	02	10	48	8	73	7	8	6	4											
	07	9700	23	21	15	05	10	58	8	15	7	4	6	4											
	10	9719	25	23	17	02	06	66	8	02	2	5	5	6	2										
	13	9730	25	24	21	15	08	58	8	73	2	3	5	2											
	16	9738	25	24	21	11	04	74	7	15	7	4	8	6	7										
	19	9738	22	20	14	09	06	74	8	02	7	1	5	5	3	1									
	22	9738	19	16	09	08	06	74	3	01	1	1	5	5	2					05	13		0001	26	13

Results of Surface Observations,
WILKES – Nov., 1959

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	9739	13	11	02	10	08	74	4	02	0	3	5	6	2										
	04	9735	19	17	09	15	08	74	2	01	0	1	5	6	2										
	07	9726	19	17	10	18	07	74	1	01	0	0	0	0	3	0									
	10	9718	28	24	14	35	05	74	1	02	0	0	0	0	3	0									
	13	9711	27	23	15	02	10	74	1	02	0	1	1	5	2	0									
	16	9701	27	24	17	02	10	74	1	02	0	1	1	5	2	0									
	19	9699	21	20	15	04	12	74	6	03	1	5	5	5	0	0									
	22	9698	17	16	11	07	13	74	5	02	2	4	5	5	2					09	16		0000	30	12
20	01	9696	20	19	15	06	10	74	5	02	2	5	5	5	2										
	04	9700	21	20	16	05	11	74	8	03	2	6	5	5	3										
	07	9709	21	21	18	05	10	65	7	02	2	5	5	5											
	10	9712	23	22	18	03	09	61	8	03	2	6	5	5	2										
	13	9715	25	23	18	35	06	61	7	02	2	6	5	5	2										
	16	9712	25	24	21	02	10	61	8	71	2	8	5	5											
	19	9718	23	22	17	04	08	61	7	15	7	6	5	5	2										
	22	9724	22	21	16	02	08	55	8	02	2	5	5	5	2					05	15			26	17
21	01	9739	19	18	12	07	07	66	8	02	2	7	5	6	2										
	04	9751	21	19	12	07	05	74	8	02	2	6	5	5	2										
	07	9771	21	20	16	15	05	74	7	70	2	5	5	5	2										
	10	9776	24	22	16	06	07	66	8	77	7	7	5	5	2										
	13	9785	24	22	16	03	14	58	8	77	7	7	5	4	2										
	16	9782	23	22	18	04	14	58	8	71	7	3	6	4	2										
	19	9775	23	21	15	04	11	66	8	15	7	6	5	5	2										
	22	9769	19	18	14	08	17	58	8	38	2	3	5	5	2					09	20		0001	25	17
22	01	9731	20	19	15	07	15	66	8	36	3	3	5	5	2										
	04	9720	18	17	12	09	20	66	8	36	3	1	5	5	2										
	07	9727	21	19	11	08	16	62	8	36	3	6	5	6	2										
	10	9742	26	23	15	22	06	74	6	01	2	2	5	6	2										
	13	9751	27	24	16	26	13	74	7	02	2	2	7	4	2	8									
	16	9760	26	23	13	26	08	74	2	01	1	1	2	5	0										
	19	9761	23	20	08	25	09	74	4	02	0	2	4	5	0	8									
	22	9761	18	16	07	14	06	74	2	01	0	1	1	5	0	1				09	23		0000	28	13
23	01	9773	12	11	01	12	08	74	0	01	0	0	0	0	0	0									
	04	9781	12	11	06	20	10	74	0	02	0	0	0	0	0	0									
	07	9794	14	12	03	23	09	74	0	02	0	0	0	0	0	0									
	10	9803	16	13	00	24	08	74	0	02	0	0	0	0	0	0									
	13	9806	18	16	06	24	14	74	0	02	0	0	0	0	0	0									
	16	9809	18	15	03	22	13	74	0	02	0	0	0	0	0	0									
	19	9809	16	14	02	16	11	74	1	02	0	1	4	5	0	1									
	22	9800	12	11	03	11	10	74	0	01	0	0	0	0	0	0				25	19		0000	20	06
24	01	9774	14	12	02	14	10	74	0	03	0	0	0	0	0	0									
	04	9722	15	13	05	08	16	74	0	03	1	0	0	0	2	0									
	07	9658	17	15	06	09	25	66	8	36	3	4	5	6	2	8									
	10	9599	16	15	12	10	37	00		38	3														
	13	9577	17	16	12	10	30	16	8	36	3	8	6	5											
	16	9601	23	21	15	08	06	66	8	01	7	2	5	6	2										
	19	9629	21	21	18	04	07	74	8	02	7	7	5	5	0	8									
	22	9663	19	19	13	04	05	74	8	02	2	7	5	5	0	8				11	40			25	08
25	01	9684	15	14	08	12	09	74	2	01	0	1	6	5	0	5									
	04	9693	20	19	16	29	15	74	1	01	0	1	5	5	0	0									
	07	9717	21	19	10	29	14	74	1	02	0	1	5	5											
	10	9734	23	21	14	28	10	74	2	02	0	2	2	6											
	13	9758	22	19	10	29	10	74	4	02	0	3	2	5	0	1									
	16	9772	23	20	12	28	09	74	2	02	0	1	2	5	0	1									
	19	9788	24	21	13	28	10	74	3	02	0	2	4	5	0	1									
	22	9796	23	22	17	33	04	74	7	03	1	5	5	5	0	8				29	17		0000	25	11
26	01	9787	21	21	19	04	08	74	7	02	2	0	0	0	0	8									
	04	9772	22	21	18	10	16	56	3	38	3	0	0	0	2										
	07	9744	25	24	21	08	24	05	8	38	3	8	0	6											
	10	9729	27	25	20	09	28	61	8	36	3	8	6	5											
	13	9730	27	25	19	09	24	58	8	71	3	8	6	5											
	16	9751	28	27	23	28	02	16	8	73	7	8	6	4											
	19	9768	28	26	21	00	00	59	8	71	7	1	5	6	7	4									
	22	9785	24	23	19	32	06	74	8	02	7	8	5	5						09	33		0002	29	20
27	01	9803	24	24	22	33	08	74	8	02	2	8	5	5											
	04	9829	25	24	21	27	03	74	8	02	2	8	5	5											
	07	9852	28	26	21	33	03	74	6	02	2	6	5	5											
	10	9876	29	26	21	36	08	74	7	02	2	5	5	5	0	1									
	13	9878	27	26	24	01	13	74	8	02	2	7	5	4	2										
	16	9870	24	24	21	03	17	61	8	36	3	1	5	5	2										
	19	9826	22	22	20	07	25	04		71	4			3											
	22	9738	23	23	22	08	44	00		71	3									07	51		0003	31	22

Results of Surface Observations,
WILKES – Nov., 1959

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	9717	25	25	24	07	38	00		38	7														
	04	9732	27	27	26	04	19	00		73	7														
	07	9742	29	29	28	03	16	10	8	73	7	8	6	4											
	10	9765	30	30	29	34	13	08	8	73	7	8	6	3											
	13	9785	30	29	28	36	14	08	8	73	7	8	6	3											
	16	9799	29	29	28	01	12	08	8	75	7	8	6	3											
	19	9820	29	29	28	34	07	08	8	73	7	8	6	3						07	49		0019	31	24
	22	9841	29	28	27	30	17	16	8	73	7	8	6	5											
29	01	9852	28	28	27	30	10	48	8	71	7	8	6	5											
	04	9881	27	26	24	23	07	65	8	02	7	4	5	5	2										
	07	9905	26	25	23	30	08	61	7	02	2	7	5	5											
	10	9917	29	27	23	29	05	66	6	01	2	2	5	5	3	0									
	13	9918	27	24	18	34	06	74	1	03	1	1	5	5	0	5									
	16	9909	27	25	20	04	11	74	6	03	1	1	5	5	0	8									
	19	9898	25	23	17	07	12	66	8	03	2	1	5	5	2	7				07	23			32	21
	22	9878	23	21	15	08	14	61	8	36	1	1	5	5	2	7									
30	01	9855	26	24	19	08	16	56	8	36	3	0	0	0	0	7									
	04	9824	24	24	22	09	31	02	8	38	3	9		0											
	07	9798	26	25	21	09	34	04	8	38	3	7	5	5	2										
	10	9772	27	26	23	09	34	04	8	36	3	8	5	5											
	13	9744	27	26	24	09	38	04	8	36	3	8	6	5											
	16	9717	25	24	22	11	42	00		39	3														
	19	9709	25	24	22	10	35	04	8	36	3	8	5	6						09	53		0000	28	22
	22	9714	23	22	18	10	32	04	8	38	3	8	5	5											

Results of Surface Observations,
WILKES – Dec., 1959

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	9732	24	23	20	08	20	58	8	36	3	8	5	5	2										
	04	9742	25	24	21	06	13	58	8	71	7	6	5	5	2										
	07	9746	27	25	21	05	10	61	7	70	7	5	5	5	2										
	10	9747	28	26	21	05	12	62	8	70	7	5	5	5	2										
	13	9751	29	27	24	04	11	61	8	70	7	5	5	5	2										
	16	9760	30	28	25	04	10	62	8	15	7	5	5	5	2										
	19	9771	29	27	24	05	10	61	7	01	2	5	5	5	7										
	22	9781	27	25	21	06	13	62	8	02	2	0	0	0	3	7				09	23			30	23
02	01	9799	26	25	21	07	13	62	8	02	2	0	0	0	3	7									
	04	9810	27	26	22	05	17	66	8	02	2	1	5	6	0	7									
	07	9827	29	27	23	04	18	66	7	02	2	1	5	6	3	6									
	10	9843	31	29	27	04	17	74	8	02	2	2	5	6	2	6									
	13	9858	31	29	22	03	14	69	8	02	2	5	6	3	4				4						
	16	9873	30	28	23	03	11	66	8	02	2	1	5	5	4	1									
	19	9884	29	27	25	08	05	66	8	02	2	6	5	5	5	7									
	22	9890	27	25	19	05	02	66	8	15	2	1	1	5	5	7				05	23		0000	32	23
03	01	9888	25	23	19	14	02	66	8	15	2	2	5	5	0	6									
	04	9887	22	21	17	11	11	74	7	01	2	1	5	5	0	6									
	07	9883	30	27	19	04	02	74	6	01	2	2	5	5	0	6									
	10	9880	30	27	20	36	03	74	2	01	1	0	0	0	0	8									
	13	9873	31	29	25	31	03	74	1	02	0	0	0	0	0										
	16	9870	29	27	21	32	04	74	1	02	0	1	2	5	6										
	19	9865	28	26	23	34	05	74	0	01	0	1	1	6	0	0									
	22	9858	21	20	14	04	03	74	0	02	0	0	0	0	0	0				11	10		0000	33	19
04	01	9854	18	17	12	06	06	74	0	03	0	1	5	5	0	0									
	04	9855	21	20	15	06	07	74	0	02	0	1	5	5	0	0									
	07	9858	24	22	17	05	07	74	6	03	1	6	5	6											
	10	9860	26	24	19	09	04	74	7	02	2	7	5	5											
	13	9865	27	25	19	22	04	74	6	02	2	6	1	5											
	16	9870	28	26	21	25	05	74	0	01	1	0	0	9	0	0									
	19	9873	25	23	17	18	12	74	1	03	0	0	0	9	0	5									
	22	9877	20	18	08	18	14	74	0	02	0	0	0	0	0	0				18	17		0000	31	17
05	01	9870	17	14	04	18	16	74	4	03	0	0	0	0	0	6									
	04	9877	15	14	06	18	15	74	4	03	0	0	0	0	0	6									
	07	9878	17	15	06	18	16	74	2	01	0	0	0	0	0	6									
	10	9876	22	20	13	17	20	74	5	03	0	0	0	0	0	8									
	13	9897	27	25	19	35	08	74	1	01	0	0	0	0	0	5									
	16	9912	28	25	17	03	10	74	6	03	0	0	0	0	0	5									
	19	9933	25	22	11	06	09	74	4	02	2	0	0	0	0	5									
	22	9942	21	18	09	04	06	74	4	02	0	0	0	0	0	5				18	23		0000	30	12
06	01	9950	19	16	03	09	05	74	4	02	0	0	0	0	3	6									
	04	9951	22	19	09	00	00	74	7	03	1	4	6	6	7	6									
	07	9944	26	22	11	20	04	74	8	02	2	0	0	9	2	0									
	10	9930	27	23	13	23	09	66	8	02	2	0	0	5	2	8									
	13	9897	26	22	11	09	23	62	8	02	2	6	5	5	2										
	16	9898	25	23	17	06	15	08	8	15	3	6	5	5	2										
	19	9853	23	20	14	08	46	08		38	3														
	22	9860	24	24	21	08	42	00		39	3									09	55		0000	28	16
07	01	9862	26	25	23	08	41	00		39	3														
	04	9870	26	26	23	08	39	00		39	3														
	07	9882	28	27	14	08	30	06	8	36	3	7	6	4	2										
	10	9874	31	30	28	09	38	56	6	36	3	4	5	6	2										
	13	9883	31	29	25	10	37	66	6	36	3	4	5	5	7										
	16																								
	19	9885	30	28	23	09	28	66	8	36	3	5	5	4	2										
	22	9894	30	29	28	22	07	59	8	71	7	5	7	4						09	52			32	26
08	01	9889	28	27	26	28	05	59	8	71	7	8	6	4											
	04	9878	30	29	25	08	24	59	8	36	3	8	6	5											
	07	9885	33	30	24	07	23	66	8	02	2	1	5	5	2	8									
	10	9889	34	30	23	23	22	58	8	18	2	2	5	5	2										
	13	9897	34	30	23	06	20	61	8	02	2	3	5	5	2										
	16	9912	33	31	28	05	15	66	8	15	2	1	5	5	9	1									
	19	9921	32	30	26	04	15	61	8	02	2	7	5	5	2										
	22	9926	30	30	29	05	15	61	8	02	2	8	6	5						09	29		0001	34	27
09	01	9928	28	26	21	07	08	66	6	22	7	4	5	5	3	0									
	04	9931	30	28	26	08	09	48	8	73	7	8	6	5											
	07	9934	31	30	27	00	00	61	8	71	7	7	5	5	2										
	10	9934	32	31	28	17	05	48	8	71	7	0	0	0	2										
	13	9927	33	32	30	18	03	74	3	01	7	1	5	6	7	0									
	16	9923	33	31	28	18	06	74	1	02	0	1	8	5	4	0									
	19	9917	33	31	27	20	04	74	3	02	1	2	5	5	7	0									
	22	9910	28	26	23	12	04	66	7	03	1	7	5	5	0	0				09	12		0002	37	26

Results of Surface Observations,
WILKES – Dec., 1959

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	9897	25	24	19	11	09	74	7	02	2	6	5	5	0	1									
	04	9887	23	22	16	12	11	74	6	01	2	2	5	5	0	6									
	07	9877	27	26	24	06	09	74	7	03	2	5	5	5	2										
	10	9860	31	29	24	05	15	74	7	02	2	7	5	5											
	13	9848	31	29	24	17	08	61	8	02	2	5	5	5	2										
	16	9832	30	29	27	09	20	08		73	7														
	19	9803	29	28	26	08	24	12	8	71	7	8	6	4											
	22	9787	29	28	25	09	27	08	8	38	3	8	6	5						09	34		0013	34	21
11	01	9787	30	28	24	09	20	56	8	71	7	8	5	5											
	04	9790	31	29	24	05	15	59	8	71	7	8	5	5											
	07	9801	30	29	27	04	15	16	8	73	7	8	6	4											
	10	9804	31	30	29	03	11	58	8	15	7	8	6	4											
	13	9812	31	30	28	00	00	62	8	02	7	6	6	5	2										
	16	9812	32	30	28	02	05	62	8	02	2	5	5	6	2										
	19	9815	31	30	28	28	02	24	8	73	2	8	6	4											
	22	9817	32	30	27	03	08	56	8	71	7	8	5	5						09	28		0009	33	27
12	01	9821	30	29	28	18	04	59	8	71	7	8	5	5											
	04	9826	31	28	24	18	02	66	8	01	7	7	5	5	2										
	07	9835	34	32	27	00	00	74	7	02	7	6	5	6	2										
	10	9841	36	33	28	21	02	74	7	01	1	5	6	0	5										
	13	9847	38	33	25	00	00	74	1	02	0	0	0	9	2										
	16	9853	35	33	29	32	03	74	1	02	0	0	0	0	2	0									
	19	9861	32	32	29	03	06	74	6	03	1	6	5	5											
	22	9865	30	29	27	01	02	74	8	03	2	8	5	5						18	06			38	29
13	01	9871	26	25	23	10	04	62	8	02	2	8	5	5											
	04	9871	27	24	17	04	04	74	5	01	2	5	5	5	0	0									
	07	9870	29	27	24	02	03	74	7	03	2	7	5	5											
	10	9868	31	29	25	01	05	74	8	03	2	7	5	5	2										
	13	9864	32	30	25	04	01	74	8	02	2	6	5	5	2										
	16	9858	31	29	26	36	03	74	8	02	2	5	5	5	2										
	19	9855	32	30	25	00	00	74	8	02	2	7	5	5	2										
	22	9847	31	29	26	00	00	66	8	02	2	8	5	5						05	10		0000	33	24
14	01	9833	30	28	25	18	06	66	8	02	2	7	5	5	2										
	04	9817	29	28	26	17	06	66	8	02	2	8	5	5											
	07	9813	30	28	24	18	07	74	8	02	2	8	5	5											
	10	9798	32	28	20	21	07	74	8	01	2	6	5	4	2										
	13	9792	33	29	22	22	03	74	8	02	2	5	5	5	2										
	16	9787	31	29	26	25	04	74	8	02	2	5	5	5											
	19	9785	31	28	23	25	02	74	8	02	2	8	5	4											
	22	9787	29	28	25	28	02	74	8	02	2	8	5	4						18	10		0000	34	29
15	01	9790	29	28	25	00	00	74	8	02	2	8	5	5											
	04	9800	30	29	26	35	03	74	8	02	2	8	5	5											
	07	9825	30	28	24	03	03	74	8	02	2	5	5	5	2										
	10	9846	32	31	28	04	03	74	8	15	7	7	5	5	2										
	13	9870	33	31	28	36	03	66	8	15	7	7	8	5	2										
	16	9892	33	30	26	34	01	74	7	01	2	6	8	5	2										
	19	9914	33	30	25	25	02	66	7	15	2	7	5	5	3										
	22	9929	31	31	30	03	04	58	8	70	7	8	5	5						02	11			35	28
16	01	9937	30	30	29	03	11	61	8	15	7	5	5	5	2										
	04	9949	30	30	29	00	00	66	8	02	2	2	6	3	2										
	07	9951	33	32	30	00	00	74	8	02	2	6	5	5	2										
	10	9948	36	33	28	23	02	74	8	01	2	5	5	6	2										
	13	9943	35	31	25	30	01	74	8	02	2	5	5	6	2										
	16	9930	35	31	26	20	05	74	7	01	2	4	5	5	7										
	19	9915	32	30	28	18	05	74	7	01	2	1	5	6	3										
	22	9903	30	30	29	02	05	74	7	02	2	2	5	6	5					02	13		0000	37	29
17	01	9889	30	29	27	02	05	74	8	03	2	5	6	6	2										
	04	9882	29	28	26	03	08	74	7	01	2	2	5	6	3	8									
	07	9878	30	28	25	07	04	66	7	15	2	2	5	6	5										
	10	9874	30	28	24	03	11	32	8	71	7	0	0	0	2										
	13	9864	31	28	23	36	04	66	8	02	7	1	1	5	5	1									
	16	9856	31	28	23	31	02	66	7	02	2	1	1	6	5										
	19	9848	32	27	18	27	02	74	6	03	2	5	5	6	3	0									
	22	9836	29	26	19	21	04	74	1	01	1	1	5	5						02	12		0001	33	26
18	01	9831	24	23	21	14	03	74	3	03	0	1	5	5	3										
	04	9831	26	25	22	18	06	74	7	03	1	0	0	0	2										
	07	9833	27	26	24	17	07	32	8	73	7	8	6	5											
	10	9845	30	30	28	17	03	16	8	73	7	8	6	4											
	13	9852	31	31	30	36	01	16	8	73	7	8	6	4											
	16	9870	31	31	30	20	02	16	8	73	7	8	6	4											
	19	9891	32	32	32	00	00	16	8	73	7	7	7	4	2										
	22	9908	31	30	29	00	00	59	8	71	7	8	5	4						16	11		0014	33	21

Results of Surface Observations,
WILKES – Dec., 1959

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	01	9937	30	30	29	08	02	61	8	71	7	8	5	5	5										
	04	9959	31	30	28	00	00	66	8	01	7	6	5	5	2										
	07	9984	32	31	29	00	00	61	8	02	7	5	5	5	2										
	10	10002	35	32	27	02	03	61	8	02	7	8	5	5											
	13	10010	35	33	30	03	04	74	8	01	7	3	5	6	3										
	16	10011	34	32	28	01	02	66	8	02	2	6	5	5	2	8									
	19	10002	33	32	29	23	02	66	8	02	2	6	5	5	2										
	22	9999	33	32	30	00	00	74	8	02	2	6	5	5	2					16	07			37	29
20	01	9977	33	32	30	00	00	74	7	01	2	5	5	6											
	04	9959	32	31	29	27	04	74	7	01	2	5	5	6	3										
	07	9946	32	31	29	31	07	74	8	02	2	5	5	6	3										
	10	9936	40	35	27	18	04	74	8	02	2	6	5	6	4	5									
	13	9936	40	35	26	14	04	74	7	02	2	0	0	0	4	8									
	16	9931	39	33	24	09	17	74	7	02	2	1	5	7	5	2									
	19	9941	37	32	23	09	17	74	2	01	1	0	0	0	4	5									
	22	9943	33	29	21	09	06	74	1	01	0	0	0	0	0	5				09	21		0000	43	30
21	01	9939	30	29	25	20	03	74	0	01	0	0	0	0	0	0									
	04	9937	30	29	27	36	01	74	0	02	0	0	0	0	0	0									
	07	9932	34	31	26	21	04	74	0	02	0	0	0	0	0	1									
	10	9926	38	33	26	22	02	74	0	02	0	0	0	0	0	0									
	13	9908	37	34	29	28	04	74	0	02	0	0	0	0	0	0									
	16	9900	41	35	26	04	06	74	0	02	0	0	0	9	0	0									
	19	9909	40	35	28	00	00	74	1	02	0	1	1	5	0	0									
	22	9912	39	34	26	09	03	74	1	02	0	1	5	5	0	0				05	15		0000	44	29
22	01	9924	40	34	25	00	00	74	7	03	1	7	5	5											
	04	9924	37	34	28	00	00	74	7	03	1	7	5	5											
	07	9932	37	33	25	09	09	74	2	01	1	2	5	6	0	0									
	10	9932	40	33	20	18	04	74	0	01	0	0	0	9	3	0									
	13	9933	37	33	27	33	05	74	0	02	0	1	1	5	8	0									
	16	9939	40	34	24	04	03	74	0	02	0	1	1	5	8	0									
	19	9939	36	32	24	09	16	74	1	02	0	1	4	6	0	0									
	22	9948	36	32	25	29	05	74	7	03	1	7	5	5						09	23		0000	43	33
23	01	9954	35	33	30	00	00	74	7	02	2	7	5	5											
	04	9954	35	32	27	31	02	74	7	02	2	7	5	5											
	07	9956	36	33	29	04	06	74	1	01	1	0	0	0	4	0									
	10	9949	41	36	30	00	00	74	1	02	0	0	0	0	4	0									
	13	9939	42	36	28	27	04	74	1	02	0	0	0	0	4	0									
	16	9933	39	35	28	25	03	74	4	03	0	3	5	7	2										
	19	9924	35	31	25	21	04	74	7	03	1	6	5	7	2										
	22	9917	33	31	27	04	04	74	3	01	1	3	5	7	0	0				05	09			43	30
24	01	9912	31	28	23	04	06	74	3	02	1	3	5	7	0	0									
	04	9910	32	30	27	04	04	74	7	03	2	7	5	7											
	07	9909	35	31	25	28	02	74	6	02	2	6	5	7	0	0									
	10	9906	35	32	26	22	03	74	6	02	2	1	1	5	3	9									
	13	9898	39	34	26	28	03	74	2	01	1	1	1	5	3	0									
	16	9897	39	35	28	22	03	74	1	02	0	1	1	0	9	3	0								
	19	9892	38	34	29	23	03	74	1	02	0	1	5	7	0	0									
	22	9889	32	28	19	06	02	74	1	02	0	0	0	9	2					11	10		0000	41	28
25	01	9885	29	26	18	04	09	74	1	02	0	0	0	9	2										
	04	9891	32	30	26	05	04	74	6	03	1	6	5	5	0	0									
	07	9896	34	31	26	00	00	74	2	02	1	1	5	7	2	0									
	10	9899	35	31	24	03	03	74	7	03	1	0	0	0	3										
	13	9901	35	31	24	00	00	74	7	03	2	1	5	5	3										
	16	9901	33	30	26	33	03	66	8	03	2	6	5	6	2										
	19	9903	33	32	30	00	00	66	8	03	2	8	5	7											
	22	9910	31	31	31	34	01	66	8	02	2	3	5	6	2	8				05	10			37	28
26	01	9924	30	30	28	03	03	62	8	71	7	7	5	6	0	8									
	04	9941	30	29	28	15	02	66	8	02	7	5	5	6	2	8									
	07	9951	33	31	28	08	17	66	8	02	2	8	5	6											
	10	9964	36	32	24	28	07	66	8	02	2	8	5	5											
	13	9963	37	33	26	23	07	66	8	02	2	3	7	4	2										
	16	9960	38	32	22	23	06	66	8	15	2	4	5	6	2										
	19	9951	35	31	23	10	25	66	8	02	2	2	7	4											
	22	9942	35	31	24	10	24	66	8	02	2	6	5	6	2					11	41			40	28
27	01	9932	35	31	23	10	31	66	8	02	3	5	5	6	2										
	04	9950	34	31	24	18	11	66	8	02	2	4	5	6	2	8									
	07	9961	35	30	21	14	19	66	8	15	2	2	7	5	2										
	10	9963	35	31	24	14	02	56	8	15	2	2	7	4	2										
	13	9977	36	34	31	01	05	74	8	01	2	2	5	5	2										
	16	9999	33	32	32	16	08	08	8	73	7	7	6	4											
	19	10024	34	33	32	18	04	59	8	71	7	8	6	4											
	22	10035	33	32	31	30	04	74	8	02	7	4	5	6	2	8				09	37		0014	37	31

Results of Surface Observations,
WILKES – Dec., 1959

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	10053	35	31	26	05	08	74	8	02	2	5	5	6	2	8									
	04	10072	34	31	27	20	02	74	8	71	7	4	5	6	2	8									
	07	10089	34	32	29	17	04	74	8	03	7	6	5	6	2										
	10	10096	36	34	31	22	04	74	8	02	2	7	5	6	2										
	13	10102	38	35	30	21	04	74	2	01	2	0	0	0	3	0									
	16	10111	38	35	31	23	02	74	1	02	0	1	1	5	3	0									
	19	10113	35	33	30	00	00	74	2	03	0	0	0	0	2	0									
	22	10111	28	28	28	32	02	02		47	4									09	19		0002	41	27
29	01	10107	29	29	28	33	05	16		43	4														
	04	10101	29	29	27	30	02	48	8	56	4	8	6	4											
	07	10089	30	29	28	00	00	16	8	73	4	8	6	4											
	10	10076	31	26	15	19	08	74	3	01	7	0	0	0	0	2									
	13	10060	32	27	15	20	08	74	2	01	1	0	0	0	0	2									
	16	10057	35	31	24	16	10	74	8	03	1	0	0	0	0	9									
	19	10053	34	28	14	16	12	74	7	01	2	0	0	0	0	9									
	22	10045	30	25	11	14	06	74	6	03	2	2	5	7	2	1				16	19			36	27
30	01	10020	30	24	07	16	09	74	6	02	2	2	5	6	3										
	04	10004	29	24	11	04	02	74	8	02	2	0	0	0	7	8									
	07	9983	32	27	16	04	04	74	1	01	1	0	0	0	3	0									
	10	9964	34	30	24	34	02	74	2	02	0	1	5	5	3	5									
	13	9944	35	31	23	04	08	74	2	02	0	0	0	0	3	5									
	16	9927	33		16	02	06	74	8	03	1	0	0	0	3	1									
	19	9912	32		25	02	08	74	6	01	2	0	0	0	0	9									
	22	9894	28	27	23	01	05	74	6	02	2	1	5	5	5	1				16	14		0000	36	26
31	01	9883	26	25	21	00	00	74	6	02	2	1	5	5	5	0									
	04	9879	28	26	22	17	02	74	7	02	2	3	5	5	5	0									
	07	9877	30	28	23	08	04	74	1	01	1	1	5	5	0	0									
	10	9877	33	28	18	24	03	74	2	02	0	2	5	7	0	0									
	13	9876	35	31	24	33	03	74	7	03	1	4	5	6	3										
	16	9876	31	28	21	15	06	74	8	02	7	6	5	6	2										
	19	9873	31	27	18	18	02	74	8	02	2	5	5	6	2										
	22	9869	30	28	24	00	00	74	8	15	7	6	5	6	2					16	08			38	25

Results of Radiosonde Observations,
DAVIS – Apr., 1959

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																			
06																			
07																			
08																			
09																			
10																			
11																			
12																			
13	987	5100	14	510	071	5163	10	114	5194	08	159	5179	09	258	5217	08	371	278	05
14																			
15	987	5120	11	509	071	5173	09	114	5198	08	159	5218	07						
16	980	5143	10	515	065	5195	06	107	5221	06	152	5247	05	249	5284	04	358	307	04
17	979	5138	10	515	065	5183	08	107	5216	06	156	5251	05	249	5260	05	359	316	03
18																			
19																			
20	971	5075	10	522	060	5125	10	103	5159	09	148	5173	07	247	5257	04	357	244	05
21	986	5103	09	510	071	5133	08	114	5172	08	159	5200	08	259	5236	06	370	318	03
22	980	5139	08	514	065	5160	07	109	5204	06	159	5239	05	250	5244	06	361	320	02
23	986	5123	09	510	070	5165	06	113	5195	06	158	5228	07	255	5279	04	365	325	03
24																			
25	007	5160	04	07	086	5164	04	129	5134	04	175	5162		274	5228		387	214	
26	009	5149	05	08	089	5092	05	133	5110		180	5100		283	5117	06	401	168	10
27																			
28	985	5166	05	510	069	5181	04	112	5198	04	156	5193	03	257	5163	04	373	209	03
29	982	5197	03	513	065	5224	02	107	5256	02	151	5271	02	249	5212		362	266	
30	980	5179	05	514	065	5217	04	107	5246	03	151	5231	03	246	5291	03	356	309	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																		
03																		
04																		
05																		
06																		
07																		
08																		
09																		
10																		
11																		
12																		
13	499	364	02	650	502		832	598	093	510								
14																		
15																		
16	487	358	03	639	444		827	548	090	482	278	493	543	511				
17	485	411	01	632	520		817	531	083	486	271	496						
18																		
19																		
20	481	453		628	520		813	541	076	502	263	518						
21	496	422		644	520		827	587	086	536	271	537						
22	487	420		636	509		821	554	081	517	267	540	526	561				
23	491	413		639	510		823	585	083	525	268	539	530	524				
24																		
25	522	225																
26																		
27																		
28	505	290		661	398		852	548	108	564	292	554	549	582	689	597	869	596
29	491	346		645	408		836	529	096	522	281	547	539	583	678	626		
30	483	375		634	483		820	544	082	525	267	545	495	584	635	601		

Results of Radiosonde Observations,
DAVIS – May, 1959

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	987	5063	13	510	072	5126	10	115	5158	09	161	5196	08	260	5219	07	371	305	03
02	992	5131	07	505	075	5160	05	118	5182	06	163	5207	06	262	5226	05	374	264	04
03	993	5150	05	504	075	5175	03	118	5190	03	163	5146		264	5177		378	237	
04	981	5150	05	513	066	5161	04	110	5138	04	156	5144		257	5161	08	361	224	08
05	976	5115	07	517	063	5130	07	107	5160	07	152	5178	09	251	5198	08	364	268	03
06	985	5150	06	508	071	5140	06	116	5156	05	162	5150	07	262	5171	08	377	219	08
07																			
08	978	5120	09	516	065	5150	08	108	5178	08	153	5219	07	251	5220	07	363	302	04
09	984	5180	06	511	067	5229	05	109	5259	04	153	5289	03	249	5250	04	360	304	
10	985	5149	07	511	069	5197	07	111	5220	06	155	5240	05	251	5302	03	362	308	03
11	985	5207	05	510	068	5206	07	110	5240	05	154	5268	04	250	5277	04	360	318	02
12	982	5158	06	513	066	5170	07	109	5155	09	156	5158	10	255	5209	08	368	265	06
13																			
14	980	5143	09	512	068	5174	08	114	5189	06	159	5189	05	258	5246	06	368	332	03
15																			
16	979	5174	04	515	064	5193	05	106	5208	04	151	5236	03	249	5240	04	359	322	02
17	980	5140	08	515	065	5191	05	107	5170	07	153	5170	09	251	5255	05	361	345	03
18	993	5101	10	506	076	5160	07	119	5195	07	164	5208	07	262	5259	05	372	332	03
19																			
20	984	5060	20	512	070	5089	14	116	5124	12	162	5161	10	261	5232	06	372	323	03
21	001	5091	08	02	083	5115	07	127	5151	06	172	5168	05	268	5239		382	330	
22																			
23	999	5095	08	00	081	5130	05	124	5168	04	170	5200	03	270	5191	03	383	258	
24	985	5160	04	510	069	5171	03	112	5201	03	157	5186	03	258	5166		373	205	
25	993	5142	07	504	076	5178	07	118	5208	06	163	5211	05	262	5184	04	375	245	
26	007	5142	06	06	087	5159	05	129	5187	06	174	5200	07	274	5206	05	386	278	02
27	991	5090	08	507	074	5113	07	118	5153	06	163	5193	06	263	5206	07	376	272	03
28	995	5048	13	502	080	5109	11	123	5131	11	170	5151	12	270	5230	07	381	303	04
29	002	5086	10	02	083	5134	09	127	5164	08	172	5191	08	270	5260	05	380	342	02
30	000	5010	11	01	082	5161	10	127	5188	08	170	5210	07	268	5262	05	377	350	02
31	001	5189	03	02	081	5206	03	123	5229	02	167	5195	05	266	5250	04	376	331	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	500	358	02	652	451		836	585	092	547	276	552						
02																		
03																		
04	503	302	05	660	393	02	850	541	101	613								
05	493	335		646	456		833	574	090	575	270	603	522	610	660	647	830	678
06	510	287	06	666	399	02	856	556	105	658	281	621	530	656	661	708		
07																		
08	491	385	02	640	495		825	603	077	589	257	600	508	635	644	653		
09	488	372		639	477		823	606	075	589	255	590	507	634				
10	489	384	01	640	486		824	591	080	548	263	576	518	602	654	627		
11	488	376	01	639	474		824	579	083	522	268	538	525	596				
12	498	317	04	653	405	02	843	549	098	570								
13																		
14	493	449		639	543		822	568	080	555	262	576						
15																		
16	485	427		633	520		814	622	068	586	248	599	500	621	636	640		
17	486	443		632	541		813	633	065	590	245	620	494	640				
18	497	445		643	541		822	637	072	599	250	617	499	650				
19																		
20	497	428		644	561		825	600	083	550	266	573						
21	509	378	02	660	488		843	613	092	592	272	625	521	646				
22																		
23	511	342		664	458		849	603	098	620	277	605	527	642				
24	504	325		658	440		844	606	093	634	272	589	526	610	662	624	835	665
25	506	341		658	470		842	606	090	646	267	620						
26	516	339	01	668	497		852	605	100	653	277	618	525	662	660	676		
27	506	354	01	657	456		844	568	096	615	275	608	526	627	662	658	834	686
28	507	397	02	657	468		843	585	096	607	275	627	525	627	661	636	834	665
29	505	426		653	525		837	574	089	611	268	614	518	642				
30	503	426		651	517		833	612	082	632	259	622	507	668	642	658		
31	502	423		649	523		832	610	082	634	259	627	508	643	674	675		

Results of Radiosonde Observations,
DAVIS – Jun., 1959

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	5218	02	03	080	5217	03	122	5264	04	166	5208	05	263	5280	03	373	355	02
02	000	5155	06	01	081	5163	06	124	5172	06	169	5205	04	266	5266	03	376	340	01
03	993	5064	20	505	077	5103	16	121	5133	13	167	5160	11	266	5222	07	378	304	03
04	008	5081	10	07	089	5102	08	133	5148	07	179	5145	08	279	5200	05	391	273	04
05	008	5101	08	08	088	5150	06	131	5147	05	178	5130	04	278	5195	06	391	274	05
06	012	5203	03	10	088	5189	04	131	5196	04	176	5167	06	276	5221	05	387	295	02
07	997	5194	03	501	078	5145	04	122	5145	04	168	5148	04	265	5202	03	381	264	02
08	993	5173	03	505	075	5180	03	117	5211	03	162	5176	04	262	5219		373	278	
09	988	5157	04	507	073	5139	04	116	5153	04	162	5139	04	262	5211	03	374	311	02
10	994	5107	07	503	077	5154	05	120	5158	06	166	5194	05	264	5239		376	305	
11	978	5147	09	515	065	5146	10	108	5176	09	153	5201	07	251	5258	05	362	296	04
12	001	5249	03	02	079	5235	02	122	5233	03	166	5204	03	264	5225		376	278	
13	015	5146	10	13	093	5130	12	137	5127	14	183	5130	15	284	5183	11	398	235	
14	018	5090	07	15	096	5107		140	5125		183	5122	12	285	5155	05	400	210	04
15	011	5134	06	09	090	5119	04	134	5108		181	5122	10	282	5170	09	397	215	08
16	009	5127	05	08	088	5150	04	132	5122	04	178	5149	04	279	5158	05	394	211	06
17	005	5138	04	05	084	5202	02	126	5208	02	172	5170		271	5187		385	230	
18	990	5185	03	501	077	5219	02	119	5243	02	163	5258	02	262	5207		375	244	
19	981	5185	04	513	065	5191	03	108	5227	02	152	5251	02	249	5265		359	310	
20	978	5126	07	517	064	5171	07	107	5211	06	151	5248	05	248	5240	06	359	311	03
21																			
22	985	5113	07	511	070	5165	05	112	5205	05	157	5179	08	256	5244	05	366	335	03
23	975	5145	05	517	062	5163	03	105	5201	03	150	5170	03	249	5242		359	338	
24	973	5216	02	520	058	5249	02	099	5267	02	143	5260	03	241	5254		351	326	
25	978	5206	03	515	064	5132	10	107	5147	10	153	5181	07	252	5234	03	363	306	02
26	989	5180	07	507	071	5200	07	114	5190	08	159	5194	08	257	5270	05	366	310	03
27	992	5203	03	504	074	5234	03	115	5234	03	159	5234	03	256	5286	01	365	363	01
28	979	5143	08	515	064	5185	08	107	5208	07	151	5237	06	248	5301	02	356	356	
29	981	5171	04	513	065	5209	03	107	5223	02	152	5234	02	250	5255		360	301	
30	977	5135	07	516	064	5148	08	107	5183	07	152	5210	07	250	5219	03	362	306	01

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	446	01	644	529		826	613	076	623	253	640	500	664	634	684		
02	502	431		649	535		831	608	081	618	259	637	505	675	636	715		
03	505	386	02	655	492		837	654	083	675	256	675	498	719				
04	520	367	03	671	462		856	625	098	715	270	699						
05	520	367	02	672	454		859	568	107	677	281	660	523	728				
06	515	377	01	667	462		854	568	106	635	282	650						
07	510	354	01	663	450		849	610										
08	503	327		657	424		844	572	096	613								
09	501	377		653	458		839	590	090	609	269	633	514	707	644	744		
10	504	384		656	466		842	570	095	620	272	653						
11	490	368	02	611	479		827	569	085	550	267	564	521	631	656	681		
12	505	360	01	657	451		842	597	093	632								
13	530	272	06	687	395	02	877	564	121	760	288	729						
14	532	290	05	688	426		875	580	119	780	284	738						
15	529	308	04	684	402	02	874	564	119	749	286	737	523	759	651	772		
16	526	305	04	681	408		870	564	116	750	283	759	518	746				
17	517	318		671	440		858	573	102	756	269	741						
18	506	338		659	455		844	605	086	765	253	750	488	770				
19	486	380		637	481		823	571	071	697	242	712						
20	486	402	02	634	505		816	626	059	708	230	714						
21																		
22	491	445		639	529		820	637	063	710	235	708	474	730				
23	484	423		633	505		815	636	059	692	231	686	472	730				
24	477	407		626	522		805	664	050	686	223	697						
25	490	398	01	639	498		822	618	069	662	242	697						
26	494	390	02	644	490		827	628	073	668	247	688	487	739				
27	490	428		638	503		822	614	068	687	241	675	482	732				
28	482	409		630	503		814	615	061	667	233	692						
29	487	400		636	503		819	629	063	696	233	726	468	784				
30	489	386	01	639	505		822	612	065	723	234	725	469	778				

Results of Radiosonde Observations,
DAVIS — Jul., 1959

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	5116	08	518	066	5140	07	109	5181	06	154	5181	07	252	5240	05	364	293	04
02	983	5136	08	512	068	5169	08	111	5187	08	156	5204	07	254	5255	05	364	339	03
03	987	5167	05	506	070	5205	05	113	5216	05	157	5184	07	256	5239	04	366	330	02
04	989	5195	03	508	070	5213	02	113	5191	03	158	5193	04	256	5255	05	366	345	02
05	971	5125	05	521	059	5134	04	103	5160	03	148	5160	03	248	5230	03	359	314	02
06	959	5126	10	531	049	5123	13	093	5134	13	139	5159	11	238	5237	06	350	281	04
07	996	5138	10	502	078	5163	08	121	5189	08	165	5214	07	263	5275	04	374	321	
08	984	5064	12	512	071	5094	11	115	5134	09	160	5180	10	259	5215	07	373	245	07
09	979	5109	15	515	067	5088	18	110	5126	13	156	5173	09	255	5241	06	365	288	04
10																			
11	977	5089	09	517	064	5137	07	107	5175	07	152	5211	07	250	5257	05	360	330	03
12	986	5100	06	510	071	5138	05	114	5175	05	159	5199	04	258	5229	05	370	272	05
13	997	5108	05	502	079	5160	04	122	5197	03	166	5210	04	266	5229	06	377	272	04
14	998	5136	05	500	079	5175	03	122	5174	03	167	5196		266	5230		380	281	
15	990	5185	04	506	072	5228	03	114	5233	02	158	5239		256	5242		367	320	
16	986	5248	02	510	067	5285	01	107	5320	01	150	5318	01	247	5267		357	330	
17	983	5274	02	511	065	5306	01	105	5331	01	148	5353	01	241	5337	01	348	383	
18	992	5233	03	505	071	5294	03	112	5291	03	156	5314	03	250	5319	03	358	371	02
19	985	5174	08	510	069	5206	06	111	5244	05	155	5262	05	251	5281	03	360	339	02
20	998	5146	07	500	079	5195	05	121	5220	05	166	5227	05	263	5270	03	372	355	01
21	993	5241	02	503	073	5262	02	114	5280	01	158	5225		255	5263		365	351	
22	995	5272	01	502	074	5269	02	115	5250	02	159	5223		257	5276		366	365	
23	994	5278	01	503	073	5279	01	114	5243	01	159	5235		256	5279		365	358	01
24	986	5216	03	506	068	5246	03	109	5250	03	153	5280	02	249	5300	01	357	364	
25	982	5224	03	512	065	5250	02	106	5280	02	150	5300	02	247	5266		356	353	
26	003	5190	04	03	081	5228	03	123	5221	03	168	5206		266	5255		376	311	
27																			
28																			
29	998	5158	04	501	078	5198	03	121	5209	03	166	5206	03	264	5223		376	279	
30	994	5136	09	503	077	5154	10	120	5177	09	165	5216	07	262	5283	04	373	324	02
31	987	5052	20	509	073	5122	13	116	5153	10	162	5176	09	261	5215	08	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	490	371	01	641	487		823	645	063	756	230	756						
02	490	428	02	638	528		817	663	056	740	223	750						
03	492	434		638	537		818	658	058	743	226	744						
04	491	449		636	570		814	671	057	712	226	733						
05	485	399	01	635	493		818	620	060	702	231	704	469	757				
06	478	378	02	628	613		809	654	052	684	223	715						
07	500	417					830	606	076	715	245	745						
08	503	330		656	462		843	575	087	754	255	760						
09	496	334	03	648	465		834	603	075	757	239	798						
10																		
11	487	417		635	523		818	589	063	727	232	741						
12	500	346	03	652	470		836	627	075	779								
13	507	346		659	461		845	597	087	773	250	833						
14	509	370	01	660	472		843	631										
15	493	409		641	530		821	655	064	704	235	715						
16	483	419		623	520		812	634	057	675	231	682						
17	472	466		617	547		797	637	042	695	212	729	447	781	571	830	732	862
18	481	465																
19	487	418		634	525		815	647										
20	497	434		643	540		823	669	062	755								
21	489	455		634	568		813	661	054	734	221	762	452	810	577	831		
22	490	469		634	570													
23	489	465		635	544		814	646	058	700	228	740	462	779	589	810		
24	481	455		628	521		810	607	059	649	232	708						
25	481	443		627	540		807	629	054	691								
26	503	381	01	653	491		836	629	075	767	241	774						
27																		
28																		
29	506	329		659	458		844	622	085	748	252	753						
30	499	389	01	650	476													
31	502	392	02	651	497		835	631	080	693	250	736						

Results of Radiosonde Observations,
DAVIS – Aug., 1959

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	5057	10	03	085	5095	08	129	5132	08	174	5105	09	277	5181	08	390	255	05
02	005	5106	07	06	086	5145	05	129	5151	05	175	5138		276	5188		389	255	02
03	001	5153	04	02	082	5186	03	124	5215	03	169	5197	04	268	5222	03	380	294	
04	999	5037	17	01	083	5104	14	127	5138	12	173	5167	10	272	5200	09	385	287	04
05	001	5083	10	02	083	5138	09	126	5178	06	171	5206	07	269	5238	07	380	300	05
06	012	5058	08	11	093	5115	06	136	5137	09	165	5210	09	282	5216	07	394	313	05
07	999	5111	08	01	082	5138	06	125	5156	07	171	5172	08	270	5210	04	383	246	
08	988	5211	04	508	070	5234	03	112	5250	02	156	5264	02	254	5229		365	326	01
09	995	5153	04	503	076	5192	03	119	5194	04	163	5232	03	262	5238		372	323	
10	000	5090	09	01	082	5150	08	125	5184	07	170	5200	06	269	5226	04	382	250	05
11	000	5124	05	01	082	5152	04	125	5189	04	170	5169	05	269	5186		383	269	
12	992	5139	04	505	075	5173	04	118	5199	03	163	5230	03	259	5250	02	369	331	02
13	998	5175	04	501	078	5222	03	120	5261	02	163	5286	02	261	5222		373	307	
14	988	5261	02	508	069	5280	01	111	5317	01	155	5265	02	251	5275		361	330	
15	991	5232	03	506	071	5288	02	111	5325	02	154	5297	03	250	5294	01	359	353	
16	989	5224	03	507	071	5222	03	112	5248	02	157	5219	03	255	5248	05	367	279	05
17																			
18	982	5106	07	513	068	5145	06	111	5189	06	156	5225	05	254	5245	06	365	302	03
19	990	5154	04	507	073	5191	03	115	5209	04	159	5233	04	258	5233	05	369	293	03
20	980	5196	03	514	065	5196	02	107	5230	02	151	5243	02	250	5215	03	362	268	
21	971	5204	04	521	059	5169	05	101	5189	05	146	5217	06	245	5217		357	266	
22	972	5142	06	521	059	5164	05	102	5195	05	147	5220	05	244	5243	04	356	286	
23	978	5169	04	515	063	5204	03	106	5236	03	150	5231	04	248	5230		359	297	
24	981	5183	06	513	065	5206	06	107	5240	05	151	5270	04	247	5312	03	355	362	02
25	981	5193	04	513	065	5219	04	107	5245	04	151	5260	04	247	5317	03	354	375	02
26	985	5210	04	509	068	5243	03	110	5277	03	153	5292	03	248	5342	02	355	378	02
27	995	5233	03	503	074	5264	03	115	5301	03	159	5283	03	254	5320	02	361	381	01
28	996	5278	01	502	074	5315	01	114	5334		157	5283	02	253	5302	01	361	357	
29	983	5316	01	512	064	5307	01	105	5340	01	148	5329	01	243	5305	01	352	348	
30	974	5224	03	518	059	5253	02	100	5285	01	143	5311	01	238	5314	02	345	380	01
31	965	5281	01	525	051	5299	01	091	5329	01	134	5349	01	227	5333	01	334	396	01

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	520	348		674	474		856	621	094	803	258	778						
02	519	344		671	466		855	631	093	811	256	780	487	813				
03	508	371		658	487		841	634	082	751	249	764	479	824				
04	513	379	02	663	492		846	618	092	717	260	746						
05	508	384	02	657	505		839	657	078	758								
06	523	363	03	675	445		861	606	102	767	266	795						
07	514	297		670	414		859	573	102	795	266	769						
08	491	395	01	643	446		829	594	073	736	237	741	470	795				
09	498	414		646	505		830	609	074	735	239	788						
10	512	340	02	665	443		852	571	095	793	255	878						
11	512	351		664	457		850	604	089	813	247	865						
12	495	423		643	526		824	637	066	747	232	783						
13	500	410		647	540		827	667	065	744	231	780						
14	486	443		633	539		813	630	056	703	227	753						
15	483	449		629	540		811	626	053	725								
16	496	363	04	647	477		831	629	069	792	235	775						
17																		
18	493	371	02	643	495		827	633	065	806	227	810						
19	497	361	01	649	475		834	608	075	759	239	798						
20	492	362		643	484		825	628	066	773	229	821						
21	487	367		637	470		822	614	066	802	231	820						
22	484	382		634	498		817	621	056	808	216	842						
23	487	393	01	636	502		819	626	058	812								
24	480	415		629	511		811	635	051	753	217	800						
25	478	445		624	560		802	655	043	732	211	764						
26	478	465		623	554		803	641	046	715	214	750						
27	485	457		631	538		811	638	055	720	223	747						
28	486	425		633	532		814	642	056	734	223	768						
29	477	435		630	522		805	635	048	724								
30	537	457		615	543		795	649	036	729	204	760						
31	457	467		603	552		782	645	026	721	194	753						

Results of Radiosonde Observations,
DAVIS – Sep., 1959

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	969	5271	02	521	054	5331	02	094	5355	01	136	5376	01	228	5412		334	404	
02	975	5216	03	517	060	5265	03	101	5300	02	144	5308	03	239	5335	03	346	379	02
03	983	5209	03	513	065	5254	03	106	5293	03	149	5296	02	243	5330	02	349	407	
04	995	5344	01	502	073	5276	01	114	5271	02	158	5283	03	253	5298	02	362	367	01
05	988	5203	05	509	071	5147	06	114	5180	05	159	5214	06	257	5286	04	366	353	02
06	980	5158	05	514	065	5196	03	108	5183		153	5217		250	5291	02	358	366	02
07	982	5200	03	513	065	5234	02	107	5237	02	151	5255		247	5308	02	355	386	01
08	986	5279	02	510	067	5254	02	109	5236	02	153	5252	03	248	5318	02	357	352	01
09	997	5201	04	501	077	5191	03	120	5198	04	165	5175	08	264	5229	07	376	284	05
10																			
11	990	5222	05	507	071	5236	05	113	5263	04	157	5250	04	255	5244	03	366	274	
12	977	5118	12	517	064	5152	11	107	5178	10	152	5189	09	252	5177	12	365	254	07
13	972	5140	07	520	059	5174	06	102	5212	05	146	5247	05	244	5220	06	356	286	00
14	982	5160	05	513	066	5214	06	108	5248	04	152	5292	03	248	5295	03	357	344	02
15	988	5178	05	507	072	5121	04	116	5152		161	5154		262	5190		375	241	03
16														*					
17	970	5133	10	522	058	5181	08	100	5220	06	144	5250	05	241	5260	05	352	299	04
18	978	5155	07	516	063	5198	05	106	5224	05	150	5253	04	245	5336	02	354	351	02
19	971	5175	04	521	058	5187	04	102	5206	03	145	5206	06	243	5274	03	352	372	02
20	975	5260	02	520	060	5262	02	101	5269	02	145	5233	02	242	5272	02	351	374	01
21	985	5278	02	510	065	5306	02	106	5314	02	149	5329	02	244	5322	02	352	364	01
22	978	5225	02	517	062	5278	02	102	5301	02	146	5300	03	241	5306	02	350	348	01
23	987	5211	04	509	069	5250	03	110	5287	03	154	5279	03	249	5315	03	357	389	02
24	994	5231	02	503	074	5264	02	115	5289	02	158	5298	03	254	5297	03	362	374	01
25	993	5274	02	506	073	5232	02	115	5215		160	5220		257	5281		365	359	
26	005	5234	02	05	083	5201	02	126	5185		171	5158		270	5208		384	228	
27	992	5080	16	505	076	5140	09	120	5162	08	165	5154	11	266	5181	11	380	198	11
28	985	5135	07	510	070	5115	05	113	5157	03	159	5190	03	257	5237		370	248	
29	990	5083	09	505	075	5143	07	118	5174	07	163	5201	06	261	5245	05	373	277	04
30	996	5145	05	502	078	5174	03	121	5192	03	166	5174		265	5232		378	236	

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	457	451		603	528		785	619	027	756	193	780	423	812				
02	471	437		617	552		796	637	035	790	198	805						
03	462	469		617	575		793	688	034	736	201	774						
04	485	475		630	568		807	694	042	774								
05	490	458		635	569		812	703	048	768	214	757						
06	482	469		627	528		807	663	042	815	205	802						
07	478	476		623	555		802	666	042	730	210	755						
08	481	450		627	541		806	662										
09	505	337	03	658	441													
10																		
11	496	345																
12	495	345	03	647	465		832	593	081	663	257	647	503	672				
13	483	403		631	523		811	665	054	697	227	686						
14	482	303		632	468		816	634										
15	506	307	04	662	404		852	556	097	756								
16																		
17	479	416		626	558		805	638	047	727								
18	479	446		626	539		805	662	046	746	212	765						
19	478	481		621	595		799	669	040	730	208	750						
20	475	452		621	548		800	663	040	722	208	748	444	743	574	755	740	748
21	476	433		623	541		803	660	043	740	209	758						
22	475	436		621	548		800	674	040	726	209	731						
23	480	459		624	566		800	678	042	723	210	750	443	775				
24	486	452		633	538		814	626	058	724								
25	490	433		638	506		822	591										
26	516	293	03	672	408	01	862	550	108	763	270	817	496	820				
27	513	288	05	670	385	02	861	548	107	766	274	750	509	755	637	757		
28	500	317		655	407		845	557	090	767	255	745	490	770	619	760	786	731
29	502	368	01	653	463		840	575	087	724	255	717	494	724	625	721		
30	509	320		663	446		850	592	095	761	260	794	496	737	626	720	795	732

Results of Radiosonde Observations,
DAVIS – Oct., 1959

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	5149	04	501	078	5201	04	120	5228	04	165	5169		264	5205		377	255	
02	996	5107	09	502	079	5166	07	121	5198	07	166	5227	06	263	5284	04	373	305	04
03	986	5193	06	510	070	5164	07	112	5206	05	157	5249	04	254	5346	03	366	286	
04	997	5200	05	501	077	5229	05	119	5236	05	163	5229	04	262	5224		374	291	
05	998	5163	06	501	079	5186	06	121	5197	07	166	5206	05	264	5250	04	376	283	05
06	985	5157	04	510	070	5158	03	113	5168		158	5163		258	5191		372	235	
07	980	5137	05	514	066	5168	03	109	5178	03	154	5154		254	5173		368	235	
08	983	5102	07	513	068	5183	06	110	5198	06	155	5196	07	254	5204		374	258	
09																			
10	973	5105	06	520	061	5150	07	104	5198	06	149	5230	06	246	5245	06	358	292	05
11	972	5131	06	520	059	5180	06	102	5211	06	146	5234	06	243	5269	05	354	304	04
12	971	5164	05	518	058	5201	05	100	5236	05	144	5250	04	241	5268	05	351	328	03
13	965	5126	06	526	054	5149	07	097	5171	08	142	5198	07	241	5230	05	353	257	02
14	984	5117	07	511	070	5105	08	114	5124	08	160	5131	05	261	5209	03	373	308	
15	983	5136	04	512	068	5153	07	111	5163	04	156	5155	08	256	5210	03	369	259	02
16	004	5175	04	05	084	5203	04	126	5161	07	173	5165	03	273	5209		385	281	
17	002	5126	04	02	082	5157	03	125	5158		171	5140		272	5170		387	210	03
18	980	5124	07	508	072	5156	05	115	5192	05	160	5193	04	259	5218	06	372	276	05
19	980	5069	09	515	067	5126	02	110	5165	08	156	5189	09	254	5232	06	367	238	
20	975	5040	12	518	065	5089	11	109	5127	10	155	5170	09	254	5207	09	366	293	05
21	982	5080	08	517	067	5129	09	110	5162	09	156	5194	08	254	5245	06	365	299	04
22	975	5118	08	518	062	5165	08	105	5190	07	150	5219	06	248	5241	06	359	298	04
23	985	5143	07	511	069	5175	07	112	5201	07	156	5224	06	254	5220	03	367	261	
24	977	5085	10	517	063	5144	08	107	5178	08	152	5192	08	250	5265	05	362	282	05
25	975	5108	08	518	063	5151	07	106	5194	07	151	5223	06	248	5246	06	358	352	03
26	975	5107	09	518	062	5175	08	105	5207	07	149	5250	05	246	5256	04	357	295	
27	980	5138	06	514	066	5188	06	108	5211	05	152	5251	05	249	5264	04	361	284	02
28	982	5115	08	512	067	5190	05	110	5230	04	154	5269	04	250	5269	03	361	317	02
29	983	5084	10	510	070	5140	09	112	5164	09	158	5187	09	256	5260	05	367	325	03
30	986	5082	16	510	072	5117	14	115	5157	10	161	5185	09	259	5244	07	370	320	03
31	991	5136	04	506	078	5133	04	118	5143	06	164	5142	05	263	5238	03	374	316	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	508	332		661	443		847	592	091	745	259	738	495	736	626	738	794	734
02	500	379	01	651	487		836	596	082	685	254	708	493	727	622	743		
03	494	364		646	445		833	582	079	722	250	723	487	743	617	746	784	751
04	503	346		655	470		839	612	081	742	248	760	483	752	612	746	780	735
05	505	355	03	656	471		841	615	083	752	249	776	484	777	613	758		
06	503	310		657	438		844	589	088	745	254	781	486	773	615	754	782	738
07	499	323		653	449		839	595	083	776	248	761	483	763	612	741		
08	504	346		655	454		841	606	083	776	248	761	483	763	612	741		
09																		
10	486	381	02	636	488		819	625	055	778	224	760	458	762	587	745		
11	482	372	02	633	492		815	629	056	742	223	750	459	744	589	737	758	721
12	477	415		626	517		807	644	048	761	214	759	449	756	579	744	746	746
13	483	363		634	483		818	618	064	677	237	698	478	716	609	720	779	704
14	449	417		647	498		830	614	076	712	246	710	486	672	621	698	793	673
15	499	351	02	650	469		835	620	079	698	250	694	491	699	624	696	796	682
16	514	345		667	424		857	553	105	735								
17	520	290	05	675	414		866	536	113	742	280	746	516	754	645	748	813	727
18	501	355	03	653	473		837	613	079	706	252	730	490	717	621	723		
19	497	322	02	651	443		838	577	082	767	249	758	485	725	617	698		
20	493	372	02	645	451		831	610	074	736	241	749	478	724	610	707	781	702
21	494	371	01	645	467		830	610	074	703	244	721	484	705	616	708	788	678
22	487	402	01	636	502		820	587	069	670	243	690	485	676	619	695	791	690
23	499	270		657	369		850	514	105	662	275	764	506	783	633	776	800	755
24	492	323	04	646	412		835	574	109	747	248	742	487	705	620	695	792	683
25	486	369	02	638	443		825	583	069	740	237	723	476	718	609	677	783	666
26	485	370		636	477		820	614	062	742	230	752	468	709	600	705	772	687
27	489	359		641	467		825	622	066	752	233	740	471	713				
28	488	399	01	636	514		818	628	061	718	231	726	469	708	602	684		
29	493	405	02	642	514		822	655	061	734	230	726	470	698	604	677		
30	497	410	01	644	534		824	670	054	708	235	702	475	667	613	678		
31	501	405	01	650	524		829	667	070	706	242	693	486	665	621	662	796	648

Results of Radiosonde Observations,
DAVIS – Nov., 1959

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	987	5073	09	510	072	5120	10	116	5159	09	162	5177	08	261	5219	06	372	297	04
02	987	5077	07	509	073	5121	07	116	5166	06	161	5197	06	260	5208	05	373	281	03
03	970	5058	09	523	059	5093	08	103	5138	07	149	5173	07	248	5235	06	360	237	05
04	970	5087	09	522	059	5112	11	103	5131	11	149	5153	08	249	5235	05	360	281	02
05	989	5070	16	507	074	5121	14	118	5157	13	163	5172	09	262	5243	06	373	291	04
06	983	5100	10	517	069	5108	13	112	5136	11	158	5164	09	257	5242	05	368	291	03
07	985	5090	12	511	070	5160	09	113	5173	10	158	5179	10	256	5272	05	367	284	04
08	982	5063	10	513	068	5131	10	112	5150	11	157	5183	09	256	5261	07	367	296	04
09	985	5145	05	511	069	5133	04	113	5139		159	5149		259	5196		372	237	
10	982	5143	04	510	068	5101		112	5118		158	5132		259	5187		372	241	
11	984	5095	06	508	073	5139	04	116	5163		162	5174		262	5176		377	220	07
12	982	5086	07	513	068	5150	05	111	5175	03	156	5174		257	5186		371	228	07
13	975	5083	07	518	063	5127	05	106	5168	05	152	5174	05	252	5174		365	244	05
14	977	5070	06	517	065	5130	06	108	5152	06	154	5159	06	254	5221	04	366	265	04
15	973	5095	06	519	062	5147	04	105	5171	06	150	5168	04	249	5221		361	305	
16	967	5102	05	524	056	5142	04	100	5169	03	145	5200		244	5213		357	267	
17	971	5096	06	522	059	5136	06	102	5157	07	148	5198	06	247	5231	02	358	315	01
18	985	5075	09	511	071	5115	06	114	5139	04	150	5164	03	260	5207		372	262	
19	967	5075	06	525	057	5118	04	100	5141		146	5146		246	5202		358	288	
20																			
21	964	5042	13	528	055	5090	11	099	5125	10	145	5147	10	245	5211	07	357	297	04
22	974	5038	16	520	063	5081	15	107	5120	14	153	5150	12	252	5229	07	363	317	03
23	977	5064	11	517	065	5106	12	109	5136	12	155	5169	10	253	5248	06	364	335	03
24	976	5071	05	517	064	5109	15	108	5145	12	154	5181	09	252	5262	05	362	318	05
25	982	5061	17	513	069	5096	17	113	5131	16	159	5157	12	258	5233	07	369	362	03
26	977	5073	08	517	065	5105	06	109	5124	07	155	5245	05	254	5230	04	365	345	03
27	961	5070	05	530	052	5086	07	097	5098	07	143	5129	05	244	5197	08	357	318	04
28	987	5022	13	509	073	5097	10	117	5130	10	163	5157	09	262	5230	06	343	322	03
29	991	5036	12	506	077	5079	11	121	5091	12	168	5128	11	268	5210	06	381	260	05
30	984	5035	10	511	071	5099	07	115	5114	06	162	5114		263	5170	04	377	239	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	500	385	02	650	512		830	653	070	733	239	708	482	674	616	659		
02	501	375	01	652	491		834	649	075	721	245	707	489	651	625	634	802	639
03	491	329	02	645	440		831	603	074	729	243	705	487	657				
04	489	355	01	642	450		828	584	077	671	250	677	496	645	633	639		
05	501	375	02	652	468		838	597	084	672	257	679	504	633	641	627	820	600
06	497	360	02	649	464		834	600	085	629	262	630	514	584				
07	497	325	02	650	469		835	609	082	660	252	639	507	634				
08	494	349	02	643	515		825	626	074	643	249	638	500	601	640	588		
09	504	296		659	406													
10	503	324		657	438		845	561	092	682	265	657	515	586	655	591	837	545
11	509	288	05	665	410		854	580	098	719	269	679	519	600	660	550		
12	503	294	05	659	403	02	848	568	092	777	259	712	505	624	643	594	826	525
13	497	303	04	652	415	02	841	576	085	747	254	689	501	619	640	578		
14	496	343	03	649	463		833	627	079	690	252	680	498	636	636	595	817	569
15	490	351		642	472		826	620										
16	487	352		639	464		823	624	068	683	241	660	490	609	630	577		
17	485	405	01	634	490		818	613	066	648	242	637	491	609	631	586	812	575
18	502	352	02	654	449		839	625	085	677	260	668	509	617	648	596		
19	487	355	02	640	416		831	541	085	589	265	598	516	623	653	587	833	600
20																		
21	484	397	01	633	491		819	560	069	646	246	624	501	551				
22	490	403	02	639	502		823	606	073	649	249	628	503	564	645	539	831	528
23	489	424		637	510		820	616	069	638	247	615	501	566	674	528	860	515
24	489	394	08	639	498		822	583	079	533	265	515	529	498	675	495	864	494
25	496	391	02	646	472		832	577	083	600	264	569	526	439	675	433	869	414
26	494	364	01	646	456		833	583	085	614	265	574	525	510	671	488	862	443
27	486	349	02	638	453		824	601	075	590	256	575	516	518	660	508	850	466
28	501	387	02	651	478		836	596	089	604	269	593	528	520	673	495	863	460
29	511	354	02	662	450		850	557	105	602	285	597	541	535	686	518	873	491
30	509	292		664	415		853	568	108	573	290	573	548	533	693	519	880	499

Results of Radiosonde Observations,
DAVIS – Dec., 1959

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	975	5058	15	516	066	5105	12	1 9	5144	12	155	5162	10	256	5188		369	250	
02	987	5055	17	510	073	5110	14	116	5144	12	162	5174	10	261	5200	03	374	261	
03	990	5045	19	507	075	5105	14	118	5136	12	164	5154	11	264	5198	09	379	222	09
04	984	5036	16	512	071	5098	14	115	5110	15	162	5147	13	260	5214	08	372	272	05
05	987	5006	18	509	074	5076	15	120	5126	12	166	5156	11	266	5184	10	380	226	08
06	987	037	24	510	075	5041	19	120	5077	18	169	5119	14	269	5163	12	384	175	10
07	992	5001	19	505	079	5070	17	123	5104	16	173	5134	15	270	5170	12	385	227	08
08	994	5002	20	504	080	5069	19	124	5130	19	170	5141	14	271	5173	12	386	242	07
09	989	5013	16	504	079	5051	15	124	5070	13	171	5096	10	273	5167	07	387	226	05
10	982	5033	21	513	070	5065	18	115	5090	15	161	5116	13	263	5167	08	377	237	
11	985	5026	17	511	072	5094	16	116	5124	13	162	5129	07	263	5180		377	218	
12	989	5019	22	508	075	5075	18	120	5107	13	166	5146	11	266	5174	06	380	231	03
13	984	5003	13	512	070	5080	13	117	5108	13	163	5149	09	263	5197	07	376	288	04
14	986	5029	14	510	073	5070	15	117	5105	11	164	5132	10	264	5196	05	377	284	03
15	985	5008	15	511	072	5083	13	116	5120	12	163	5154	11	263	5196	09	376	261	06
16	987	5004	15	509	074	5077	14	119	5105	14	165	5146	12	265	5205	09	378	271	05
17	984	5029	15	512	071	5067	14	116	5093	13	163	5125	09	263	5206	05	376	270	04
18	991	5006	20	506	077	5074	19	120	5108	14	168	5143	12	268	5210	07	380	296	04
19	995	5010	20	503	080	5074	18	125	5094	15	171	5129	11	272	5205	07	384	282	04
20	998	5011	26	501	083	5072	20	127	5103	14	173	5144	11	273	5198	07	387	243	03
21	997	028	30	501	084	5029	24	129	5060	18	176	5091	14	278	5140	14	394	169	
22	997	021	19	502	082	5046	14	127	5074	15	174	5090	11	277	5102	06	395	145	
23	993	018	20	505	080	5031	17	125	5053	15	172	5097	14	275	5118		392	148	06
24	995	005	19	503	081	5038	20	127	5061	16	174	5098	12	276	5119		393	167	
25	999	010	18	00	084	5054	14	128	5091	12	175	5111	12	277	5140	06	393	181	04
26	005	5013	19	06	089	5069	19	133	5096	13	180	5125	09	281	5168	04	395	224	04
27	004	5011	23	04	087	5099	18	131	5101	20	178	5125	16	279	5180	08	394	210	09
28																			
29	997	034	31	502	083	5030	27	128	5053	26	176	5075	21	278	5146	13	393	236	06
30	988	020	18	509	075	5048	14	120	5080	12	166	5080	14	269	5126	14	387	150	05
31	980	003	12	515	069	5073	13	113	5108	12	159	5126	13	267	5146	14	376	180	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	500	318		654	417		843	556	103	524	289	555	551	524	696	503	884	481
02	505	319	02	659	428		849	540	109	501	298	484	565	482	712	475	902	473
03	511	317	04	665	431		851	587	111	505	299	494	566	483	713	465	905	461
04	502	347	03	654	462		843	562	108	491	297	453						
05	512	313	04	667	404	02	857	549	116	501	305	472	576	454	725	457	916	471
06	518	280	03	674	400	01	867	473	135	451	327	439	599	446	779	442	941	463
07	514	292	05	670	383	02	862	496	128	488	317	472	584	474	732	486	921	480
08	517	309	04	671	427		861	506	127	486	316	467	586	459	734	465	925	474
09	519	302	02	675	401		865	534	127	494	317	467	586	473	733	472		
10	509	324	03	663	421		855	476	124	462	315	451	585	471	732	478	922	472
11	511	256		669	369		863	515	122	485	311	479	580	473	728	466	919	456
12	511	316	03	665	416		856	539	114	513	303	471	574	435	724	437	917	436
13	504	360	03	656	440		843	566	101	543	289	472	562	417	715	423	911	432
14	506	350	01	658	455		845	564	104	539	291	489	560	440	710	434	904	438
15	505	351	03	659	416		848	548	105	533	293	465	565	438	715	426	909	434
16	507	336	03	662	413	01	850	576	106	531	274	466	567	419	719	401	915	415
17	505	351	02	657	454		845	567	102	530	291	464	564	428	715	413	911	402
18	509	370	02	659	478		844	569	103	521	292	462	564	423	715	413		
19	513	359	02	664	478		851	528	113	506	303	451	576	432	727	435	922	399
20	518	319		672	417		862	522	123	503	312	465	584	441	734	437	928	425
21	529	245	06	688	354	02	883	509	138	584	323	510	590	456	739	444	933	429
22	530	254		688	383		879	548	133	572	318	514	586	461	735	455	928	434
23	528	249	03	686	370	01	878	530	132	591	316	507	585	449	734	445	927	439
24	528	250		686	373		879	526	131	611	315	492	583	453	732	447	926	425
25	527	259		685	383		877	536	130	571	315	492	583	464				
26	528	295	02	684	397		874	548	128	524	316	507	583	461	732	438	926	434
27	527	290	05	685	354	02	879	503	137	530	324	501	591	468	739	456	932	428
28																		
29	525	305	04	680	404	02	873	468	143	448	337	431	610	439	760	438		
30	523	203	05	686	284	04	886	416	149	634	331	522	596	426	744	479	935	440
31	512	222		674	298		873	444	134	599	320	500	588	466	736	454		

Results of Radiosonde Observations,
MACQUARIE – JAN., 1959

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	048	24	502	083	5025	26	128	5046	22	176	5100	18	278	5149	12	393	210	03
02	996	036	36	501	083	5027	23	128	5067	20	176	5069	10	279	5127		395	179	
03	010	045	32	08	092	5050	24	137	5076	22	184	5092	15	287	5109		404	159	
04	026	017	30	22	106	034		153	038	12	202	016	21	308	5068	22	427	138	12
05	026	055	37	22	108	089	18	155	083	23	205	060	17	313	5030	12	440	090	10
06	012	070	50	10	096	050	29	143	082		193	061		301	5009		422	080	
07	004	072	50	04	090	018	42	135	005	32	184	5036	19	289	5104		410	075	
08	019	055	45	16	101	5003	19	146	5033	18	194	5080	18	296	5138	07	413	164	05
09	010	065	49	09	095	021	38	141	5011	34	189	5025	17	294	5053	33	414	116	24
10	009	040	34	08	092	5035	21	137	5066	21	185	5035	25	289	5060	11	409	102	
11	013	031	33	11	095	5036	30	141	006	09	190	000	12	295	5065	08	414	136	07
12	002	065	61	02	089	036	51	135	000	46	184	5019	37	288	5079	25	407	131	15
13	993	050	50	505	081	002	37	127	5025	32	175	5025	32	279	5090	20	397	171	10
14	997	080	54	502	084	5006	36	130	000	31	178	5030	21	283	5109	11	399	195	
15	991	030	42	506	079	008	41	125	5023	34	173	5050	31	276	5120	20	392	191	06
16	997	081	57	502	084	011	34	130	011	10	178	5006	14	285	5020	32	406	098	20
17	989	065	54	510	079	055	60	125	029	50	174	004	40	281	5013	32			
18	018	065	54	15	101	000	36	147	5015	29	195	5040		300	5076		419	129	
19	003	076	66	03	092	180	16	141	165	02	192	120	70	302	039	60	416	039	47
20	005	059	47	06	091	020	24	137	5010	12	185	5025		290	5088	12	409	130	
21	012	049	33	11	095	5039	19	139	5068	14	186	5087	06	289	5130		405	174	
22	009	053	43	09	094	004	37	140	5008	37	188	5024	35	294	5060	21	413	125	11
23	000	067	62	01	086	053	62	134	035	58	183	5002	39	288	5090	10			
24	995	060	59	503	083	040	57	129	015	41	178	5016	36	284	5050		404	095	08
25	996	041	41	502	083	5017	28	128	5052	24	176	5073	21	278	5149	04	394	163	14
26	994	046	39	503	081	5032	26	127	5056	24	174	5091	18	276	5146	11	391	231	05
27	998	073	50	501	084	5006	31	130	5034	16	178	5063	10	281	5115	14	398	199	10
28	987	050	39	510	076	5007	31	121	5040	22	169	5090	16	271	5156	07	386	243	06
29	998	026	34	500	084	5025	22	129	5058	20	171	5087	19	279	5133	16	397	145	
30	010	045	40	09	094	5022	32	139	5053	24	186	5076	20	290	5098	07	408	156	09
31	001	061	47	02	087	5036	23	132	5029	15	180	5052	14	284	5097	12	402	166	10

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	300		677	418		870	514	134	498	324	471	592	466	740	473		
02	530	241		690	356		882	532	141	502	330	487	595	499	741	503	930	480
03	540	240		700	345		893	520	149	582								
04	563	215	10	724	348	04	919	473	175	649	354	568	612	561	755	525	941	524
05	573	179	10	736	280		936	450										
06	562	156	07	727	251		929	412	192	617	372	573	633	575	774	548		
07	551	132		717	252		919	428	187	509	373	526	635	540	774	527	962	492
08	548	250	03	707	346	02	902	485	169	476	359	472	625	518	770	508		
09	551	213	11	712	342	04	908	477	169	579	354	490	618	528	761	513	948	492
10	547	206		708	349		902	509	161	552	345	540	606	517	749	518	935	520
11	549	234	03	709	356	02	903	503	160	560	346	534						
12	544	225	09	704	354	03	898	524	155	539	341	510	605	515	747	508		
13	531	268	03	688	411		877	498	145	456	337	459	605	503	750	500	938	500
14	532	286		690	385		884	474	150	477	340	468	608	479	755	467		
15	526	270	03	685	338	02	882	437	151	504	338	521	601	485	748	486	937	478
16	546	158	17	707	273	07	911	410	174	631	353	575	613	512				
17																		
18	555	196	04	717	330	02	913	488	177	477	363	541	624	544	766	516		
19	568	115	24	736	235	10	939	406	202	579	385	583	636	586	776	589	956	551
20																		
21	540	240	03	700	355	02	893	521										
22	551	208	11	711	330	03												
23																		
24	542	193																
25	529	272	06	688	314	02	886	442	153	494								
26	522	319	02	676	444		864	534	132	442	325	427						
27	532	278	02	688	393		879	533	140	491	336	476	600	482	746	479	936	489
28	547	340	02															
29	533	200		696	291													
30	544	234	07	704	325	06	900	489	164	542	350	512	614	496	761	471		
31	537	245	06	695	375	02	887	531	147	503	335	493	601	495	747	493		

Results of Radiosonde Observations,
MACQUARIE – Feb., 1959

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	034	42	513	072	5011	35	117	5029	32	165	5046	30	270	5086	25	388	148	16
02	991	059	47	507	079	005	37	124	5015	33	172	5037	29	277	5096	18	394	189	09
03	992	067	56	503	080	025	46	126	5007	40	175	5010	39	281	5048	33	399	092	26
04	003	038	43	03	088	5035	26	133	5062	21	180	5090	12	282	5170	07	396	223	06
05	007	076	52	06	092	025	37	139	5015	27	187	5052	22	291	5090		409	127	
06	985	078	67	514	074	061	66	120	050	58	170	020	47	276	5038	29	397	108	
07	987	056	55	510	070	014	42	122	5015	39	167	5031	36	275	5075	27	393	158	03
08	986	052	41	511	074	5019	32	120	5046	26	169	5078	21	270	5145	14	385	230	07
09	993	025	39	505	079	5034	27	124	5068	24	172	5095	21	274	5120	18	391	198	10
10	006	047	36	06	101	5028	26	136	5072	23	184	5025	10	289	5053	10	409	103	11
11	013	053	50	11	097	045	52	144	037	44	193	002	33	299	5058	26	419	112	14
12	018	080	59	16	102	035	45	148	028	38	198	025	28	304	5048	15	424	099	
13	012	084	64	10	098	089	70	145	064	62	195	035	48	302	5013	38	424	062	35
14	005	096	67	04	092	116	90	140	111	89	191	080	75	300	010	47	423	055	33
15	993	099	74	505	083	091	78	130	078	73	180	062	67	288	5003	48	410	067	31
16	996	065	48	502	084	5008	36	130	5041	24	177	5078	25	280	5118	07	397	188	05
17	990	065	47	507	079	5004	31	124	5040	26	172	5061	17	276	5108	19	394	162	14
18	980	042	29	516	070	5034	22	115	5079	16	162	5108	16	263	5180	05	377	242	03
19	982	024	32	514	071	5022	27	116	5059	19	163	5094	15	265	5171	10	380	200	
20	997	050	30	501	084	5040	22	129	5078	26	176	5120	12	277	5148		393	200	
21	997	057	50	502	085	046	49	131	5021	42	180	015	35	287	5030	10	408	107	09
22	004	067	40	04	089	5020	24	131	5045	14	182	5070	14	285	5150	10	400	203	
23	005	058	38	04	089	5014	17	134	5044	09	182	5064	18	285	5076	18	405	142	12
24	997	065	48	502	083	000	33	129	5037	24	173	5058	27	280	5101	09	398	137	
25	992	057	55	506	080	020	48	126	5014	40	174	5040	35	279	5096	25	396	180	12
26	990	035	39	508	077	5035	27	122	5075	23	169	5106	18	270	5180	09	383	281	03
27	994	032	33	504	080	5045	22	125	5081	18	172	5115	12	273	5187	08	386	275	03
28																			

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	524	241	07	682	378	02	873	516	141	463	331	486	598	477	746	476		
02	528	276	06	685	385	02	878	475	147	459								
03	538	189	13	701	281	06	900	445	163	565	347	536	605	579	728	538		
04	529	276	04	687	369		880	508	146	483								
05	546	242		705	352	03	898	522	160	510	348	499	613	506	757	506	940	495
06	535	140	06	697	293	04	893	447	161	494	348	510	612	506	755	497	941	487
07	529	234	08	685	360	02	882	486	150	453	342	458	610	468	757	487	946	498
08	516	326	03	670	415		863	431	137	411	331	439	604	435	752	456		
09	523	295	05	680	390	02	872	512	138	453	330	471	598	480	744	466	934	484
10	547	184	06	710	301	03												
11	556	202	05	718	316	03	915	488	172	590	356	537	617	527	762	509	950	500
12	563	196	06	726	312	03	922	489	178	544	357	574	614	555	756	550	939	534
13	565	148	06	730	257	06	932	430	191	652	366	625	619	573	760	542		
14	565	120	20	732	242	07	935	408	198	596	377	613	633	569	744	568	958	546
15	551	145	16	717	251	07	920	395	185	551	368	529	626	537	770	528	956	527
16	530	281		687	398	01	878	495	153	427	346	461	614	483	761	496	949	496
17	529	235	09	689	334	04	885	487	147	490	337	470	605	477				
18	508	318		661	432		854	421	130	401	325	433	596	441	745	465	936	459
19	513	289	03	670	391	01	861	519	130	425	324	433	596	459	744	470		
20	526	293		682	399		872	520	142	440	335	444	605	468	753	469	943	484
21	547	171	11	711	274	05	912	438	174	616	355	555	614	545	758	512	942	498
22	534	254		692	378		884	516	148	477	334	494	602	512	744	498		
23	540	208	05	702	309		900	460	161	579	345	545	605	531	748	502	936	497
24	535	233	05	693	336	03	889	489	152	495	340	520	603	509	748	520	936	490
25	530	251	05	689	349	03	883	511	145	485	335	484	602	495	748	500	934	504
26	512	366	01	663	440		854	454	128	416	322	431	594	463	741	483	930	485
27	515	369	02	666	474		853	507	122	442	316	445	586	470	733	483	922	492
28																		

Results of Radiosonde Observations,
MACQUARIE – Mar., 1959

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	009	050	29	08	093	5035	25	138	5073	21	185	5099	20	287	5097	08	406	148	14
02	000	042	36	01	085	5042	25	130	5077	20	177	5106	18	279	5149	12	394	189	05
03	015	046	34	12	097	5042	26	142	5012	22	190	5023	14	295	5071	17	415	110	15
04	016	073	54	14	100	020	39	146	5007	35	194	5020	26	301	005		423	082	11
05	019	042	47	16	101	016	42	147	025		196	041		303	5040		424	097	
06	996	071	58	502	084	054	41	131	054	48	180	036	45	288	5007	18	410	063	
07																			
08	999	047	46	500	085	006	39	131	008	43	180	5008	38	287	5017	18	407	096	08
09	981	074	58	515	072	026	41	117	5011	33	166	5020	24	271	5084	14	388	171	09
10	987	020	38	510	075	5036	31	120	5060	26	167	5060	28	271	5105	12	388	173	08
11	010	056	49	09	094	5018	32	139	002	46	188	5015	40	294	5046	33	414	058	31
12	010	059	54	09	096	134	47	144	049	36	194	050	39	302	5045	28	422	090	30
13	004	059	57	04	090	029	49	137	059	66	186	030	54	293	5026	38	414	089	28
14	991	037	38	507	078	5025	29	123	5059	26	170	5109	21	272	5156		387	225	06
15	987	050	53	510	075	5013	36	120	5044	30	168	5055	28	270	5140	15	388	147	07
16	987	015		510	075	5026	25	120	5090	19	166	5120	13	267	5194	05	380	253	
17	995	044	33	502	082	5037	23	127	5065	19	174	5099	17	277	5122	12	394	175	
18	986	026	28	510	074	5025	24	120	5061	21	167	5099	18	269	5120	06	387	135	06
19	001	026	26	02	086	5059	16	130	5090	13	178	5133	13	279	5089		398	138	13
20	995	080	68	503	084	072	72	131	066	72	181	061	61	289	5020	46	410	066	09
21	989	072	66	509	078	077	73	125	068	66	175	035	43	282	5030	36	403	090	26
22	987	081	72	510	077	040	57	123	009	48	171	5026	36	276	5094	19	393	183	07
23	980	045	48	515	070	5020	33	116	5036	33	163	5073	27	266	5144	16	381	221	09
24	011	034	32	10	094	5051	23	138	5089	18	185	5126	14	286	5165	05	401	209	03
25	000	053	41	01	086	5030	29	131	5061	21	177	5077	15	282	5113		399	161	
26	007	036		06	090	5026		133	5012		181	5028		286	5077		403	171	
27	005	030	42	05	089	5048	28	134	5054	30	181	5081	26	284	5140	15	399	193	07
28	014	041	30	12	096	5063	23	141	5022	08	189	5013	18	295	5054	11	415	123	07
29	013	065	57	11	097	051	53	144	018	42	193	015	28	300	5026	36	421	085	24
30	007	040	38	03	091	026		137	5006	14	185	5023	11	290	5061		439	140	09
31	020	052	40	17	101	5034	30	146	5049	28	194	5058	23	298	5069	11	417	128	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	542	216	10	704	317	04	900	493	157	563	344	498	611	476				
02	588	270	04	685	398		875	562	138	476	327	498	593	501	739	486	929	478
03	523	216	08	713	343	03	906	509	160	602	342	554	602	542	745	546		
04	563	189	12	725	295	06	923	466	183	611	366	573	623	564	765	559		
05	575	164		727	262		929	416	190	634	368	596	624	562				
06	550	167		713	305	03												
07																		
08	546	184	06	708	321	04	904	484	162	606	344	543						
09	522	279	03	678	427		871	425	144	444	336	466	604	492	750	502	907	512
10	523	227		683	342		878	518	143	482	332	489	629	493	744	496	930	499
11	556	161	12	721	263	06	923	416	184	643	361	617	619	580	756	561	938	547
12	562	145	19	727	264	08	928	443	189	580	369	614	621	573	762	569	945	564
13	554	154	08	718	266	07	920	425	186	534	369	583	622	579	763	573	945	556
14	520	277		679	323		876	466	149	441	341	474	606	518	748	526	933	532
15	525	212	04	686	324		881	497	142	483	331	495	595	524	739	531	924	549
16	512	286		671	350		866	438	140	433	333	462	602	494	748	462	938	474
17	529	238		689	350		886	431	156	486	343	516	606	521	751	530	936	518
18	524	210	04	685	332		880	492	140	531	327	508	590	525	734	531		
19	534	227	07	694	339	02	889	519	144	557	329	528	590	525	729	522	914	542
20	551	154	11	715	274	06	915	438	176	637	350	621	602	592	742	593	924	571
21	543	155	18	708	272	07	908	438	168	615	347	584	603	561	744	538	931	531
22	528	253	05	686	364	02	881	472	146	502	335	494	601	500	746	518	933	516
23	513	309	05	667	465		857	471										
24	535	256		693	374		885	531	144	510	330	510	595	510	740	519	925	536
25	534	264		692	371		884	524	144	520	331	516	593	531	737	535	922	545
26	538	251		697	376		898	536	145	553	329	533	590	537	734	531	920	523
27	532	304		687	393		878	544	135	562	318	556	577	552	718	549	903	540
28	552	210		713	330		907	515	160	653	337	610	594	587	732	573	914	563
29	560	175	10	723	303	04	922	453	180	623	359	594	616	553	759	539	944	514
30	574	265	01	731	403	01	921	535	183	499	372	519	633	539	775	541	958	547
31	555	178	09	718	283	05	917	468	174	647	354	565	611	570	753	560		

Results of Radiosonde Observations, MACQUARIE – Apr., 1959

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	029	043	48	24	112	117	31	159	065	20	209	043	22	316	5008	11	437	077	08
02	010	070	54	09	096	100	76	143	073	40	193	070	47	301	014	46	425	051	35
03	002	056	49	02	088	005	36	133	006		182	5027		287	5073		405	144	
04	999	032	31	501	085	5036	26	130	5076	15	178	5041		282	5091		400	151	06
05	989	038	47	508	077	006	42	123	5005	39	171	5032	31	276	5070	21	395	126	12
06	000	023	42	01	085	016	45	131	5010	38	180	5042	32	285	5057	16	404	144	06
07	012	030	43	11	098	065	44	145	054	32	194	034	25	301	5030		422	071	
08	020	083	59	17	104	087	37	151	059	38	200	025	25	307	5033	23	427	107	14
09	020	074	50	17	103	049	54	150	047	52	199	021	43	305	5035	32	426	118	11
10	017	053	42	14	099	5005	29	145	5045	22	192	5090	16	294	5146	09	410	221	02
11	000	061	52	01	086	5029	24	132	009		180	000	13	286	5049	22	406	130	14
12	007	035	38	06	091	5040	26	136	5048	24	183	5046	28	289	5054	32	408	126	22
13	993	066	61	507	082	070	66	129	035	54	178	5010	41	284	5062	31	403	124	22
14	993	048	42	505	081	002	34	127	5031	30	174	5046	22	279	5072		398	135	
15	003	021	30	03	087	5056	20	132	5072	17	179	5085	09	282	5115	06	399	164	
16	013	069	60	11	097	037	48	143	030	33	192	005	18	297	5115	15	415	136	
17	004	080	61	04	090	023	47	136	011	38	184	5021	20	289	5102	18	406	185	11
18	987	050	55	509	076	5017	37	122	5048	31	169	5080	26	273	5101	19	390	191	09
19	012	036	31	10	095	5046	23	140	5090	14	186	5088	09	289	5120	09	406	175	09
20	000	073	60	01	088	067	64	134	050	51	184	016	38	290	5057	39	410	115	11
21	009	055	55	08	095	095	64	142	076	50	192	038	44	299	5017	35	420	090	12
22	010	051	48	09	094	016	17	140	5014		188	5048		291	5132	06	407	230	03
23	016	042	45	13	098	008	19	144	5025	25	192	5059	20	296	5106	18	414	165	11
24	989	071	67	508	078	055	63	125	035	58	174	5006	43	280	5044	32	400	121	14
25	993	046	31	505	080	5040	22	125	5074	17	172	5128	11	273	5158	12	389	185	11
26	972	029	37	523	062	5021	30	107	5053	26	155	5085	23	257	5175	11	370	263	05
27	989	015	26	509	075	5080	19	120	5097	18									
28	999	040	37	501	084	5018	31	130	005	44	179	016	50	288	5025	36	409	105	
29	977	030	32	518	066	5015	26	112	5056	22	159	095	20	262	5135	11	377	216	05
30	984	021	29	512	072	5047	21	117	5084	14	164	5113	07	265	5194	05	378	257	

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	579	156	08	744	261	02	945	435	207	607	386	623	636	634	772	623		
02	563	125	11	733	240	08	936	417	197	645	372	635	622	624	760	618	939	609
03	541	232		701	336		899	453	164	512	349	556	607	570	748	510	933	523
04	535	253	06	693	370		886	509	147	523	335	509	597	542	740	544		
05	531	236	05	690	364	01	883	535	146	478	337	482	601	523				
06	540	253	05	698	379		889	548	147	515	333	536	593	546	734	561		
07	562	163		726	275		927	456	186	609	363	602	618	565	760	556	943	556
08	565	190	13	727	314		924	478	184	608								
09	563	212		724	317		920	506	180	582	362	570	618	577	759	575	941	567
10	541	317		697	378		893	438	165	455	355	496	615	586	756	552		
11	543	215	09	703	330	04	899	501	155	583	337	529	598	541	741	545	926	540
12	547	195	12	710	296	06	909	457	166	628	345	586	601	567	744	546	927	552
13	540	199	12	702	319	04	898	509	152	624	334	576	590	570	731	571		
14	534	245	03	693	365		885	539	146	521	332	526	594	530	736	536	920	555
15	533	287		689	404		880	522	144	504	331	509	594	525	736	536	920	540
16	551	233	06	710	354	03	904	506	158	650	338	577	594	564	737	535	922	545
17	540	264	07	697	414		887	519	151	505	338	521	599	539				
18	523	283	05	680	398	01	873	500	136	530	321	539	582	541				
19	540	254	03	698	384		888	571	142	615	322	578						
20	547	204	09	710	306	05	907	466	166	633	344	598	598	585	739	573	921	576
21	559	173		733	279		923	447	183	628	359	680	605	658	743	620	921	612
22	536	318		692	366		886	462	154	501	341	558	595	612				
23	549	236	08	708	352	03	904	457	163	581	346	541	605	560	747	557	926	585
24	537	225	06	698	310	03	893	484	151	607	335	528	594	537	738	542	922	565
25	523	269	06	680	398	02	869	548	132	491	321	505	587	484	733	490	921	524
26	499	378	02	651	466		841	470	112	435	304	455	575	452	722	469	912	482
27																		
28	547	197	12	709	317	03	906	464	167	554	352	554	609	570	751	559	934	557
29	540	260		703	288		904	376	181	475								
30	510	284		667	371		861	501	125	495	314	479	581	495	728	489	915	508

Results of Radiosonde Observations,
MACQUARIE – May., 1959

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	066	56	513	073	022	47	119	5010	38	167	5029	36	272	5102	21	389	176	12
02	005	014	34	05	089	5029	26	134	5021	23	182	5045	17	286	5094	08	404	182	
03																			
04	022	036	34	19	103	5036	27	148	5013	24	196	5031	24	302	5064	10	421	136	08
05	020	054	44	17	101	5010	29	147	006	18	195	5026	14	299	5070	09	419	157	
06	020	059	42	17	103	073	56	150	052	31	199	003	23	305	5052	14	425	108	07
07	002	054	54	02	088	014	46	134	5014	38	182	5039	33	287	5055	31	407	120	21
08	981	025	41	515	070	5025	33	115	5060	26	163	5090	21	265	5150	13	379	246	06
09	994	045	31	505	080	5024	32	125	5058	26	173	5085	24	277	5078	07	395	163	14
10	997	053	45	501	084	5008	32	130	5019	30	178	5039	23	282	5100		400	145	10
11	967	036	40	526	059	5015	32	105	5052	28	152	5070	25	255	5130	07	371	221	05
12	014	042	40	12	096	5046	26	141	000	10	190	5027	17	294	5087	10	413	157	11
13	014	056	43	12	096	5034	27	141	5079	20	189	5036	17	293	5088		411	155	06
14	996	043	33	502	083	5030	24	128	5070	20	175	5105	13	277	5156	06	391	242	06
15	015	021	32	12	096	5058	24	141	5070	21	188	5040	11	293	5102				
16	020	056	45	17	102	004	39	148	004	39	197	5012	37	303	5075	26	421	155	15
17	024	036	47	20	106	040	46	152	030	30	201	5006	29	306	5090	18	423	167	
18	022	050	48	18	103	020	42	149	035		198	000	18	303	5095	11	421	155	
19	002	063	26	02	088	5002	40	134	5017	24	182	016		288	5070	15	407	138	18
20	986	005	33	510	074	5089	19	118	5115	16	154	5115	16	266	5155	11			
21	985	5040	25	512	070	5100	16	115	5130	13	151	5165	09	260	5249	05	371	276	04
22	977	5020	23	520	065	5086	15	109	5121	13	156	5149	11	255	5224	06	367	310	04
23	992	5025	16	506	077	5086	11	121	5129	09	167	5156	09	266	5230	02	377	301	
24	002	5001	21	02	085	5077	18	129	5122	15	175	5150	13	275	5209	04	388	255	
25	000	032	46	01	085	003	25	131	5038		178	5087		280	5176		396	168	
26	989	006	36	509	075	5057	24	120	5089	20	166	5121	16	268	5156	17	374	195	11
27	992	5014	23	505	078	5091	14	122	5134	12	168	5161	11	267	5225	04	379	304	02
28	007	5006	25	07	090	5094	17	134	5105	11	181	5096	10	283	5152	08	398	230	
29	010	010	33	09	093	5021	30	138	5061	21	185	5084		289	5076		407	166	
30	013	038	43	10	096	053		143	005		191	5030		296	5075	19	413	174	10
31	013	039	47	11	096	023	49	142	5010	46	191	5036	35	295	5102	22	412	171	12

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	523	267	06	232	396	02	870	573	130	493	320	491	586	516	730	530	915	542
02	538	255	02	696	379		886	561	142	551	326	535	587	529	731	541	915	554
03																		
04	557	240	04	716	356	02	910	507	164	625	344	571	602	544	744	550	929	540
05	554	236		714	353		907	512	162	629	341	577	598	564	740	549	925	528
06	562	209		722	343		916	529	166	668	344	587	602	577	744	546	928	543
07	544	220	11	704	351	03	898	517	149	686	324	612	579	564	721	551	904	558
08	509	356	02	661	432		854	473	121	495	309	497	573	507	718	537	902	545
09	531	225	06	690	363	03	883	526	135	617	317	562	575	557	717	550	901	552
10	536	233	06	696	357	03	889	515	141	665	320	567	577	554	719	572	902	553
11	504	273		662	354		858	452	126	492	314	510	576	549	717	554	900	548
12	548	238	06	707	360	02	900	520	151	711	326	614	578	601	718	585	898	594
13	546	248	06	705	375	01	897	526	149	629	328	585	582	597	722	582	904	579
14	522	322	02	676	435		866	515	132	479	321	490	585	529	728	549	911	558
15																		
16	556	256	07	713	406	02	902	570	153	629	333	582	589	559	730	555		
17	558	253		716	379		907	550	157	707	332	616	585	577	726	557		
18	556	259		713	389		904	547	156	646	334	602						
19	543	230	09	703	359	02	895	531	149	574	334	538	594	559	736	561	919	545
20																		
21	501	354	02	654	396	00	850	414	124	408	320	429	592	435	744	421	937	444
22	495	373		647	437		838	501	106	451	298	447	568	463	716	466		
23	504	389		656	456		844	506	111	486	301	474	568	480	716	466	906	474
24	517	357		668	465		857	506	123	485	312	489	578	491	724	492	912	507
25	530	259		689	380	01	880	532	136	529	322	528	566	523	711	520	897	513
26	514	286	06	669	420		858	536	116	535	302	524	565	515	730	533		
27	507	353		659	446		849	514	114	489	303	490	570	490				
28	530	307		685	400		876	539	135	559	319	546	580	533	731	558		
29	541	266		698	410		888	550	141	608	321	576	578	570	718	587	897	588
30	547	283	04	704	396	02	894	560	142	648	322	555	582	540	722	597	901	602
31	547	276	06	704	393	02	894	553	144	646	323	571	580	558	721	575		

Results of Radiosonde Observations,
MACQUARIE — Jun., 1959

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	007	069	61	06	092	035	55	138	007	47	187	5016	43	292	5080	29	411	143	18
02	020	5022	22	17	099	5102	17	143	5135	12	189	5140	04	289	5178		405	192	
03	017	000	24	14	098	5032	31	143	5033	31	191	5050	31	295	5094	23	413	165	12
04	994	061	54	504	082	025	45	128	006	41	177	5018	35	282	5080	23	400	156	12
05	007	000	25	06	090	5078	20	134	5100	18	181	5106	15	283	5114		400	195	
06	017	031	45	14	099	5002	40	145	5026	36	193	5050	41	297	5108	22	414	177	12
07	013	066	56	12	098	040	54	144	005	43	192	5027	33	297	5085	24	415	145	14
08	001	035	44	02	086	5027	30	131	5063	24	179	5064	08	282	5136	05	398	201	
09	995	020	34	502	081	5056	19	126	5089	17	173	5128	13	273	5183	07	387	275	02
10	976	040	36	519	066	5013	31	111	5029	31	159	5060	25	262	5125	26	378	212	08
11	965	029	37	528	057	5026	28	102	5059	24	149	5088	19	251	5170	10	365	261	06
12	994	5036	20	503	079	5111	14	123	5145	12	169	5167	08	268	5202		381	265	
13																			
14	987	5025	18	508	074	5098	15	118	5126	13	165	5146	09	264	5234	05	375	324	03
15	991	004	32	506	078	5040	28	123	5070	24	170	5076	24	274	5085	11	392	162	08
16	977	061	49	519	067	009	39	113	5015	35	161	5040	32	266	5092	20	383	169	07
17	985	064	61	512	074	010	46	120	022	46	169	5006	25	274	5068		392	157	
18	988	068	62	511	075	041	57	122	008	55	170	5025	38	275	5072	30	394	168	08
19	988	057	59	506	080	010	45	125	5019	38	173	5042	31	278	5087	22	396	157	12
20	002	000	21	16	099	5080	17	143	5126	13	189	5164	12	288	5242	06	399	313	03
21	010	026	35	09	092	5065	20	137	5105	17	183	5139	14	284	5200		399	199	
22	009	043	46	08	092	5023	35	138	5040	32	185	5076	25	289	5096	20	406	169	10
23																			
24	013	028	41	11	095	5033	32	141	5028	28	189	5042	27	293	5113	08	410	186	04
25	022	050	51	19	104	012	46	150	001	46	198	5030	38	305	5055	17	423	135	07
26	993	035	43	505	080	5032	30	125	5062	25	172	5099	18	274	5166	11	389	237	08
27	003	039	42	03	088	5036	27	133	5034	14	181	5054	25	284	5120	17	401	188	11
28	999	056	54	00	086	030	48	132	5004	40	181	5027	36	285	5096	21	403	160	12
29	998	045	46	00	085	000	39	131	000	37	180	5025	32	284	5090	25	402	175	13
30	994	021	40	504	080	5038	29	125	5044	30	179	5056	28	277	5110	19	394	203	10

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	225		706	365	03	899	531	150	654	329	564	617	551	728	567		
02	538	296		693	402		885	550										
03	548	244	07	707	360	03	900	529	152	690	327	615	579	602				
04	535	262	05	692	399	01	882	560	138	586	319	579	574	600	712	621		
05	533	287		689	396		878	578	132	555	317	536						
06	548	267		706	376	02	898	544	146	691	320	644	474	547	725	580		
07	551	239	07	710	362	03	902	548	151	735								
08	531	277	04	687	406	02	877	546	129	647	308	596	561	598	701	584	882	586
09	516	352		666	487		852	566	111	536	295	550	554	562				
10	511	303	02	665	422		853	599	108	555	292	544	551	560				
11	493	380	02	640	461		831	562										
12	511	349		662	473		849	570										
13																		
14	504	330		659	394		850	526	108	549	291	565	549	567	706	585		
15	527	270	05	684	398	02	874	545	128	578	310	563	566	593	706	599		
16	518	276		673	424		862	569	116	603	297	584	550	608	688	630	864	674
17	527	268		684	374		877	522	129	637	306	618	556	622	694	621	871	645
18	528	270		684	408		875	541	134	565	316	577	571	593				
19	531	257	05	689	380	02	881	530	135	593	316	570						
20	527	361	02	678	467		868	496	132	519	320	486	581	520	726	531	909	569
21	532	293	03	687	417		875	542	125	591	307	549	566	551	708	553	892	559
22	541	268	06	699	366	02	891	535	140	715	312	671	558	643				
23																		
24	543	291		700	389		891	541	142	634	321	579	578	560	720	577	901	608
25	559	235		718	364		911	535	160	690	337	581	594	559	735	573	916	594
26	520	326	02	673	447		862	517	125	521	312	515	572	552	714	532	897	582
27	535	268	07	693	391	02	883	544	134	648	311	605	563	614				
28	537	271	03	694	387	01	886	543	138	626	317	591	572	591				
29	536	277	06	693	396	01	883	554	135	602	317	588	575	571				
30	526	286	05	682	408		871	569	123	586	307	539	569	507	714	517	900	542

Results of Radiosonde Observations,
MACQUARIE – Jul., 1959

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	987	039	40	510	076	5026	28	120	5071	20	168	5088	09	270	5155		384	241	
02	990	028	34	507	078	5040	23	123	5075	20	170	5112	12	271	5186	03	384	272	
03	974	049	51	521	065	006	41	110	5024	35	158	5049	30	262	5110	21	379	190	11
04	992	027	35	502	080	5051	23	125	5072	21	172	5080	07	275	5140	06	391	205	09
05	991	030	36	506	079	5032	32	123	5050	30	171	5078	25	274	5145	16	389	225	08
06																			
07	006	5033	17	05	087	5134	11	130	5163	10	176	5185	09	275	5206	05	389	247	03
08	995	003	34	504	081	5076	20	125	5118	15	171	5153	12	271	5197	05	386	221	
09	001	017	33	02	086	5031	30	131	5050	28	179	5048	30	283	5106	22	400	175	14
10	002	044	47	02	087	5014	35	133	5024	32	181	5050	30	285	5059		404	117	
11	994	051	50	505	081	014	42	127	5016	36	175	5049	29	279	5118	18	395	187	05
12	004	047	47	04	089	5021	32	134	5038	19	181	5062	12	284	5130	08	400	209	03
13	984	056	51	512	074	5026	32	119	5042	30	167	5041	31	271	5112	19	387	199	10
14	980	021	37	515	070	5037	26	115	5085	13	162	5103		263	5144	14	379	225	08
15	992	004	33	505	079	5060	23	124	5102	18	170	5136	13	271	5209	05	382	304	
16	007	028	24	06	090	5046	22	135	5090	18	182	5115	11	283	5200	05	396	241	03
17	983	051	44	513	072	5019	30	117	5069	23	164	5100	11	266	5145	05	383	193	
18	987	5008	26	510	074	5062	18	118	5095	14	165	5137	10	265	5209	07	376	309	03
19	001	017	32	02	085	5068	20	130	5104	16	177	5114	09	277	5194		392	194	
20	017	036	49	14	099	003	33	146	5029	28	193	5060	25	296	5125	11	412	181	07
21	020	037	44	17	102	5004	40	148	5014	35	196	5026	27	301	5089	07	419	140	
22	019	040	42	16	100	5043	27	145	018		194	5012		299	5070		417	151	05
23	018	055	40	16	101	077	26	147	042		196	007		302	5051		422	129	
24	027	050	44	23	107	5046	26	152	032	20	201	5016		306	5085		423	176	
25	029	044	46	24	106	5048	24	153	5002	17	202	5004		307	5081		425	151	
26	017	033	42	14	099	5045	26	144	5010		192	5036		296	5111		413	165	
27	007	026	40	06	091	5016	35	136	5035	32	184	5062	26	288	5115	08	405	171	07
28	000	043	48	01	086	5019	33	131	5042		179	5057		282	5143		397	222	
29	987	044	51	509	076	5017	34	120	5041	27	169	5069	20	272	5131	12	388	218	06
30	983	015	33	514	071	5045	20	116	5083	17	163	5115	13	263	5187	06	376	282	02
31	995	016	25	503	081	5050	21	123	5090	17	172	5105	10	274	5166		388	258	

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	515	335		668	452		854	598	108	581	289	583	545	563	686	570	866	577
02	513	343		660	447		854	561	111	555	294	555	551	582				
03	511	306	04	666	440		851	630	104	569								
04	523	312	03	678	422	02	866	565	118	581	301	551						
05	521	316	04	675	427		863	569	110	656	287	603						
06																		
07	519	327	02	672	447		859	591	111	572	293	573	549	575				
08	518	307		672	441		860	576										
09	534	280	06	691	384	02	881	568	126	745	298	640	548	627	685	625		
10	541	206	05	703	297	04	904	420	166	625	340	702	581	666	716	663	891	652
11	529	294		683	427		871	588	125	578	306	587	558	632	695	650	870	667
12	531	330	02	684	458		869	617	122	562	305	561	562	580	702	594	882	602
13	519	320	04	674	433		860	618	113	564	296	539	556	544	698	576		
14	511	305	04	665	442		851	608	108	528	293	543	553	545	695	564	877	571
15	510	395		657	550		841	553	099	559	282	569	540	557	680	608	859	603
16	527	302	06	682	428		870	577	117	662	292	652	541	626	678	641	854	629
17	516	284		673	382	02	864	558	117	614	296	597	548	616	685	643	861	659
18	503	405	01	652	484		840	521	102	519	288	562	545	574	685	593		
19	525	310		679	433		866	584	116	621	294	607						
20	547	264	05	704	382	02	896	539	143	753	314	656	560	677	694	678	867	681
21	554	239	05	713	376	02	905	534	154	725	324	671	541	655	706	676		
22	553	226	08	714	336	04	909	495	161	719	329	686	572	679	706	681		
23	558	222		718	353		912	517	162	737	333	665	579	649	715	649		
24	558	242		717	359		910	523	162	711	330	713	571	672				
25	561	242		720	362		913	518	163	712	332	711	573	681	707	698		
26	578	249		706	367		899	520	151	699	324	642	573	627	710	647	886	652
27	538	282	04	694	404		885	544	137	641	318	590	571	609				
28	529	312		683	432		873	534	129	578	312	557	569	574	710	584	890	609
29	520	301	03	674	441		861	609	111	594	293	545						
30	504	381	00	654	507		838	593	096	550	280	551	539	553	678	571		
31	518	346		671	447		858	572	110	614	290	591	543	593	679	617	860	626

Results of Radiosonde Observations,
MACQUARIE – Aug., 1959

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	056	55	505	082	041	52	128	004	41	177	5013	37	281	5096	19	399	179	04
02	989	062	54	509	077	021	44	123	5008	38	173	5041	30	276	5093	20	393	180	10
03	973	039	47	521	064	5008	38	109	5040	31	157	5070	27	260	5141	16	375	235	07
04	987	030	33	510	075	5054	22	120	5061	20	157	5029		273	5081		391	173	
05	983	059	45	514	072	034	49	118	004	44	157	5024	39	272	5097	24	389	168	11
06	984	005	31	513	071	5050	24	116	5059	24	163	5076	15	266	5122		383	200	
07	002	003	28	03	086	5060	19	131	5104	18	178	5068		282	5103		399	174	
08	000	054	53	01	086	003	42	132	5035	29	180	5053	28	285	5093	14	403	160	06
09	999	044	43	501	085	5009	25	132	5022		180	5060		283	5108	14	400	177	11
10	981	044	42	515	070	5020	32	116	5050	29	163	5070	25	267	5124	07	382	220	02
11	001	026	37	01	086	5024	29	131	5069	22	178	5090	21	281	5126	15	397	195	05
12	998	044	42	501	084	5030	29	130	002	37	178	5046		282	5084		400	167	
13	991	025	43	507	077	5031	31	123	5029	32	171	5055	29	274	5113	18	391	204	08
14	004	042	46	04	088	5027	31	134	5065	24	181	5098	22	283	5165	12	397	257	06
15	014	039	44	12	096	5029	30	141	5046	28	189	5050	26	293	5119	16	410	178	06
16	012	027	46	10	095	5008	39	140	5060	25	187	5080	21	292	5097		409	171	
17	006	044	46	06	091	006	38	137	5024	34	184	5047	30	288	5110	19	405	184	10
18	997	048	42	501	084	5010	36	130	5035	33	177	5065	27	281	5095	23	398	164	14
19	998	051	53	502	083	015	43	129	5023	34	177	5045	31	281	5094	23	398	180	08
20	994	046	50	505	081	001	38	127	5036	30	174	5061	26	278	5109	20	395	182	11
21																			
22	002	024	39	02	086	5047	25	131	5032	23	179	5055		283	5092	18	401	171	11
23	996	019	23	503	081	5055	23	126	5061	13	175	5090		276	5152		390	240	
24	006	035	44	06	091	007	37	137	5015	29	185	5026	15	289	5104	13	406	181	13
25	997	031	32	501	084	5038	23	129	5079	16	176	5105	13	277	5185	04	390	286	02
26	004	043	32	04	088	5045	22	133	5086	19	180	5139	13	281	5170		395	242	03
27	992	033	17	506	078	5062	15	123	5104	13	169	5134	06	269	5213	03	380	324	
28	006	030	36	06	089	5048	24	134	5065	17	181	5081	13	284	5123	18	401	194	12
29	999	071	52	01	086	032	47	132	5005	35	181	5013	34	286	5093	22	404	161	15
30	000	000	31	01	084	5075	17	128	5117	13	174	5158	11	273	5233	04	384	328	02
31	017	049	41	14	099	5026	30	144	5072	22	191	5072	11	294	5137	05	411	176	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	532	293	02	687	422		875	584	124	616	304	607	557	607	695	625		
02	527	268	05	684	408	01	872	579	125	584								
03	506	302		662	399		853	516	114	526	301	514	563	537	705	564	887	593
04	525	274	02	681	403		870	575	123	567	307	534	567	554	709	566	891	576
05	524	261	05	682	393	02	870	581	119	586								
06	515	299		670	434		855	600	113	521	300	522	561	535	705	550	888	585
07	533	278	04	690	408		879	570	131	563	316	520	578	530	720	549		
08	537	273	05	694	404	02	883	570	135	640	313	557	572	530	715	531	898	570
09	535	260	07	693	364	03	885	526	132	761	301	666	553	605				
10	514	300	02	670	405		860	525	123	552	307	554	563	588	703	598	882	622
11	530	293		686	425		874	559	125	583	308	545	566	572	706	574	885	611
12	535	247		693	376	02	885	540	135	652	315	572	565	596				
13	523	300	03	678	432		866	576	125	519	311	538	568	591	708	611	886	629
14	526	370	04	679	450		866	559	125	527	310	533	572	547	713	583	893	614
15	544	280	04	700	406	01	889	591	138	604	319	591	573	589	709	608	887	614
16	543	293		699	405		888	581	138	629	316	606	569	614	705	601	882	634
17	539	286	04	694	416	01	883	580	129	668	304	636	553	625	690	636		
18	533	265	07	690	390	02	879	586	125	592	300	647						
19	532	279	05	689	402		879	549	127	667	305	614	557	599				
20	529	228	06	689	344		885	486	143	568	326	553	585	547				
21																		
22	535	247	05	694	377	02	886	535	137	664	313	622	565	592	705	620	882	626
23	521	339		673	463		862	525	123	543	306	576	560	612				
24	540	274	06	697	398	02	888	541	138	679	311	666	557	670	691	666		
25	517	393	01	668	464		854	578	110	572	293	578						
26	526	333	03	679	446		864	622	111	646	287	638	537	630				
27	506	436		653	499		840	538	098	575	278	601	528	640	665	628	841	662
28	534	299	09	689	418		877	582	121	749	289	666	535	655	668	648		
29	539	255	06	697	374	02	889	527	140	688	314	619	566	605	702	631		
30	511	395	01	661	462		849	553	105	573	286	589	540	602	680	580	860	606
31	545	261	05	704	366	02	895	556	139	793	308	695	550	669				

Results of Radiosonde Observations,
MACQUARIE – Sep., 1959

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	048	43	09	094	5020	32	139	5062	25	188	5016	10	292	5091		410	157	05
02	012	006	32	10	094	5048	26	138	5080	22	182	5118	17	283	5189	10	397	227	05
03	011	031	31	09	093	5022		138	5022	22	196	5051	23	290	5106	18	407	165	
04	990	048	48	508	077	5007	35	123	5030	32	171	5054	29	275	5090	25	393	159	14
05	989	035	33	508	076	5043	24	121	5096	18	168	5124	17	263	5203	09	380	294	
06	002	005	28	02	086	5066	21	130	5105	16	177	5140	13	277	5219	06	388	310	02
07	995	044	46	503	082	5013	35	127	5044	28	175	5065	27	278	5120	17	395	185	08
08	013	036	42	11	095	5050	25	140	5082	22	197	5113	18	288	5194	09	401	255	05
09	014	056	45	12	097	5026	30	143	5038	28	190	5030	10	295	5079	12	413	174	12
10	997	061	49	502	084	010	43	130	014	47	179	5007	41	285	5078	35	403	162	11
11	980	000	16	514	070	5064	11	114	5100	09	161	5130		261	5212		375	288	
12	991	019	28	507	077	5090	18	121	5101	18	168	5124	16	271	5119	19	387	147	05
13	981	022	37	515	069	5025	29	115	5040	25	159	5085	22	261	5164	13	376	235	07
14	971	025	40	523	062	5023	31	107	5050	27	155	5094	23	257	5161	12	371	240	06
15	993	032	27	505	080	5048	18	124	5086	13	171	5130	11	272	5167		387	224	
16	999	051	52	00	086	5022	33	131	5058	26	177	5028		283	5110	09	400	175	04
17	997	014	31	501	083	5079	18	127	5107	15	173	5126	12	274	5177		389	217	
18	995	006	27	503	080	5073	19	124	5113	16	171	5130	15	272	5144	09	388	195	
19	001	015	24	02	085	5062	20	130	5105	16	176	5134	14	276	5200	03	391	228	03
20	017	019	20	14	098	5072	19	142	5117	13	188	5146	11	288	5229		399	317	
21	017	025	26	14	098	5061	20	142	5086	20	189	5076		293	5092		411	165	04
22	008	047	43	07	092	5029	33	137	5031	17	185	5052		289	5100		405	166	
23	993	042	47	504	081	5031	30	126	5070	23	173	5095	19	276	5125		392	193	
24	001	015	20	02	085	5070	16	129	5106		176	5126		278	5125		395	148	10
25	997	055	47	502	084	002	38	129	5030	31	177	5059	25	281	5088	11	399	152	16
26	004	045	38	04	089	5025	15	134	5046	07	181	5077	06	284	5167	09	398	231	07
27	997	042	40	501	084	5035	21	128	5070	15	176	5095	06	277	5179		391	260	
28	981	051	43	515	070	5012	36	116	5040	30	163	5053	25	247	5114	14	383	190	09
29	976	028	41	519	066	5025	32	111	5065	24	159	5091	22	260	5170	12	374	257	06
30	975	054	45	519	066	5024	26	111	5062	20	159	5090	17	261	5155	09	375	229	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	545	248	02	704	365		896	549	143	749	313	662	558	669	692	671		
02	528	305	02	682	450		868	603	116	664	291	659	536	692				
03	542	258	04	700	378	02	892	531	140	736	312	676	555	699	687	703		
04	528	259	06	686	375	02	878	557	129	674	304	665	549	680	681	738		
05	508	394		658	497		843	579	096	610	275	611	524	651	659	657	835	652
06	516	344		671	427		859	553	108	652	284	642	532	649	668	653		
07	529	265	04	686	390		878	537	130	683	304	643						
08	533	288	04	690	392	01	884	542	131	686	304	666	549	669	683	694		
09	548	240		707	356		901	521	155	661	328	559	576	640	711	654	883	656
10	538	257	03	697	361	02	890	521	141	719	314	633	562	649				
11	501	388	01	651	464		839	543	094	625	272	613	519	689	654	651		
12	523	253	05	681	364	02	874	533	125	700	298	658	544	669	678	674	847	674
13	508	301		663	407		852	584	103	606	282	612	528	655				
14	501	354		653	469		840	536	100	537	285	534						
15	519	283		675	383		868	529	124	587	308	548	567	544	711	538	894	570
16	534	273	03	691	395	02	881	560	132	603	313	572	569	584	709	572	891	579
17	520	334		674	426		864	518	127	506	315	510	580	483	726	490	914	533
18	521	287	05	677	406	02	857	552	125	535	312	507	577	484	724	501	909	514
19	522	277	02	679	404		868	563	125	553	309	536	572	510	714	529	899	520
20	528	335		682	451		870	543	124	594	305	595	560	568	702	571		
21	546	260	03	704	375		896	541	145	657	322	638	572	618	710	619	888	630
22	541	252		700	387		890	543	141	630	319	599	571	617	709	611	887	586
23	525	287	05	682	394	02	871	562	123	631	300	632	549	633	686	622		
24	530	241	07	689	363		882	523	135	652	313	590	568	580	708	593	886	602
25	535	232	09	694	354	03	888	523	138	695	313	613	566	591	703	595		
26	530	313	04	685	396	02	876	549	124	724	296	667	545	615	683	604		
27	520	350		672	478		857	598	104	667	277	675	525	624	663	627		
28	517	283	06	672	414		860	606	104	691	277	674	521	681	655	675	830	634
29	504	370	02	653	514		836	605	087	630	264	647	512	635				
30	506	353	02	658	446		844	618	092	603	272	585	528	572	669	566	852	574

Results of Radiosonde Observations,
MACQUARIE – Oct., 1959

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	016	39	515	069	5071	22	114	5079	22	161	5094	16	263	5134	05	379	190	04
02	974	5007	27	520	063	5068	20	108	5102	16	154	5130	13	255	5208	08	366	302	03
03	991	000	31	506	077	5062	24	122	5102	19	169	5110	19	270	5163	12	385	247	04
04	000	020	30	01	084	5045	24	129	5065	19	177	5076	22	280	5131	12	397	174	
05	995	038	45	503	082	5035	27	127	5059	24	174	5097	20	276	5128	14	393	179	12
06	009	040	47	08	093	5008	38	138	5012	38	187	5028	36	291	5094	24	409	159	14
07	018	051	49	15	099	5037	25	145	018		194	5004		300	5012		419	145	06
08	003	054	46	03	089	010	40	135	012	33	184	004	25	290	5055	07	409	131	
09	984	061	61	513	073	015	47	119	5012	41	167	5033	38	272	5076	29	391	145	19
10	977	056	50	519	066	5005	36	112	5037	29	159	5068	21	262	5146	12	377	227	07
11	994	020	33	505	079	5055	26	124	5092	20	171	5084	22	274	5119		391	187	
12	005	041	34	05	089	5056	22	134	5085	21	181	5090	22	283	5155	12	398	221	04
13	029	021	28	24	107	5086	18	152	5026		200	5057		303	5122		419	217	
14	034	039	33	28	118	034	13	158	5001		206	5034		310	5101		427	190	
15																			
16	030	5013	28	24	108	012	19	154	5013		202	5036		305	5090		424	161	
17	016	051	42	13	098	5046	23	142	001	20	191	5024		295	5085		413	184	
18	010	005	22	09	092	5074	19	137	5112	16	183	5137	15	284	5167	09	398	203	
19	014	029	35	12	096	5043	28	141	5043	29	188	5060	24	293	5090	16	410	165	11
20	003	030	36	03	088	5043	25	132	5067	23	180	5052	15	284	5092		401	172	
21																			
22	005	052	49	01	086	5015	35	131	5032	30	179	5053	27	284	5060	10	403	153	06
23	999	061	52	501	086	002	33	131	5038	27	179	5070	23	283	5083	16	401	153	11
24	964	061	59	529	057	021	44	103	5004	40	152	5020	38	257	5073	26	376	131	17
25	977	045	44	517	068	005	38	114	5035	31	162	5058	38	265	5135	17	381	207	09
26	005	5006	33	05	088	5065	22	133	5102	17	179	5142	13	279	5215	06	392	253	
27	007	061	52	06	092	002	34	137	5037	25	184	5060	25	289	5077	18	408	145	08
28	014	059	50	12	096	5050	24	141	5075	07	188	5091		290	5159		404	247	
29	008	058	46	07	092	011	16	138	5020	13	186	5014		291	5056	09	410	150	07
30	014	038	50	10	097	003	52	143	5027	34	191	5041	15	295	5090		413	143	14
31	996	056	58	502	084	025	47	130	5009	38	178	5005	44	284	5050	32	405	100	23

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		668	417		856	590	106	582	288	546	549	532	693	515	880	513
02	493	393	01	643	505		829	511	091	552	275	532	537	523	681	525	867	510
03	515	354	01	658	478		851	588	105	600	286	569	544	558	686	562		
04	531	281		686	424		875	567	129	589	310	581	563	617				
05	527	271	06	685	369	02	878	519	131	582	313	561	572	548	715	551	897	574
06	544	255	07	702	392	02	892	556	145	591	326	581	582	566	723	575	905	570
07	555	266	03	712	383		904	531	159	623	337	608	590	596	730	585	911	581
08	546	205		707	323		903	492	157	614	338	549	597	564	737	565		
09	526	234	09	686	366	03	879	518	141	498	329	506	563	510	705	513		
10	508	330	02	662	430		850	551										
11	524	289		679	409		870	541	128	500	312	441	588	451	737	432	930	450
12	529	330	03	682	437		873	510	137	489	326	484	594	461	742	466		
13	551	317		704	435		892	568	147	555	332	519	597	482	744	486	933	495
14	561	276		718	393		908	560	161	586	343	560	607	459	754	463	943	513
15																		
16	559	238		719	338		914	508	166	681	341	603	597	567	738	539	922	526
17	547	261		706	301	03	901	543	152	661	329	600	588	559	727	517		
18	531	284		688	391		879	529	131	638	309	583	567	542	709	523		
19	545	243		704	373	02	897	526	147	702	319	670	567	625	705	598	886	561
20	536	272	03	693	375	02	885	549										
21																		
22	539	222		700	315		897	492	151	679	322	684	566	669	701	671	874	689
23	537	242	06	695	361	02	888	533	140	639	317	625	567	625	702	629	881	650
24	512	222	08	672	348	02	866	522	122	579	303	585	558	591				
25	513	311	04	666	446		851	586	100	637	278	605	533	577	673	568		
26	523	301		579	410		868	571	126	549	308	589	561	613	697	634		
27	543	233	08	703	342	04	897	504	152	652	332	569	589	572	730	581		
28	534	350		686	456		874	539	135	525	320	531	581	540	724	546	908	556
29	546	242		705	351		898	519	153	667	330	592	585	572	726	548	911	517
30	549	244	08	709	336	04	903	519	155	651	333	586	590	545	732	550	916	496
31	543	204	10	704	320	04	900	499	154	626	333	587	588	587	728	588		

Results of Radiosonde Observations,
MACQUARIE – Nov., 1959

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	005	058	52	04	089	5022	33	134	5040	32	182	5041	34	286	5114	18	402	183	
02	015	040	44	14	098	5004	41	144	5015	34	192	5030	30	297	5085	23	415	159	15
03	005	056	55	05	091	044	42	137	012	22	186	040	13	294	5005		416	084	20
04																			
05	978	001	31	517	066	5049	25	111	5101	19	158	5135	15	260	5141	16	375	204	10
06	988	019	35	509	075	5060	17	120	5104	12	166	5135	12	267	5164	07	382	210	07
07	975	045	29	520	065	5025	21	110	5075	18	157	5116	11	259	5165		373	238	02
08	982	004	19	514	070	5071	20	114	5110	17	160	5148	14	260	5223	08	371	294	04
09	999	011	35	00	084	5052	22	129	5089	18	175	5135	14	276	5202	09	389	231	03
10	005	062	51	05	090	5005	31	135	5035	24	183	5039	26	287	5066		406	143	12
11	998	026	37	501	084	002	35	130	5006	14	178	5035		282	5080	12	400	152	16
12	978	058	52	518	068	001	36	113	5040	29	161	5055	26	254	5135	10	380	223	06
13	995	056	56	503	083	004	40	128	5037	33	176	5069	23	279	5131	11	395	198	08
14	995	052	51	502	083	5009	37	128	5028	33	179	5060	24	280	5114	16	396	186	10
15	011	036	34	10	094	5041	19	139	5048	18	186	5058	10	290	5100	08	407	150	08
16	003	052	44	03	088	5025	20	134	5040	26	181	5086	22	284	5073		412	169	12
17	988	044	53	509	076	001	42	122	5024	37	170	5053	31	274	5112	21	391	176	12
18	982	032	31	514	070	5049	21	115	5081	18	162	5107	16	253	5180	08	376	279	04
19	995	061	48	503	082	007	38	128	5004	37	177	004	43	283	5060	33	402	145	17
20	998	057	54	500	086	012	41	132	010	40	181	006	44	287	5044	35	407	119	23
21	990	031	35	508	077	5044	29	122	5067	16	169	5073	10	272	5139	11	387	243	06
22	984	042	44	513	073	5021	33	118	5065	25	165	5102	20	267	5173	12	401	247	07
23	991	017	28	507	077	5050	18	122	5085	16	169	5122	12	269	5216	07	382	281	02
24	006	040	46	06	090	5038	29	135	5060	26	183	5024	35	288	5050	32	408	109	11
25	007	046	43	06	091	5025	32	136	5060	25	184	5025	11	289	5077	26	408	144	18
26	011	035	27	10	094	5062	20	138	5098	18	185	5070	06	288	5093		406	149	
27	006	040	37	06	090	5035	28	135	5061	26	183	5043	17	287	5096	21	405	151	16
28	006	025	33	06	089	5075	21	134	5046		181	5068		285	5083	23	404	111	18
29	000	037	38	01	085	5031	29	130	5050	29	178	5059	27	282	5092		401	128	
30	007	028	30	60	090	5065	20	134	5107	17	181	5099	08	284	5099	07	402	152	

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	536	275		693	385		884	564	144	518	331	514	592	533	735	537		
02	550	249	08	709	343	04	903	511	154	670	332	618	584	593	725	567		
03	554	180	15	718	299	06	915	479	168	681	342	624	595	575	736	572		
04																		
05	508	300	05	662	431		851	527	115	459	306	478	572	492	719	485		
06	514	304	04	669	420		859	542	118	525	304	530	561	532	704	560	887	553
07	504	344	01	656	463		844	514	107	498	296	488	563	480	711	472		
08	500	354	02	652	442		839	576	094	577	277	531	540	507	685	506		
09	521	314		676	392		867	531	123	561	307	554	566	546	709	546		
10	542	240	06	701	355		894	529	150	631	327	581	583	566	724	566	908	535
11	539	234	10	698	366	03	891	511	147	619	326	596	582	550	724	504	906	513
12	511	338	00	662	447		855	467	126	469	314	507	575	562	718	527		
13	528	301	03	683	411		872	544	131	535	318	536						
14	529	312	03	683	426	01	874	516	135	512	322	506	586	508	732	489		
15	543	229	04	702	360		895	524	150	572	333	548	593	536	740	504	928	510
16	537	255	08	695	357	02	889	511	145	574	329	533	590	536	732	517	917	508
17	525	261	07	683	385	02	873	557	136	473	326	475	593	488	740	493	925	509
18	504	386	00	657	434		850	446	126	394	322	424	593	460				
19	538	229		698	333	02	893	515										
20	544	213	11	705	328	04	901	476	157	655	336	589	594	535	739	498		
21	519	303	04	676	370	00	870	491	136	493	324	511	585	532	728	557		
22	511	328	02	668	363		863	461	133	447	326	458	594	477				
23	510	370	01	661	469		849	527	113	489	304	439	581	376				
24	546	191	05	708	315		905	477	167	588	347	597	601	562	742	566	927	505
25	544	226	10	704	331	04	900	500	156	571	340	536	601	552	743	545	928	532
26	541	264		700	378	02	892	509	152	517	339	497	603	515				
27	541	234	09	702	300	06	900	478	156	586	339	531						
28	541	216	06	702	330	02	898	485	157	532	343	517	607	510	749	515	934	515
29	539	185	12	701	311	03	899	464	162	532	347	526	609	525	751	516	936	517
30	538	225		698	352		892	515	153	523	341	496	605	511	750	529	936	512

Results of Radiosonde Observations, MACQUARIE – Dec., 1959

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	036	28	20	104	5030	21	149	5010	39	198	5013	24	304	5046	17	423	129	17
02	019	067	53	16	101	000	42	147	5026	36	195	5054	31	299	5096	21	418	142	07
03	007	072	52	07	092	012	29	138	5043	27	185	5059	24	290	5087	09	401	170	10
04	011	049	48	10	095	012	30	140	5053	08	188	5026	14	293	5065		412	130	
05	009	044	38	08	094	052	42	140	010	36	189	5016	33	295	5042	35	414	138	12
06	990																		
07	001	014	23	02	085	070	18	129	5122	13	175	5150	12	276	5141		393	186	
08	009	038	27	08	091	5078	19	136	5083		183	5101		285	5120		402	186	
09	011	046	36	09	093	5054	23	138	5090	20	185	5041	17	291	5055		410	112	
10	011	032	42	10	094	5028	29	139	5056	34	187	5086	21	289	5095	17	407	147	15
11	009	036	44	08	094	026	44	140	5006	36	188	5006	36	294	5069	24	413	112	15
12	009	046	23	08	093	005	39	138	5018	28	187	5006	31	293	5048	18	412	134	15
13	005	048	54	05	091	012	46	136	5006	42	185	5029	38	289	5103	23	408	136	16
14	001	065	61	01	087	016	47	133	5017	38	181	5049	31	285	5110	21	402	165	15
15	007	053	39	06	090	5049	23	135	5044	14	183	5039		289	5079		407	121	11
16	005	072	63	05	092	053	58	138	033	60	187	5005	42	293	5066	28	412	139	07
17	007	040	48	06	092	038	52	139	071	36	188	056		297	021		419	081	
18	011	074	13	10	096	014	46	143	082		192	054	35	299	5030	21	419	121	
19	010	055	53	08	095	065	56	142	031	54	191	5090	41	296	5096	12	414	145	06
20	003	078	61	03	088	035	31	135	006	31	183	5010	36	288	5094	22	405	162	10
21	011	069	36	10	094	5024	31	140	008	25	188	5032	27	293	5070	13	412	145	10
22	013	072	62	12	098	020	46	144	020	43	193	5011	20	298	5073	13	417	146	11
23	021	065	60	17	103	039	43	149	024	32	198	5007	21	303	5062	21	422	131	06
24	021	075	50	18	103	5003	37	149	5011	37	198	5003	34	304	5050	17	423	118	12
25	024	075	51	21	106	009	28	152	5020	17	201	5029		306	5070		424	140	11
26	019	069	62	16	102	051	61	149	016	51	198	5004	46	303	5044	11	424	092	
27	015	071	60	13	100	024	40	145	032	44	194	015	35	301	5025	12	421	113	06
28	014	030	29	12	097	5008	12	142	5014	13	191	5030	12	295	5081	09	414	145	06
29	017	037	38	14	098	5052	26	144	012	10	192	005		298	5061		418	111	22
30	001	082	63	10	088	059	64	134	085	64	184	045	37	292	5006		414	086	21
31	987	075	54	510	076	040	50	122	005	39	171	5021	36	276	5083	22	394	169	11

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	560	205		721	347		914	516	167	636	348	549	608	534	751	529	937	522
02	554	240		713	350		907	511	163	592	345	563	603	545	746	544		
03	543	234		702	367		895	523	152	550	335	564	592	570	734	530	920	529
04	549	223	04	710	303	06	908	470	166	626	345	574	603	554	744	553	928	517
05	551	218	09	711	335	04	907	497	164	546	349	545	608	553	749	550	933	529
06																		
07	527	233		687	336		882	497	145	513	333	508	596	512	742	506	928	529
08	536	255		695	353		889	487	150	528	335	554	594	536	738	522	924	532
09	548	2 J		708	352		902	511	159	574	341	554	601	530	746	524	932	525
10	543	242	07	702	364		895	515	156	506	343	516	606	512	749	515	934	513
11	551	215	07	712	332		907	507	164	604	345	570	602	562	744	537	928	531
12	549	234	08	708	343	03	903	508	159	614	340	556	600	534	743	535	929	517
13	544	224	09	701	343	02	899	510	152	582	335	541	596	531	740	519		
14	538	243	08	697	359	03	890	528	148	531	334	522	596	519	742	509	929	508
15	544	217	06	703	360		896	518	153	544	339	521	601	528				
16	549	215		710	318	02	907	489	161	639	342	537	603	533	745	523	929	511
17	558	186		720	316		916	487	170	710	345	601	601	535				
18	557	208		718	330		914	472	171	634	350	578	611	511	756	532	941	525
19	551	213	10	712	319	04	909	473	164	642	346	564	604	529	747	536	932	546
20	540	273		698	375		891	509	160	462	348	491	613	500	759	502		
21	548	236	07	708	353	03	902	499	163	515	350	508	615	494	761	499	949	516
22	553	226		713	344		910	460	172	594	354	559	611	573	752	555		
23	559	223	06	720	323		916	470	174	561	357	552	616	556	758	548	943	517
24	560	230	08	720	328	02	916	493	175	544	359	547	618	545	761	534	946	532
25	560	235		720	330		915	503	174	570	357	558	616	548	757	544	941	523
26	562	219	05	722	323	04	919	474	178	563	361	553	620	549	764	540		
27	559	177	05	722	307	02	921	469	177	627	359	570	616	538				
28	546	242	03	709	352		903	514	161	526	348	537	608	545	751	501		
29	556	205	05	718	322	05	914	474	170	693	345	561	605	542	747	506	937	455
30	552	171		716	292		914	469	169	677	348	578	605	525	747	527	932	529
31	528	288	04	684	403		874	498	141	474	331	477	597	460	745	481	934	495

Results of Radiosonde Observations,
MAWSON – JAN., 1959

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	5028	17	508	075	5076	07	120	5111	05	166	5156	05	265	5205	03	378	256	
02																			
03																			
04																			
05																			
06	991	5037	18	506	077	5085	16	121	5088	19	168	5113	17	269	5177	11	383	244	07
07																			
08																			
09	970	5017	26	523	060	5055	21	105	5091	18	152	5118	17	252	5187	10	366	255	06
10																			
11																			
12																			
13	986	5013	24	510	074	5072	14	118	5113	13	164	5146	12	265	5200	07	377	286	04
14																			
15																			
16	992	5022	20	505	078	5076	16	122	5107	14	169	5155	10	268	5191	08	382	259	02
17																			
18																			
19																			
20	995	5016	18	502	081	5079	11	125	5119	11	171	5159	10	270	5242	06	382	281	02
21																			
22																			
23	007	5024	29	07	090	5090	17	134	5119	15	181	5144	13	281	5168	12	397	193	11
24																			
25																			
26																			
27	989	5024	31	508	076	5033	11	121	5070	12	168	5107	13	269	5178	11	383	249	06
28																			
29																			
30																			
31																			
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	335		661	437		849	557	113	459	306	431	580	417	732	407	928	404
02																		
03																		
04																		
05																		
06	515	305	04	672	365	03	864	534	121	500	312	453	584	431	735	418	930	405
07																		
08																		
09	497	313	04	652	410		842	531	111	430	306	417	582	405	734	401	932	385
10																		
11																		
12																		
13	506	356	02	658	451		846	539	115	423	310	415	586	419	737	397	934	396
14																		
15																		
16	512	336		666	420		856	522	125	427	319	420	594	417	745	412	941	414
17																		
18																		
19																		
20	511	371	01	662	455		853	477	125	431	319	427	594	418	744	425	939	416
21																		
22																		
23	531	275	06	688	371	03	881	519	145	477	336	456	607	450	756	452	948	453
24																		
25																		
26																		
27	514	319	04	668	422		859	472	131	415	326	418	600	429	751	418	946	422
28																		
29																		
30																		
31																		
31																		

Results of Radiosonde Observations, MAWSON – Feb., 1959

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	984	5043	17	511	072	5070	16	116	5101	16	163	5134	15	264	5187	11	377	270	05
04																			
05																			
06	991	5081	09	505	077	5110	07	120	5140	07	166	5163	05	266	5210	05	378	299	02
07																			
08																			
09																			
10	981	5058	21	514	069	5069	17	113	5102	16	160	5134	13	261	5169	11	376	213	09
11																			
12																			
13	983	5016	19	512	072	5057	14	116	5090	15	163	5122	14	263	5193	10	377	244	07
14																			
15																			
16																			
17																			
18																			
19																			
20	986	5085	07	509	072	5141	05	115	5170	05	160	5205	05	259	5182	05	373	225	
21																			
22																			
23																			
24	984	5096	06	510	070	5138	05	113	5179	05	159	5214	05	258	5185		371	254	
25																			
26																			
27	992	5089	06	506	075	5146	07	118	5174	07	163	5202	05	262	5200	09	376	266	05
28																			
28																			

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	507	324	04	662	411		852	513	122	428	316	421	591	414	743	403	938	414
04																		
05																		
06	505	379	01	656	462		848	432	123	412	319	423	592	430	742	444	936	428
07																		
08																		
09																		
10	508	285	05	665	372	02	858	527	129	397	325	405	601	421	752	418	947	416
11																		
12																		
13	508	324	04	662	433		850	526	121	410	317	407						
14																		
15																		
16																		
17																		
18																		
19																		
20	504	324	02	659	403		851	483	123	424	316	433	588	457	736	447		
21																		
22																		
23																		
24	501	330	02	655	429		844	533	115	424	309	426	583	438	731	439		
25																		
26																		
27	505	355	03	657	447		845	546	113	439	307	442	578	451	727	454		
28																		
28																		

Results of Radiosonde Observations,
MAWSON – Mar., 1959

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																			
04																			
05																			
06	997	5116	05	501	080	5129	05	123	5164	05	169	5182	07	267	5224	07	380	259	03
07																			
08																			
09																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20	992	5055	09	504	077	5144	09	120	5177	07	165	5199	07	263	5246	05			
21																			
22																			
23																			
24	985	5123	10	510	071	5125	04	114	5170	03	159	5205	02	258	5171	04	373	219	
25																			
26																			
27																			
28																			
29																			
30																			
31																			
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																		
03																		
04																		
05																		
06	511	328		665	434		854	516	123	454	316	470	583	463	730	463	920	471
07																		
08																		
09																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24	506	248		665	363		858	513	120	488	309	485	576	490	722	495	910	506
25																		
26																		
27																		
28																		
29																		
30																		
31																		
31																		

Results of Radiosonde Observations, MAWSON – Apr., 1959

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																			
04																			
05																			
06																			
07																			
08																			
09																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			
17	985	5183	05	512	069	5191	03	112	5214	03	156	5251	03	254	5238	02	365	305	
18																			
19																			
20																			
21	982	5190	03	512	067	5168	04	110	5190	04	155	5183	05	254	5238	03	365	329	01
22																			
23																			
24	988	5204	03	507	071	5197	02	113	5224	02	158	5155	04	258	5214	03	370	282	04
25																			
26																			
27																			
28	997	5103	09	501	081	5115	05	124	5137	05	170	5164	06	270	5168	11	385	218	08
29																			
30	985	5194	04	510	068	5210	04	110	5236	02	155	5258	02	252	5258		362	306	02
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																		
04																		
05																		
06																		
07																		
08																		
09																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17	493	344		646	451		835	514	101	481	290	495	555	493	700	514		
18																		
19																		
20																		
21	490	435		637	525		820	571	082	502	269	524	531	524	675	537		
22																		
23																		
24	498	387	02	648	467													
25																		
26																		
27																		
28	518	290	05	675	372	03	867	526	128	553	312	543	571	559	712	592	892	592
29																		
30	490	384		640	492		828	491	095	484	283	515	543	563	684	583	864	621
30																		

Results of Radiosonde Observations,
MAWSON – May, 1959

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																			
04																			
05	979	5138	07	515	066	5061	08	111	5075		158	5101		260	5128		377	198	
06																			
07																			
08																			
09																			
10																			
11																			
12																			
13																			
14																			
15	976	5156	05	517	063	5170	05	106	5202	05	150	5215	05	249	5231	02	360	324	02
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			
25																			
26	995	5182	03	502	076	5215	02	118	5219	02	162	5246	03	259	5248	03	371	287	03
27																			
28																			
29	000	5154	04	01	080	5202	03	122	5205	03	166	5242	03	265	5199		378	272	04
30																			
31																			
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																		
03																		
04																		
05	509	312		664	409		855	526	111	591	291	593	542	642	679	623	855	661
06																		
07																		
08																		
09																		
10																		
11																		
12																		
13																		
14																		
15	486	426		633	544		817	547	078	521	263	545						
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		
25																		
26	499	365	02	650	482		836	565	089	622	267	613	516	659				
27																		
28																		
29	507	359	03	658	473		843	620	093	594								
30																		
31																		
31																		

Results of Radiosonde Observations,
MAWSON – Jun., 1959

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																			
04																			
05																			
06																			
07																			
08																			
09	000	5096	08	01	083	5097	05	127	5134	04	173	5158	04	275	5154	04	391	210	
10																			
11																			
12	990	5191	04	506	072	5201	03	115	5219	02	159	5245	02	258	5230	02	369	277	02
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			
25																			
26	991	5250	03	505	072	5213	02	114	5217	02	159	5209		258	5228	02	369	312	02
27																			
28																			
29																			
30	982	5221	03	512	066	5232	03	108	5273	02	151	5273	02	248	5272		358	333	01
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																		
04																		
05																		
06																		
07																		
08																		
09	523	296	04	678	417		867	577	112	738	285	673						
10																		
11																		
12	498	362	01	650	464		836	582	089	603	269	587	521	626	657	667		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		
25																		
26	496	397	01	645	507		827	622	071	705	245	660						
27																		
28																		
29																		
30	484	403		633	482		817	612	064	668	237	699						
30																		

Results of Radiosonde Observations,
MAWSON – Jul., 1959

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																			
04																			
05																			
06																			
07	966	5200	03	524	054	5227	02	095	5256	02	140	5245	02	236	5288	03	345	362	01
08																			
09																			
10																			
11																			
12																			
13																			
14	999	5112	08	01	081	5186	06	123	5218	06	168	5215	06	266	5262	05	376	320	03
15																			
16																			
17	988	5216	03	507	070	5250	02	112	5273	02	156	5298	02	251	5299	03	357	358	02
18																			
19																			
20																			
21																			
22																			
23																			
24	006	5225	03	06	085	5104		128	5141		174	5166		273	5235	02	384	320	01
25																			
26																			
27																			
28																			
29																			
30																			
31																			
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																		
03																		
04																		
05																		
06																		
07	469	433		618	479		803	585	049	697	220	701	458	764	586	786		
08																		
09																		
10																		
11																		
12																		
13																		
14	503	396	02															
15																		
16																		
17	484	450		630	495		815	583	064	692	235	707						
18																		
19																		
20																		
21																		
22																		
23																		
24	511	408		659	513		842	624	084	724	252	722	489	752	617	790		
25																		
26																		
27																		
28																		
29																		
30																		
31																		
31																		

Results of Radiosonde Observations,
MAWSON – Aug., 1959

DAY	SURFACE			1000 MB.	900 MILLIBARS			850 MILLIBARS			800 MILLIBARS			700 MILLIBARS			600 MILLIBARS		
	PRESSURE	TEMPER-ATURE	MIXING RATIO	GEOPOT-ENTIAL	GEOPOT-ENTIAL	TEMPER-ATURE	MIXING RATIO	GEOPOT-ENTIAL	TEMPER-ATURE	MIXING RATIO	GEOPOT-ENTIAL	TEMPER-ATURE	MIXING RATIO	GEOPOT-ENTIAL	TEMPER-ATURE	MIXING RATIO	GEOPOT-ENTIAL	TEMPER-ATURE	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																			
04																			
05																			
06																			
07	017	5108	05	15	095	5169	05	138	5175	05	183	5176	05	282	5220		395	237	
08																			
09																			
10																			
11																			
12																			
13																			
14																			
15	994	5180	04	503	076	5165		118	5189		163	5205		262	5231		373	324	01
16																			
17																			
18																			
19																			
20																			
21	979	5096	06	515	067	5112		110	5155	03	156	5189	03	254	5216		368	261	
22																			
23																			
24																			
25	983	5235	02	512	066	5248	03	107	5289	02	150	5329	02	245	5321	02	352	372	02
26																			
27																			
28	001	5252	02	02	078	5284	01	119	5301	01	168	5242		260	5255		371	298	
29																			
30																			
31	974	5277	02	517	058	5277	01	099	5304	01	142	5325		236	5304		344	361	
31																			

DAY	500 MILLIBARS			400 MILLIBARS			300 MILLIBARS		200 MILLIBARS		150 MILLIBARS		100 MILLIBARS		80 MILLIBARS		60 MILLIBARS	
	GEOPOT-ENTIAL	TEMPER-ATURE	MIXING RATIO	GEOPOT-ENTIAL	TEMPER-ATURE	MIXING RATIO	GEOPOT-ENTIAL	TEMPER-ATURE	GEOPOT-ENTIAL	TEMPER-ATURE	GEOPOT-ENTIAL	TEMPER-ATURE	GEOPOT-ENTIAL	TEMPER-ATURE	GEOPOT-ENTIAL	TEMPER-ATURE	GEOPOT-ENTIAL	TEMPER-ATURE
	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																		
04																		
05																		
06																		
07	526	315		681	406		871	540	120	742	284	824						
08																		
09																		
10																		
11																		
12																		
13																		
14																		
15	499	429		646	540		828	627	071	734	240	734						
16																		
17																		
18																		
19																		
20																		
21	497	362		649	447		836	606	077	790	236	888						
22																		
23																		
24																		
25	476	461		621	550		803	609	051	681	222	718						
26																		
27																		
28	499	394		648	498		831	630	072	764	237	781						
29																		
30																		
31	469	420		617	524		799	621	044	721	212	757						
31																		

Results of Radiosonde Observations,
MAWSON – Sep., 1959

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																			
04	987	5307	01	508	067	5348		107	5357	07	149	5342		243	5359	01	349	395	01
05																			
06																			
07																			
08																			
09																			
10																			
11																			
12																			
13																			
14																			
15	995	5192	03	502	076	5128	04	120	5128		166	5139		266	5220		377	299	02
16																			
17																			
18	974	5135	07	518	062	5165	04	104	5211	04	149	5249	04	245	5322	03	352	332	03
19																			
20																			
21																			
22	984	5252		511	066	5291	02	106	5353	02	148	5317	02	244	5309		352	359	
23																			
24																			
25	998	5243	02	500	077	5290	01	117	5316	01	160	5340	01	255	5274	03			
26																			
27																			
28																			
29																			
30																			
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																		
04	471	478		615	578													
05																		
06																		
07																		
08																		
09																		
10																		
11																		
12																		
13																		
14																		
15	505	385	02	655	485		838	633	080	741	248	731						
16																		
17																		
18	478	437		624	543		803	669	041	762	207	773						
19																		
20																		
21																		
22	477	430		624	536		804	648	047	725	216	751						
23																		
24																		
25																		
26																		
27																		
28																		
29																		
30																		
30																		

Results of Radiosonde Observations,
MAWSON – Oct., 1959

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	5139	05	501	080	5155	03	123	5185	03	168	5197	03	269	5160		384	202	
03																			
04																			
05																			
06	002	5173	04	03	082	5195	02	124	5224	02	168	5258	02	266	5203		379	257	
07																			
08																			
09																			
10																			
11																			
12																			
13	976	5151	04	517	063	5175	03	105	5221	02	149	5243	02	247	5237		358	299	
14																			
15																			
16																			
17																			
18																			
19																			
20	983	5138	07	512	069	5154	06	111	5195	05	156	5235	05	253	5250	04	364	288	02
21																			
22																			
23	983	5153	06	512	068	5146		111	5166		157	5190		256	5212		369	255	02
24																			
25																			
26																			
27	979	5161	06	514	065	5170	05	108	5197	05	153	5205	03	252	5206		365	265	
28																			
29																			
30	986	5177	04	509	069	5209	04	111	5251	03	155	5295	03	251	5254	03	362	316	02
31																			
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	516	300		671	425		860	567	105	751	271	765	506	752	635	747		
03																		
04																		
05																		
06	511	302	02	666	422		855	577	100	730	267	762	501	764	630	757		
07																		
08																		
09																		
10																		
11																		
12																		
13	486	374		636	490		820	600	064	728	233	734	469	736	599	725	769	704
14																		
15																		
16																		
17																		
18																		
19																		
20	493	366		645	458		830	611	073	728	242	733	481	709	613	700	785	682
21																		
22																		
23	499	328		652	466		838	571	086	697	257	716	498	697	631	708		
24																		
25																		
26																		
27	494	339		647	449		833	599	076	775	241	769	476	737	607	715		
28																		
29																		
30	489	416		637	517		819	629	064	686	237	694	480	674				
31																		
31																		

Results of Radiosonde Observations,
MAWSON – Nov., 1959

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	993	5116	07	504	076	5168	03	119	5187	03	164	5193	06	262	5249	06	373	341	03
04																			
05																			
06																			
07																			
08																			
09																			
10	997	5088	10	501	080	5130	05	124	5143	04	169	5153	07	271	5130	13	387	206	09
11																			
12																			
13																			
14																			
15																			
16																			
17	973	5112	10	519	062	5116	05	105	5153	04	151	5185	03	250	5210	03	363	286	02
18																			
19																			
20																			
21																			
22																			
23																			
24	978	5094	08	516	065	5123	07	109	5163	07	154	5194	08	253	5236	05	364	305	
25																			
26																			
27																			
28																			
29																			
30	987	5054	15	509	073	5101	06	117	5137	05	163	5183	06	262	5176	10	376	249	06
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	499	392	00	649	492		832	623	075	710	246	697	491	649	627	637	805	614
04																		
05																		
06																		
07																		
08																		
09																		
10	519	285	05	676	392	02	867	537	116	694	288	682	537	630	674	620		
11																		
12																		
13																		
14																		
15																		
16																		
17	491	367	01	642	477		826	636	071	686	243	658	493	608	633	591	814	569
18																		
19																		
20																		
21																		
22																		
23																		
24	492	384		642	489		826	583	079	599	259	573	517	549	660	542	846	524
25																		
26																		
27																		
28																		
29																		
30	506	323	04	659	443		848	531	111	528	297	526	556	543	699	546	885	512
30																		

Results of Radiosonde Observations,
MAWSON – Dec., 1959

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																			
04																			
05																			
06																			
07																			
08																			
09																			
10																			
11	986	5027	15	509	074	5055		119	5098	05	165	5128	05	268	5142		384	170	
12																			
13																			
14																			
15	986	5020	23	510	073	5087	14	117	5125	12	163	5156	11	262	5235	06	374	283	03
16																			
17																			
18	987	5031	17	509	074	5071	12	118	5114	11	165	5150	10	265	5206	07	377	278	04
19																			
20																			
21																			
22	002	5004	21	03	086	5082	10	130	5125	10	176	5171	09	276	5208	05	389	265	02
23																			
24																			
25	995	010	29	503	081	5060	20	126	5086	17	173	5118	13	273	5196	09	389	177	06
26																			
27																			
28																			
29																			
30																			
31																			
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																		
03																		
04																		
05																		
06																		
07																		
08																		
09																		
10																		
11	519	246		678	363	01	870	521	129	506	317	483	585	471	733	471	923	466
12																		
13																		
14																		
15	503	359	02	655	464		843	541	103	530	291	478	561	421	713	410	908	420
16																		
17																		
18	506	358	03	659	445		845	592	101	534	288	472	560	421	711	406		
19																		
20																		
21																		
22	518	343		672	420		862	539										
23																		
24																		
25	523	255		681	374		873	518	130	561	315	493	584	467	733	436	927	430
26																		
27																		
28																		
29																		
30																		
31																		
31																		

Results of Radiosonde Observations,
WILKES – Feb., 1959
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	5043	19	515	067	5115	14	110	5147	12	156	5169	10	256	5175		370	221	
02																			
03																			
04	980	5004	22	515	069	5070	13	113	5112	10	159	5130	10	260	5196	08	373	267	03
05	988	5028	26	508	075	5077		119	5106		166	5117		267	5183		380	268	
06	999	5023	26	00	083	5036	13	128	5055		176	5078		278	5130		394	178	
07	002	5006	21	03	086	5027	17	132	5066	14	179	5039	32	285	5053	34	405	071	36
08	987	5014	33	510	075	5006	36	121	009	43	170	5026	36	275	5040	34	394	158	13
09	989	5012	31	508	076	5053	26	121	5077	23	167	5104	20	270	5133	18	386	208	06
10	989	5013	29	508	076	5019	19	121	5020	14	169	5033	10	274	5071	09	393	129	
11	976	5021	30	518	065	5068	20	110	5083	20	156	5110	17	259	5143	14	375	195	10
12	987	5024	30	509	074	5075	22	118	5101	19	164	5132	16	265	5165	09	380	214	04
13	982	5022	26	513	070	5079	17	114	5117	15	160	5117	10	262	5143	06	378	190	
14	978	5043	21	516	066	5107	14	110	5093	11	157	5119	08	258	5147	05	374	197	
15	986	5044	19	510	072	5105	13	116	5144	12	162	5139	10	263	5170	07	377	250	03
16	984	5033	24	512	071	5082	19	115	5114	15	162	5116	14	263	5167	10	377	239	06
17	976	5042	20	518	064	5103	14	108	5114	11	155	5124	07	255	5191	04	368	268	02
18	982	5062	16	513	069	5112	14	113	5123	11	159	5156	08	259	5157	06	374	227	03
19	985	5033	17	511	072	5075	11	116	5099	10	163	5122	12	264	5164	11	379	214	08
20	977	5017	31	517	066	5052	25	111	5067	24	158	5098	20	260	5174	11	373	269	05
21	965	5042	25	527	056	5060	23	100	5089	20	147	5119	17	248	5167	89	362	229	07
22	968	000	22	525	059	5049	13	104	5087	12	151	5106	12	251	5198	08	364	279	05
23	968	5010	29	525	059	5055	21	103	5087	19	150	5121	16	251	5197	09	363	290	05
24	975	5026	25	519	064	5088	16	108	5118	15	154	5149	13	254	5216	05	366	300	04
25	978	5051	22	516	066	5120	11	109	5149	10	155	5136	05	255	5200	03	368	259	02
26	986	5054	19	510	072	5124	11	116	5157	10	161	5167	09	260	5229	05	371	314	02
27	988	5064	19	509	073	5117	07	117	5150	06	162	5149	06	263	5185		376	253	05
28	987	5081	17	509	072	5118	07	116	5143	06	161	5161	05	262	5169		377	211	

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	273		660	385		854	468	126	434	320	424	594	410	745	411	941	411
02																		
03																		
04	501	373		651	466		844	426	119	406	315	410	591	409	743	407	939	404
05	508	353		660	444		850	477	123	429	317	427	590	430	741	433		
06	530	212	08	692	307	05	890	459	151	513	339	493	606	464	755	454	946	442
07	545	156	19	708	277	07	908	437	169	574	355	509	620	488	767	486	957	470
08	530	210		692	316		889	460	160	436	353	456	622	484	769	467	960	462
09	519	266	06	677	375	03	870	480	143	423	337	430	608	457	757	455		
10	530	218		690	340		886	455	148	498	337	478	605	479	752	470	943	465
11	508	294	04	663	411		857	405	134	396	330	404	604	445	753	443	946	443
12	512	297	02	668	391	01	861	433	140	392	335	428	607	448	757	450	948	450
13	512	255		672	311		871	435	144	400	339	432	611	444	761	433	954	441
14	507	292		663	392		854	527	127	396	323	410	599	419	750	426	944	427
15	507	316	02	662	422		850	533	122	417	318	401	593	411	744	420	939	424
16	508	329	03	661	446		851	494	126	386	324	390	601	398	754	398		
17	498	350	01	650	455		840	439	117	389	314	400	590	401	741	429	936	425
18	505	312		660	416		851	500	122	428	317	427	590	430	740	436	933	441
19	511	306	05	666	403		858	509	126	430	319	433	593	427	743	425		
20	502	363	02	654	452		845	452	118	418	313	420	588	412	739	425		
21	493	308	04	649	400	02	839	556	108	423	304	398	581	409	733	404	929	411
22	492	375	02	646	432		836	477	108	422	303	420	577	425	728	421	923	418
23	490	401		641	461		832	458	105	418	300	422	574	430	724	436		
24	493	380	02	643	502		832	464	105	412	300	418	575	424	725	428	919	432
25	499	321		653	420		842	532	111	430	306	422	579	427	729	428	923	441
26	500	360		651	457		841	460	115	423	310	426	583	445	732	446	925	447
27	505	346	01	659	444		847	499	118	429	312	446	583	450	732	454	923	459
28	509	307	03	664	367		859	471	127	454	318	454	587	455	737	445	929	457

Results of Radiosonde Observations,
WILKES – Mar., 1959

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	5061	23	507	075	5100	16	119	5110	17	166	5108	18	268	5150	14	383	221	08
02	994	5109	16	503	078	5093	10	122	5100		168	5125	05	270	5158	07	384	341	02
03	990	5123	13	507	074	5109		118	5137		164	5119		266	5151		381	216	
04	985	5089	17	510	071	5125	14	114	5105	16	161	5107	17	263	5138	15	379	180	11
05	993	5066	19	504	077	5121	13	121	5148	12	166	5144	13	267	5191	10	379	283	05
06	991	5066	22	506	076	5103	16	120	5116	17	166	5137	15	266	5208	09	378	298	04
07	989	5104	15	507	074	5102	09	118	5109	13	164	5143	12	264	5219	07	375	303	04
08	983	5045	24	512	071	5035	13	116	5073	14	163	5115	13	263	5185	10	377	253	06
09																			
10																			
11	979	5054	17	516	067	5070	14	112	5100	14	158	5136	13	260	5161		374	220	
12	967	5094	18	525	057	5118	11	100	5146	11	146	5170	10	246	5182		359	249	
13	973	5077	18	521	063	5042	16	108	5056	15	155	5086	15	257	5157	11	371	242	
14	984	5086	11	512	071	5033		116	5059		163	5084		266	5104		384	151	05
15	996	5060	17	502	081	5061		125	5071		173	5074		276	5087		395	131	09
16	987	5072	20	509	072	5114	14	116	5135	13	162	5149	12	263	5155	14	378	198	10
17	997	5143	08	501	079	5173	07	122	5159	05	167	5157		268	5180		381	241	
18	994	5092	14	504	078	5051		123	5040		171	5078		274	5103		392	136	
19	987	5084	15	509	073	5079	10	117	5072		164	5097		268	5105	17	385	172	15
20	972	5061	17	522	062	5069	09	106	5077		153	5067		256	5128		373	135	
21	966	5122	07	525	055	5158	04	098	5178	04	143	5176		244	5182		358	250	
22	962	5092	10	529	052	5120	08	096	5152	07	141	5188	07	240	5237	06	351	278	03
23	980	5072	12	515	067	5115	11	111	5156	10	156	5193	09	254	5260	05	366	284	04
24																			
25	993	5095	11	504	077	5087		122	5062		169	5090		272	5120		388	190	09
26	989	5075	17	508	075	5054	08	120	5047	11	167	5062	17	271	5129	17	387	161	11
27	993	5085	15	505	076	5109	15	120	5093	21	167	5102	21	269	5143	16	385	198	10
28	000	5092	16	01	082	5131	13	125	5126	13	172	5119	10	272	5199	06	385	280	02
29	996	5164	07	502	078	5096	06	122	5117	05	168	5120		270	5171		384	246	
30	981	5069	20	514	068	5106	17	112	5115	18	158	5139	15	258	5210	09	370	269	06
31	989	5093	17	507	074	5123	14	117	5140	15	163	5180	10	263	5199	08	375	274	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	515	267	05	672	393	01	863	517	128	476	318	472	584	488	732	473	922	473
02	516	305		671	421		860	538	126	461	317	468	585	469	733	457	924	478
03	514	251		672	373		864	533	126	457	317	467	586	472	733	461	924	467
04	513	270	06	670	399	02	861	550	125	457	317	449	587	474	734	477	924	480
05	507	392	02	658	466		845	499	117	425	311	446	582	449	731	460	921	476
06	505	376	02	656	480		841	520	111	430	305	428	577	456	726	447	918	469
07	503	377	02	654	467		841	519	113	430	306	437	578	450	727	455	919	461
08	507	328	03	662	394	02	852	549	116	482	307	460	577	458	726	456	917	462
09																		
10																		
11	506	307		661	386		855	458	126	450	318	462	586	480	734	475	924	489
12	489	340		642	443													
13	503	295		659	391		854	435	127	430	320	430	590	468	738	472	928	486
14	520	227	02	680	340	01	875	487	140	473	330	469	599	489	746	483	934	517
15	532	196	08	695	307		893	449	155	514	341	529	604	524	749	520	935	516
16	512	250	07	671	362	03	864	483	132	430	325	455	595	455	743	485	931	510
17	512	327		667	382		860	469	131	449	323	461	592	449	740	477	929	500
18	529	223		689	345		884	490	141	574	326	513	591	506	737	504	925	507
19	521	231	05	680	352	01	874	509	133	529	320	506	586	488	732	498	920	510
20	510	226		671	332		866	485	124	523	319	487	578	480	725	485	913	523
21	489	308		646	346		841	478	110	416	304	449	574	432	724	460	913	495
22	481	342		635	417		828	435	101	414	296	422	569	447	718	441	911	452
23	495	356	01	647	449		837	458										
24																		
25	522	275	06	679	398	02	868	563	126	503	314	500	579	504	724	501	912	510
26	520	288	06	676	396	02	866	527	127	505	314	492	579	500	725	504	912	514
27	519	322	05	675	386	01	868	505	129	514	316	517	579	509	725	508	912	511
28	514	346	02	666	440		857	509	113	468	312	492	578	488	724	510	912	510
29	514	378		668	449		853	558	121	446	313	466	579	503	725	501	913	506
30	500	354	03	651	467		836	565	103	455	295	468	562	488	708	501	795	520
31	505	348	02	658	438		846	517	113	468	303	486	569	490	715	520	901	520

Results of Radiosonde Observations,
WILKES – Apr 1959

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	965	5067	15	527	055	5106	10	099	5114	10	146	5144	09	245	5214	07	358	260	05
02	981	5001	38	513	070	5040	27	115	5077	23	162	5108	21	263	5175	12	377	260	05
03	000	5018	33	01	085	5048	23	130	5074	22	177	5098	19	278	5159	13	393	235	08
04	996	5044	19	502	081	5072	17	125	5112	16	171	5133	15	272	5190	10	385	256	06
05	994	5047	22	503	079	5063	10	124	5092	09	171	5124	09	272	5168	12	387	216	09
06	997	5150	07	501	079	5107	11	124	5068	09	171	5104		272	5168		387	220	
07	992	5054	16	505	077	5091	13	121	5113	12	168	5139	10	268	5214	07	381	248	
08	966	5044	27	526	056	5070	20	101	5100	18	147	5110	18	249	5156	14	364	209	09
09	991	5004	32	506	078	5040	23	123	5069	23	170	5098	21	272	5166	13	386	243	07
10	993	5017	32	505	079	5059	21	124	5088	19	171	5109	17	272	5162	12	387	231	07
11	994	5033	29	504	079	5070	22	124	5098	20	170	5127	18	271	5198	09	384	247	06
12	990	5071	20	507	074	5127	12	118	5131	13	164	5161	11	264	5200	06	378	196	
13	987	5135	11	509	073	5074	06	117	5104		164	5130		266	5116		383	175	
14	996	5145	10	502	079	5143	08	122	5133	04	168	5152		269	5178		383	220	
15	986	5144	08	509	070	5141	05	114	5143		160	5165		260	5158		375	212	
16	985	5197	06	510	069	5197	05	111	5203	03	156	5203	03	255	5224		368	254	
17	986	5189	05	510	069	5196	05	112	5212	04	157	5196	03	255	5231		367	273	
18	981	5174	05	513	067	5157	06	109	5187	06	154	5227	05	253	5214	03	365	264	
19	970	5039	18	523	060	5063	14	105	5089	14	151	5133	12	251	5209	09	364	271	05
20	975	5042	19	519	065	5042	15	109	5083	14	156	5126	12	256	5206	09	369	298	04
21	976	5089	12	518	064	5087	09	108	5111	09	155	5141	06	255	5180	05	368	242	
22	971	5074	13	522	061	5078	12	105	5102	11	151	5129	11	252	5180	10	368	204	
23	976	5061	20	518	065	5061	14	109	5088	12	156	5107	12	258	5164	10	372	238	07
24	983	5101	05	512	068	5153	04	111	5169	04	157	5143	07	258	5170	06	372	257	03
25	986	5108	10	510	071	5150	07	114	5186	07	159	5215	06	257	5214		370	262	
26	997	5074	19	501	080	5118	12	124	5148	11	169	5178	10	268	5213	08	380	293	04
27	986	5107	14	510	071	5128	11	115	5155	10	160	5187	09	258	5254	05	370	304	04
28	976	5133	10	517	063	5127	13	107	5149	11	152	5183	09	250	5260	05	360	343	02
29	973	5169	09	520	062	5143	10	106	5140	06	152	5180	06	250	5260	05	359	328	03
30	978	5133	11	516	065	5127	06	108	5147	05	154	5182	05	252	5271	04	362	298	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	489	313	04	644	420		833	528	100	456	292	462						
02	507	302	03	662	426		852	502	120	438	310	490						
03	523	338	03	676	439		864	551	125	499	313	512						
04	516	325	04	670	446		856	582	117	496	305	507						
05	518	317	04	672	443		859	581	115	515	302	500	567	519	710	538	893	562
06	519	323		672	447		859	569	117	489	306	490	570	527				
07	512	340		664	465		850	570	111	499	299	504	562	521	706	528	892	540
08	497	291	05	651	432		841	521	105	479	295	483	561	492	707	507	894	527
09	517	341	03	670	439		858	543	119	486	308	481	574	498	719	514	905	538
10	518	321	02	672	440		860	523	126	469	317	473	584	488	730	510	917	523
11	514	337	02	668	432		856	542	121	474	312	469	579	506	724	511	910	526
12	511	290		667	422		856	519	122	475	312	476	579	489	726	489	913	517
13	517	261	04	676	367		870	514	125	549	312	507	577	505	722	511	909	517
14	515	309	03	670	411		860	539	119	512	307	504	574	494	719	511	906	517
15	509	273	04	666	387	02	860	545	116	538	302	509	567	489	713	512	899	538
16	499	300		655	396		848	487	109	528	297	493	562	494	708	500	895	522
17	497	350		650	431		840	539	101	503	288	507	551	527	694	542		
18	495	351	02	647	443		835	574	092	514	280	521	541	526	685	541	869	545
19	493	371	02	644	480		829	578	088	517	274	530	534	537	677	547	861	551
20	497	356	02	649	460		835	566	091	542	276	545	536	551	678	551	862	551
21	499	314		655	408		845	557	096	567	280	549	539	537	682	550	866	535
22	500	283		656	411		845	569	096	579	280	531	541	531	685	526	871	533
23	502	330	03	657	414		846	568	100	549	285	523	548	513	693	512	880	511
24	503	304		658	408		847	568	102	559	287	531	547	539	691	539	876	530
25	500	326		654	407		843	570	099	528	285	529	546	536	689	548	872	561
26	507	388	02	658	462		845	566	104	531	289	538	549	559	690	576	872	567
27	497	386	01	649	458		836	535	101	498	289	500	551	547	693	562	875	582
28	487	379	02	639	471		826	524	092	489	280	525	542	527	685	553	867	583
29	486	382	02	637	470		824	507	093	468	282	488	546	528	690	528	873	570
30	490	361		643	421		833	531	094	504	282	512	544	565	685	576	867	587

Results of Radiosonde Observations,
WILKES – May, 1959

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	987	5083	12	509	073	5120	10	116	5157	09	161	5197	08	260	5198	09	373	241	04
02	987	5071	13	509	073	5119	10	116	5159	09	162	5178	10	261	5206	09	373	276	04
03	984	5139	10	511	071	5182	08	114	5168	09	160	5163	08	259	5234	06	372	269	
04	973	5060	17	520	062	5076	16	106	5098	16	153	5124	16	254	5190	10	367	268	06
05	965	5054	17	527	056	5067	15	100	5108	14	147	5149	13	247	5210	07	359	280	
06	977	5061	17	517	064	5123	10	108	5151	09	153	5190	07	252	5225	05	364	298	02
07	992	5085	17	505	076	5105	13	120	5142	11	165	5170	10	264	5235	06	376	290	03
08	984	5189	05	511	068	5151	05	112	5124	05	158	5128	05	259	5174	07	374	211	
09	970	5148	10	522	058	5146	11	101	5169	11	147	5195	08	246	5248	06	358	279	05
10	980	5178	08	514	065	5188	05	107	5198	05	152	5218	04	250	5223		362	280	
11	980	5217	04	513	064	5201	04	107	5166		152	5170		252	5211	05	365	248	06
12	967	5134	11	524	056	5168	09	098	5195	07	143	5224	06	241	5233	06	352	292	04
13	973	5233	04	519	059	5169	04	102	5165	04	148	5178		247	5220		359	280	
14	988	5146	09	508	073	5104		117	5101		163	5117		265	5169		379	236	
15	972	5051	24	521	061	5093	18	105	5099	18	152	5120	16	253	5183	11	366	270	06
16	975	5089	18	519	063	5133	13	106	5164	11	151	5180	10	250	5236	07	361	298	04
17	972	5139	11	521	060	5122	11	104	5145	10	149	5170	08	248	5226	04	360	303	03
18	990	5158	09	506	074	5155	10	117	5170	10	162	5210	08	260	5252	06	370	321	03
19	004	5183	07	04	084	5126	10	128	5138	10	174	5167	09	273	5221	05	385	300	
20																			
21																			
22	012	5042	20	11	093	5100	05	137	5115		183	5154	04	284	5145	13	400	207	09
23	998	5083	16	501	081	5132	13	124	5150	12	170	5137	13	271	5192	09	384	260	08
24	977	5096	09	517	065	5115	06	108	5120	09	154	5159	09	254	5190	05	368	258	
25	976	5083	13	517	064	5106	12	108	5100	11	154	5138	10	255	5202	07	367	292	04
26	998	5067	18	501	080	5159	10	123	5179	09	168	5211	07	266	5240	06	376	320	03
27	999	5053	16	00	084	5086	13	127	5099	18	174	5130	15	274	5191	10	389	162	15
28	005	5058	22	05	086	5120	15	130	5127	15	176	5145	13	276	5218	07	387	310	03
29	007	5072	16	07	088	5124	12	131	5137	10	177	5177	07	275	5265	05	386	313	02
30	001	5184	06	02	082	5111		125	5135		171	5165		270	5230		381	305	
31	999	5189	07	00	080	5150	09	124	5144	12	169	5166	10	263	5234	06	374	319	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	505	316	02	659	422		848	552	104	547	289	528	549	559	690	578	870	604
02	502	370	01	654	439		842	570	096	547	280	542	539	567	680	582	860	603
03	501	353		653	457		840	570	098	531	283	536	543	564	684	586		
04	497	336	03	650	452		837	561	094	533	278	550	535	587	674	608	852	633
05	488	352	01	640	463		825	602	084	509	269	556	525	581	664	615	841	655
06	491	378	01	642	480		826	567	087	519	272	546	529	584	669	604	847	630
07	504	373	01	654	488		841	555	100	503	282	568	537	602	676	620	852	647
08	506	298	02	661	407		852	530	108	587	288	589	541	620	680	625	855	664
09	487	377	02	637	496													
10	491	360		642	487		826	613	081	557	264	569	519	596	658	613	836	637
11	496	313	04	651	399	02	841	541	094	596	275	577	529	617	666	633	842	654
12	480	380	02	631	472		819	527	083	494	271	516	531	566	672	590	851	623
13	488	351		642	406		834	501	099	524	288	470	551	540	694	558	877	574
14	510	319		664	422		853	571	106	587	289	547	548	554	690	562	872	572
15	495	373	02	665	501	02	830	551	090	527	275	551	533	553	675	560	858	560
16	489	370	02	640	462		826	600	084	526	269	544	528	550	670	563	852	580
17	487	397	02	636	509		820	596	073	559	259	562	516	574	657	584	838	578
18	497	416		645	525		826	605	082	557	265	568	521	584	661	594	840	606
19	513	369		664	465		847	566	103	559	286	557	541	594	681	593	860	604
20																		
21																		
22	533	274	05	689	400	02	878	561	127	680	303	597	557	605	696	616	873	630
23	514	353	03	665	465		852	565	106	578	287	567	544	587	684	597	862	636
24	498	337	02	651	457		837	588	090	590	271	587	524	616	662	612	840	628
25	494	403		642	522		828	555	086	570	268	562	523	589	663	598	842	611
26	502	421		650	507		835	547	094	554	277	573	532	605	661	629	836	658
27	524	243	09	683	364	03	875	529	126	642	303	600	554	637	690	665	863	691
28	514	374	02	665	444		854	544	111	566	294	570	548	600	687	625	863	643
29	513	411		662	495		848	535	107	563	290	564	547	596	686	611	863	630
30	508	396		658	477		843	587	097	564	279	571	535	575	676	588	855	605
31	501	410		649	531		830	582	086	569	268	572	523	594	663	608	841	623

Results of Radiosonde Observations,
WILKES – Jun 1959

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	5085	17	504	077	5138	12	121	5143	13	167	5166	11	256	5243	06	376	321	03
02																			
03																			
04	001	5067	18	02	084	5070	09	129	5105	06	175	5139	05	275	5217		387	250	05
05	993	5164	08	504	076	5143	07	119	5153		165	5156		265	5211		377	279	
06	993	5193	07	504	075	5193	05	117	5196	04	162	5213	05	260	5233		372	285	
07	981	5102	12	514	065	5173	07	108	5202	07	153	5210	07	251	5227	07	362	298	04
08	981	5103	13	514	067	5134	10	111	5177	08	156	5209	07	254	5244	03	364	326	02
09																			
10	983	5086	15	512	069	5126	10	113	5162	09	158	5181	06	257	5245		368	283	04
11	994	5152	10	503	077	5096	10	121	5102	07	168	5138	06	268	5197	04	381	264	
12	983	5079	17	512	069	5133	12	112	5133	14	158	5168	11	259	5187	10	372	260	06
13	997	5183	07	501	077	5210	07	120	5190	05	165	5200		263	5243	03	374	291	02
14	994	5251	04	503	073	5280	03	114	5264	04	158	5265	03	254	5288		363	317	
15	996	8268	53	564	076	5198		118	5203		163	5230		259	5299		367	356	
16	996	5239	04	502	077	5211	03	119	5220	03	163	5241		260			370	333	
17	993	5247		504	073	5235	02	115	5248	02	159	5254	02	256	5260		366	340	
18	990	5261	02	506	071	5235	03	113	5246	03	157	5247	03	254	5286		362	360	
19	991	5268	02	505	072	5211	03	114	5192		159	5203		257	5270		366	347	
20	983	5199	06	511	067	5177	04	110	5188	04	155	5206	05	253	5272	04	363	306	04
21	994	5173	08	503	076	5157	10	119	5159	11	165	5167	11	264	5226	07	375	312	03
22	976	5161																	
23	972	5158	11	520	059	5199	08	101	5226	06	146	5208	07	244	5232	04	355	300	
24																			
25																			
26	979	5055	24	516	066	5104	15	110	5130	12	156	5158	10	256	5204	07	369	238	06
27	996	5106	14	502	078	5153	11	121	5149	09	167	5173	07	265	5245	04	376	322	01
28	983	5246	04	511	067	5163	04	111	5137		156	5152		256	5211		370	237	
29	981	5169	07	513	067	5119	08	110	5137	10	156	5146	10	257	5177	10	372	219	09
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	502	423		649	547		829	605	083	584	263	597	516	621	653	646	829	641
02																		
03																		
04	518	332	02	672	429		859	600	102	725	274	672	519	682	651	726	819	737
05	506	363		657	484		841	615	088	647	263	653	508	692	641	712		
06	500	370		651	477		836	587	086	644	262	652	507	698	639	711	808	730
07	489	400	01	639	482		823	597	074	608	253	626	502	662	636	675	809	692
08	490	423		638	513		823	553	081	567	264	578	518	615	656	637	830	685
09																		
10	497	383	02	646	516		829	590	084	565	266	592	516	654	651	680	822	710
11	510	370		662	428		852	546	104	648	278	680	519	721	649	760	815	758
12	502	323	03	656	449		843	538	102	573	284	574	536	649				
13	502	377	01	653	461		840	568	097	559	279	580	532	617	668	650	843	684
14	491	381		641	449		831	525	090	568	269	652	517	679	651	700	821	719
15	493	419		642	488		828	560	082	592	262	625	507	689	638	723	806	768
16	496	433		643	528		824	614	075	611	252	646	498	700	629	730	797	750
17	491	438		638	526		820	626	071	616	249	636	496	677	629	715	796	767
18	486	456		633	530		815	600	066	628	243	649	487	694	618	756		
19	492	424		641	487		826	574	076	653	252	650	496	713	627	730	795	752
20	491	387	02	641	482		824	603	073	634	250	640	495	695	627	712	796	743
21	502	413		651	505		833	649	076	698	248	692	487	751	616	764	781	780
22																		
23	483	387		633	486		818	567	072	602	251	617						
24																		
25																		
26	500	328	03	658	453		843	610	089	681	263	682	503	718	634	738	801	764
27	503	375		655	449		841	577	094	614	272	628	518	698	650	706	820	741
28	501	313		655	428		844	569	093	649	270	627	517	674	650	700	820	731
29	503	308	05	658	419		846	576	092	676	267	648						
30																		

Results of Radiosonde Observations,
WILKES — Jul., 1959

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	975	5102	16	519	063	5121	16	106	5143	14	152	5165	12	251	5217	09	363	293	05
03	983	5113	13	512	068	5170	09	110	5187	09	156	5166	11	255	5226	07	366	303	04
04	975	5163	09	518	062	5160	10	105	5173	10	149	5180	09	247	5242	06	360	310	03
05	990	5167	07	506	072	5219	05	114	5204	03	159	5189		258	5237		369	319	
06																			
07	007	5101	15	07	087	5145	12	131	5132	14	177	5161	11	276	5234	04	388	283	02
08	001	5079	17	02	084	5093	14	128	5121	14	174	5112	17	276	5148	15	391	215	04
09	990	5073	15	506	075	5130	11	118	5160	11	164	5170	11	263	5239	07	374	295	04
10	992	5123	12	505	075	5151	10	118	5150	09	164	5167	07	263	5203	04	377	225	03
11	979	5122	09	515	066	5133	06	110	5135	06	156	5165	06	255	5165		371	193	
12																			
13	988	5140	07	508	072	5160	04	115	5174		160	5195		259	5234		372	244	
14	988	5207	06	508	069	5242	05	111	5277	04	154	5300	03	250	5273	02	360	347	
15	982	5255	04	512	064	5280	02	105	5312	02	148	5323	02	242	5328		349	390	
16	977	5211	06	516	062	5201	06	104	5232	05	148	5263	04	243	5350	02	350	393	01
17	975	5179	07	518	062	5174	06	104	5204	05	149	5233	05	245	5275	04	355	333	02
18	983	5121	09	512	068	5160	07	111	5198	06	156	5232	06	253	5285	04	362	332	03
19	988	5142	10	508	072	5182	07	114	5208	06	159	5236	05	255	5282	04	364	340	01
20	991	5177	07	506	074	5179	06	116	5207	06	161	5240	05	258	5295	03	367	349	01
21	988	5146	07	508	072	5187	06	114	5223	05	158	5246	05	255	5280	03	364	357	01
22	984	5150	09	511	069	5149	06	112	5184	06	157	5221	06	254	5276	03	363	366	01
23	986	5221	05	509	071	5118	05	114	5147	04	160	5182	03	258	5261	02	367	361	01
24	980	5194	06	514	066	5150		109	5167		154	5179		253	5249		363	323	
25	979	5196	07	515	063	5216	06	105	5205	07	150	5211	07	247	5279	04	356	360	01
26	986	5179	07	509	070	5161	08	113	5182		158	5214		255	5297		362	390	01
27	994	5231	05	503	074	5253	04	115	5248	05	159	5256	04	255	5305	02	363	377	01
28	987	5261	02	509	070	5158		113	5180		158	5209		256	5274		365	344	
29	983	5094	01	512	069	5120	08	113	5159	08	158	5185	08	256	5244	06	369	247	07
30	999	5085	16	00	082	5118	12	126	5157	10	171	5186	09	270	5193	10	384	260	05
31	000	5192	07	01	082	5075	12	126	5081	11	173	5109	11	275	5152		390	215	

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	393	02	640	509		821	625	068	670	242	688	481	735	611	757	776	787
03	493	402		642	519		824	612	071	677	244	684	485	727	615	751	780	781
04	487	408		635	513		817	628	061	685	232	704	472	732	601	755	766	785
05	495	410		644	508		828	585	074	710	243	730	478	767	605	800	766	830
06																		
07	517	347	01	670	445		855	611	100	686	272	682	513	734	642	770	807	798
08	523	306	02	678	423		866	585	109	760	275	736	511	778	639	778	802	821
09	502	393	01	652	481		836	584	087	641	262	660	505	728	635	770	798	816
10	509	299	03	664	399	01	854	565	100	749	266	756	501	775	628	809	788	824
11	504	273	04	661	395	02	851	548	098	742	262	709	493	783	619	802	781	824
12																		
13	502	337		660	441		847	584	091	751	255	789	488	762	616	772	780	785
14	485	412		634	510		817	598	064	683	235	719	472	747	599	780	763	783
15	472	478		616	541		798	609	047	656	220	686	459	747	587	777	751	777
16	473	486		616	562		798	602	049	618	225	646	469	699	600	740	767	760
17	480	428		626	530		807	623	054	671	228	675	469	726	599	748	766	760
18	488	419		635	524		815	651	060	672	233	699	471	740	601	760	766	784
19	490	437		636	552		815	644	059	700	230	720	465	778	592	797	754	819
20	491	443		638	546		818	621	065	665	238	690	477	741	607	769	770	801
21	490	443		637	545		817	636	063	702	233	713	469	768	597	788	760	809
22	487	431		634	517		817	629	062	699	233	710	471	746	600	770	764	791
23	492	420		639	529		821	606	067	723	237	707	473	767	602	760	767	790
24	489	417		637	528		817	634	062	694	232	713	470	747				
25	481	434		628	548		809	610	056	655	230	678	471	727	601	766	766	779
26	484	473		629	542		811	599	063	628	240	661	483	709	614	730	781	758
27	486	445		633	516		817	584	069	652	244	665	487	709	618	725	787	728
28	491	413		641	474		827	565	079	658	252	708	492	736	621	755	787	764
29	499	335	03	652	463		837	611	082	687	253	711	491	751	620	764	785	778
30	512	357	01	665	467		850	596	094	720	264	711	502	720	632	757	797	780
31	522	311		676	440		862	597	106	733	275	701	515	747	644	768	809	782

Results of Radiosonde Observations,
WILKES – Aug., 1959

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	5200	05	02	082	5073		127	5096		173	5120		274	5151		389	229	
02	995	5134	08	503	078	5142	07	121	5177	06	166	5213	05	265	5229		376	298	
03	995	5087	15	503	079	5109	11	123	5154	08	168	5194	07	266	5208	08	380	242	03
04	003	5066	12	03	085	5096	08	129	5136	08	175	5179	07	274	5218	05	387	264	05
05	002	5188	06	03	083	5125	05	127	5132		173	5127		274	5191	04	387	263	02
06	000	5156	10	01	083	5098		127	5085		174	5112		275	5179		389	244	
07	991	5213	04	505	072	5265	02	114	5168		159	5194		257	5264		367	335	
08	975	5195	06	518	061	5200	05	103	5219	05	147	5252	04	243	5285	04	353	307	03
09	975	5095	15	518	063	5139	09	106	5163	08	151	5183	08	250	5239	06	361	318	03
10																			
11	001	5140	10	02	083	5152	07	125	5184	07	171	5207	06	270	5211		382	275	02
12	994	5175	06	504	076	5174	04	119	5200	05	163	5219	05	262	5221		374	293	
13	996	5245	03	502	076	5240	03	118	5256	03	161	5290	03	258	5236		370	300	
14																			
15	976	5167	09	517	063	5136	11	106	5163	10	152	5174	10	252	5196	07	365	269	03
16	987	5124	13	509	071	5183	08	113	5171	09	159	5174	08	258	5218	05	370	292	03
17	998	5191	06	501	078	5221	06	119	5229	06	164	5220	06	262	5243		373	312	
18	991	5194	06	506	073	5163	05	117	5134		163	5146		263	5216	05	376	257	06
19	974	5119	14	519	062	5150	11	105	5176	09	150	5195	08	248	5246	06	359	309	04
20	986	5226	04	510	070	5172	07	113	5200	05	157	5224	05	255	5241	05	367	297	02
21	980	5198	06	514	065	5200	07	107	5198	07	152	5196	08	251	5231	05	364	264	04
22	964	5113	11	527	054	5159	09	097	5160	10	142	5196	08	240	5229	08	352	296	04
23	970	5154	07	522	058	5172	04	100	5205	04	145	5236	04	244	5233	06	355	305	03
24	970	5154	09	522	059	5115	09	102	5129	09	148	5141	09	248	5219	05	360	292	
25	974	5208	04	519	059	5211	06	101	5181	07	147	5193	06	246	5222		358	295	
26	975	5183	07	518	061	5182	07	103	5217	06	148	5213	07	245	5240	04	357	300	02
27	983	5225	07	512	068	5276	03	109	5268	04	152	5300	03	249	5296	03	357	331	
28	987	5267	03	508	068	5276	03	109	5307	03	152	5276	03	248	5295	01	356	350	
29	985	5331	02	510	064	5341	01	104	5347	02	147	5315	02	241	5323		349	376	
30	979	5341	01	514	061	5338	01	101	5328	02	144	5293		239	5295		348	337	
31	953	5264	03	534	042	5305	02	082	5330	02	125	5269	03	222	5285		330	353	

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	520	335		673	440		860	585	105	709	277	685	519	710	650	734	817	765
02	504	337		658	456		845	539	098	639	274	657	519	694	651	733	817	778
03	510	339	01	663	450		849	595	093	709	265	685						
04	518	329		671	464		855	614	095	786	262	743	496	769	623	793	786	806
05	516	360	01	668	468		852	622	092	764	258	764	490	774	617	785	780	807
06	520	325		674	421		862	572	106	780	268	821	497	781	623	817	786	781
07	493	413		642	490		827	579	076	670	245	760	482	753	610	781	774	771
08	480	413		628	498		812	579	063	650	237	690	474	763	601	773	766	790
09	487	407	01	636	510		819	558	066	666	239	699	477	756	605	781	768	816
10																		
11	510	380	01	661	490		844	613	087	744	253	764	485	807	610	823	770	844
12	502	379		652	491		836	601	078	769	243	776	474	792	600	809	761	829
13	497	369		649	471		833	621	075	723	245	720	483	750	612	770	776	796
14																		
15	494	379		644	481													
16	498	390	01	648	503		830	617	075	737	243	742						
17	501	359		653	466		837	603	083	700	254	699	499	731	624	742	791	737
18	507	316	04	663	398	02	852	563	098	754	263	772	499	747	627	767	792	786
19	486	398	02	636	499		819	599	066	684	239	718	475	756	604	778	768	780
20	494	378	01	655	470		831	582	077	701	246	727	481	779	608	792	770	810
21	494	317	02	649	424		838	563	085	760	249	783	480	791	606	802	768	818
22	482	341	03	635	454		820	609	062	735	229	770	460	788	587	801	748	820
23	482	402		631	504		814	620	057	758	223	770	455	804	580	816	741	831
24	487	390		637	499		819	640	060	740	227	757	460	798	585	810	746	824
25	486	361		638	457		824	597	067	777	230	803	469	805	584	810	745	823
26	484	390		634	485		818	621	058	787	222	783	453	793	579	804	741	813
27	483	418		631	530		811	651	053	718	222	734	478	760	586	767	751	774
28	481	435		627	547		807	635	052	695	222	713	460	735	591	735	758	741
29	473	448		619	535		800	628	046	680	217	709	456	729	587	740	754	757
30	474	412		624	474		808	609	053	701	223	706	461	747	589	780	752	797
31	455	405		605	497		788	622	033	686	204	723						

Results of Radiosonde Observations,
WILKES – Sep., 1959

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	968	5283	02	522	053	5292	02	094	5320	01	137	5282		233	5302		341	352	
02	977	5264	03	516	061	5275	03	102	5302	02	145	5321	02	235	5377	01	343	415	
03	976	5238	04	516	061	5215	03	103	5230	03	147	5266	04	243	5281	02	353	332	
04	972	5189	07	520	059	5168	09	102	5195	08	147	5223	06	244	5280	04	353	355	02
05	976	5182	07	517	062	5178	08	104	5174	07	149	5174	06	246	5294	04	354	353	01
06	969	5202	06	522	055	5252	04	096	5290	03	140	5256	05	236	5298	03	345	368	01
07	960	5324	01	528	047	5298	02	089	5316	02	131	5301	02	226	5320		334	388	
08	963	5314	02	526	049	5320	01	090	5354	01	132	5350	01	226	5334	01	333	398	
09	966	5308	02	523	052	5315	02	092	5344	02	134	5373	01	227	5350	02	334	407	
10	976	5313	02	516	058	5304	02	100	5221	03	144	5245		240	5291		350	340	
11	980	5235	04	514	074	5186		107	5176		152	5180		251	5225		364	248	04
12	967	5207	06	524	054	5208	06	096	5232	05	141	5253	05	237	5260	05	347	302	04
13	967	5235	04	523	054	5243	05	096	5160		142	5187		240	5248		350	312	
14	966	5245	04	524	052	5264	03	094	5268	03	137	5262	02	234	5290		343	337	
15	976	5220	05	516	061	5269	04	102	5251	04	146	5224		243	5274		353	322	
16	980	5264	04	514	063	5287	03	104	5227	03	149	5221		247	5256		357	330	
17	996	5282	02	502	075	5252	02	116	5266	02	161	5236	02	258	5275		369	253	
18	977	5229	05	516	061	5235	05	103	5262	04	147	5266	04	243	5284	02	352	331	02
19	971	5202	06	521	057	5250	04	098	5289	03	142	5233	05	234	5268		344	341	
20	971	5242	03	520	057	5228	02	099	5175	06	144	5186	05	243	5240	05	354	305	04
21	964	5179	08	526	053	5187	07	095	5208	06	140	5233	05	237	5270	05	349	296	04
22	973	5223	05	519	060	5192	06	102	5220	05	146	5244	05	243	5247		354	324	
23	981	5198	05	513	065	5221	05	107	5250	04	151	5279	04	247	5299	02	356	342	
24	974	5158	06	519	060	5196	04	103	5211	03	147	5240	03	244	5281	02	353	339	02
25	973	5168	08	520	060	5201	07	102	5187	05	147	5203	04	245	5281	03	354	341	
26	979	5208	05	515	064	5220	04	106	5225	03	150	5230	03	247	5281	02	356	350	
27	002	5139	08	03	084	5105	08	128	5137	07	174	5145	06	274	5198	04	386	293	02
28	001	5143	10	02	081	5207	07	123	5157	09	169	5157	06	269	5216		381	283	
29																			
30	990	5084	17	507	074	5135	12	118	5166	10	163	5197	08	261	5239	06	372	319	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	466	437		612	553		791	659	033	720	201	746	434	789	561	803	722	822
02	466	469		612	531		793	633	037	706	206	737	440	790	567	795	729	823
03	479	409		628	515		809	634	049	756	215	781	444	803	570	811	731	821
04	478	419		626	526		806	651	046	761	212	774	443	805	569	808	731	810
05	479	433		625	547		805	666	044	736	211	756	444	783	571	791	734	800
06	469	445		616	528		799	610	046	684	218	711	454	772	582	772	747	781
07	457	459		603	526		787	581	036	647	208	718	445	741	574	754	740	773
08	456	450		604	507		787	587	035	677	207	710	447	728	577	741	744	759
09	456	472		601	542		782	612	030	668	203	701	443	712	574	737	741	738
10	476	395		626	488		810	599	058	679	231	698	470	750				
11	496	285	04	653	360	03	847	512	098	704	268	712	505	732	635	729	803	753
12	475	370	02	635	483		820	580	073	617	251	618	500	638	637	635	813	658
13	479	357		632	454		817	599	070	599	248	622	498	632	636	620	814	620
14	469	401		620	469		805	585	055	637	232	628	481	647	617	641	793	634
15	480	414		628	513		809	640	053	700	226	664	458	704	591	674	765	680
16	484	382		638	400		828	541	078	664	252	672	496	684	629	720	799	705
17	499	348		653	420		842	554	094	641	271	642	519	649	655	662	828	669
18	478	397	01	627	513		808	638	054	670	228	678	472	658	608	657	783	652
19	469	432		616	518		797	660	039	710	208	728	446	736	576	733	745	729
20	481	401		631	510		813	634	056	716	225	727	462	743	592	751	758	759
21	476	392	02	635	520		816	647	059	710	229	711	469	713	601	709	771	720
22	480	435		626	554		804	670	046	714	215	738	451	743	581	749	748	754
23	481	410		630	503		813	627	055	737	222	748	457	761	586	761	751	778
24	479	415		627	520		808	646	048	759	214	777	447	758	576	761	741	758
25	479	420		627	538		807	653	049	719	217	755	451	760	579	773	744	767
26	481	430		629	529		810	629	054	704	224	730	460	751	590	764	756	759
27	514	410		661	520		842	629	086	700	255	739	490	758	618	767	784	777
28	511	320		665	417		855	560	102	723	270	750	504	775	632	788	795	805
29																		
30	497	413		646	515		829	578	081	640	255	682	498	697	630	700	802	686

Results of Radiosonde Observations,
WILKES – Oct., 1959

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	001	5111	11	02	082	5146	09	126	5176	08	171	5182	09	269	5250	06	380	321	03
03																			
04	982	5066	15	513	070	5077	15	114	5113	13	160	5153	10	259	5228	06	371	296	03
05	001	5072	18	02	083	5129	13	127	5154	11	172	5174	10	271	5212	07	385	234	
06	982	5119	12	513	068	5118	10	112	5130	07	158	5140	07	259	5136		375	200	05
07	959	5073	18	532	051	5086	17	095	5112	15	141	5116	16	242	5178	11	358	193	11
08	970	5061	19	522	060	5078	14	104	5115	13	150	5155	11	250	5193	10	363	240	07
09	974	5076	16	519	062	5117	10	106	5126	09	152	5139	09	254	5167	05	367	260	05
10	978	5092	17	516	065	5152	10	108	5164	10	153	5167	10	254	5186	07	367	241	03
11	970	5113	14	522	058	5150	09	101	5185	08	146	5187	08	246	5208	08	358	275	03
12	974	5100	14	519	062	5145	10	105	5171	10	150	5161	10	250	5211	04	363	271	04
13	962	5022	32	530	054	5057	24	098	5087	19	145	5119	15	246	5199	08	358	294	04
14	969	5033	19	524	060	5051	14	104	5091	14	151	5134	12	251	5214	08	363	299	04
15	964	5069	14	528	054	5119	12	098	5157	10	144	5151	09	244	5215	04	355	301	02
16	996	5098	11	502	079	5134	09	123	5167	07	168	5203	06	255	5277	04	375	347	02
17	999	5113	11	00	082	5118		125	5150		171	5189	03	269	5236	02	380	297	
18	987	5112	14	509	073	5093	15	116	5123	14	163	5129	15	264	5145	15	379	201	10
19	982	5127	13	514	068	5107	16	112	5122	14	158	5138	12	259	5165	11	374	244	05
20	989	5075	19	508	074	5107	13	118	5132	13	164	5137	14	265	5191	10	378	247	05
21	976	5078	19	518	064	5110	14	108	5138	12	153	5162	11	253	5201	09	366	270	05
22																			
23	979	5098	14	515	066	5147	12	109	5174	09	154	5186	09	253	5232	06	364	291	04
24	983	5138	10	513	068	5181	07	110	5216	06	154	5248	05	251	5245	04	363	290	02
25	984	5134	09	511	068	5191	05	111	5229	05	155	5269	04	251	5252	04	363	290	
26	971	5139	09	522	059	5164	08	101	5188	07	146	5209	06	244	5232	04	355	276	
27	969	5067	16	524	059	5055	12	104	5097	09	150	5140	07	250	5224	05	361	287	03
28	973	5071	17	520	062	5080	09	106	5113	07	153	5149	05	253	5193	03	365	279	02
29	984	5080	14	511	070	5151	10	113	5136	07	159	5162	05	258	5234	04	369	282	03
30	993	5117	10	504	076	5163	04	119	5163		165	5158		265	5198		378	254	
31	988	5101	10	508	073	5118	05	117	5129		163	5155		263	5165		377	234	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	506	388	02	657	464		843	574	092	676	264	696	506	697	639	697	810	697
03																		
04	498	378	01	649	447		839	523	095	598	275	604	525	656	660	659	834	662
05	516	309		671	419		860	561	107	730	277	695	520	676	655	661	830	639
06	508	287		663	424		852	566	098	753	266	718	507	691	640	684	812	675
07	491	269	06	648	400	02	837	570	083	713	252	717	492	692	625	695	797	674
08	494	299	05	650	410		839	561	086	692	257	709	497	687	630	687	803	678
09	499	304	02	653	427		841	566	091	679	262	704	504	686	637	688	810	662
10	499	298		654	433		841	578	087	690	259	700	501	680	635	667	810	639
11	487	372		637	495	02	820	609	067	673	241	659	486	671	622	649	798	618
12	492	360	02	643	482		826	636	071	701	243	702	484	694	618	671	793	636
13	485	403		633	546		814	632	061	662	235	691	478	683	612	670	786	654
14	490	402		638	516		820	615	066	672	238	700	480	692	614	672	788	649
15	482	390		631	520		813	610	061	663	235	671	480	665	615	650	791	630
16	500	438		646	534		828	601	077	656	251	669	498	628	635	641	811	641
17	509	360		661	457		848	571	097	685	268	696	510	694	644	666	818	674
18	513	271	05	669	406		858	550	107	712	277	725	516	720	647	725	816	706
19	504	339	03	657	463		843	577	095	634	272	643	515	704	648	693	819	700
20	509	320		665	390		856	535	105	672	279	679	522	675	656	683	828	693
21	495	366	02	645	465		832	574	081	677	254	685	498	676	631	684	804	668
22																		
23	492	366	02	644	462		830	581	075	716	245	707	487	675	621	678	793	677
24	492	344		645	436		833	565	081	699	252	713	491	718	622	717	793	702
25	492	355		646	417		834	558	082	716	250	730	489	703	622	691	794	677
26	486	316		640	423		828	568	075	697	246	694	489	661	625	660	799	646
27	489	379	01	641	443		829	567	076	702	248	683	492	658	628	646	805	630
28	494	370	01	645	466		830	607	074	706	246	697	489	662	624	643	801	620
29	498	352		650	464		835	602	079	720	250	707	492	668	629	651	804	629
30	508	340		660	467		845	617	089	722	258	727	498	687	633	658	809	638
31	509	322	03	662	427		850	598	093	739	262	696	506	656	642	642	819	625

Results of Radiosonde Observations,
WILKES – Nov, 1959

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	961	5050	20	530	052	5100	13	096	5127	10	142	5155	09	242	5199	09	355	232	08
05	977	5012	22	516	066	5047	11	111	5083	10	158	5121	08	258	5194	04	371	287	03
06	980	5031	26	514	069	5092	17	112	5128	14	159	5149	12	259	5201	07	372	253	04
07	980	5049	20	515	067	5118	14	111	5150	12	156	5155	10	257	5210	05	370	235	
08	981	5066	14	514	068	5131	08	111	5163	07	156	5168	05	256	5205	04	369	267	03
09	978	5066	13	517	065	5134	09	108	5174	08	154	5208	08	252	5220	04	365	272	02
10	970	5079	19	523	059	5127	13	102	5154	10	148	5194	09	246	5254	05	357	292	04
11	961	5064	22	530	052	5088	17	096	5118	13	143	5150	10	242	5228	05	353	327	02
12	965	5071	14	527	056	5102	07	099	5139	06	145	5164	06	244	5229	03	355	317	
13	958	5062	16	533	050	5084	11	094	5126	11	140	5166	10	239	5236	06	350	310	03
14	972	5049	20	521	061	5104	13	105	5141	10	150	5181	08	248	5247	05	359	328	01
15	973	5058	16	521	061	5117	12	105	5154	11	150	5194	08	249	5241	04	359	324	02
16	958	5058	14	532	050	5117	08	094	5123	05	140	5148	05	239	5222	05	351	308	03
17	958	5024	21	533	050	5082	15	094	5116	13	141	5141	11	241	5196	07	354	270	04
18	974	5029	23	520	063	5093	15	107	5130	12	153	5168	09	252	5232	06	363	294	04
19	970	5044	22	523	059	5094	16	103	5130	09	149	5166	08	249	5230		360	320	
20	971	5044	23	522	060	5095	17	104	5134	14	150	5170	11	248	5240	05	359	309	02
21	978	5045	20	516	066	5102	14	110	5130	11	156	5170	09	254	5245	06	366	297	04
22	976	5043	15	518	064	5102		108	5143		153	5188		252	5232		364	301	
23	981	5086	12	514	067	5136	07	111	5139		157	5155		257	5192		370	266	
24	962	5050	20	529	053	5094	16	097	5132	14	143	5154	12	243	5202	07	356	269	04
25	978	5043	18	517	066	5121	12	109	5151	08	155	5161		254	5213		366	281	
26	976	5012	29	518	065	5070	21	109	5099	18	156	5130	15	256	5188	10	370	250	07
27	985	5038	24	510	072	5101	15	116	5119	14	162	5117	16	264	5148	15	380	179	13
28	980	5011	33	515	068	5061	25	113	5092	21	159	5125	17	260	5197	10	372	285	04
29	990	5034	22	507	075	5093	15	120	5099	09	166	5123	06	268	5169		382	232	
30	971	5038	24	522	062	5018	18	107	5059	17	154	5099	17	256	5169	11	370	242	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																		
03																		
04	487	283	06	645	367	03	837	527	089	643	265	628	515	612	655	581	836	583
05	499	390	01	649	445		838	539	091	637	268	629	520	589	660	573	843	554
06	503	306	02	658	414		847	555	099	637	275	643	525	607				
07	501	305		656	419		846	529	101	621	279	637	529	600	669	576	852	544
08	498	351	02	650	456		837	578	093	568	275	597	529	592	670	569	852	553
09	495	340		647	464		832	611	080	635	258	610	512	565	654	535	840	521
10	485	383	02	634	506		818	601	069	621	247	609	502	569	643	539	829	520
11	479	433		626	513		810	570	065	585	246	577	506	524	650	512	839	470
12	482	409		632	502		817	545	075	560	260	530	524	505	670	463	862	445
13	477	382	02	627	472		815	539	075	558	259	541	521	485				
14	485	404		634	500		819	557	076	568	258	578	517	525	662	492	852	446
15	485	415		633	504		818	579	073	589	253	588	509	545	653	530	839	510
16	477	408		626	506		810	581	064	600	244	586	501	552	644	529	831	499
17	483	369	02	634	474		819	582	071	616	249	606	505	553	649	510	837	485
18	490	382	02	641	475		825	609	075	625	253	603	508	567	651	535	836	518
19	487	380		638	477		822	596	074	611	253	596	509	545	652	529	840	494
20	487	380		638	465		825	554	082	559	266	570	523	547	666	536	851	520
21	494	370	02	645	463		833	528	093	537	278	525	542	515	686	521	873	499
22	491	398		641	497		825	583	081	570	263	546	526	490	673	468	865	439
23	500	353		652	439		841	522	099	598	279	582	538	540	684	493	873	477
24	485	348	02	638	441		826	569	081	571	264	548	526	511	672	490	862	464
25	495	348		648	449													
26	500	346	03	652	455		840	529	100	526	288	480	560	408	713	406	909	408
27	516	217	11	678	315	05	874	481	130	673								
28	501	360	02	653	460		841	523	102	519	289	514	556	463	704	463	895	444
29	514	288	04	670	400	02	860	551	113	619	294	570	557	454	706	437	899	440
30	500	342	03	653	442		840	564	094	578	277	528	543	447	694	409	890	390

Results of Radiosonde Observations,
WILKES – Dec., 1959

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	5012	28	518	065	5067	21	109	5103	17	156	5139	12	256	5200	09	369	254	06
02	988	5018	28	508	074	5078	19	119	5116	15	165	5153	12	264	5220	05	377	274	04
03	987	5012	26	508	073	5077	09	118	5100	05	164	5135	05	265	5211	04	377	279	02
04	987	5030	16	509	074	5075		118	5089		165	5119		266	5174		380	214	
05	991	5028	19	506	077	5086	09	121	5087	06	168	5088		271	5125		388	182	06
06	986	5049	24	510	073	5037	24	118	5066	20	165	5097	18	268	5122	17	386	132	18
07	988	5011	27	508	076	5014	22	122	5054	19	169	5092	17	271	5159	13	386	191	07
08	993	002	30	505	079	5058	21	123	5089	19	170	5122	16	271	5182	11	385	230	08
09	992	006	32	505	078	5064	21	123	5089	17	169	5117	13	271	5153	10	386	220	04
10	982	5011	28	513	070	5055	23	115	5084	21	162	5094	22	264	5136	17	380	180	13
11	981	003	38	514	070	5053	25	114	5079	23	161	5100	20	263	5148	15	378	244	07
12	985	014	34	511	073	5044	24	118	5072	19	165	5096	16	267	5153	10	381	234	05
13	986	5003	28	511	073	5065	22	118	5083	21	164	5113	16	267	5174	11	381	223	07
14	978	5010	28	516	067	5069	21	112	5078	15	158	5111	12	260	5180	08	373	234	03
15	990	011	30	507	077	5069	21	121	5099	17	168	5129	13	268	5199	09	381	248	06
16	993	006	33	505	079	5069	20	123	5102	16	170	5133	14	270	5205	08	383	221	04
17	985	5011	27	511	072	5079	19	116	5098	16	163	5119	13	264	5177	08	378	228	06
18	988	5000	39	508	075	5056	25	120	5082	22	167	5110	19	269	5158	13	383	233	08
19	001	011	32	02	085	5062	23	130	5090	21	177	5099	18	280	5107		398	159	13
20	994	034	26	504	081	5018	23	126	5037	15	174	5054	08	278	5099	07	396	136	
21	991	035	32	507	079	5004	20	124	5038	17	172	5066	15	276	5086	08	394	141	
22	994	038	25	504	081	5011	20	127	5059	18	174	5108	15	276	5122	11	394	123	
23	993	026	31	504	080	5036	19	125	5068	19	172	5107	16	274	5110	09	391	180	
24	990	027	29	507	077	5044		122	5069		169	5107		270	5156		385	204	
25	990	005	30	507	077	5050	20	121	5085	18	168	5120	15	269	5180	10	383	268	05
26	996	026	27	502	083	5016	18	128	5053	18	175	5100	15	276	5172	12	390	245	07
27	001	005	37	02	085	5057	26	130	5086	21	177	5117	17	278	5186	10	391	273	04
28	011	033	33	10	099	5047	22	144	5070	19	191	5098	11	293	5163	06	407	224	
29	005	016	23	06	090	5032		135	5036		182	5074		286	5102		403	158	08
30	992	5004	27	506	078	5058	16	122	5081	12	169	5106		271	5146		387	215	08
31	988	002	23	509	074	5074	18	119	5112	16	165	5145	13	265	5177	05	380	215	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	499	344	03	651	460		838	577	091	577	274	541	539	461				
02	506	354	03	658	452		844	570	098	575	281	549	544	478	691	464	883	435
03	505	370	01	657	434		847	513	110	496	299	484	566	479	713	477	903	471
04	513	278		670	383		861	432	124	470	315	466	585	463	733	462	924	462
05	521	260		682	332	02	878	472	139	518	326	493	593	480	740	468	932	450
06	522	220	08	683	335	03	879	484	139	488	330	463	600	447	750	431	945	411
07	520	272	05	677	390	02	870	463	139	451	331	440	601	465	749	458	940	461
08	517	306	04	672	407		864	483	135	425	329	447	600	462	747	469	938	461
09	518	299		674	375		868	483	135	473	328	432	600	461	748	455	938	468
10	514	270	06	671	399	02	862	497	130	458	321	459	593	453	741	460	932	458
11	508	320	04	663	424		853	519	119	466	311	442	585	427	734	450	927	445
12	512	338	02	666	423		856	511	122	461	315	443	587	447	736	447	928	446
13	512	322	03	667	418		856	532	124	446	317	446	587	462	736	457	928	450
14	505	318	02	659	439		848	498	117	448	309	454	580	453	729	441	922	447
15	513	314	02	668	406		858	520	121	484	312	467	581	457	730	455	922	452
16	515	301		671	393		863	519	124	504	315	446	586	443	735	456	928	430
17	510	305	02	666	387		858	496	122	506	311	450	585	425	735	428	929	417
18	515	297	03	671	388	01	864	493	129	488	318	480	589	412	740	423	935	418
19	533	239		692	366		885	521										
20	532	224		692	352		886	499	143	545	330	497	598	463	747	437	942	438
21	530	233		689	367		882	513	143	518	332	464	602	466	751	431	945	427
22	531	218		691	350		886	497	145	507	336	459	606	447	756	436		
23	525	250		684	358		879	489	139	519	329	455	601	431	751	441	944	420
24	518	282		675	392		867	516	127	498	316	467	589	423	740	424	935	406
25	513	330	02	667	437		856	519	120	481	311	441	586	395	739	394	936	391
26	520	345	03	673	466		859	549	123	471	314	427						
27	520	360	02	671	484		858	521	122	479	312	455	586	401	739	394	936	391
28	539	308		695	399		886	515	149	497	338	467	609	434	759	420	955	406
29	540	204	07	702	316	03	900	467	156	670	378	534	602	477	752	430	946	419
30	519	286	04	676	399	02	867	492	135	450	327	457	597	451	747	438	941	412
31	513	258	03	672	367		867	436	136	481	326	460	597	442	746	430	941	417

Results of Radiosonde Observations,
WILKES – Feb., 1959
Observations. 2330 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																			
03	971	5027	17	522	061	5071	12	106	5107	11	152	5150	10	251	5219	06	365	241	
03																			
04	984	5041	20	512	072	5049	14	116	5073	12	163	5100	11	265	5160	08	379	246	03
06	993	5049	16	504	078	5065	15	123	5084	09	169	5113	08	271	5177		385	244	
06	003	5028	23	04	087	5040	12	132	5047	09	180	5070	08	283	5081	26	401	122	23
07	995	001	36	503	081	5015	35	126	5039	32	174	5051	31	279	5034	42	401	069	36
09	988	5017	32	509	075	5062	24	119	5084	21	166	5107	18	268	5128	16	386	176	09
09	987	5006	28	509	075	5037	28	119	5054	27	166	5083	23	269	5110	22	387	165	16
11	980	5018	30	515	068	5067	20	113	5096	18	159	5120	17	260	5162	13	376	212	08
11	983	5016	28	512	071	5057	32	115	5072	10	163	5064	09	266	5108	19	384	115	22
13	980	5041	19	515	068	5095	17	112	5117	13	158	5128	11	259	5168	05	374	201	
13	986	5029	27	510	073	5087	20	117	5125	16	163	5139	13	264	5164	06	379	215	04
14	982	5056	18	513	069	5118	14	112	5132	13	158	5133	08	259	5160	05	374	215	
16	986	5034	23	510	073	5089	17	117	5114	16	163	5139	14	263	5192	09	377	254	06
17	978	5061	20	517	066	5113	15	109	5150	12	155	5171	10	254	5215	04	367	256	02
17	987	5036	22	510	073	5112	15	117	5110	14	163	5143	09	263	5207	07	377	252	03
19	985	5063	18	511	072	5085		116	5121		162	5160		263	5145		379	207	
19	983	5028	24	513	071	5062	20	115	5082	20	162	5107	19	264	5171	13	377	247	07
20	971	5027	24	522	061	5041	17	106	5078	17	153	5114	16	254	5180	11	367	250	07
21	963	5023	29	529	055	5062	19	099	5090	18	146	5112	16	247	5184	10	360	236	07
23	965	5028	23	527	057	5019	15	102	5055	12	149	5091	10	251	5179	06	364	281	04
24	972	5028	26	521	063	5057	14	107	5097	13	154	5135	12	254	5211	07	366	308	03
25	975	5044	25	520	064	5100	16	107	5127	12	154	5143	09	254	5184	04	367	267	02
25	982	5073	20	513	068	5130	14	112	5168	10	157	5168	11	256	5247	06	369	251	
26	990	5064	21	506	075	5121	11	118	5160	10	164	5196	09	263	5209	07	376	250	
27	985	5094	16	511	070	5151	11	114	5150	08	159	5145	05	260	5189		373	252	
28	992	5083	12	505	076	5087		121	5095		168	5100		270	5147	06	386	178	12

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	497	278		654	396		848	406										
03																		
04	509	362		659	458		851	433	128	404	324	392	601	395	753	387	950	397
06	539	191	15	692	267	08	891	457	151	534	339	484	604	485	753	450	955	453
06	515	325		669	427		862	456	134	446	327	429	600	429	750	432	944	423
07	540	157	17	705	271	07	906	438	166	581	352	497	616	498	762	492	952	471
09	521	247	08	680	361	03	876	461	149	427	343	430	614	466	762	461	954	449
09	519	279	05	677	379	01	870	470	143	417	337	424	609	457	758	445	950	452
11	522	178	14	686	265	07	887	427	150	506	339	463	608	457	757	457	949	456
11	508	274	03	665	412		857	422	135	387	332	404	607	425	757	428		
13	507	279		664	380		857	459	133	389	330	418	603	437	754	426	948	435
13	511	285	02	668	399		864	389	141	421	336	417	609	452	758	456	950	449
14	505	307		661	416		850	509	123	400	319	397	595	418	747	419	942	420
16	507	344	03	669	447		847	519	120	406	315	411	591	410	743	409		
17	507	343	02	659	451		847	462	123	398	319	398	596	404	748	407	943	419
17	497	347	01	649	451		842	408	119	402	315	413	590	411	741	434	935	434
19	512	281		668	398		861	480	128	450	322	425	596	425	747	423	942	430
19	508	337	03	662	422		852	510	121	437	315	432	587	446	737	437	931	438
20	498	343	03	650	430		840	507	112	417	308	397	584	405	736	406	932	408
21	492	304	04	647	415		837	507	106	434	300	412	576	396	728	403	924	409
23	487	375	02	639	420		829	473	102	418	297	420	572	424	723	412	917	429
24	493	391	02	644	471		832	480	105	418	300	415	575	420	709	422	903	433
25	498	341	03	652	433		841	527	112	417	307	414	581	432	731	439	924	434
25	496	343	02	650	427		839	485	110	423	305	418	579	420	729	428	923	430
26	506	328		660	433		849	527	119	429	313	443	584	447	734	446	926	448
27	503	340		657	423		847	489	119	424	312	445	583	450	732	452	924	453
28	521	232	09	681	338	04	877	467	137	549	324	492	590	473	738	470	929	470

Results of Radiosonde Observations,
WILKES – Mar., 1959

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	5045	21	505	077	5103	18	121	5124	18	167	5128	17	268	5174	12	383	232	08
02	991	5104	13	506	075	5082	07	119	5090		166	5101		268	5148	07	383	202	
03	994	5128	10	504	077	5127	07	121	5120	05	167	5128		269	5130		386	153	
04																			
06	989	5054	23	508	074	5095	18	119	5111	16	165	5143	13	265	5214	08	377	300	04
06	993	5072	19	505	077	5111	15	121	5134	13	167	5140	14	267	5200	09	380	290	04
07	989	5131	12	508	074	5105	05	118	5105	07	164	5135	08	264	5218	04	375	287	03
08	975	5019	27	519	064	5068	18	109	5081	18	155	5109	16	258	5141	13	372	226	08
09																			
10	990	5064	19	507	076	5050	18	120	5081	16	167	5106	14	269	5156	07	384	233	03
11	969	5073	16	523	059	5071	15	103	5079	10	150	5101	06	251	5170	04	365	244	
12	967	5092	13	525	057	5088	08	101	5096	10	148	5116	09	250	5160		364	239	
14	979	5079	16	516	066	5062	16	111	5055		159	5075		262	5127		378	174	
14	992	5122	12	505	077	5051		121	5082		168	5083		272	5098		389		
15	992	5154	09	505	075	5150	11	118	5173	10	163	5176	07	263	5190		376	241	
16	992	5075	16	505	077	5066		122	5087		169	5080		272	5085	21	391	111	24
17	995	5142	11	502	075	5120		119	5097		166	5109		268	5139		384	175	
19	974	5009	21	520	064	5037	11	109	5052	10	157	5064	10	260	5137	11	377	113	16
19	994	5099	11	504	077	5139	04	120	5097		167	5080		270	5101		388	150	
20	969	5093	08	523	058	5111	05	102	5129		148	5110		250	5172		364	148	
21	962	5111	10	529	052	5126	06	096	5158	06	141	5192	07	239	5261	05	351	249	03
22	972	5105	13	521	060	5121	08	104	5155	07	149	5198	07	247	5213	06	359	277	02
23	987	5073	16	509	073	5107	12	117	5137	10	162	5174	07	261	5261	05	372	276	03
24	990	5123	08	506	075	5063		120	5069		167	5078		270	5129		386	184	
25	991	5093	14	506	076	5051		121	5057		168	5077	12	271	5125	17	387	190	11
26	993	5087	09	505	077	5114	07	120	5131	05	167	5092	17	270	5130	16	386	197	08
28	997	5066	22	501	080	5115	16	124	5143	13	170	5144	14	270	5192	09	383	257	05
29	996	5161	09	502	079	5107	08	122	5118	05	169	5109		270	5174		384	256	
30	980	5122	11	514	067	5117	16	110	5117	16	157	5145	14	257	5199	10	370	261	06
31	974	5038	19	519	063	5091	13	107	5115	13	154	5111	09	254	5207	07	366	275	05
31	984	5082	18	511	071	5101	18	114	5125	16	161	5124	17	261	5197	10	374	279	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	514	319	04	668	427		858	488	127	449	319	468	588	464	736	468	927	463
02	515	311	02	669	426		859	553	127	442	319	444	590	465	738	458	930	460
03	521	248	07	679	384	03	873	493	133	490	323	470	592	478	740	470	931	465
04																		
06	504	384	02	654	481		841	517	111	428	305	434	577	452	727	442	919	454
06	507	380	02	659	468		845	527										
07	504	365	01	656	450		845	481	115	450	308	440	579	456	729	434	921	463
08	504	311	04	660	393	02	851	517	115	461	306	473	575	468	723	473	913	478
09																		
10	514	333	02	668	405		860	500	129	460	319	472	586	486	733	479	923	470
11	496	330		650	420		843	452	118	402	314	422	584	456	733	470	923	458
12	495	326		649	414		844	414	122	386	316	401	589	464	738	452	930	467
14	526	223		686	313		884	465	148	473	337	483	603	503	749	487	938	490
14	514	236		674	337		869	484	133	453	324	463	592	460	740	477	921	481
16	529	191	15	691	312	05	888	375	149	525	337	510	602	501	747	494	935	508
16	507	319		662	397		854	458	128	419	328	439	594	453	741	487	930	492
17	519	255		677	366		871	500	132	492	321	476	590	466	737	476	927	466
19	514	211	09	675	336	03	871	495	129	529	317	489	583	486	730	488	918	509
19	524	226		684	360		877	518	134	505	322	509	588	474	735	488	924	499
20	502	200		663	345		856	519	118	479	309	456	579	455	727	469	917	491
21	481	328		635	410		829	426	106	417	299	417	572	429	722	433	916	438
22	488	338		643	408		832	514	103	423	297	444	569	448	718	460	909	452
23	501	350		655	407		847	484	115	454	307	468	575	480	722	476	912	487
24	521	243		679	376		871	520	126	547	313	508	577	496	724	484	913	489
25	520	285	05	676	406		866	547	124	500	312	488	578	507	724	496	912	500
26	520	259	07	680	335	03	875	500	133	542	319	529	582	509	727	508	914	508
28	514	334	02	668	423		858	504	125	468	316	489	581	481	728	470	917	497
29	514	330		668	434		856	537	123	465	313	478	580	482	727	495	916	471
30	499	339	03	652	454		839	553	106	447	299	449	568	478	715	485	904	494
31	497	322	04	652	404		842	515	108	461	298	474	565	483	711	511	898	521
31	502	373	02	653	478		841	486	110	460	301	465	570	478	716	488	905	497

Results of Radiosonde Observations,
WILKES – Apr., 1959

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	5099	14	520	061	5123	11	105	5107	12	152	5122	08	253	5177	06	366	232	
03	995	004	36	503	081	5048	23	126	5082	20	173	5118	17	274	5173	12	388	254	06
04	000	5040	18	01	085	5062	13	129	5097	11	175	5119	10	277	5167	06	391	233	08
05	996	5034	22	502	081	5083	14	125	5114	13	171	5149	12	272	5168	11	386	236	
06	994	5096	13	503	079	5059		124	5083		171	5109		272	5182		386	203	05
07	998	5134	11	501	080	5132	10	124	5121	14	170	5133		271	5167		385	236	
08	974	5070	14	520	062	5117	11	106	5104	13	153	5113	12	254	5174	07	368	252	03
09	974	5016	30	520	064	5053	21	108	5067	21	156	5082	21	258	5148	15	373	213	09
10	994	5016	33	503	080	5044	23	125	5066	21	172	5087	20	275	5141	15	390	220	08
11	992	5017	31	505	078	5068	23	122	5093	20	169	5122	17	270	5186	11	384	235	07
12	994	5038	26	504	079	5088	15	123	5099	15	169	5110	15	271	5192	08	384	225	06
13	985	5136	09	510	071	5105		115	5110		161	5127		262	5145		379	183	
14	990	5111	10	507	075	5099		119	5118		165	5138		266	5168		381	200	07
15	992	5133	10	505	076	5100		120	5117		166	5137		268	5140		383	195	
16	984	5140	10	511	079	5181	05	121	5178	05	167	5187	04	266	5208		380	227	
17	985	5208	05	510	069	5193	05	111	5219	04	156	5208	03	254	5229		365	273	
18	984	5150	08	511	069	5148	08	112	5183	07	157	5220	06	255	5220	03	367	270	
19	975	5092	14	519	063	5116	09	107	5138	09	153	5167	09	251	5240	06	363	279	04
20	972	5032	23	523	062	5056	15	107	5086	16	153	5121	15	254	5199	10	366	283	05
20																			
22	971	5107	13	522	060	5068	11	104	5103	11	151	5141	10	252	5162		367	208	
23	975	5067	19	519	064	5069	16	108	5096	16	155	5114	16	257	5154	13	372	236	07
24	982	5089	16	513	068	5124	13	111	5101	12	158	5100	06	260	5154	08	375	245	04
25	982	5134	10	513	068	5142	05	111	5169	04	156	5198	04	256	5184	06	370	267	04
26	994	5082	13	504	078	5123	12	121	5153	10	167	5186	09	265	5208	09	378	285	05
27	990	5116	12	506	074	5124	12	118	5157	10	163	5192	08	262	5223	07	373	302	04
28	981	5122	12	514	067	5134	08	111	5156	08	156	5190	07	254	5247	06	365	308	03
29	972	5201	06	520	059	5112	09	103	5133	06	149	5171	05	247	5252	04	357	336	02
30	976	5150	08	517	063	5133	05	106	5147	08	152	5180	07	250	5261	04	360	330	02
30	983	5157	08	512	068	5133	08	112	5159	07	157	5189	06	255	5237	04	368	251	

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	498	314		653	409		845	497	112	453	303	476	570	502	715	510	902	508
03	517	346	03	670	436		859	523	124	486	313	498	578	520	722	527	908	525
04	522	320	04	676	448		862	590	121	521	310	502	574	520	718	524	903	546
05	517	318	03	671	439		858	578	116	505	304	499	567	515	711	539	896	538
06	517	327	03	670	451		857	587	113	508	301	507	565	520	709	542	894	539
07	516	337		668	466		854	587	114	491	302	507	565	510	709	540	894	532
08	499	300		654	418		845	520	108	489	297	485	563	502	709	507	896	512
09	504	329	03	658	431		848	536	111	475	301	478	569	487	714	510	901	521
10	521	310	04	676	422		865	516	132	458	325	450	595	456	707	471	897	488
11	515	326	02	668	427		856	540	122	469	313	470	580	483	726	498	914	506
12	517	297		673	399		864	527	128	473	320	456	590	453	739	459	930	465
13	512	255		672	342		868	480	132	468	322	468	591	452	740	460	931	451
14	515	280	06	672	378	02	865	495	127	498	316	472	587	446	735	460	926	463
15	517	255		676	363		870	504	127	541	315	494	582	464	730	465	921	469
16	511	293		668	380		860	525	120	497	309	494	577	464	725	467	916	470
17	496	352		648	428		836	537	100	482	289	496	554	514	699	521	883	517
18	497	339		650	437		838	563	098	505	286	505	549	527	693	530	879	533
19	492	364	02	643	459		829	580	087	560	274	523	535	530	679	525	864	544
20	494	361	02	645	490		830	570	088	533	273	532	534	537	677	543	861	551
20																		
22	500	284	03	657	400	02	846	558	097	569	281	534	542	523	687	521	873	521
23	503	303	04	658	415		846	564	100	550	284	529	547	515	692	494	880	495
24	505	310		660	415		848	573	103	540	288	524	550	521	694	521	881	508
25	499	313	02	654	422		842	570	099	527	284	526	547	521	690	537	875	538
26	506	377	02	658	440		845	553	103	531	289	539	549	550	691	542	875	561
27	500	388	02	652	472		739	509	101	502	288	517	550	542	692	559	874	572
28	493	369		644	449		833	495	100	485	289	501	552	537	695	556	878	561
29	483	367	01	635	471		822	502	090	478	279	487	544	515	688	546	872	549
30	499	316	02	654	419		843	550	101	514	288	514	549	563	691	573	872	586
30	487	372		639	469		826	500	094	484	282	505	545	540	688	549	871	560

Results of Radiosonde Observations,
WILKES – May, 1959

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	987	5062	17	509	073	5104	09	116	5142	08	162	5182	07	261	5202	09	374	264	05
03	984	5133	08	511	069	5168	08	112	5143	10	158	5162	07	257	5207	05	370	273	02
04	987	5159	09	509	072	5152	09	115	5164	09	160	5171	09	260	5208	08	372	281	05
05	961	5067	21	530	052	5110	14	096	5136	12	142	5142	12	242	5194	09	355	270	05
05	964	5041	23	528	055	5058	20	100	5074	15	147	5106	10	248	5188	04	362	271	
07	988	5058	22	508	074	5097	16	118	5128	14	164	5160	12	260	5227	07	371	323	03
08	990	5186	07	506	073	5156	05	116	5154	07	162	5156	06	262	5182		376	252	
09	972	5133	12	520	059	5160	09	102	5153	11	148	5172	10	248	5180	11	362	252	06
10	977	5162	09	522	063	5		105	5215	06	150	5231	06	247	5238	06	359	297	04
11	984	5271	03	511	067	5200		109	5165		155	5190		254	5221		366	290	
12	972	5163	10	520	059	5179	07	102	5184	08	147	5191	08	246	5190	10	359	263	06
13	971	5226	04	521	057	5210	06	100	5205	07	145	5221	06	243	5232	05	354	286	
14	987	5171	05	509	072	5083		117	5104		163	5108		265	5147		380	213	09
15	979	5051	24	516	067	5055	23	112	5074	22	159	5108	19	261	5157	13	375	235	07
16	974	5082	18	520	062	5124	13	105	5152	12	151	5174	10	250	5225	07	362	271	05
17	973	5118	10	520	061	5123	11	105	5147	08	150	5177	08	248	5248	06	359	311	03
18	979	5156	10	515	065	5143	09	108	5161	09	153	5183	08	251	5242	06	362	307	03
19	003	5154	08	04	084	5151	07	127	5181	07	172	5185	07	271	5238	04	382	307	
20	998	5074	18	500	082	5087	13	126	5125	12	172	5152	11	272	5203	06	385	241	06
20																			
22	014	5045	18	11	094	5096	14	137	5133	12	183	5161	12	283	5190	10	399	182	05
23	987	5131	12	509	072	5126	10	115	5139		161	5140		262	5200		375	261	
23	005	5065	15	05	087	5117	07	130	5148	09	176	5137	14	278	5157	13	392	246	07
24																			
26	987	5061	16	509	072	5133	11	116	5146	10	161	5181	09	260	5236	06	372	287	03
27	003	5088	11	04	086	5100	12	130	5142	11	175	5187	09	274	5213	04	387	273	
28	996	5051	20	502	080	5070	21	125	5007	18	171	5132	15	271	5210	09	383	298	04
29	011	5066	19	10	091	5124	14	135	5134	13	180	5171	10	279	5255	06	390	303	03
30	001	5141	10	02	081	5134	06	125	5131		171	5165		270	5239		381	315	
31	994	5118	13	503	077	5143	11	120	5154	11	166	5151	12	265	5228	07	376	308	04
31	003	5209	06	03	081	5210	04	124	5142		170	5165	05	269	5235	04	380	324	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
02	504	334	02	658	423		846	556	100	563	285	545	543	567	685	567	866	585
03	499	350		652	436		840	564	095	548	280	537	539	561	680	571	861	599
04	501	364	02	652	471		839	560	098	537	283	543	541	563	682	591	861	628
05	484	363	02	635	465		821	566	082	518	267	549						
05	490	376		640	485		827	549	089	533	274	547	532	574	671	612	850	606
07	497	394	02	648	482		833	577	091	531	275	570	530	586	670	610	847	641
08	507	305		662	420		850	564	104	563	287	570	542	596	681	623	857	632
09	492	347	03	644	458		831	546	092	532	277	547	534	579	673	615	852	631
10	486	377	02	637	465		822	584	078	549	261	562	517	589	656	611	834	628
11	493	375		644	472		831	567	087	567	269	560	524	599	663	615	841	637
12	488	346	02	642	427		831	534	092	532	277	549	534	586	673	607	851	632
13	483	371		633	485		821	501	088	472	278	493	542	533	685	552	866	592
14	513	296	05	668	416		857	553	110	573	294	549	554	561	695	567	878	575
15	506	330	03	659	449		845	595	100	557	284	556	542	565	684	559		
16	492	351		644	462		830	567	090	526	276	525	537	540	680	553	862	556
17	486	380	02	636	484		821	578	080	544								
18	489	401		638	511		821	587	078	555	261	566	517	579	657	587	838	582
19	508	415		655	531		840	574	098	549	281	562	538	569	678	590	858	602
20	517	306	03	672	403		862	565	114	589								
20																		
22	533	271		689	403		879	557	128	637	306	600	560	590				
23	523	302	05	678	419		867	565	118	596	298	579	554	589	694	605	872	624
23	504	356		656	478		841	573	097	559	279	582	533	602	672	606	851	611
24																		
26	500	395		648	515		832	532	092	549	275	562						
27	516	347	02	672	376	02	864	529	117	619	296	601	549	613	687	638	862	670
28	510	428		661	442		852	504	114	508	298	558	553	608				
29	517	380		669	442		857	553	113	560	300	578	551	590	690	620	866	642
30	507	398		656	486		842	567	098	563	282	549	539	582	679	591	859	606
31	503	406		651	525		833	620	085	576	267	583	521	605	659	623	837	629
31	506	412		654	350		835	600	092	552	275	567	531	583	671	597	850	614

Results of Radiosonde Observations,
WILKES – Jun., 1959

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	997	5093	17	501	082	5077	14	126	5118	12	172	5162	12	271	5233	06	382	297	
02																			
03																			
05	993	5128	11	504	078	5092		122	5118		168	5162		267	5211		379	271	
06	997	5176	08	501	078	5161	05	121	5184	05	166	5221	06	265	5211		378	271	
07	982	5134	08	513	067	5163	07	110	5200	06	155	5234	06	251	5258	05	363	277	
08	979	5108	15	515	066	5148	10	108	5179	09	154	5200	08	252	5223	07	363	314	03
08																			
10	977	5069	20	517	065	5112	13	108	5146	11	154	5182	10	252	5236	06	364	280	02
11	988	5088	17	508	073	5144	11	116	5161	10	162	5174	10	261	5230	07	374	264	04
12	994	5105	15	504	077	5110	09	121	5184		167	5132	06	268	5182	09	383	190	11
13	991	5104	15	506	074	5190	08	116	5207	07	161	5227	06	259	5221	07	370	297	05
14	995	5196	07	502	075	5243	05	117	5225	04	162	5228		259	5263		369	311	
15	997	5290	02	504	075	5261	03	117	5252	02	160	5276		256	5300		364	345	
16	995	5274	03	502	074	5257	02	116	5238	02	160	5235		257	5290		365	360	
17	992	5233	04	505	074	5172	03	117	5168		162	5181		260	5262		371	339	
18	992	5260	03	504	072	5252	03	114	5270	03	157	5254	03	254	5288		362	368	
19	991	5265	03	505	071	5239	03	113	5234	03	158	5229	02	255	5276		364	354	
20	985	5238	04	510	068	5197	03	111	5198		155	5212		253	5267		363	332	
21	991	5197	05	506	074	5173	04	117	5174	08	162	5200	06	260	5239	06	371	301	04
22	988	5188	07	508	073	5108	16	117	5140	13	162	5160	11	262	5232	07	373	307	03
23	973	5212	06	519	059	5168	09	102	5178	10	147	5185	06	246	5222		358	308	
24	971	5117	13	522	060	5115	11	103	5151	11	149			247	5235	07	359	291	04
24																			
26	966	5056	24	526	056	5081	20	101	5101	18	147	5133	15	248	5151	14	363	208	08
27	997	5112	13	501	078	5184	09	121	5166	11	166	5183	10	265	5243	06	376	295	04
28	988	5221	05	508	071	5145	05	114	5144		160	5175		259	5242		370	298	
29	985	5222	05	510	068	5196	04	111	5130	05	157	5147		258	5153		373	225	
30	973	5083	17	520	061	5104	12	105	5090	13	152	5129	11	253	5184	11			
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	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	°C ×10⁻¹	gpDm	°C ×10⁻¹	gpDm	°C ×10⁻¹	gpDm	°C ×10⁻¹	gpDm	°C ×10⁻¹
02	510	380		662	457		847	600	095	635	272	620	521	645	657	643	833	655
02																		
03																		
05	508	341		662	450		847	614	090	679	265	650						
06	507	358		659	465		844	592	093	653	268	653	513	693	645	717	814	747
07	491	376		642	474		828	569	081	625	259	618	506	688	638	737	809	704
08	490	389	01	640	489		825	583	079	588	260	593	512	621	649	643	824	671
08																		
10	493	372		644	459		830	573	089	568	269	564	523	617	660	648	835	688
11	503	376		652	512		836	571	091	597	270	643	515	690	648	713	817	735
12	517	260	07	675	366	03	868	515	119	716	291	691	532	706				
13	498	378	02	648	487		833	560	093	547	276	569	531	618	668	630	844	670
14	497	375		648	462		837	528	090	572	270	599	520	664	655	681	827	705
15	490	401		640	488		826	559	083	562	265	620	512	675	646	696		
16	491	420		639	510		823	576	076	599	255	645	499	702	631	745	798	736
17	496	445		642	550		823	610	074	604	252	631	499	685	631	712	799	761
18	486	452		633	527		815	610	065	637	241	652	486	690	619	745	782	787
19	488	448		635	526		817	598	068	629	245	648	489	709	621	727	788	751
20	490	381		642	454		828	589	075	640	251	637	495	705	627	729	794	759
21	498	410		646	514		828	640	073	665	247	673	490	715	621	728	789	750
22	500	397	01	649	488		832	629	076	690	249	696	488	730	618	754	784	785
23	485	401		634	507		816	593	069	613	247	631	494	667	628	699	797	740
24	489	329	03	643	425		832	560	082	640	256	624						
24																		
26	495	310		649	451		835	600	083	661	257	678	498	721	629	740	796	762
27	505	356	03	656	472		841	606	089	642	265	642	511	683	644	714	812	754
28	499	340		652	438		839	570	090	625	268	635	514	694	647	702	817	732
29	505	296	05	660	418		849	573	095	657	271	633	519	653	653	687	824	729
30	497	299	05	652	403		840	572	086	708	251	711	495	734				
30																		

Results of Radiosonde Observations,
WILKES — Jul., 1959

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	974	5065	21	520	063	5099	10	107	5129	06	153	5170	09	252	5224	07	364	300	04
03	978	5114	13	516	064	5159	10	107	5164	10	153	5174	10	252	5225	07	363	310	04
04	981	5150	10	513	066	5191	07	109	5171	10	154	5187	09	253	5250	06	363	316	03
05	981	5157	09	513	066	5214	06	107	5245	05	152	5214	05	250	5231		362	306	
06	994	5144	09	503	076	5133	05	119	5139	07	165	5160	09	265	5210	08	377	268	05
07	991	5072	17	506	075	5121	13	119	5138	14	165	5157	12	264	5232	07	375	288	04
08	010	5126	12	09	090	5094	08	134	5099	06	180	5134	05	282	5157	09	396	227	07
09	990	5066	18	507	075	5121	12	118	5149	11	164	5164	11	264	5210	08	377	263	04
10	990	5122	13	507	074	5141	11	117	5157	10	163	5183	08	261	5243	05	373	290	03
11	986	5127	11	510	071	5146	07	114	5151	07	160	5144	07	261	5170		375	208	08
11																			
13	984	5112	08	512	069	5130		112	5146		158	5179		257	5235		369	251	
14	987	5176	07	508	070	5226	05	112	5252	05	156	5216	05	254	5260		365	291	
15	982	5256	04	512	065	5271	03	106	5268	02	149	5278		245	5311		353	383	
16	980	5189	05	514	064	5222	04	106	5258	04	149	5295	03	243	5332	02	350	405	
17	973	5191	06	520	060	5173	05	102	5197	04	148	5223		245	5282		354	367	01
18	980	5117	12	514	066	5164	07	109	5198	06	153	5233	06	250	5282	04	359	348	02
19	985	5129	10	510	070	5174	08	112	5202	06	157	5233	05	253	5293	04	363	324	01
20	991	5157	09	505	073	5176	07	116	5195	07	161	5212	07	258	5287	04	367	348	03
21	988	5131	10	508	072	5163	08	115	5199	06	158	5238	05	254	5285	04	364	352	02
22	988	5121	12	508	072	5164	09	115	5192	08	160	5218	07	257	5277	04	366	358	02
23	987	5183	07	508	071	5155	07	114	5184	06	159	5216	06	256	5274	03	365	361	02
24	980	5211	05	514	066	5127		109	5136		155	5169		253	5247		364	315	
25	976	5178	07	517	062	5169	07	105	5188	07	150	5198		248	5260		358	341	
26	987	5176	10	512	067	5184	08	110	5213	07	154	5239	06	251	5296	04	359	376	02
27	989	5190	07	508	071	5209	06	113	5229	05	157	5264	04	253	5292	02	362	360	
28	995	5249	04	503	074	5250	03	116	5216	03	161	5238	03	257	5269		367	347	
29	985	5129	10	510	070	5121	07	114	5149	06	160	5169	06	259	5201	03	372	288	03
30	991	5084	16	506	076	5133	12	119	5162	11	164	5188	09	263	5198	09	376	278	05
31	000	5133	10	01	082	5107	11	126	5127	09	172	5137	11	273	5179	08	387	241	
31	003	5188	07	04	083	5153	03	127	5097		173	5100		275	5142		390	229	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
02	491	407		639	489		821	640	067	673	239	703	478	753	606	784	769	804
03	490	410		638	522		819	636	065	673	237	698	477	730	606	754	772	773
04	490	407		638	512		821	621	066	678	239	698	478	738	608	750	773	780
05	488	416		635	543		816	624	059	697	230	714	467	768	594	788	757	813
06	508	321	04	662	424		850	580	099	753	266	737	501	757	620	789	791	807
07	504	349	03	656	462		842	601	089	670	263	684	504	736	633	761	798	794
08	528	290	04	684	420		872	580	115	756	283	728	520	732	650	762	814	800
09	506	368	02	656	502		840	600	088	668	261	706	499	733	629	768	792	810
10	501	379		652	442		840	559	090	667	263	685	502	756	630	789	792	816
11	508	299	05	663	400	02	853	551	100	757	264	792	494	793	620	805	782	822
11																		
13	500	322		653	441		841	576	087	742	253	792	495	762	623	777	788	778
14	494	354		646	467		831	601	075	737	241	736	476	762	605	768	770	781
15	476	449		623	522		805	617	053	663	225	705	464	762	592	779	755	799
16	472	489		616	557		797	601	047	638	222	672	465	720	594	753	760	780
17	478	465		624	530		806	605	056	635	231	664	474	721	605	732	773	748
18	485	421		632	533		813	637	058	672	231	692	469	738	599	750	765	767
19	489	425		636	536		816	636	060	706	229	725	465	763	593	787		
20	491	444		637	543		816	648	062	683	233	720	469	764	597	780	760	803
21	489	441		635	544		815	625	062	678	235	693	473	752	601	773	765	800
22	490	451		636	535		818	617	065	693	235	728	472	754	601	765	765	781
23	489	437		636	529		817	632	062	699	233	720	469	753	598	769	762	788
24	490	408		638	525		819	640	061	722	231	724	468	753	597	776	761	788
25	483	428		631	535		811	639	057	680	229	691	468	751	596	774	760	800
26	482	479		626	553		807	618	057	626	233	653	476	716	607	732	774	767
27	487	431		634	513		818	587	071	625	247	651	491	703	623	717	792	733
28	492	423		640	488		825	579	077	639	251	691	491	731	623	719	791	738
29	500	359	02	651	485		834	616	081	682	253	703						
30	505	363	01	656	485		839	606	075	698	255	716	492	752	622	752	788	767
31	521	333	01	674	457		860	585	106	725	276	693	517	734	647	750	813	769
31	518	326		671	456		857	600	100	721	271	688	511	732	640	775	804	793

Results of Radiosonde Observations,
WILKES – Aug., 1959

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	998	5156	08	500	081	5123	06	124	5153	05	170	5191	05	268	5200		381	258	
03	996	5189	07	502	077	5183	08	120	5204	07	164	5217	06	262	5225		375	270	
04	996	5078	16	502	081	5093	09	125	5133	09	171	5177	08	270	5214	08	383	242	06
05	002	5144	10	03	084	5115	06	128	5109	07	174	5118	06	275	5180		388	273	02
06	002	5127	08	03	084	5111		128	5113		174	5151		274	5187		388	250	
07	002	5184	05	03	083	5150		126	5158		171	5171		271	5320	02	384	271	
08	981	5207	06	513	065	5227	02	107	5264	02	150	5303	02	244	5290	04	353	336	
09	980	5126	10	514	066	5160	05	109	5202	05	153	5222	05	250	5229	07	359	364	02
10	984	5084	16	512	069	5136	11	113	5170	09	158	5208	07	256	5254	06	368	295	04
11	004	5103	14	04	084	5153	09	127	5175	08	173	5197	07	271	5217		382	290	03
12	996	5146	07	502	078	5165		121	5197	02	165	5203		264	5229		376	295	
13	995	5242	03	503	075	5218	03	117	5244	03	161	5217	03	259	5225	07	371	295	
14	991	5173	06	505	073	5214	05	115	5240	05	159	5251	05	257	5209	07	369	291	04
15	973	5097	13	520	061	5123	13	105	5128	14	151	5152	11	251	5196	04	363	281	04
15	981	5192	06	513	066	5152	10	109	5167	09	155	5147	08	256	5244	02	368	282	
17	995	5207	06	503	076	5212	05	118	5232	04	162	5213	04	261	5200		372	313	
17	997	5243	04	501	078	5159	04	121	5144		167	5168		267			380	248	04
18																			
20	980	5191	07	514	065	5176	06	108	5200	06	153	5227	05	250	5269	05	361	295	04
21	970	5119	12	521	059	5151	09	102	5180	08	147	5163	10	246	5229	06	358	287	04
21	987	5214	04	509	070	5214	04	112	5217	05	157	5194	06	255	5229		368	278	
22	968	5139	09	524	056	5179	06	099	5214	05	143	5235	05	241	5224	07	352	293	04
24	968	5111	12	524	057	5111	09	101	5129	10	147	5166	09	246	5219	07	358	293	04
25	972	5158	10	520	059	5189	08	102	5167	09	147	5191	08	245	5244	04	356	312	02
26	975	5183	07	518	061	5197	07	103	5206	06	148	5171	05	248	5223	03	359	293	
27	976	5239	04	517	061	5224	04	103	5249	05	147	5225	05	245	5258		355	315	
28	987	5236	04	508	070	5280	03	109	5315	02	152	5299	03	248	5293		356	346	
29	986	5286	03	509	066	5308	02	107	5340	02	149	5343	02	244	5315		352	357	
30	983	5332	01	511	063	5339	01	103	5365	01	145	5332	01	240	5345		346	378	
30																			
31	961	5299	02	527	048	5298	02	089	5326	01	131	5323	01	227	5284		336	339	

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	511	323		665	429		853	575	102	654	277	665	521	693	653	723	821	760
03	505	343		658	434		845	586	094	669	268	667	511	713	642	742	808	780
04	513	353	02	665	475		848	633	091	702								
05	518	341	02	670	471		854	629	093	774	258	774						
06	518	340		670	441		857	587	100	776	264	784	494	793	621	799	783	803
07	513	345		668	409		857	578	100	789	262	773	495	769	623	773		
08	479	401		628	502		813	573	065	639	238	686	479	752	607	763	771	790
09	483	447		630	513		813	589	063	660	236	708	473	751	601	772	765	808
10	496	371	02	646	497		828	631	075	675	248	702	486	751	614	785	777	807
11	510	392	01	658	489		843	596	087	719	255	750	487	796	613	810	774	831
12	504	374		655	490		837	630	079	745	246	759	478	797	604	812	764	833
13	499	373		649	481		834	609	076	747	244	749	478	769	606	778	770	790
14	497	377	02	647	488		830	624	077	681	250	699	488	749	617	780	780	794
15	496	380		646	491		830	619	073	739	241	736	477	754	606	770	770	790
15	491	389	02	642	470		826	622	070	698	241	710	479	752	608	757	774	763
17	510	317	02	665	418		853	580	095	780	260	750	496	753	625	772	790	773
17	498	405		647	510		830	615	077	679	249	707	488	729	618	749	785	754
18																		
20	489	370	02	640	467		824	618	070	688	241	716	478	752	607	761	772	772
21	496	361		649	437		837	570	085	706	254	736	488	774	615	786	778	801
21	488	317	04	642	436		830	581	073	762	238	791	469	790	595	807	756	827
22	480	370	02	630	476		815	618	057	750	222	772	454	794	580	804	742	818
24	485	393	01	636	496		819	637	058	748	224	766	456	797	582	807	743	820
25	483	391		633	483		818	604	061	737	227	757	458	785	585	797	747	812
26	488	358		640	458		826	599	069	770	231	805	460	800	586	807	748	816
27	482	410		630	512		812	646	051	743	218	748	453	771	580	775	745	780
28	483	390		634	543		813	647	057	699	228	720	465	740	595	746	762	753
29	477	446		623	545		803	621	051	674	223	700	464	701	596	718	764	740
30	470	442		618	487		803	593	051	691	223	716						
30																		
31	462	407		611	523		791	557	033	715	202	744	436	785	563	788	726	790

Results of Radiosonde Observations,
WILKES – Sep., 1959

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	981	5272	03	513	064	5242	03	105	5266	03	149	5284	03	244	5310		353	353	
04	971	5253	03	520	058	5190	04	100	5219	04	144	5253	04	241	5257		351	330	
05	976	5208	06	517	061	5237	05	102	5233	05	147	5238	05	243	5293	03	352	342	
05	972	5230	05	519	059	5136	09	102	5160	06	148	5194	05	245	5271	03	354	355	02
07	964	5264	03	526	051	5262	03	092	5292	02	135	5324	02	229	5346	02	336	394	01
08	957	5302	02	530	044	5320	02	084	5343	01	127	5287	02	223	5320		330	395	
09	965	5300	02	525	051	5313	01	091	5339	01	134	5343	01	227	5342	01	334	402	
10	973	5335	01	518	057	5312	01	097	5342	01	139	5373	01	232	5363	01	338	416	
11	984	5269	03	511	067	5260	02	109	5208		154	5181		252	5231		365	262	
12	967	5196	07	524	054	5217	05	096	5234	05	140	5237	05	238	5239	06	351	269	05
13	969	5251	04	522	057	5140		100	5149		146	5182		244	5239		356	291	
14	967	5259	03	523	053	5261	02	095	5270	02	138	5274	02	235	5260		345	325	
15	970	5271	03	521	056	5272	03	097	5233	03	141	5234		238	5288		348	317	
16	980	5229	04	514	063	5274	03	105	5203	03	150	5214		248	5246		359	320	
16																			
18	986	5233	04	509	068	5260	03	109	5286	02	152	5276	02	249	5268	04	360	303	04
19	972	5208	05	520	058	5258	04	099	5238	04	143	5220		241	5272		350	335	
19	977	5237	04	516	060	5284	03	101	5318	02	144	5264	04	241	5264	02	351	346	
21	963	5194	07	527	052	5172	07	095	5189	07	140	5199	08	238	5245	06	351	284	04
22	967	5181	08	524	054	5191	06	097	5221	05	141	5250	05	238	5239	06	349	318	03
23	983	5196	06	512	066	5216	05	108	5240	04	152	5269	04	249	5290	02	357	356	
24	971	5123	08	522	059	5152	03	101	5192	03	146	5240	02	242	5310	01	351	315	
25	976	5184	04	517	062	5181	05	104	5207	03	149	5228	02	246	5277	03	356	351	02
26	973	5187	07	519	058	5232	05	100	5260	04	144	5257	03	240	5302	01	349	356	
26	989	5139	09	507	074	5123	08	117	5162	08	162	5203	07	261	5218	08	372	308	04
28	004	5150	10	04	084	5160	08	127	5129	07	173	5140	05	273	5213		385	295	
29	991	5107	14	506	072	5140	08	116	5114	12	163	5150	10	262	5221	07	374	277	08
30	986	5079	17	510	072	5115	13	115	5150	12	161	5178	10	260	5239	06	370	330	03
30	990	5069	19	507	075	5105	07	113	5145	07	164	5196	07	263			372		

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	478	418		627	497		810	618	052	728	218	770	450	783	577	798	739	815
04	477	405		626	513		807	634	048	756	214	782	445	796	571	810	732	810
05	479	430		626	530		807	651	046	746	213	771	445	779	572	786	735	797
05	478	437		624	553		803	637	048	700	217	728	453	764	581	773	745	784
07	459	467		605	534		788	590	038	658	211	706	450	731	581	745	748	761
08	453	433		602	487		786	610	034	680	207	701	445	743	575	753	742	756
09	456	468		602	546		783	612	032	666	205	694	445	711	576	730	746	725
10	460	495		605	527		788	583	039	651	213	678	455	695	588	713	757	701
11	496	296	02	652	408		842	542	088	763	255	751	490	737	621	700		
12	478	401		628	476		816	512	075	580	256	596	506	652	641	670	814	668
13	485	332		639	412		827	562	081	611	257	648	505	647				
14	473	363		624	448		812	576	064	592	245	612	496	631	633	627	810	621
15	475	402		623	508		801	623	051	685	224	682	468	656	604	654	779	638
16	485	403		633	530		814	621	062	658	236	672	480	681	614	675	787	690
16																		
18	488	377	02	638	482		822	596	072	648	247	655	495	635	632	625	810	637
19	476	418		624	501		806	657	049	703	219	716	458	695	592	690	764	688
19	476	430		624	526		805	641	050	698	220	720	458	734	588	731	757	729
21	479	391	01	628	516		809	631	054	703	225	700	466	712	598	709	768	707
22	475	411		625	527		805	653	049	700	219	708	460	714	591	713	761	710
23	482	433		630	521		811	632	055	704	224	733	460	752	589	762	754	761
24	479	394		628	514		810	630	051	735								
25	481	433		629	519		810	649	051	738	218	751	453	751	582	756	749	751
26	474	440		620	538		801	630	046	696	216	734	451	750	581	749	748	748
26	499	414		646	544		824	670	065	712	235	738	470	751	590	760	765	764
28	512	390		662	472		848	580	095	695	265	728	502	735	632	749	798	760
29	505	286	05	662	399	02	852	550										
30	499	411		648	491		833	590	080	656	253	678						
30	491	408		638	512		821	600	071	644	246	663	491	667	626	663	801	652

Results of Radiosonde Observations,
WILKES – Oct., 1959

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	996	5119	13	502	079	5138	11	122	5161	10	167	5181	09	266	5244	06	376	323	03
03	989	5081	19	508	075	5073	18	119	5108	14	165	5144	11	265	5208	06	378	257	04
04	974	5065	19	519	063	5089	15	107	5117	13	153	5151	11	253	5227	07	364	267	05
05	997	5075	15	501	081	5103	15	124	5138	13	170	5166	10	270	5217	04	382	266	03
06	992	5103	14	505	078	5109	13	119	5129	07	165	5154	07	266	5150		382	211	
07	968	5159	08	523	056			100	5138	05	146	5150	04	247	5142		363	201	
08	961	5055	15	530	053	5079	12	097	5114	11	143	5147	11	243	5196	09	357	240	07
09	975	5067	16	519	063	5096	13	106	5134	11	152	5148	10	253	5154	07	368	250	06
10	976	5079	15	518	063	5134	12	107	5153	11	152	5152	11	253	5192	08	366	280	04
11	971	5117	15	522	058	5144	12	101	5173	10	147	5186	10	246	5219	06	358	270	06
12	970	5139	11	522	058	5144	10	101	5174	09	147	5162	11	246	5212	08	358	294	04
12																			
14	968	5039	21	525	059	5052	14	103	5089	13	150	5127	12	250	5207	08	362	298	04
15	961	5093	14	530	053	5062	13	097	5081	09	144	5118	07	244	5200	04	356	299	02
16	984	5093	17	511	070	5139	12	113	5170	10	158	5205	08	256	5266	05	365	346	02
17	995	5189	06	503	078	5121		121	5142		167	5159		268	5180		382	230	
17	999	5093	11	00	082	5129	06	125	5165	05	170	5190	04	268	5258	02	379	326	
19	981	5081	18	514	068	5083	18	112	5109	15	158	5137	13	259	5173	11	373	238	07
20	988	5058	19	508	074	5099	14	118	5106	15	164	5121	16	265	5191	10	378	263	06
20																			
21																			
23	976	5089	15	518	063	5144	11	106	5166	10	152	5189	09	251	5224	07	363	289	04
24	985	5116	09	510	070	5171	08	112	5205	08	157	5225	06	254	5257	05	365	298	
24	987	5150	08	509	070	5191	07	113	5221	06	157	5260	04	254	5235	03	365	289	
26	977	5118	09	517	063	5173	07	106	5211	06	150	5251	05	247	5249	03	359	284	
27	968	5074	13	524	057	5119	10	101	5127	14	147	5154	12	246	5232	07	358	291	04
28	974	5055	17	520	063	5090	07	107	5117	06	153	5154	06	252	5239	05	363	285	04
29	980	5076	16	515	067	5137	10	110	5164	10	155	5178	06	255	5216		367	299	02
30	988	5122	10	518	072	5129	05	115	5147	06	161	5175	07	260	5240	05	371	318	03
31	994	5148	08	504	077	5140		120	5138		166	5147		267	5172		381	236	
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
02	503	405		652	515		833	604	084	655	258	664	502	677	637	671	811	670
03	510	279	04	666	400	01	856	563	102	723	272	703	513	689	648	689	819	689
04	495	336	03	647	461		837	510	096	569	279	561	535	585				
05	513	328	03	666	409		856	540	108	639	284	650						
06	514	292		670	417		858	564	105	725	275	703	516	675	651	661	826	644
07	495	293		651	400	02	840	563	085	734	254	718	494	702	627	684	801	662
08	489	298	05	645	406		834	561	082	691	254	692	495	680	629	664	803	664
09	499	298	03	655	411		844	557	092	703	262	708	503	697	637	680	810	658
10	495	329	02	649	421		837	557	089	649	263	667	508	666	644	651	820	631
11	487	353	03	639	470		824	589	073	661	247	659	494	653	630	641	808	600
12	486	392	02	635	507		818	592	067	652	242	659	487	652	624	632	802	605
12																		
14	489	401		637	527		819	605										
15	484	400	08	632	507		815	615	061	675	234	675	479	662	614	648	790	631
16	490	439		637	528		818	615	066	662	241	650	488	625	626	610	806	593
17	505	420		653	504		838	583	086	672	259	681	503	668	638	660	813	651
17	514	279	05	671	389	02	861	560	109	719	277	734	516	710	648	705	820	679
19	504	310	04	659	418		848	571	100	638	275	664	519	683	652	693	824	681
20	508	360	02	660	466		846	560	100	616	276	663	520	671	654	681	827	682
20																		
21																		
23	493	369	02	644	468		830	582	077	693	248	700	491	674	626	663	801	650
24	494	352		646	457		835	529	086	707	254	737	492	719	624	703	795	684
24	493	364		645	458		833	567										
26	488	321		643	421		832	571	078	731	247	718	488	696	621	681	794	663
27	486	389	02	636	440		825	552	074	677	246	689	491	667	626	648	803	621
28	491	377	01	642	452		838	584	083	711	254	693	498	668	633	648	810	622
29	494	374	01	646	439		833	590	077	718	248	691	492	660	629	635	807	603
30	497	398		647	487		831	611	078	671	251	685	494	676	629	655	805	628
31	512	333		664	459		849	603	092	739	259	728	500	658	636	642	813	622
31																		

Results of Radiosonde Observations,
WILKES – Nov., 1959

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	960	5057	15	531	052	5065	13	096	5108	11	142	5136	09	243	5200	05	356	243	06
05	971	5023	19	522	061	5060	11	105	5100	10	152	5144	09	251	5230	07	363	263	04
06	978	5056	21	516	066	5115	13	110	5121	07	156	5140	08	256	5200	04	370	223	
06	984	5020	19	511	071	5092	13	115	5123	12	161	5156	11	261	5222	07	372	302	04
07	982	5067	12	513	068	5132	09	111	5168	09	157	5157	09	257	5207	03	370	245	03
09	980	5077	15	514	067	5141	11	110	5173	10	155	5176	10	255	5217	03	366	282	
10	973	5083	16	520	061	5143	11	104	5171	10	149	5207	08	248	5217	05	361	263	05
11	966	5052	25	526	056	5095	18	100	5130	14	146	5167	10	245	5239	06	355	323	03
12	965	5066	19	527	055	5117	12	099	5151	10	144	5185	08	244	5227	06	355	324	03
13	952	5076	13	537	045	5100	10	089	5119	11	135	5153	10	234	5223	07	347	285	04
14	971	5039	13	522	060	5095	10	104	5138	08	150	5165	07	248	5255	05	358	333	03
14	972	5071	15	521	060	5123	09	104	5157	09	149	5193	08	248	5235	03	359	328	
16	966	5068	14	526	056	5132	10	099	5167	07	144	5181	05	242	5249	03	353	327	
17	956	5034	25	535	048	5095	12	092	5130	11	138	5162	10	238	5220	06	350	280	04
18	971	5042	21	522	060	5099	14	104	5133	12	150	5167	10	249	5222	07	361	290	04
19	972	5054	16	521	061	5090	09	105	5128	09	151	5169	08	250	5220	03	362	312	
20	971	5054	22	522	060	5105	15	104	5135	10	150	5176	08	248	5243	05	359	325	02
21	973	5062	15	521	062	5094	12	105	5135	11	151	5169	10	250	5245	06	361	304	04
21	977	5056	19	517	065	5118	15	109	5140	14	154	5172	11	253	5245	06	364	298	02
23	980	5108	10	515	065	5120	06	109	5128	05	155	5149		255	5211		368	284	
24	965	5067	13	527	055	5076		100	5116		146	5160		245	5237	03	358	237	06
25	972	5052	16	521	061	5123	11	104	5147	07	150	5162	05	245	5206		362	274	
26	974	5033	26	520	063	5065	02	108	5097	18	154	5124	15	255	5184	10	369	257	06
27	986	5011	24	510	072	5095	17	114	5098	16	161	5115	11	262	5172		377	211	
28	974	5008	35	520	064	5055	23	109	5084	21	155	5114	17	267	5184	11	380	270	05
28	990	5016	29	507	076	5076	19	120	5113	15	167	5125	12	267	5193	06	380	260	02
30	974	5031	24	519	063	5090	17	108	5119	15	154	5148	13	254	5182	11	368	250	06
30	978	5028	27	516	067	5038	27	112	5075	22	159	5100	19	261	5151	14	376	221	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																		
02																		
03	488	281	05	645	374	02	838	511	091	655	266	638	516	610	656	593	837	569
05	493	324	02	648	417		837	551	089	640	266	624	518	597	658	582	840	554
06	501	330	03	655	428		844	552	094	671	270	641	520	600	658	594	839	578
06	502	299		658	402		849	521	103	648	276	656	527	606	667	585	849	554
07	501	331	03	654	447		841	563	095	608	273	610	528	561	671	548	855	523
09	496	350	01	648	465		834	564	088	599	268	589	516	610	656	593	850	525
10	490	352	02	642	473		826	617	076	620	254	608	510	558	653	536	839	508
11	482	409		630	524		813	588	066	595	247	569	506	532	650	504	840	465
12	480	438		628	505		812	569	069	570	252	555	514	499	661	452	853	442
13	474	381	01	624	503		811	532	070	546	254	546	519	480	668	457	860	392
14	485	404		634	495		821	539	080	547	263	556	524	487	672	454	865	415
14	485	411		634	507		818	577	073	588	253	579	512	529	656	530	846	464
16	479	419		627	499		812	570	067	601	247	596	504	544	647	529	834	504
17	478	372	02	629	471		814	592	066	610	245	598	502	539	646	512	834	478
18	489	385	02	639	470		824	608	073	627	251	610	507	548	650	528	836	502
19	490	378		640	476		825	589	077	610	256	589	512	545	656	523	843	494
20	485	382		635	484		821	558	074	598	257	579	514	538	659	512	845	499
21	492	358		645	441		834	529	094	527	279	539	539	541	683	526	870	506
21	488	409		636	503		822	539	082	533	268	511						
23	496	371		647	479		833	570	089	579	271	559	531	502	670	472	870	432
24	488	326	03	643	413		833	538	090	565	273	560	533	518	678	492	868	456
25	492	352		644	466		830	547	088	564	273	526	537	490	684	475	875	450
26	498	345	03	652	442		839	545	101	523	280	474	563	401	716	391	912	411
27	509	297		667	376		860	501	116	611	299	542	566	421	718	411	913	405
28	511	328		665	432		853	555	113	540	298	519	565	449	715	446	907	446
28	509	341	03	662	439		851	504	117	499								
30	508	309	04	663	419		852	541	106	582	289	547	555	438	706	393	902	383
30	498	350	02	650	463		837	569	090	566	274	531	539	455	689	414	846	366

Results of Radiosonde Observations,
WILKES – Dec., 1959

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	5015	26	513	070	5087	15	114	5125	11	160	5150	09	259	5219	04	371	287	03
03	988	5005	22	508	074	5075	17	119	5103	12	165	5133	09	265	5207	04	377	273	04
04	986	5041	19	510	072	5090	12	116	5099	07	163	5117		264	5170		378	249	
05	988	5067	15	508	073	5060		118	5076		165	5099		267	5115		384	197	
05	995	5051	13	503	079	5085		123	5105		170	5074		274	5101		391	139	
07	988	5021	23	508	075	5044	21	120	5064	19	167	5091	18	269	5146	14	386	194	11
08	989	004	33	508	073	5049	23	118	5082	19	165	5103	17	266	5180	12	380	252	07
09	994	005	36	504	079	5072	21	124	5100	18	170	5129	15	271	5179	11	386	237	07
10	988	5018	25	509	074	5085	20	118	5089	18	165	5106	13	267	5134	06	384	175	06
11	980	5011	32	515	069	5061	22	113	5081	20	160	5111	17	262	5154	13	377	216	08
12	985	008	36	511	073	5045	23	117	5079	20	164	5110	18	266	5161	12	380	246	06
12	987	5029	27	509	074	5052	21	118	5090	17	165	5105	14	267	5156	08	382	232	05
14	981	5007	28	515	069	5076	20	113	5085	16	160	5113	14	261	5192	08	375	235	03
15	983	5018	23	513	070	5074	20	115	5096	17	161	5120	15	262	5190	09	375	248	06
16	995	010	34	503	081	5067	20	125	5104	17	171	5137	15	272	5190	08	385	220	06
17	987	5005	34	509	074	5073	21	119	5094	17	165	5119	15	266	5187	10	379	238	07
18	983	5017	30	512	071	5057	24	116	5086	21	163	5113	18	265	5143	16	380	228	10
19	999	002	36	00	084	5059	24	123	5087	19	175	5117	17	277	5123		394	169	09
20	994	009	34	504	081	5022	27	127	5042	28	174	5078	24	277	5114	13	395	147	05
21	994	011	30	504	081	5009	15	126	5014	17	174	5036	13	280	5062		398	150	
22	993	045	23	505	080	5016	17	125	5054	17	173	5094	16	275	5097		393	161	
23	996	037	31	502	083	5028	18	128	5062	17	175	5099	16	277	5116	08	394	162	
24	990	000	28	508	077	5058	22	121	5088	19	168	5122	13	269	5193	09	383	227	
24	991	015	30	506	077	5046	21	122	5081	18	169	5112	17	270	5142	08	386	200	
26	995	013	32	503	081	5043	20	126	5079	18	173	5110	16	274	5177	11	387	260	06
26	996	022	22	502	082	5042	17	127	5067	15	174	5095	14	275	5171	11	389	249	06
28	009	021	36	09	092	5057	24	137	5094	20	184	5111	16	284	5198	09	397	262	05
29	009	5001	36	08	091	5084	20	136	5054		183	5099		285	5136		401	191	
30	998	007	25	500	083	5043	08	128	5045		175	5071		279	5128		395	175	10
31	983	006	18	513	071	5067	09	115	5100	06	161	5138	05	262	5157		377	210	
31	988	001	26	509	074	5080	15	119	5116	13	165	5120	09	266	5164	05	381	218	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	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	°C ×10⁻¹	gpDm	°C ×10⁻¹	gpDm	°C ×10⁻¹	gpDm	°C ×10⁻¹	gpDm	°C ×10⁻¹
01	500	360	02	651	474		836	596	088	589	269	555	532	483	680	456	874	410
03	506	360	02	658	453		847	598	107	535	292	521	558	482	706	454	899	435
04	509	326		664	402		854	553	121	464	313	450	583	463	732	443	925	441
05	528	222	10	688	336	04	884	486	143	547	329	510	594	479	742	469	933	457
05	517	280		674	386	01	866	521	133	460	324	454	595	454	744	439	938	430
07	519	284	05	676	361		871	494	138	474	330	449	600	457	749	457	941	456
08	510	345	03	664	435		857	437	130	421	324	437	597	449	746	451	938	449
09	516	338	03	670	421		863	461	135	437	328	437	600	456	748	468	939	471
10	518	263	06	676	375	02	869	511	133	480	324	446	595	450	744	459	936	453
11	509	307	04	664	414		855	511	121	465	314	426	588	430	738	429	933	413
12	513	329	02	667	420		857	523	123	445	316	447	588	441	737	440	931	440
12	510	349	02	664	434		855	495	121	464	314	423	589	419	740	426	935	421
14	506	327	01	660	433		849	499	118	448	310	456	580	459	729	453	922	443
15	506	320	02	660	437		851	501	118	457	311	442	593	426	734	426	928	419
16	518	292		674	403		864	509	127	497	317	463	588	449	737	441	932	428
17	511	314	04	666	413		856	516	121	494	312	446	586	427	737	414	932	422
18	513	295	05	669	405		860	497	125	476	315	473	588	419	739	403	935	406
19	529	242	04	688	362	02	881	520	138	537	325	493	596	426	753	403	950	389
20	531	220	04	691	344	02	886	497	142	560	328	498	597	433	748	413	944	408
21	533	251	04	692	362		886	508	144	512	334	469	603	453	753	432	947	425
22	528	241		687	362		880	517	139	507	330	451	601	435	751	420	947	405
23	529	248		688	366		881	491	143	493	335	446	607	423	759	416	954	406
24	519	275		676	379		869	514	128	501	318	470	590	436	740	431	934	419
24	515	298		670	402		860	534	120	504	310	467	583	416	735	407	930	409
26	519	361	02	670	481		858	540	121	494	311	434	587	395	740	380	938	362
26	517	343	03	670	458		857	537	119	490	310	444	585	390	739	375	937	388
28	527	343	02	680	431		869	529	132	495	322	455	595	418	747	400	944	382
29	536	243		696	325	02	892	476	150	584	335	518	602	452	751	440	945	409
30	530	252		688	377		879	540	140	501	329	492	597	449	747	433	941	412
31	511	230		672	313	04	867	428	132	527	322	456	594	424	745	417	941	387
31	514	287	03	670	386		864	461	135	437	328	422	601	434				

Results of Radiosonde Observations,
TROPOPAUSE

DAVIS ISLAND, 1959

January

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01				
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13	762	334	598	1
14				
15				
16	854	289	566	1
17	722	347	550	1
18				
19				
20	683	365	535	1
21	827	300	587	1
22	821	300	554	1
23	823	300	585	1
24				
25				
26				
27				
28	914	270	590	1
29	899	271	552	1
30	884	270	574	1

February

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01	896	271	622	1
02				
03				
04	999	233	669	1
05	833	300	574	1
06	942	260	635	1
07				
08	871	278	631	1
09	908	262	630	1
10	872	280	606	1
11	878	276	587	1
12	914	264	614	1
13				
14	616	413	544	2
15				
16	869	275	624	1
17	813	300	633	1
18	860	283	672	1
19				
20	70:	366	600	1
21	905	265	665	1
22				
23	902	276	633	1
24	939	264	660	1
25	951	330	570	1
26	966	249	655	1
27	914	267	618	1
28	916	258	612	1
29	988	234	620	1
30	957	246	647	1
31	908	266	636	1

March

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01	969	239	644	1
02	945	248	627	1
03	866	287	676	1
04	1021	229	724	1
05	1009	235	679	1
06	1021	229	634	1
07	847	300	610	2
08	1018	227	643	1
09	863	288	611	1
10	921	261	596	2
11	753	337	554	2
12	957	241	638	1
13	1171	185	788	1
14	1189	176	800	1
15	1171	183	786	1
16	1198	172	808	1
17	1102	200	756	2
18	1085	200	765	1
19	94	227	684	1
20	1018	213	719	1
21				
22	939	246	707	1
23	951	239	692	1
24	808	300	664	2
25	911	259	662	2
26	905	262	670	1
27	933	250	667	2
28	960	236	656	2
29	966	235	700	1
30	966	236	720	2

April

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01				
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13	762	334	598	1
14				
15				
16	854	289	566	1
17	722	347	550	1
18				
19				
20	683	365	535	1
21	827	300	587	1
22	821	300	554	1
23	823	300	585	1
24				
25				
26				
27				
28	914	270	590	1
29	899	271	552	1
30	884	270	574	1

May

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01	896	271	622	1
02				
03				
04	999	233	669	1
05	833	300	574	1
06	942	260	635	1
07				
08	871	278	631	1
09	908	262	630	1
10	872	280	606	1
11	878	276	587	1
12	914	264	614	1
13				
14	616	413	544	2
15				
16	869	275	624	1
17	813	300	633	1
18	860	283	672	1
19				
20	70:	366	600	1
21	905	265	665	1
22				
23	902	276	633	1
24	939	264	660	1
25	951	330	570	1
26	966	249	655	1
27	914	267	618	1
28	916	258	612	1
29	988	234	620	1
30	957	246	647	1
31	908	266	636	1

June

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01	969	239	644	1
02	945	248	627	1
03	866	287	676	1
04	1021	229	724	1
05	1009	235	679	1
06	1021	229	634	1
07	847	300	610	2
08	1018	227	643	1
09	863	288	611	1
10	921	261	596	2
11	753	337	554	2
12	957	241	638	1
13	1171	185	788	1
14	1189	176	800	1
15	1171	183	786	1
16	1198	172	808	1
17	1102	200	756	2
18	1085	200	765	1
19	94	227	684	1
20	1018	213	719	1
21				
22	939	246	707	1
23	951	239	692	1
24	808	300	664	2
25	911	259	662	2
26	905	262	670	1
27	933	250	667	2
28	960	236	656	2
29	966	235	700	1
30	966	236	720	2

Results of Radiosonde Observations,
TROPOPAUSE

DAVIS ISLAND, 1959

July

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01	1000	223	756	2
02	57	236	735	2
03	1058	200	743	2
04	817	300	671	2
05	975	230	733	1
06	863	276	682	1
07				
08	1087	200	754	1
09	1158	173	798	2
10				
11	1063	200	727	2
12	78	235	753	2
13	1250	150	833	1
14				
15	908	261	684	2
16	1055	257	670	2
17	838	280	660	2
18				
19				
20	869	278	700	2
21	1082	191	752	2
22				
23	945	236	693	2
24	936	244	646	2
25				
26	1006	224	782	1
27				
28				
29	1073	204	760	1
30				
31	975	238	685	2

August

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01	1094	200	803	1
02	1079	204	816	1
03	22	266	693	2
04				
05				
06	1006	233	738	2
07	1149	184	810	1
08	1100	191	751	1
09	1167	168	780	2
10				
11				
12				
13	908	261	730	2
14				
15				
16	1069	200	792	1
17				
18	1065	200	806	2
19	1149	175	788	2
20				
21	1066	200	802	2
22				
23				
24				
25				
26	896	257	693	2
27				
28				
29				
30	887	256	701	2
31				

September

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01	1027	200	756	2
02				
03	887	265	708	2
04	936	238	761	2
05	908	264	735	2
06	1042	200	815	1
07	893	256	708	2
08				
09				
10				
11				
12	1036	216	664	1
13	69	241	698	1
14				
15				
16				
17				
18				
19	1040	200	730	2
20	60	229	738	1
21	72	222	736	2
22	57	230	721	2
23	774	317	675	2
24				
25				
26	1201	170	832	1
27	1107	200	766	1
28	1090	200	767	1
29	1087	200	724	2
30	1146	182	790	1

October

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01	1018	223	730	2
02	98	230	684	2
03	1079	200	722	1
04	1000	228	734	2
05	1083	200	752	2
06	1207	163	787	1
07	1083	200	776	1
08	1083	200	776	1
09				
10	1055	200	778	1
11	60	233	735	2
12	1048	200	761	1
13	884	268	649	2
14	1076	200	712	1
15	85	233	686	2
16				
17	1113	200	742	2
18	1033	218	700	2
19	1073	203	767	1
20	1103	189	760	1
21	918	256	693	2
22	1069	200	670	2
23	1335	135	796	1
24	1109	200	747	1
25	1069	200	740	1
26	97	223	734	2
27	1018	217	760	1
28	94	224	714	2
29	942	245	731	1
30	954	244	715	1
31	954	244	715	1

November

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01	1000	225	736	1
02	27	255	719	2
03	1018	221	740	1
04	1021	218	675	1
05	42	252	673	1
06	834	300	600	2
07	963	243	677	1
08	825	300	626	2
09				
10	1003	230	689	1
11	1061	212	731	1
12	1131	187	791	1
13	1061	208	753	1
14	1079	200	690	1
15				
16	969	236	694	1
17	936	246	652	1
18	1009	224	676	2
19	94	232	623	1
20				
21	985	229	649	1
22	799	312	599	2
23	887	269	640	1
24	762	330	595	1
25	936	253	641	1
26	933	254	627	1
27	857	286	617	2
28	836	300	596	2
29	988	240	592	2
30	899	278	601	1

December

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01	811	316	548	2
02	914	269	560	1
03	851	300	587	2
04	802	320	496	2
05	881	288	567	2
06	732	367	444	2
07	823	320	494	2
08	777	340	495	2
09	865	300	534	2
10	722	366	459	2
11	988	246	580	1
12	978	247	572	1
13	793	325	562	2
14	845	300	564	1
15	945	256	612	1
16	902	278	591	2
17	948	254	595	1
18	774	333	563	2
19	762	343	520	2
20	991	245	565	1
21	1030	238	625	1
22	1049	230	625	1
23	1103	210	636	1
24	1067	222	661	1
25	1058	228	639	1
26	57	263	604	2
27	82	254	586	1
28				
29	756	357	450	2
30	1149	200	634	1
31	1076	221	589	2

Results of Radiosonde Observations,
TROPOPAUSE

MACQUARIE ISLAND, 1959

January

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01	799	337	505	1
02	969	262	599	1
03	975	265	597	2
04	1131	217	649	1
05				
06	1192	200	617	1
07	1012	252	484	1
08	02	300	485	1
09	1169	200	579	1
10	1033	245	585	1
11	1076	240	599	1
12	97	260	591	1
13	786	344	518	1
14	1036	237	520	1
15	1151	200	504	1
16	1174	200	631	1
17				
18	1052	243	552	1
19	1186	208	604	1
20				
21	936	282	542	1
22				
23				
24				
25	1052	233	510	1
26	864	300	534	1
27	982	252	563	1
28				
29				
30	1164	200	542	1
31	1042	237	569	1

February

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01	850	288	485	1
02	808	334	462	2
03	1088	224	556	2
04	880	300	508	1
05	991	260	546	1
06	1067	232	536	2
07	39	277	519	1
08	774	342	479	1
09	872	300	512	1
10				
11	1113	220	624	1
12	1178	200	544	1
13	1265	178	680	1
14	1143	217	594	2
15	1128	218	570	2
16	847	315	529	1
17	1012	257	540	1
18	719	351	466	1
19	823	316	511	2
20	854	309	529	1
21	1174	200	616	1
22	966	264	549	1
23	1161	200	579	1
24	985	259	549	1
25	960	266	553	1
26	741	354	502	1
27	759	348	531	1
28				

March

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01	1006	253	582	2
02	875	300	562	2
03	1088	225	636	1
04	1183	200	611	1
05	1190	200	634	1
06				
07				
08	1152	206	629	1
09	747	359	468	1
10	914	281	545	1
11	1184	200	643	1
12	1036	253	541	1
13	1116	224	535	2
14	876	300	466	1
15	1006	253	578	1
16	756	350	443	1
17	886	300	431	2
18	963	262	547	2
19	1073	225	632	1
20	1277	169	695	1
21	1195	192	640	1
22	1012	257	514	1
23	667	400	465	2
24	963	264	568	1
25	1027	240	561	1
26	1076	222	614	1
27	36	272	576	2
28	1113	218	660	1
29	1149	210	636	1
30	921	300	535	2
31	1174	200	647	1

April

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01	1207	200	607	1
02	1222	192	671	1
03	982	264	496	2
04	1052	233	539	1
05	21	282	564	1
06	78	261	603	1
07	1323	160	683	1
08				
09	1180	200	582	1
10	893	300	438	2
11	1009	252	598	1
12	1085	227	618	2
13	1015	250	611	2
14	885	300	539	1
15	880	300	522	1
16	1097	220	659	1
17	887	300	519	1
18	873	300	500	1
19	888	300	571	1
20	1140	208	634	1
21	1359	150	680	1
22	793	346	450	1
23	1094	225	614	1
24	1079	224	638	1
25	869	300	548	1
26	722	357	488	1
27				
28	1081	252	550	1
29	869	316	382	1
30	861	300	501	1

May

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01	870	300	573	2
02	966	264	612	1
03				
04	1052	240	619	2
05	1073	231	636	1
06	1125	214	691	1
07	1149	200	686	1
08	854	300	473	2
09	1088	218	652	1
10	1036	237	638	2
11	858	300	452	2
12	1151	200	711	1
13	1119	212	656	1
14	866	300	515	1
15				
16	1049	237	648	1
17	1157	200	707	1
18	1055	235	643	2
19	1049	235	632	1
20				
21	555	460	395	2
22	838	300	501	1
23	783	328	514	1
24	729	366	496	2
25	994	252	612	1
26	951	258	569	3
27	849	300	514	1
28	876	300	539	1
29	1024	241	633	1
30	1079	223	698	1
31	1070	227	675	1

June

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01	1091	220	681	1
02				
03	1152	200	690	1
04	882	300	560	2
05	939	270	619	1
06	1103	215	712	1
07				
08	1052	228	655	1
09	852	300	566	1
10	853	300	599	2
11				
12				
13				
14	914	271	580	1
15	1009	243	630	1
16	82	248	602	2
17	1015	243	644	1
18	875	300	541	2
19	1015	242	640	1
20	634	427	455	2
21	1000	244	680	1
22	1164	192	730	1
23				
24	1094	217	656	1
25	1116	216	695	1
26	862	300	517	1
27	1036	234	667	1
28	1055	231	644	1
29	1018	242	652	1
30	82	252	652	1

Results of Radiosonde Observations,
TROPOPAUSE

MACQUARIE ISLAND, 1959

July

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01	854	300	598	1
02	854	300	561	2
03	851	300	630	1
04	982	250	652	1
05	982	248	686	2
06				
07	924	270	642	1
08				
09	1126	200	745	1
10	1340	150	702	2
11	918	280	617	1
12	869	300	617	2
13	908	290	638	1
14	851	300	608	1
15	657	400	550	2
16	1003	242	687	1
17	1015	235	622	1
18	840	300	521	1
19	1000	241	665	1
20	1143	200	753	1
21	1154	200	725	2
22	1241	173	792	1
23	1162	200	737	1
24	1225	179	760	1
25	1262	170	751	1
26	1134	196	721	1
27	1113	208	651	1
28	1064	222	601	1
29	899	280	646	1
30	838	300	593	1
31	963	254	626	1

August

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01	960	258	656	1
02	939	270	613	2
03	957	255	545	1
04	969	256	655	1
05	969	255	663	2
06	855	300	600	1
07	997	250	652	1
08	1055	228	677	1
09	1132	200	761	2
10	841	310	533	1
11	1015	241	667	1
12	1003	249	645	2
13	866	300	576	1
14	835	316	554	2
15	975	262	655	1
16	1036	237	664	1
17	1015	242	697	1
18	94	249	667	2
19	1088	212	702	1
20	1039	235	577	1
21				
22	1067	224	664	2
23	862	300	525	2
24	1055	230	675	1
25	854	300	578	1
26	969	253	663	1
27	966	245	572	2
28	1085	212	754	2
29	1161	194	708	1
30	951	255	587	1
31	1139	200	793	1

September

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01	1210	180	761	1
02	991	246	669	2
03	1140	200	736	1
04	1106	207	684	1
05	905	270	604	2
06	1070	212	671	1
07	1130	200	683	1
08	1131	200	686	1
09	1228	176	698	1
10	1141	200	719	1
11	1052	214	625	1
12	1125	200	700	1
13	991	241	639	1
14	732	356	550	1
15	1021	234	609	1
16	1030	235	655	1
17	864	300	518	1
18	867	300	559	1
19	868	300	563	2
20	1003	242	610	1
21	1018	245	651	1
22	1012	247	653	1
23	66	256	628	1
24	1135	200	652	1
25	1097	214	697	1
26	1124	200	724	1
27	985	254	658	2
28	988	242	721	1
29	744	345	586	2
30	887	278	678	1

October

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01	960	252	663	1
02	716	358	523	1
03	851	300	588	2
04	994	248	608	1
05	1036	232	656	1
06	1061	227	641	1
07	1073	232	613	2
08	1106	216	669	1
09	951	268	542	1
10	817	316	568	1
11	975	254	597	1
12	873	300	510	2
13	1006	249	611	1
14	1030	247	630	1
15				
16	1166	200	681	1
17	1070	228	658	2
18	1027	235	664	1
19	1147	200	702	1
20				
21				
22	1228	176	722	1
23	1009	248	629	2
24	1015	250	599	1
25	39	259	645	1
26	868	300	571	1
27	1152	200	652	1
28	874	300	539	1
29	1153	200	667	1
30	1091	220	668	1
31	1046	238	634	1

November

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01	905	290	582	1
02	1106	215	700	1
03	1125	215	688	1
04				
05	783	332	536	1
06	908	276	573	1
07	753	345	540	1
08	924	262	595	1
09	978	250	610	1
10	1235	174	660	1
11	1147	200	619	1
12	619	424	451	1
13	872	300	544	2
14	994	252	555	1
15	1064	241	626	2
16	1027	240	610	1
17	866	288	564	1
18	710	370	451	1
19				
20	1157	200	655	1
21	902	288	506	1
22	927	274	472	1
23	725	363	511	2
24	1122	214	603	1
25	1006	254	601	1
26	1027	244	573	1
27	1070	230	631	1
28	1018	250	588	1
29	1073	230	567	1
30	78	262	571	1

December

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01	1091	225	654	2
02	1024	250	621	2
03	1055	234	604	1
04	1079	233	603	2
05	1046	240	610	1
06				
07	1027	240	542	1
08	1015	245	570	1
09	1046	239	609	1
10	63	270	560	2
11	1055	260	570	2
12	1046	240	598	2
13	1058	232	644	1
14	1018	250	591	1
15	1024	246	609	1
16	1100	223	644	1
17	1170	200	710	1
18	1152	206	649	1
19	1164	200	642	1
20	927	285	521	1
21	1006	256	569	1
22	1172	200	594	1
23	1106	222	627	1
24	1027	252	574	1
25	1042	248	575	1
26	1067	239	594	1
27	1085	230	618	2
28	1018	250	578	2
29	1170	200	693	2
30	1146	208	677	1
31	726	354	483	2

January

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01	855	297	559	1
03				
04				
05				
06	968	254	614	1
07				
08				
09	821	308	536	1
10				
11				
12				
13	793	324	541	2
14				
15				
16	856	300	522	3
17				
18				
19				
20	722	365	484	2
21				
22				
23	927	280	531	1
24				
25				
26				
27	774	340	491	1
28				
29				
30				
31				
31				

February

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01				
03	802	323	505	2
04				
05				
06	848	300	432	1
07				
08				
09				
10	884	289	541	1
11				
12				
13	826	310	553	1
14				
15				
16				
17				
18				
19				
20	851	300	483	2
21				
22				
23				
24	844	300	533	2
25				
26				
27	845	300	546	2
28				
28				

March

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01				
03				
04				
05				
06	823	313	545	1
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24	860	270	560	1
25				
26				
27				
28				
29				
30				
31				
31				

April

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17	808	303	525	1
18				
19				
20				
21	738	214	495	1
22				
23				
24				
25				
26				
27				
28	1128	200	553	1
29				
30	701	363	524	2
30				

May

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01				
03				
04				
05	1291	150	593	1
06				
07				
08				
09				
10				
11				
12				
13				
14				
15	817	300	547	1
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26	1089	200	622	1
27				
28				
29	884	280	655	2
30				
31				
31				

June

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12	1158	256	624	1
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
30				

Results of Radiosonde Observations,
TROPOPAUSE

MAWSON 1959

July

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
31				
31				

August

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
31				
31				

September

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
30				

October

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20	1242	150	733	1
21				
22				
23	1257	150	716	1
24				
25				
26				
27	1106	180	800	2
28				
29				
30	1237	150	694	1
31				
31				

November

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01				
03	1246	150	697	1
04				
05				
06				
07				
08				
09				
10	1213	170	710	1
11				
12				
13				
14				
15				
16				
17	1243	150	658	1
18				
19				
20				
21				
22				
23				
24	1113	190	607	1
25				
26				
27				
28				
29				
30	699	080	546	1
30				

December

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01				
03				
04				
05				
06				
07				
08				
09				
10				
11	1129	200	506	1
12				
13				
14				
15	957	250	547	2
16				
17				
18	887	280	615	1
19				
20				
21				
22				
23				
24				
25	710	240	613	1
26				
27				
28				
29				
30				
31				
31				

Results of Radiosonde Observations,
TROPOPAUSE

WILKES 1959

00 GMT

January

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01				
03	711	368	431	1
03				
04	659	400	458	1
06	1080	224	603	1
06	727	366	452	1
07	1106	220	599	1
09	862	306	472	1
09	815	326	483	1
11	1066	228	583	1
11	758	348	477	1
13	763	345	456	2
13	700	380	422	1
14	816	316	537	1
16	798	324	538	2
17	770	337	526	2
17	649	400	451	1
19	921	274	513	2
19	839	307	520	1
20	820	310	514	1
21	796	320	521	1
23	739	345	506	1
24				
25	833	304	533	1
25	772	331	514	1
26	858	296	526	1
27	810	317	511	1
28	1060	225	610	1

February

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01	751	352	490	2
02	859	300	553	1
03	1002	245	583	1
04				
06	778	331	544	1
06				
07	780	332	514	1
08	940	261	561	1
09				
10	878	292	504	1
11	740	349	487	1
12	664	391	422	1
14	1007	248	554	1
14	87	250	560	1
16	1057	231	561	1
16	810	320	478	1
17	1000	246	572	1
19	1030	234	612	1
19	1032	235	619	1
20	85	246	565	1
21	711	357	442	1
22	834	299	514	1
23	768	338	479	2
24	1049	227	637	1
25	66	257	597	1
26	1049	229	596	1
28	845	306	511	1
29	856	300	537	1
30	790	323	557	1
31	799	321	507	2
31	722	359	510	1

March

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
02	910	272	517	1
03	842	307	525	1
04	880	291	602	1
05	950	259	623	1
06	964	261	623	1
07	890	283	603	1
08	937	260	545	1
09	885	283	552	1
10	851	306	520	1
11	840	307	542	1
12	899	286	538	1
13	1020	236	544	1
14	53	262	541	
15	1035	232	607	1
16	1015	275	569	1
17	820	308	538	1
18	905	270	584	1
19	839	295	590	1
20	903	267	588	1
20				
22	986	239	667	1
23	960	249	655	1
24	952	254	621	1
25	912	268	628	1
26	892	279	580	1
27	839	300	564	1
28	777	328	519	1
29	756	333	529	1
30	990	238	588	1
30	733	346	516	1

April

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
02	1013	230	624	1
03	47	253	614	1
04	827	306	536	1
05	849	287	577	1
05	849	290	555	1
07	872	282	586	1
08	956	254	617	1
09	807	312	544	2
10	880	274	624	1
11	889	274	583	1
12	850	292	545	2
13	698	363	509	2
14	1064	215	633	1
15	834	304	597	2
16	845	293	572	1
17	879	274	590	2
18	854	285	598	2
19	816	311	570	2
20	1003	239	650	1
20				
22	1074	219	682	1
23	1006	240	640	2
23	11	268	607	1
24				
26	740	346	562	1
27	1050	223	637	1
28	01	278	526	1
29	72	248	589	1
30	910	269	601	1
31	839	298	622	1
31	760	338	598	2

May

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
02	975	243	675	1
02				
03				
05	1001	232	729	1
06	56	254	641	2
07	20	260	615	1
08	810	306	582	
08				
10	830	301	572	2
11	752	342	559	1
12	1155	188	729	1
13	795	319	566	1
14	939	254	564	1
15	857	285	573	2
16	971	236	629	1
17	740	342	598	1
18	960	237	646	2
19	929	251	622	
20	955	244	689	1
21	880	276	677	2
22	861	286	653	2
23	754	332	597	1
24	961	243	667	2
24				
26	923	264	647	1
27	960	247	661	1
28	958	249	624	2
29	1007	232	699	1
30	1033	218	727	1
30				

Results of Radiosonde Observations,
TROPOPAUSE

WILKES 1959

00 GMT

July

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
02	842	290	653	2
03	860	280	653	2
04	1050	222	683	2
05	50	240	712	1
06	1072	208	752	1
07	1029	221	671	1
08	1087	210	758	1
09	38	256	653	2
10	1043	216	662	2
11	1176	175	817	1
11				
13	1108	193	755	2
14	1105	190	760	2
15	842	282	642	1
16	770	313	603	2
17	825	290	611	2
18	844	285	655	2
19	1144	173	732	1
20	948	242	676	2
21	949	241	662	2
22	1022	214	686	2
23	1075	196	704	2
24	1053	203	725	1
25	55	237	674	2
26	808	299	619	2
27	801	308	586	2
28	1445	108	735	1
29	973	239	669	2
30	959	247	691	1
31	1100	201	726	1
31	1030	220	724	1

August

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
02	1356	241	656	1
03	1373	223	673	1
04	925	264	697	2
05	1083	203	782	1
06	1123	192	793	2
07	1164	178	827	1
08	1200	160	692	1
09	1020	215	668	1
10	791	318	628	2
11	1033	219	730	1
12	1133	182	765	1
13	1056	207	749	1
14	1060	206	682	1
15	1095	193	749	1
15	888	272	678	2
17	1100	199	782	1
17	1000	228	679	2
18				
20	999	225	696	1
21	1149	180	736	1
21	1073	202	761	2
22	1080	193	759	2
24	82	228	769	1
25	1177	164	774	1
26	1144	175	819	1
27	1008	216	749	1
28	56	119	737	2
29	41	240	658	2
30	1028	208	693	1
30				
31	855	270	684	2

September

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01				
03	985	224	740	2
04	1012	212	750	3
05	27	245	727	2
05	837	284	656	2
07	1061	192	673	2
08	1050	194	692	1
09	1070	188	673	1
10	1135	170	674	1
11	1082	202	763	1
12	1160	175	597	1
13	985	233	613	1
14	885	267	624	1
15	885	263	676	1
16	835	289	633	2
16				
18	906	262	623	2
19	897	258	691	2
19	814	295	649	2
21	945	240	685	2
22	847	280	680	2
23	981	226	704	2
24	940	242	729	2
25	1050	200	738	2
26	05	253	672	2
26	897	266	710	1
28	1052	215	687	2
29				
30	1040	214	679	1
30	1020	224	636	2

October

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
02	773	329	604	2
03	1113	196	734	2
04	970	244	579	1
05	1010	234	635	2
06	1120	195	734	1
07	1027	221	723	2
08	1032	217	694	1
09	1024	224	695	2
10	1053	212	664	1
11	1101	191	667	1
12	913	257	632	2
12				
14				
15	967	234	679	1
16	880	271	637	1
17	1149	180	688	1
17	1130	193	734	1
19	919	268	607	1
20	1358	131	686	1
20				
21				
23	970	239	673	2
24	1202	164	751	1
24				
26	1083	198	733	1
27	60	241	661	2
28	1051	211	714	1
29	1065	204	720	1
30	940	251	651	1
31	1020	226	730	2
31				

November

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01				
02				
03	1025	223	651	2
05	1118	191	647	1
06	1035	220	669	1
06	95	238	624	2
07	811	314	566	1
09	918	262	601	1
10	916	259	646	1
11	914	255	600	1
12	804	304	570	1
13	722	344	536	1
14	910	261	559	1
14	764	326	570	2
16	830	292	577	2
17	923	252	623	1
18	902	264	643	1
19	942	248	636	1
20	991	229	592	2
21	905	268	568	2
21	745	338	532	2
23	845	294	577	2
24	920	261	572	2
25	800	314	555	1
26	828	305	548	1
27	1090	208	625	1
28	855	299	557	2
28	791	329	515	2
30	1018	231	619	1
30	97	237	618	1

December

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01	918	262	621	2
03	957	261	545	1
04	855	299	555	1
05	1037	236	587	1
05	870	298	525	1
07	852	308	483	2
08	677	392	442	1
09	816	324	445	1
10	910	281	539	1
11	863	296	515	2
12	918	273	531	1
12	892	283	487	1
14	817	315	503	1
15	851	300	501	2
16	941	267	547	1
17	837	309	517	1
18	922	272	525	1
19	991	253	592	2
20	1056	230	611	1
21	1020	243	598	1
22	85	254	604	1
23	70	261	456	2
24	73	255	576	1
24	18	274	558	1
26	01	280	569	1
26	891	284	544	1
28	937	270	547	1
29	1101	216	613	1
30	900	290	559	1
31	1073	219	557	1
31	749	357	442	2

Results of Radiosonde Observations,

TROPOPAUSE

WILKES 1959

11 GMT

January

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01				
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
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14				
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24				
25				
26				
27				
28				
29				
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31				

February

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01	851	301	469	1
02				
03				
04	620	420	481	1
05	772	337	501	1
06	1014	248	564	1
07	1139	210	614	1
08	877	306	459	2
09	861	303	488	1
10	1021	243	558	1
11	721	367	450	1
12	750	353	454	1
13	936	272	458	1
14	864	296	530	1
15	827	312	560	1
16	800	324	516	1
17	719	361	500	1
18	851	300	500	1
19	887	287	525	1
20	691	378	476	1
21	843	298	560	1
22	738	349	492	1
23	641	400	461	2
24	643	400	502	2
25	812	314	534	2
26	760	340	496	1
27	806	319	520	1
28	944	264	516	1

March

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01	885	290	527	1
02	878	292	544	1
03	936	268	574	1
04	865	299	553	1
05	770	337	527	1
06	808	317	570	1
07	757	343	532	1
08	881	287	572	1
09				
10				
11	884	287	467	1
12				
13	720	365	417	2
14	930	275	533	1
15	1060	232	580	1
16	08	281	517	1
17	853	303	472	1
18	1080	220	618	1
19	1029	236	594	1
20	1054	224	623	1
21	830	305	477	2
22	672	378	454	2
23	742	345	483	2
24				
25	960	259	613	1
26	968	256	568	1
27	975	254	558	1
28	907	278	527	1
29	841	305	562	1
30	795	320	571	1
31	772	335	513	1

April

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01	861	288	534	1
02	761	346	500	1
03	911	279	577	2
04	840	307	580	1
05	917	273	626	1
06	916	274	608	1
07	866	292	573	1
08	899	274	551	1
09	979	249	571	1
10	764	348	520	1
11	856	300	542	1
12	780	337	503	2
13	1012	240	610	1
14	46	263	580	1
15	1004	239	627	1
16	1019	230	570	1
17	877	284	564	2
18	863	287	599	2
19	858	287	584	1
20	920	262	614	1
21	990	238	675	1
22	980	242	680	1
23	959	250	638	1
24	962	260	609	1
25	903	273	617	1
26	863	292	575	1
27	815	311	540	1
28	732	346	523	2
29	775	324	530	1
30	867	285	547	1

May

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01	999	237	607	1
02	887	279	592	1
03	832	303	570	2
04	927	260	597	1
05	820	300	602	1
06	767	329	566	1
07	850	296	558	2
08	1035	224	605	2
09				
10	851	288	622	1
11	972	244	623	1
12	755	331	526	1
13	839	298	502	1
14	1011	233	632	1
15	704	364	548	1
16	833	296	606	1
17	820	300	596	2
18	748	340	594	2
19	815	315	566	1
20				
21				
22	1107	207	690	1
23	961	252	627	1
24	880	280	623	2
25	870	280	586	2
26	733	352	551	1
27	1025	236	661	1
28	1102	231	586	1
29	733	357	524	1
30	941	256	639	2
31	756	337	600	1

June

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01	754	338	616	1
02				
03				
04	1029	227	725	1
05	41	255	677	1
06	03	268	627	1
07	00	265	624	1
08	757	333	540	1
09				
10	840	294	596	1
11	1137	189	665	2
12	889	276	564	2
13	947	253	588	1
14	1289	145	644	1
15	912	262	594	2
16	782	320	615	2
17	831	293	631	1
18	863	277	620	2
19	969	238	637	2
20	945	247	661	1
21	1056	207	708	1
22				
23	771	322	563	2
24				
25				
26	1011	227	686	2
27	10	268	613	1
28	973	243	655	2
29	1015	228	702	1
30				

Results of Radiosonde Observations,
TROPOPAUSE

WILKES 1959

11 GMT

July

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01				
02	801	310	630	1
03	1018	219	678	2
04	31	248	686	2
05	1010	223	702	1
06				
07	981	244	697	1
08	1139	190	784	1
09	1073	205	650	1
10	1170	177	799	1
11	1231	158	824	1
12				
13	1179	171	810	1
14	911	257	656	1
15	869	267	649	1
16	824	287	618	1
17	909	254	663	1
18	814	301	650	2
19	987	225	690	2
20	939	246	662	2
21	1031	211	702	2
22	1080	194	707	1
23	1067	198	726	1
24	72	232	687	2
25	870	271	638	2
26	810	302	598	2
27	951	242	624	1
28	1229	156	707	2
29	999	230	701	1
30	1001	234	708	2
31	1081	208	736	1

August

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01	1105	203	714	1
02	1011	230	628	2
03	1014	228	721	1
04	1081	205	790	1
05	1064	210	761	1
06	1195	171	833	1
07	1260	146	764	2
08	1380	118	752	2
09	1055	203	679	1
10				
11	1068	206	742	2
12	1143	178	187	1
13	1049	209	727	1
14				
15				
16	1123	184	750	1
17	999	230	688	1
18	1175	175	785	1
19	1009	220	690	2
20	1022	219	709	1
21	1198	164	793	2
22	1111	184	748	3
23	1056	200	758	1
24	22	252	718	1
25	1105	187	802	2
26	1101	185	805	1
27	958	235	709	2
28	885	264	669	2
29	960	231	674	2
30	973	228	694	3
31	891	252	663	3

September

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01	943	232	706	3
02	833	280	665	2
03	998	218	748	2
04	1039	202	762	2
05	879	265	727	2
06	980	223	677	2
07	1228	145	727	2
08	911	245	660	1
09	940	232	653	2
10	967	232	667	2
11	1148	184	731	1
12	786	316	576	2
13	851	274	630	1
14	794	260	647	2
15	919	248	688	1
16	1018	221	683	1
17	1073	207	651	1
18	1023	211	680	1
19	14	246	702	1
20	37	245	711	1
21	1015	215	710	2
22	829	289	686	2
23	1018	213	736	2
24	1064	194	764	3
25	1012	212	720	1
26	1193	158	734	1
27	1009	228	705	1
28	1148	185	745	1
29				
30	1166	174	678	2

October

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01				
02	1184	172	695	2
03				
04	1009	230	598	1
05	1107	200	730	1
06	1094	201	753	1
07	1051	211	729	1
08	1002	230	679	2
09	1077	205	677	2
10	1004	230	700	1
11	17	257	657	2
12	1057	205	704	1
13	819	298	634	2
14	952	242	672	2
15	960	236	657	2
16	996	228	653	2
17	1118	193	692	2
18	1119	196	720	1
19	860	292	587	2
20	1048	220	695	1
21	1070	204	677	1
22				
23	1070	206	715	2
24	1035	216	702	1
25	1155	176	762	1
26	1012	222	704	1
27	1036	214	706	1
28	1006	224	695	3
29	1032	216	724	1
30	1073	205	724	1
31	1110	194	742	1

November

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01				
02				
03				
04	1004	230	518	1
05	1010	228	629	1
06	36	261	611	2
07	1051	217	617	2
08	848	295	583	1
09	872	281	645	2
10	820	298	604	2
11	724	344	555	2
12	670	377	521	2
13				
14	727	347	546	2
15	810	304	582	1
16	819	296	584	2
17	921	254	623	2
18	913	257	632	2
19	915	258	622	2
20	819	303	552	2
21	754	339	520	2
22	813	306	583	1
23	1025	225	585	2
24	00	267	607	1
25				
26	759	340	517	2
27				
28	778	331	516	2
29	1009	237	624	1
30	49	253	602	1

December

DAY	GEO-POTENTIAL	PRESSURE	TEMPER-ATURE	TYPE
01	955	249	624	1
02	817	313	577	1
03	889	281	524	1
04	910	279	560	1
05	999	251	569	1
06	1010	244	578	1
07	747	361	441	2
08	837	313	482	2
09	873	298	487	2
10	835	313	500	1
11	844	304	520	1
12	818	318	507	2
13	824	315	530	2
14	758	344	499	1
15	893	284	534	1
16	938	267	572	2
17	993	244	537	1
18	929	272	517	2
19	989	255	603	1
20	1050	232	616	1
21	78	258	575	1
22	1023	242	600	1
23	1020	241	561	1
24	74	254	570	2
25	00	280	528	1
26	798	330	545	2
27	720	371	511	2
28	927	282	541	2
29	1156	200	670	2
30	841	312	498	1
31	750	356	414	2

Results of Upper Wind Observations,
DAVIS 1959

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	02	00	01	08	04	16	06	07	10	07	14	05	27	03										
	03	00	03	12	04	10	08	07	11	05	21	02												
	04	00	06	06	04	05	05	14																
	05	00	15	12	17	11	21	24	20	20	21	22	22	24	23	14								
	06	00	14	02	17	01	24	13	24	13	23	14	24	22	24	40								
	07	00	22	07	20	10	21	05	23	06	21	04	27	04										
	08	00	34	02	02	11	05	08	04	09	02	10	32	11										
	11	00	04	04	04	05	05	06																
	12	00	36	07	33	01	22	02																
	13	00	20	03	06	03	08	06	09	05														
	14	00	04	10	03	11	05	16																
	15	00	05	05	05	06	06	03	06	03	08	08	13	04	14	05	13	09	13	18				
	16	00	02	08	04	05	05	01	08	01	01	09	01	05	23	05	20	20						
	17	00	12	08	21	03	24	03	20	06	23	08	21	08	20	08	20	12	21	11				
	18	00	06	07	06	05																		
	19	00	03	12	02	18	08	15	04	18	08	07												
	21	00	01	04	31	02	18	06																
	22	00	13	17	14	14	17	16	21	21	21	26	21	32	22	46								
	23	00	10	07	03	11	05	14	07	08	17	07												
	24	00	02	06	05	07	07	02	17	09	21	11	20	05	16	07								
	28	00	03	09	04	20	05	37																
	29	00	04	06	03	08	03	21	05	10	03	07												
	30	00	03	09	04	13	05	16	05	17	05	14	05	10	23	14								
	31	00	04	16	06	15	05	28	06	24	08	10												
2	01	00	05	02	03	20	05	17	02	14														
	02	00	06	04	05	22	04	12	04	14	07	04	24	05										
	03	00	03	06	05	15	04	19	04	14														
	04	00	05	03	05	18	05	20	06	11	06	03	24	02	28	19	30	23	31	26	29	33		
	05	00	20	06	20	07	09	15																
	06	00	04	21																				
	07	00	03	16																				
	08	00	04	08																				
	09	00	06	04																				
	10	00	06	15	05	18	05	42	04	31														
	11	00	03	04																				
	12	00	03	09																				
	13	00	04	03																				
	14	00	02	10																				
	15	00	03	08																				
	16	00	03	05	03	12																		
	17	00	05	10	05	20																		
	18	00	10	07	05	06	35	04																
	19	00	09	02	04	08	02	08	05	02	14	05	12	02	02	05	02	05	01	06	10	02	19	19
	20	00	13	02	06	07	04	09	03	06														
	21	00	04	06	05	10																		
	22	00	10	06	07	10	04	10	16	06	20	07	22	18										
	23	00	05	10	06	15	04	20																
	24	00	05	04																				
	25	00	14	03	08	05	03	11																
	26	00	10	07	04	06																		
	27	00	11	04	18	05	22	05																
	28	00	05	06	03	11	07	10	07	07														
3	01	00	04	05																				
	02	00	11	05	15	08	26	05																
	03	00	05	32																				
	04	00	05	26																				
	05	00	09	04	10	03																		
	06	00	11	05	13	02																		
	07	00	03	11	03	10																		
	08	00	03	19																				
	09	00	04	25																				
	10	00	14	05	16	04	16	09	18	15	17	12	15	09										
	11	00	11	03	05	20	04	26	06	13	04	10	08	01	22	14								
	12	00	10	05	07	15	02	04																
	13	00	04	03	04	13	04	20																
	14	00	04	10																				
	15	00	06	21																				
	16	00	05	15																				
	17	00	05	14																				
	18	00	07	13	05	23	04	35	05	15														
	19	00	12	06	05	05	05	22																
	20	00	10	04	02	06	03	11																
	21	00	02	07	03	08																		
	22	00	06	10	28	07	24	04	15	04														
	23	00	04	10	05	13	04	17	04	19	07	13	06	11										
	24	00	09	17																				
	25	00	03	30																				
	26	00	06	28																				
	27	00	08	24	08	12																		
	28	00	08	34																				
	29	00	04	24																				
	30	00	06	10																				
	31	00	10	03																				

Results of Upper Wind Observations,
DAVIS 1959

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	01	00	04	02	08	14	07	22																
	01	12																						
	01	23	03	06	04	15	04	11	04	05	25	08	25	14										
	02	12																						
	02	23	05	05																				
	03	12																						
	03	23	02	05	05	07	08	06																
	04	12																						
	04	23	05	02	05	09	04	10	04	06	05	04												
	05	12																						
	05	23	08	03	06	09	07	18	09	18	12	03	11	02	18	10								
	06	12																						
	06	23	08	01	05	13	04	19	07	04														
	07	12																						
	07	23	34	09																				
	08	12																						
	08	23	07	03			06	09	04	10	04	11	01	12	35	22	35	22	35	19	29	09	24	16
	09	12																						
	09	23	14	04			07	08	05	36	04	26	03	27	36	07	28	19	25	77	25	79		
	10	12																						
	10	23	07	02																				
	11	12																						
	11	23	07	10	06	13	06	11	06	11	15	09	20	11	24	16	27	23	26	52				
	12	12																						
	12	23	11	04																				
	13	12	04	23	07	27	06	27	06	43	07	23	05	07	05	16	02	10	01	15	32	13	28	15
	13	23	13	04	12	12	04	24	35	47	12	43	08	33	06	18	04	06	12	17	26	11	25	10
	14	12	04	21	07	13	04	14	06	14	08	06	02	05	32	05	34	06	30	06	25	08		
	14	23	33	40																				
	15	12	35	23	05	35	02	43	27	08	02	24	02	16	28	20	25	67	26	32	27	29	25	13
	15	23	36	15	14	20	09	16	34	08									24	66	26	32	25	44
	16	12	36	12	08	28	03	19	05	20	02	01	28	17	25	40	26	54	26	49	25	40	25	35
	16	23	35	22	05	08	02	12	01	10	03	13	15	05	35	27	27	33	32	42	21	24	29	56
	17	12	18	01	17	06	13	06	08	09	01	15	32	24	34	26	33	36	31	17	27	30	27	25
	17	23	11	03	14	16	04	32	02	34	04	20	33	33	01	38	01	37	36	53	35	21	26	26
	18	12	09	03	09	11	04	14	05	17	04	16	02	15	01	18	35	32	26	10	25	17	26	22
	18	23	09	06											02	20	03	09	07	05	27	11	26	20
	19	12	04	09	07	17	03	22	05	11	34	02	04	17	01	18	01	06	15	12				
	19	23	01	02									05	37	05	40	01	44	04	40	03	14	25	22
	20	12	05	05	07	17	03	15	06	16	07	22	08	18	07	20	07	25	05	11	27	09	26	16
	20	23	05	20	09	29	06	23	07	83	08	26	08	35	07	27								
	21	12	16	15	14	17	07	32	02	58	03	44	05	31	35	25	04	30	05	39	05	42	31	24
	21	23	11	04	07	12	03	24	08	09	28	09	07	07	05	15	06	21	05	19	04	12	27	14
	22	12	06	08	10	14	00	03	17	08	20	07	18	08	13	06	09	09	13	06	21	40	26	15
	22	23	36	16					04	15	29	07	27	10	31	05	32	05	18	03	36	01	29	08
	23	12	35	10	01	19	03	21	02	10	01	11	34	09	32	05	21	12	26	11	30	13	24	17
	23	23	35	09									31	03	23	09	28	08	24	15	24	19	25	12
	24	12	05	04	07	09	02	09	04	11	33	06	32	08	26	10	24	15	24	20	24	18	23	19
	24	23	08	05																				
	25	12	09	05	12	10	19	10	18	07	16	09	19	08	18	24	19	36	19	60	20	42		
	25	23	09	07	11	14	16	10	16	23	17	25	17	53	17	102								
	26	12	02	06	12	14	08	11	36	14	10	13	15	30	17	61	17	51						
	26	23	09	06	12	06	09	09	13	18	16	26	18	53	19	55								
	27	12	08	21	10	31	06	16	07	20	10	09	15	25	17	35	16	42	18	37	18	64	19	46
	27	23	08	06							12	13	15	16	17	17	21	29	23	26	23	34	24	32
	28	12	08	07	13	10	23	04	13	07	13	09	17	15	24	11	26	25	26	33	28	35	23	23
	28	23	04	03	04	15	06	30	08	27	07	14	19	24	20	16	23	13	25	23	26	39	24	26
	29	12	09	05	07	14	04	14	14	15	14	08	17	11	20	22	19	22	19	19	22	25	21	26
	29	23	07	08	08	30	03	21	04	20	08	14	20	18	21	18	21	37	22	49	22	42	22	19
	30	12	36	09	03	17	03	13	08	12	16	09	17	14	20	23	22	38	22	33	24	20	25	10
	30	23	11	03	11	23	09	09	06	07	04	36	03	09	25	09	26	22	25	35	30	19	25	15
5	01	12	03	32									03	10	32	26	30	37						
	01	23	04	07	02	18	06	40	04	61	04	42	03	52	07	27	02	22	36	24	33	14	33	02
	02	12	09	14	12	17	22	10	14	07	10	09	11	07	13	06	12	08	13	07	16	10	18	14
	02	23	08	06	09	11	06	17	07	11	08	10	13	14	15	15	14	22	14	39	15	30	16	33
	03	12	08	07	11	13	04	31	02	05	15	09	15	24	16	28	16	44	16	39	16	44		
	03	23	07	08	02	08	05	06	10	10	10	30	15	38	15	88								
	04	12	08	06	10	05	21	09	13	14	17	21	17	29	18	37	18	65						
	04	23	02	07	05	26	02	27	05	19	01	77	26	07	26	31	26	45	24	51	24	122		
	05	12	13	02	11	11	07	19	05	35	09	18	08	18	07	42	06	30	22	08	22	34	23	33
	05	23	06	07	03	18	02	15	03	08	10	06	14	03	23	25	22	18	23	32	24	61	23	69
	06	12	08	03	05	10	06	03	20	07	31	03	23	29	23	36	23	69	24	76				
	06	23	05	02	10	14	03	27	05	29	06	23	20	03	15	06	32	13	34	13	15	22	30	34
	07	12	02	22	06	38	06	46	02	19	03	23	03	23	05	25	04	35	07	33	07	35		
	07	23	02	37																				
	08	23	08	01	15	05	20	07	25	08	21	09	24	17	23	13	14	14	11	38	11	22	15	04
	08	13	11	02	06	05					32	23	19	24	32	02	07	09	09	16	12	13	25	07
	09	12	36	10	05	19	34	13	31	15	26	16	26	21	24	13	19	09	21	25	22	19	25	20
	09	23	29	05	04	14	01	26	36	31	08	08	07	27	29	35	36	46	36	66				
	10	12	09	02	09	10	02	20	34	08	27	09	31	34	27	18	26	15	27	18	23	18	26	30

Results of Upper Wind Observations,
DAVIS 1959

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	10	23	10	01	13	10	02	20	01	19	34	10	32	27	30	19	27	19	22	15	26	24	26	36
	11	12	16	03	17	19	03	16	04	18	01	13	29	17	27	18	25	36	25	41	26	29	25	37
	11	23	23	05	15	08	06	08	02	14	28	04	25	15	24	42	24	67	25	65	25	52		
	12	12	10	02			04	16	17	06	26	19	25	24	27	25	27	30	26	77	25	69	26	68
	12	23	21	01	15	14	04	39	06	26	04	26	02	25	32	31	28	50	28	98				
	13	12	05	46																				
	13	23	03	45																				
	14	12	03	37																				
	14	23	04	07	10	11	03	45	36	64	31	23	29	33	28	31	30	28	27	30	31	27	30	37
	15	12	04	17	06	27	03	24	01	13	03	10	02	07	34	08	31	20	30	19	29	22	28	32
	15	23	26	12											36	19	30	13	27	16	28	19	27	25
	16	12	03	08	34	03	30	06	30	12	26	12	25	25	25	42	24	30						
	16	23	08	01	08	05	07	15	06	14	26	14	27	34	27	30	26	28	27	15	27	09	28	16
	17	12	16	07	13	13	02	21	36	22	32	17	33	13	31	17	32	15	31	06	30	09	27	16
	17	23	12	04	09	11	02	18	01	20	01	21	36	19	32	25	21	16	30	15	29	08	29	10
	18	12	12	04	08	08	03	26	01	05	35	10	35	12	32	14	26	04	32	07	30	11	30	24
	18	23	07	11	10	20	06	31	04	47	05	37	06	26	06	25	04	30	32	36	35	22	26	25
	19	12	09	14	10	26	02	38	04	26	07	20	08	19	08	25	01	14	01	08	34	17	32	13
	19	23	09	18																				
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Results of Upper Wind Observations,
DAVIS 1959

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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Results of Upper Wind Observations,
DAVIS 1959

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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	17	12	07	38																				
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Results of Upper Wind Observations,
DAVIS 1959

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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Results of Upper Wind Observations,
DAVIS 1959

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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	07	23	05	19	03	30	35	16	30	13	28	09	26	21	24	36	24	40	25	47	26	52	28	43
	08	12	03	21	04	32	01	16	04	09	02	14	28	17	30	22	30	39	30	43	29	37	28	40
	08	23	05	12	05	16	03	20	01	12	05	13	28	12	27	06	28	13	28	15	27	22	25	25
	09	12	26	06	24	08	20	06	20	12	21	14	26	19	25	24	22	37	22	74				
	09	23	14	19	14	21	19	24	19	23	20	27	20	41	22	68								
	10	12	22	18	21	22	20	19	20	15	21	28	21	40	23	49								
	10	23	13	08	14	05	17	10	19	15	19	22	20	37	22	50	23	83						
	11	12	30	03	10	02	04	06	14	08	20	11	24	14	24	26	24	36	26	52	26	77		
	11	23	12	11	09	13	05	25	05	14	10	15	17	07	24	14	26	30	26	34	26	45	27	59
	12	12	26	03	01	03	06	15	07	26	09	03	05	05	28	07	29	15	28	27	28	36	28	51
	12	23	23	02	04	13	05	30	07	34	06	16	07	11	36	08	34	11	31	16	30	30	30	42
	13	12	27	04	26	05	08	39	06	40	07	18	08	22	04	18	01	22	01	24	36	35	33	30
	13	23	05	24	04	52	04	42	04	27	05	16	06	10	04	20	04	21	03	26	02	37	01	37
	14	12	05	17	04	22	05	30	05	35	04	22	05	17	36	17	02	23	02	38	36	44	31	13
	14	23	05	28	06	54	04	32	03	35	05	26	07	25	02	15	01	20	03	26	01	42	33	18
	15	12	04	21	04	26	06	44	06	18	07	18	07	21	04	14	02	10	33	10	01	11	30	14
	15	23	05	21	07	38	05	53	06	33	09	15	14	19	05	24	05	11	07	14	07	14		
	16	12	27	05	22	08	09	13	06	23	09	15	09	20	08	13	10	14	07	09	07	08	20	03
	16	23	13	10	10	19	02	14	09	14	14	11	12	14	17	14	17	20	20	18	26	10	22	16
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	17	23	06	03	04	10	06	09	06	15	12	08	14	12	18	22	20	33	20	38	21	28	22	28
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	18	23	04	07	03	18	04	30	04	26	04	24	04	10	30	08	26	25	26	40	26	55	26	73
	19	12	32	02	32	01	06	15	06	13	07	10	04	15	05	07	35	06	26	34	25	70	25	84
	19	23	07	19	08	41	06	40	04	22	06	13	07	29	07	16	06	07	28	44	28	32	28	45
	20	12	04	10	06	18	07	37	07	34	09	09	07	24	09	10	25	08	27	16	29	20	29	39
	20	23	07	52																				
	21	12	08	40																				
	21	23	07	30	07	87	05	70	05	32	07	47	06	35	10	21	11	34	25	35	24	34	26	10
	22	12	07	20	06	38	04	35	05	16	06	13	09	09	07	12	34	05	32	14	31	12	29	12
	22	23	07	21	07	28	04	35	04	30	04	31	03	10	04	16	03	06	34	10	30	12	29	12
	23	12	06	25	03	30	04	35	04	25	04	18	05	10	05	06	02	04	28	02	27	11	27	12
	23	23	08	08	07	16	02	11	12	03	07	10	26	03	21	07	23	13	22	23	23	15	25	19
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	25	23	09	06	07	13	04	16	03	13	34	11	32	09	29	13	28	28	28	50	27	51	28	56
	26	12	04	27	04	35	03	24	35	06	04	12	02	11	30	22	29	30	29	28	30	35	30	37
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	27	23	25	08	20	05	03	04	05	22	03	20	05	12	04	16	01	12	33	13	34	11	32	16
	28	12	04	08	03	12	03	14	30	10	33	09	33	09	36	17	02	21	01	20	34	21	33	20
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	29	12	22	15	22	19	20	09	20	10	17	08	06	05	02	09	36	20	33	17	26	11	26	12
	29	23	07	11	07	15	17	03	15	06	16	05	16	08	33	02	33	06	23	35	22	30	22	43
	30	12	22	10	22	11	36	06	11	07	13	09	18	08	22	24	23	58	23	72	23	58		
	30	23	06	06	06	11	04	12	04	06	12	08	17	05	23	17	22	25	24	28	25	28	26	60

Results of Upper Wind Observations,
DAVIS 1959

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	01	12	23	11	21	14	15	04	16	07	18	10	23	13	22	28	23	38	23	51	24	43	25	43
	01	23	03	03	05	18	03	14	04	10	29	03	22	12	23	34	24	62	24	74				
	02	12	02	10	03	12	04	19	04	22	36	04	28	13	27	21	27	25	26	25	26	42	25	50
	02	23	03	16	04	30	04	24	05	34	04	22	29	18	28	22	28	38	28	32	27	56	27	63
	03	12	04	17	04	20	04	19	04	18	05	20	34	10	30	25	30	28	31	25	28	37	29	45
	03	23	07	17	04	18	05	30	03	32	06	16	03	19	34	17	33	30	32	39	31	82	31	42
	04	12	05	25							04	19	02	11	02	17	36	26	36	29	33	25	31	33
	04	23	07	22	06	45	04	47	04	32	03	22	03	13	05	11	06	19	03	31	35	30	32	24
	05	12	05	16	04	19	05	51	05	25	05	12	09	10	02	22	35	45	35	66	32	32	32	36
	05	23	07	12	07	24	06	17	05	39	05	26	07	29	02	15	04	29	02	54	02	38	30	20
	06	12	02	05	04	07	06	18	06	30	08	14	08	16	04	21	07	29	06	04	33	12	30	12
	06	23	07	17	06	35	05	41	06	39	06	29	10	26	18	10	08	06	05	07	28	12	29	10
	07	12	04	13	05	18	06	23	06	42	06	25	08	12	09	11	07	06	20	05	23	07	28	12
	07	23	10	05	07	09	05	21	05	21	06	28	07	19	05	16	06	18	08	05	17	08	21	04
	08	12	01	08	03	11	10	12	08	24	07	15	05	09	06	05	09	05	18	06	26	02	33	08
	08	23	07	04	04	08	07	13	09	10	11	07	10	06	10	09	14	06	13	04	25	10	24	11
	09	12	23	08	19	08	13	02	06	13	07	22	10	07	13	14	17	10	18	17	22	08	24	12
	09	23	03	04	05	09	07	05	15	08	16	05	14	09	16	11	17	20	17	35	17	22	20	14
	10	12	24	07	21	08	28	02	19	05	20	05	20	06	20	08	24	11	26	10	23	15	20	20
	10	23	03	07	02	13	01	07	36	10	34	10	30	10	29	14	30	19	23	31	23	30	23	26
	11	12	34	05	01	08	02	05	01	04	30	07	28	06	25	15	22	62	23	54	25	37	25	20
	11	23	04	03	04	09	02	07	02	10	36	10	34	06	26	16	25	36	22	13	26	46	31	17
	12	12	01	09	36	11	04	08	04	10	05	18	01	12	35	16	01	21	01	28	01	41	01	26
	12	23	00	00	36	02	04	02	04	08	05	15	04	10	02	13	01	21	03	47	02	63	02	35
	13	12	01	07	01	08	03	06	03	05	03	01	01	09	02	21	03	30	02	43	01	23	25	29
	13	23	05	10	06	12	06	15	07	14	06	12	36	07	35	14	36	24	34	32	01	31	02	22
	14	12	25	01	26	05	12	01	22	03	18	03	19	02	36	04	34	14	35	15	34	10	35	10
	14	23	00	00	19	06	25	07	26	03	10	03	24	02	32	06	28	09	31	12	33	17	29	22
	15	12	03	07	03	18	05	05	06	10	04	13	02	11	01	14	31	20	30	30	30	38	31	33
	15	23	09	06	09	10	07	18	07	15	07	17	10	20	07	12	06	16	08	17	09	14	36	09
	16	12	22	10	19	05	05	13	07	20	09	16	10	20	10	14	06	03	08	11	30	04	30	16
	16	23	07	13	06	18	02	20	10	08	08	16	08	16	08	17	11	15	21	09	10	13	07	10
	17	12	24	11	31	09	05	07	10	10	05	04	07	05	09	16	14	10	13	05	12	08	30	08
	17	23	04	07	03	17	03	06	02	02	36	04	23	03	14	01	17	05	17	08	26	02	23	02
	18	12	34	04	01	08	07	10	07	09	05	04	06	04	12	04	26	01	03	04	20	02	01	06
	18	23	04	01	07	04	06	07	06	20	07	10	06	13	03	05	05	03	23	04	26	05	30	01
	19	12	35	07	04	08	10	05	12	08	08	19	07	17	10	10	11	06	06	07	36	01	32	08
	19	23	02	03	05	07	06	09	09	10	07	12	09	17	09	13	09	14	09	12	07	17	03	10
	20	12	02	08	02	09	03	14	04	18	04	11	03	12	36	03	33	14	35	16	35	19	35	23
	20	23	01	03	03	06	04	11	06	21	06	21	04	17	36	18	35	23	34	37	33	37	34	38
	21	12	22	15	20	10	33	06	05	13	07	14	05	09	02	22	35	34	36	41	33	51	35	31
	21	23	04	05	04	09	04	17	05	24	05	14	04	31	03	24	01	46	36	44	36	34	36	53
	22	12	02	09	04	12	06	19	05	24	04	20	04	22	02	34	03	29	02	32	02	46	01	23
	22	23	06	13	05	14	05	30	05	32	07	16	06	15	05	16	04	25	02	33	01	33	02	24
	23	12	07	15	04	10	05	17	07	25	07	25	05	21	06	13	08	14	06	12	02	15	05	10
	23	23	03	03	04	14	06	08	06	09	06	18	06	21	05	11	04	17	01	22	02	24	03	15
	24	12	02	06	03	11	05	12	07	11	07	20	05	12	06	19	08	25	07	22	08	38	08	14
	24	23	02	01	04	07	12	03	24	02	10	05	04	14	03	16	05	17	08	11	09	13	13	11
	25	12	25	05	05	04	06	08	09	06	03	07	03	07	34	09	36	05	03	07	09	10	18	06
	25	23	04	15	03	15	05	17	04	17	05	07	32	05	30	11	30	15	30	16	31	19	32	20
	26	12	02	09	04	17	04	21	01	14	02	11	33	11	30	20	30	25	29	26	30	22	25	15
	26	23	04	16	03	15	03	22	03	16	02	12	36	18	32	24	30	30	30	43	29	33	29	30
	27	12	01	10	03	18	04	19	04	19	03	14	36	16	31	18	29	28	29	29	29	23	28	22
	27	23	05	23	05	26	04	29	05	31	05	24	04	25	35	22	31	51	29	88	29	120		
	28	12	05	33															34	59	31	37	30	46
	28	23	05	45																				
	29	12	05	41																				
	29	23	05	27	05	35	05	44	04	30	04	22	05	17	05	17	36	15	02	14	32	24	30	28
	30	12	04	17	05	30	05	31	07	24	07	23	07	11	25	21	28	63	28	104				
	30	23	05	08	06	10	05	26	05	28	07	21	08	17	27	20	29	26	28	45	28	57	26	50
	31	12	02	06	06	12	07	41	06	44	08	10	08	18	30	05	25	12	26	12	26	19	27	21
	31	23	07	23	06	44	07	49	05	50	07	25	11	27	10	06	19	16	19	19	20	21	21	24

Results of Upper Wind Observations,
DAVIS 1959

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	08	23	25	18	29	19																		
	13	12	29	16	34	23																		
	15	12	26	28	26	24	26	22																
	15	23	26	25	25	36	23	36																
	16	12	23	48	25	45	25	61																
	16	23	28	28	26	16																		
	17	12	26	16	25	29	27	33	25	40														
	17	23	25	18	26	20																		
	18	12	25	33	20	30	24	33																
	18	23	24	25	24	31	28	21																
	19	23	25	26																				
	20	12	26	25	26	28	29	22																
	21	12	05	08	32	15	29	12	23	17	26	26												
	21	23	27	08																				
	22	12	28	16	27	24	28	32	28	36	27	32												
	22	23	29	13	29	20	30	22																
	23	12	28	26	30	21																		
	23	23	27	14	26	30																		
	24	12	23	25																				
	27	12	19	32	22	44	22	33																
	27	23	22	36	23	32	24	39	22	28	22	50												
	28	12	22	27	23	27	24	44	25	50	24	50												
	28	23	23	15	24	27	25	33	27	45														
	29	12	25	30	24	30																		
	29	23	21	24	26	26	25	22	24	23														
	30	12	22	26	23	25	24	29																
	30	23	23	19	24	19	22	35																
5	01	23	28	06																				
	02	12	15	19	22	19	23	16	22	24														
	02	23	17	28	19	17	18	20	21	25	26	25												
	05	12	23	39	24	33	23	33	24	44														
	06	23	30	33	27	47	28	38																
	08	13	27	09	25	14	29	22	28	27	27	45												
	08	23	22	07	25	21	23	10	26	34														
	09	12	24	19																				
	10	23	27	37	25	41	25	32	26	75														
	11	12	17	22	25	50	25	33	25	87														
	12	12	26	61																				
	14	23	27	37																				
	15	12	28	39	28	50	28	58	28	62	27	78												
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	16	23	28	15	27	21	28	42	28	30														
	17	23	28	16	28	18	28	55																
	18	12	26	25																				
	18	23	31	17	29	24	28	30																
	19	12	32	15	29	26																		
	20	12	33	21	32	36	33	31																
	21	12	35	22	01	23	32	30																
	21	23	02	28	36	27																		
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	24	23	18	07	24	13	22	23	25	29	28	24												
	25	12	25	14	28	23	28	38																
	25	23	35	20																				
	26	12	29	22	28	23	29	31																
	26	23	32	06	28	12	27	23	29	44														
	27	12	29	15	26	25	26	27	27	39														
	27	23	26	14	27	21	26	35	25	45														
	28	12	28	31	28	40	28	36																
	28	23	28	15	30	40	28	37	28	53														
	29	12	27	23	29	38	28	60																
	29	23	29	22	28	31	29	32																
	30	12	28	18	28	24																		
	30	23	24	07	25	11	28	28																
	31	12	24	11	25	07	25	25	27	27														
	31	23	22	09	23	14	23	24	27	24														
6	01	12	21	15	24	24	24	25																
	01	23	20	20	23	16	25	28	25	27														
	02	12	25	19	27	25	24	44																
	02	23	24	05	26	11	27	24	27	21														
	03	12	24	04	30	11	28	07																
	04	12	07	23																				
	04	23	26	14	24	23																		
	05	12	25	30																				
	06	12	23	66	24	61	24	102																
	09	12	26	21	28	39	27	41	29	54														
	09	23	23	45	26	33	29	35	29	66														
	10	12	27	30	27	39	28	80																
	10	23	29	30																				
	11	23	28	73	28	77	28	116	27	111														

Results of Upper Wind Observations,
DAVIS 1959

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	12	12	28	29	28	45	28	36																
	14	12	27	72																				
	15	23	24	43																				
	16	23	25	24	26	39	27	31																
	17	12	29	17																				
	17	23	32	13																				
	18	12	28	07																				
	18	23	30	13	29	15	30	25																
	19	12	30	10																				
	19	23	23	40																				
	20	12	29	10																				
	20	23	26	08																				
	22	23	31	18	30	24	29	33																
	23	12	30	29	30	33																		
	23	23	29	21	30	18	31	34																
	24	12	31	20																				
	24	23	32	21	33	31																		
	25	12	32	26																				
	25	23	27	16	27	19																		
	26	23	28	28	28	11	28	48																
	27	12	29	26																				
	27	23	28	28	29	30	30	38																
	28	12	30	24																				
	28	23	32	39	33	57																		
	29	12	34	27																				
	29	23	27	28	33	46																		
	30	23	30	14	32	23																		
7	01	23	34	22	29	30																		
	02	23	32	25																				
	03	23	29	17	29	18																		
	04	23	29	28	28	24																		
	05	12	31	25																				
	05	23	32	25	30	29																		
	06	12	34	28	35	39	35	56	35	59	36	64												
	07	12	32	28	32	35																		
	07	23	32	39																				
	08	12	28	28	28	30																		
	08	23	27	23	30	32																		
	09	12	32	24																				
	09	23	11	03	34	13																		
	11	12	07	13																				
	11	23	03	19																				
	13	12	04	18																				
	13	23	06	28	05	09																		
	15	23	26	28	26	34																		
	16	12	25	27																				
	16	23	24	23	26	20	27	35																
	17	12	26	18																				
	17	23	23	12	29	19	25	17	27	27	27	34												
	18	12	23	40																				
	18	23	33	52	33	57																		
	19	12	26	45																				
	20	12	28	18																				
	21	23	27	28	27	26	26	33	28	43														
	22	12	28	18																				
	24	23	21	45	22	56																		
	25	12	23	33																				
	29	12	31	15																				
	29	23	20	21																				
8	01	23	36	32	31	25																		
	02	12	34	21																				
	03	12	24	08																				
	03	23	28	04	33	11																		
	04	23	22	15																				
	05	23	28	09																				
	06	12	29	14																				
	06	23	26	21																				
	07	12	24	66																				
	07	23	26	35																				
	08	12	26	33																				
	08	23	25	36	24	37																		
	09	23	30	27																				
	10	23	26	58																				
	11	23	20	84																				
	12	23	19	16	22	28																		
	13	23	19	14																				
	14	23	28	12	23	20																		
	15	12	27	23																				
	18	23	24	12																				
	19	23	30	40																				

Results of Upper Wind Observations,
DAVIS 1959

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	20	12	29	21																				
	20	23	28	19																				
	21	12	27	15																				
	21	23	25	20																				
	23	12	28	36																				
	24	23	33	50	32	21																		
	25	23	24	11	26	19																		
	26	12	26	22																				
	26	23	26	27	28	40																		
	27	23	24	48																				
	28	12	25	45																				
	30	12	27	33																				
	30	23	24	11	27	14																		
	31	23	24	54																				
9	01	12	25	57																				
	02	12	29	39																				
	02	23	23	26																				
	03	12	29	28																				
	03	23	28	26																				
	05	12	27	42																				
	05	23	27	31																				
	06	23	28	39																				
	07	23	25	48																				
	13	23	28	52																				
	14	12	23	29																				
	16	12	32	62	31	101																		
	18	23	24	08	30	13																		
	19	12	27	18																				
	19	23	30	06																				
	20	12	26	31	26	33																		
	20	23	26	12	25	30	25	44																
	21	12	27	43	26	51	26	61																
	21	23	27	42	26	45																		
	22	12	25	39	27	51																		
	23	12	27	44																				
	23	23	26	26	26	33																		
	24	12	24	41	24	41	25	56	25	62	25	70												
	27	12	29	28																				
	28	12	30	15	27	18	27	21																
	29	12	14	23	24	21	26	19	25	26	25	45												
	30	12	23	17	22	17	25	25	25	29														
	30	25	15	36	30	33	17	45	29	30														
0	01	12	20	18	21	26	22	38	23	34	27	42												
	01	23	23	32	23	32	25	28	23	48	25	45												
	02	12	24	33	26	50	25	60	27	40	28	54												
	02	23	25	41	25	56	26	68	26	52														
	03	12	27	37	27	49																		
	04	12	28	53	29	86	32	33	31	34	30	10												
	04	23	30	34	30	50																		
	05	12	26	20	29	31	28	26	29	34	29	43												
	05	23	17	07	22	17	25	07	26	08														
	06	12	17	13	24	17	24	12																
	06	23	18	22	23	23	24	20	24	33	26	25												
	07	12	23	20	25	24	26	31	26	43														
	07	23	27	29	28	28	27	29	28	61														
	08	12	29	27	29	34	29	36	29	37	29	45												
	08	23	32	21	33	35	29	31	24	43														
	09	12	33	33	33	41	31	45	31	51	32	90												
	10	12	34	21	32	16	33	34	30	32														
	10	23	05	16	06	04	01	09	29	17														
	11	12	17	06	29	06	30	16	28	21	32	12												
	11	23	11	08	22	09	27	11	27	20	26	23												
	12	12	24	07	26	13	26	22	27	24	27	31												
	12	23	19	11	20	09	23	13	24	18	26	21												
	13	12	21	19	22	22	21	24	22	25														
	13	23	19	35	20	34	20	45	21	42	22	60												
	14	12	21	36	22	49	22	45	25	30	23	64												
	15	12	21	26	23	34	24	46	24	58	25	45												
	15	23	24	25	24	25	24	42	24	34														
	16	12	21	25	23	40	25	28	24	42														
	17	12	22	76	26	62	22	89																
	17	23	28	43	28	48	27	50	26	63	27	46												
	18	12	31	36	30	39	30	56	27	54	27	56												
	18	23	31	34	31	49	29	38	27	33	30	26												
	19	12	31	42	30	51	30	71	29	54	29	54												
	19	23	33	31	33	29	31	42																
	20	12	32	07	32	12	29	26	30	23														
	20	23	22	05	16	03	25	20	28	27	27	38												
	21	12	24	24	23	25	25	39	26	42	25	43												
	21	23	23	32	24	95	18	06	24	64	27	15												

Results of Upper Wind Observations,
DAVIS 1959

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
0	22	12	25	33	25	45	25	49	76	01														
	22	23	25	36	25	38	26	34	26	48	26	46												
	24	12	27	30	27	37	28	39	26	53	27	51												
	24	23	28	26	27	41	27	52	26	62	26	53												
	25	12	27	18	28	35	27	34	27	47	26	29												
	25	23	27	28	26	24	25	36	28	35	25	25												
	26	12	24	19	26	25	27	30	26	38	28	37												
	26	23	25	42	25	24	26	21	26	31	27	43												
	27	12	25	31	25	35	26	52	26	35	25	53												
	27	23	27	38	26	35	27	51																
	28	12	26	31	27	36	27	37	27	41	26	42												
	28	23	27	34	27	38	28	26	26	22														
	29	12	27	32	27	40	28	50	27	41	27	64												
	29	23	29	28	27	40	27	39	29	28														
	30	12	27	33	27	40	26	39	27	53	25	55												
	30	23	27	24	26	35	27	36	26	45														
	31	12	27	24	26	30																		
	31	23	27	28	27	30	27	37	25	48	27	49												
11	01	12	26	22	27	30	27	37	27	48	27	56												
	01	23	29	17	28	24	27	34	26	43														
	02	12	28	17	31	25	27	29	28	38	27	44												
	02	23	28	10	29	08	27	13	26	14														
	03	23	08	09	14	02	29	17																
	04	12	05	04	28	07	29	15	27	17	26	25												
	04	23	04	21	27	13	25	27	27	25														
	05	12	26	14	27	28	26	31	26	38	26	35												
	05	23	25	24	26	24	27	33	27	48	26	56												
	06	12	26	25	26	35	26	41	26	53	26	74												
	06	23	22	33	24	37	25	81																
	07	12	26	44	26	53	26	81																
	07	23	28	55																				
	08	12	28	34	28	58	23	13	10	00	29	42												
	08	23	23	36	24	31	22	49	24	47														
	11	23	27	84																				
	12	12	27	49	28	50	28	81	28	73														
	12	23	30	43	29	51	29	57	27	34	29	46												
	13	12	32	22	30	32	30	39	30	43	30	48												
	13	23	01	25	30	19	30	20	29	33	29	39												
	14	12	30	20	29	16	28	28	28	32	28	47												
	14	23	31	19	23	41	27	71	27	36	28	37												
	15	12	28	17	28	25	29	34	28	40	27	42												
	16	12	25	09	27	14	28	20	26	29	28	38												
	16	23	21	18	22	22	25	19	24	27	25	27												
	17	12	25	21	24	27	24	29	24	33	25	38												
	17	23	23	34	23	36	25	39	25	43	24	44												
	18	12	24	50																				
	18	23	25	64	25	73																		
	19	12	25	67	25	108																		
	19	23	27	59	27	76	27	91																
	20	12	29	55	28	61	28	57	28	65	28	51												
	21	23	31	07	30	18	29	24																
	22	12	29	21	30	25	29	32	30	32	29	36												
	22	23	29	17	30	21	29	25	28	23	29	28												
	23	12	28	17	27	24	27	26	27	26	27	20												
	23	23	25	30	25	28	25	40	25	37	26	31												
	24	12	26	37	25	62																		
	24	23	27	56	28	57	28	45																
	25	12	29	36	30	45	29	73	29	56	29	116												
	25	23	29	34																				
	26	12	29	49	31	43	32	27	31	45	31	127												
	26	23	34	31	34	37	32	32	32	26	33	53												
	27	12	32	14	32	26	33	32	33	33	34	42												
	27	23	31	20	31	24	31	31	29	25	31	33												
	28	12	31	24	31	24	31	33	31	34														
	28	23	28	15	28	14	30	20	31	26	32	13												
	29	12	26	14	28	21	28	27	28	24	29	21												
	29	23	22	50	23	54	23	51	25	22	25	30												
	30	23	25	73	25	61																		
12	01	12	23	61	23	60																		
	02	12	26	65	24	47	25	52	24	58	23	49												
	02	23	28	97																				
	03	12	27	36	27	37	28	61	28	28	26	27												
	03	23	29	28	29	32	22	29																
	04	12	30	40	29	34	29	23	29	35	29	33												
	04	23	31	36	29	38																		
	05	12	33	43	28	30	29	47	29	44														
	05	23	31	26	32	36	30	23	36	23	27	28												
	06	12	32	34	32	20	30	17	31	19	31	24												
	06	23	28	20	29	17	28	25	30	15	02	14												
	07	12	30	11	31	14	33	18	31	17	32	14												
	07	23	30	11	32	10	33	13	32	16	31	18												

Results of Upper Wind Observations,
DAVIS 1959

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
12	08	12	32	14	32	15	31	16																
	08	23	29	08	32	18	32	17	31	13	30	12												
	09	12	25	11	18	13	16	11	22	23	27	15												
	09	23	23	17	22	17	23	13	27	16														
	10	12	23	12	23	20	23	13	25	13	26	08												
	10	23	21	22	23	27	23	17	26	13	24	30												
	11	12	28	20	30	12	29	05	26	14	28	11												
	11	23	29	17	30	18	36	15	34	14	32	10												
	12	12	01	32	01	29	01	30	35	11	01	14												
	12	23	02	65	35	16	03	13	02	43	01	18												
	13	23	01	14	36	15	01	22	03	12	16	04												
	14	12	34	09	33	10	36	06	34	04	35	02												
	14	23	30	26	30	22	31	14	34	12	31	08												
	15	12	31	27	31	23	30	37	32	14	30	09												
	15	23	32	19	32	30	31	25	33	20	33	16												
	16	12	31	21	31	21	32	16	33	22	33	16												
	16	23	31	12	31	16	32	16	32	14	34	18												
	17	12	32	10	32	14	33	14	34	17	35	08												
	17	23	27	06	35	10	33	09	35	12	01	07												
	18	12	35	09	34	14	01	10	36	14	36	08												
	18	23	29	09	33	11	01	11	01	16	34	15												
	19	12	32	11	32	14	32	14	34	12	34	21												
	19	23	36	15	34	16	34	14	35	16	35	16												
	20	12	33	27	35	23	35	22	36	18	35	19												
	20	23	34	17	36	21	36	25	06	18	29	11												
	21	12	34	17	35	22	01	26	01	27	36	20												
	21	23	36	05	28	41	22	13	01	90	28	51												
	22	12	02	52	35	43	22	14	35	26	01	27												
	22	23	03	14	06	07	01	16	06	18	34	15												
	23	12	10	05	06	14	05	08	04	12	03	04												
	23	23	14	04	09	15	09	05	19	08	05	10												
	24	12	08	09	08	10	09	12																
	24	23	13	11	13	06	13	05	05	08	12	07												
	25	12	18	06	18	04	09	05	16	05	07	03												
	25	23	26	10	22	55	21	07	08	04														
	26	12	26	12	26	11	26	11	27	06	24	02												
	26	23	26	27	27	28	24	07	29	24	23	05												
	27	12	27	18	28	19	28	18	28	18	28	08												
	28	12	32	39	25	17	21	14	31	23	29	25												
	29	23	29	15	30	14	29	27	30	24	28	12												
	30	23	28	32	27	24	28	16	27	22	26	19												
	31	12	28	14	28	12	27	09	27	12	29	03												
	31	23	23	14	26	13	27	10	24	11	27	11												

Results of Upper Wind Observations,
MACQUARIE 1959

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	05	27	03	33	18	29	25																
	01	11	11	13					21	14	20	20	21	16	21	16	20	11	20	11				
	01	17	13	17																				
	01	23	17	09	21	13	20	21	21	23	22	27	22	25	22	35	22	35	22	56	21	70	21	72
	02	05	22	12	25	19	25	33	23	10	24	24												
	02	11	22	16	27	15	27	24	26	22	26	23	24	35	24	50	24	42	24	63	24	69	24	62
	02	17	27	26																				
	02	23	23	22	26	26	25	36	24	45	29	50	27	60	27	53	27	60	26	60	27	100	27	105
	03	05	24	26																				
	03	11	22	38																				
	03	17	27	37																				
	03	23	22	32	27	12	22	30																
	04	05	24	05	25	04																		
	04	11	22	05	29	11			26	10	24	16	23	27	23	31								
	04	17	26	05	28	11	28	12																
	04	23	27	10	33	15	34	15	34	15														
	05	05	31	07	33	18	32	16	29	10	27	11	27	23	26	21	23	33	23	26	23	19	22	23
	05	11	31	07	34	20	33	15	31	15	31	16	35	22										
	05	17	27	10	33	11																		
	05	23	31	06	31	14	21	12					24	16	24	26	22	27	24	29	24	38		
	06	05	35	10	02	12	01	07																
	06	11	00	00																				
	06	17	01	04																				
	06	23																						
	07	05	36	07																				
	07	11	27	25					29	33	29	40	29	45										
	07	17	31	16	32	25																		
	07	23	31	24	32	30	32	35	32	35	32	70	32	72	33	82	33	75						
	08	05	29	26	31	35	29	48	29	40	28	23												
	08	11	29	16	30	20	29	32	29	38	30	39	30	45										
	08	17	18	03	21	03	21	08																
	08	23	27	09	29	14	28	17	28	18	29	20	29	26	28	31	28	38	28	37	29	43		
	09	05	30	13	30	21	29	23	29	29														
	09	11	32	19	31	22	31	25	30	30	30	25	29	40	30	44								
	09	17	31	26	33	16	32	20																
	09	23	31	27	33	38	31	50	31	44	30	54	30	45	30	60	30	57	30	70				
	10	05	31	31																				
	10	11	28	19	26	45	26	74	26	74														
	10	17	25	17	27	15	27	10	27	12														
	10	23	27	17	27	30	27	32	27	31	27	48	27	45	27	50	27	48						
	11	05	27	20	26	12	26	16																
	11	11	25	13	26	15	25	20	25	21	25	29	25	49	24	40								
	11	17	26	06	25	24																		
	11	23	27	06	25	09	25	08	28	06	25	07	32	04	27	09	26	09	24	15	23	18	23	20
	12	05	28	05	30	10																		
	12	11	27	08	32	15	33	14	31	14	32	17	33	18	31	18	29	24	29	33	28	38	28	42
	12	17	30	06																				
	12	23	29	18	34	32	33	38	34	37	33	37	32	36	30	47	32	33	30	65				
	13	05	29	24																				
	13	11	27	14	30	32	29	33	31	34	30	35	31	48	33	51								
	13	17	26	26	30	49																		
	13	23	26	30	28	40	28	49	28	40	28	36	29	30	28	40	29	38	27	32	30	55	27	70
	14	05	27	22	28	15																		
	14	11	27	21	29	31	28	33	27	35	26	34	27	34	29	28	29	42	29	36				
	14	17	28	16																				
	14	23	22	23	26	36	26	35	26	37	26	43	26	44	26	50	26	60	26	70	24	71		
	15	05	25	16	29	30																		
	15	11	28	19	32	24	32	28	32	35	31	33	30	41	30	40	28	50	27	53	29	50	28	78
	15	17	24	30																				
	15	23	25	24	28	36	27	43	27	46	27	57	27	58	27	74	27	80						
	16	05	23	21	26	35	26	39	25	53														
	16	11	29	15	31	26	32	39	26	63	29	40	29	30	29	47								
	16	17	27	22																				
	16	23	27	28	29	50	28	36	28	64	28	70	29	94	31	120	28	95						
	17	05	25	17	29	26																		
	17	11	27	09	28	15	28	21	28	47	29	58	28	65	27	80								
	17	17	12	04	06	04																		
	17	23	28	12	33	32	32	31	31	40	29	53	29	77										
	18	05	13	35																				
	18	11	24	13	25	20	25	28	25	26	25	37	26	40	27	59	26	66						
	18	17	26	14	27	30	26	25																
	18	23	25	10	28	15	28	20	28	27	27	31	26	36	26	49	25	75	25	73				
	19	05	29	10	31	20																		
	19	11	31	02	04	21	01	33	35	25	34	24	33	32	30	36	27	80	27	65				
	19	17	30	09																				
	19	23	25	05	32	31	32	54	31	58	32	59	34	114	31	45								
	20	05	29	20																				
	20	11	27	20	31	28	31	68	30	47	31	33	30	54	31	82								
	20	17	27	05																				
	20	23	27	14	29	25	28	29	29	33	29	33	30	33	31	77	28	86	28	92	28	80		
	21	05	27	24	29	30																		
	21	11	26	21	29	31	28	37	28	42	28	42	28	44	27	35								
	21	17	25	30																				
	21	23	23	23	27	39	26	38	26	48	26	48	26	42	24	58	24	70						

Results of Upper Wind Observations,
MACQUARIE 1959

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	22	05	24	22	27	37	27	40	26	43														
	22	11	23	22	28	34	28	42	26	44	27	45	26	50	26	58								
	22	17	23	15																				
	22	23	23	09	25	15	25	18	25	36	25	37	25	41	25	62	24	82	23	120	22	132	22	130
	23	05	26	16																				
	23	11	25	22	28	58	27	35	27	58	27	60	27	92	26	124								
	23	17	27	21																				
	23	23	27	21	29	33	29	45	28	48	27	48	27	54										
	24	05	22	21	26	36	25	22	27	25	27	54												
	24	11	22	04	28	14	29	15	28	30	28	36	28	50	28	55	27	60	27	71	26	88		
	24	17	33	03																				
	24	23	27	14	26	20	27	31	29	32	28	29	28	46	29	50	28	118	29	110				
	25	05	25	10	27	31	27	33																
	25	11	25	16	26	20	26	20	26	26	27	35	27	44	27	65	27	82						
	25	17	26	04																				
	25	23	27	08	32	16	32	20	31	22	30	22	29	30	31	51	29	55	27	53				
	26	05	27	17	31	29	29	29																
	26	11	29	20	29	22	28	29	29	27	29	28	29	30	28	32	28	50	28	61				
	26	17	24	23																				
	26	23	22	21	27	31	26	31	26	30	26	34	27	31	26	38	27	45	27	58	27	54		
	27	05	26	20	27	27																		
	27	11	25	26	31	24	30	31	29	30	29	31	28	30	28	44	28	47	26	48				
	27	17	22	08	27	13	27	18	27	15	28	20												
	27	23	27	02	31	08	30	14	27	14	27	17	27	30	25	21	27	24						
	28	05	32	08	03	07																		
	28	11	36	06			09	30	02	25	01	30	01	38	35	33								
	28	17	31	15	33	18	33	23																
	28	23	32	17	35	33	34	28	35	24	34	28	33	25	33	26	31	22	34	29	34	29	33	28
	29	05	00	00	33	10																		
	29	11	09	10							17	10	15	10	16	07	18	15	20	24	21	21	25	18
	29	17	16	09																				
	29	23	14	09	19	28	22	44	22	13	22	20	23	29	25	37	24	40	22	60	25	44		
	30	05	21	10	23	13	23	24																
	30	11	12	02									24	39	24	43	24	33	24	58				
	30	17	22	01	22	03	21	13	21	31														
	30	23	28	12	30	14	28	14	28	24	25	26	25	27	23	52	23	76	22	87				
	31	05	27	17	30	24	30	26																
	31	11	30	24	32	30	30	49	30	46	29	46	24	46										
	31	17	27	16																				
	31	23	25	20	27	32	27	36	27	46	27	49	27	60	27	70								
2	01	05	27	23	27	30	28	33																
	01	11	26	17	28	27	28	28	28	56	28	39												
	01	17	30	02																				
	01	23	12	19																				
	02	05	20	15	25	19																		
	02	11	25	14																				
	02	17	29	05																				
	02	23	26	05	25	07	24	09																
	03	05	23	20	26	12																		
	03	11	26	22																				
	03	17	27	05																				
	03	23	28	33																				
	04	05	27	30																				
	04	11	24	24	28	19																		
	04	17	23	22																				
	04	23	23	25	25	30	25	41	25	41	25	38	25	48	26	31								
	05	05	26	23	26	36	26	30																
	05	11	27	14	29	08	28	08																
	05	17	29	15																				
	05	23	29	17	33	21	31	17	31	30	30	27	30	43										
	06	05	31	12	34	25	33	27																
	06	11	29	17	01	21	34	31																
	06	17	34	24																				
	06	23	30	17																				
	07	05	31	20																				
	07	11	28	27	33	56	33	74																
	07	17	28	07																				
	07	23	32	07																				
	08	05	29	23	30	30																		
	08	11	18	07																				
	08	17	27	24	27	30	28	34																
	08	23	28	26	30	40	29	31	30	34														
	09	05	27	29	27	30	28	49																
	09	11	24	29																				
	09	17	24	29																				
	09	23	23	17																				
	10	05	22	07	26	17																		
	10	11	23	09																				
	10	17	00	00	23	06																		
	10	23	22	04	25	11	24	19																

Results of Upper Wind Observations,
MACQUARIE 1959

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	11	05	24	10	26	20	26	30																
	11	11	27	16	30	25	29	42																
	11	17	28	21																				
	11	23	28	18																				
	12	05	27	19																				
	12	11	27	17																				
	12	17	27	16																				
	12	23	28	13	30	30																		
	13	05	27	04	33	16	33	19																
	13	11	32	05																				
	13	17	33	22																				
	13	23	31	19																				
	14	05	31	24																				
	14	11	31	25																				
	14	17	31	23																				
	14	23	31	27																				
	15	05	30	22																				
	15	11	31	16																				
	15	17	31	18																				
	15	23	33	21																				
	16	05	27	09																				
	16	11	31	10																				
	16	17	23	12																				
	16	23	27	20	30	35	30	40	29	40														
	17	05	28	22	32	38																		
	17	11	28	23																				
	17	17	27	21																				
	17	23	27	12	31	20	31	27	30	23	30	37												
	18	05	30	28																				
	18	11	28	20																				
	18	17	22	35																				
	18	23	23	30	26	33	25	42	25	45														
	19	05	25	19	27	22																		
	19	11	25	17	28	26	27	33	27	29	27	33	27	38	27	45	27	65						
	19	17	23	17	26	23																		
	19	23	25	10	26	18	27	20	25	25	25	23	26	20	25	40	26	45	26	47				
	20	05	20	10																				
	20	11	20	12							23	14	25	19	25	28	28	33	29	41				
	20	17	15	10	21	14																		
	20	23	13	10	23	10	23	15	23	24	23	27	22	32	22	38	23	40						
	21	05	22	10	23	19	22	27																
	21	11	25	17	25	20	25	22	24	27	23	27	22	35	22	50								
	21	17	27	17	30	30																		
	21	23	28	17	29	30	29	43	27	45	27	46	26	44	24	58	25	65						
	22	05	28	24																				
	22	11	28	21	28	25	27	35	28	38	29	60	29	63	29	78								
	22	17	23	17	26	26	25	24																
	22	23	26	16	29	24	29	33	29	34	28	37	27	42	27	55	27	69						
	23	05	28	23	31	34																		
	23	11	27	18	31	40	30	46	29	60	28	47	29	60										
	23	17	25	23																				
	23	23	23	16	27	22	26	27	26	34	26	36	25	45	25	48	25	65						
	24	05	29	19																				
	24	11	27	24	31	38	30	52	30	53	31	62	32	46										
	24	17	27	12																				
	24	23	28	33	29	40	27	50	28	50	29	45	29	68	29	90								
	25	05	25	23	27	50	27	41	27	45														
	25	11	28	14	30	29	30	28	30	30	31	45	31	36										
	25	17	30	23																				
	25	23	30	23	32	30	30	40	30	40	30	48	31	56	31	68	30	104						
	26	05	27	21																				
	26	11	27	18	28	36	29	29	29	27	29	28	29	38	29	36	31	40						
	26	17	25	17																				
	26	23	26	18	28	25	29	30	29	32	29	34	28	44	28	41	27	42						
	27	05	27	27	28	23																		
	27	11	26	24	29	29	28	38	28	34	28	39	28	47	28	42								
	27	17	25	17																				
	27	23	25	17	27	22	27	24	27	26	27	28	27	30	28	30	28	25	30	20	28	30		
	28	05	25	17	26	32	26	29																
	28	11	23	10			24	38	24	26	24	30	25	21	23	32	24	26	24	67				
	28	17	24	16																				
	28	23	24	10	29	19	30	22	29	29	28	36	27	32	26	45								
3	01	05	29	23																				
	01	11	29	30																				
	01	17	30	30																				
	01	23																						
	02	05	24	15																				
	02	11	23	18	24	20	25	30	25	37	24	39	24	31	26	34	27	40						
	02	17	23	21	25	22																		
	02	23	23	19	25	25	28	37	27	33	25	34	26	45	26	43	26	49						
	03	05	25	21	26	25	28	30																
	03	11	25	20	25	25	26	34	26	33	25	30	25	45	25	50								
	03	17	24	23																				
	03	23	23	17	26	22	26	25	25	32	25	33	25	35	24	46	25	46						

Results of Upper Wind Observations,
MACQUARIE 1959

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	04	05	27	24	29	34	27	40																
	04	11	27	30	29	32	28	38	28	35	28	30												
	04	17	26	19	26	17																		
	04	23	27	24	29	37	28	35	27	34	27	36	26	40	26	42								
	05	05	26	19	27	17	27	16																
	05	11	25	14	27	24	27	24	26	30	26	30	26	42	25	42								
	05	17	28	10	27	14	26	17																
	05	23	21	05	34	25	33	26	36	30	34	30	34	33	33	45								
	06	05	32	14																				
	06	11	32	17																				
	06	17	31	15																				
	06	23	25	10	26	19	29	18	30	20	31	25	32	35	32	30	32	35						
	07	05	25	16	23	12	26	29																
	07	11	25	07																				
	07	17	25	06	28	09	28	13																
	07	23	27	02	34	07	34	12																
	08	05	00	00	03	13	02	18																
	08	11	00	00																				
	08	17	08	10																				
	08	23	08	19																				
	09	05	09	21																				
	09	11	36	08																				
	09	17	28	08																				
	09	23	31	16	35	40	35	40	34	34	36	39	35	40	01	34	02	30	34	30				
	10	05	08	05	04	16	04	25																
	10	11	01	09																				
	10	17	18	10																				
	10	23	16	16	21	34																		
	11	05	16	17	33	30																		
	11	11	10	05																				
	11	17	23	14	26	30																		
	11	23	27	26	30	35																		
	12	05	27	23																				
	12	11	27	05																				
	12	17	27	09																				
	12	23	27	14																				
	13	05	29	17	23	36																		
	13	11	28	24																				
	13	17	28	17																				
	13	23	27	24																				
	14	05	30	17																				
	14	11	29	24																				
	14	17	27	24																				
	14	23	27	35	29	29	28	60																
	15	05	27	17	29	24																		
	15	11	26	17	29	25	29	30																
	15	17	27	12																				
	15	23	29	17	31	26	30	34																
	16	05	28	22	31	31	29	42	29	36														
	16	11	28	16																				
	16	17	23	09	25	17	25	30																
	16	23	24	22	25	24	25	33	26	33														
	17	05	26	21																				
	17	11	22	02																				
	17	17	23	12																				
	17	23	18	16	22	22	22	30	22	39	23	41												
	18	05	22	18	24	14	24	30																
	18	11	25	17	29	33	28	45																
	18	17	22	26																				
	18	23	22	37																				
	19	05	22	35	26	40	24	49	25	54	25	60	24	68	24	115	24	115	26	130	24	15		
	19	11	23	22	24	38	24	54	23	54	23	40	23	65										
	19	17	22	17																				
	19	23	16	02	24	10	24	26	22	60	23	53	23	60	23	72	22	100						
	20	05	23	16	27	26	27	28																
	20	11	27	19	28	30	27	36	27	40	27	36	27	32	27	64	27	56	27	64				
	20	17	27	17																				
	20	23	27	23																				
	21	05	27	22																				
	21	11	27	29																				
	21	17	27	26																				
	21	23	27	26																				
	22	05	28	23																				
	22	11	28	10	26	16	26	25	26	29	25	35	24	45	22	70	22	90						
	22	17	30	10																				
	22	23	32	20			34	30	34	43	34	48	34	45	33	60	33	70	33	85	33	95		
	23	05	29	23	33	41	31	57																
	23	11	28	22			31	40	31	45	31	45	32	42	31	40	31	50	32	55	32	55	32	55
	23	17	28	30	32	30	31	50																
	23	23	27	33	32	50	31	55	31	54	31	56	31	58	28	34	27	36	25	32	28	31	28	40
	24	05	24	35																				
	24	11	22	26	25	35	25	45	25	43	25	41	25	40	25	36	26	41	26	27	26	30		

Results of Upper Wind Observations,
MACQUARIE 1959

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	24	17	22	19	22	14																		
	24	23	22	17					20	34	19	29	21	34	22	42	22	73	23	66	23	100	22	75
	25	05	25	26	29	28	28	35	28	48	26	42												
	25	11	27	24	31	40	30	51	29	53	28	50	28	54	27	70	27	75						
	25	17	27	33																				
	25	23	23	26					26	45	26	56	26	60	25	60	26	77	26	82	26	91	26	80
	26	05	22	22	26	40	26	41																
	26	11	24	17	27	37	27	43	27	45	26	45	26	54	26	70	26	75	26	75				
	26	17	24	20	29	27	28	30																
	26	23	25	24	27	37	27	42	27	43	27	41	27	46	25	57	26	62	27	70	26	72	28	80
	27	05	24	24	27	32																		
	27	11	23	17	27	20	27	28	26	34	26	40	26	40	28	50	27	45	27	65	27	80		
	27	17	24	15																				
	27	23	24	17	27	26	27	33	26	29	26	32	26	36	26	51	26	60	26	53	25	59		
	28	05	23	23	26	51																		
	28	11	23	24	25	35	25	45	24	45	24	48	24	53	24	63	25	70	23	70				
	28	17	24	16																				
	28	23	25	06									22	48	22	56	21	62	22	70	22	78	22	80
	29	05	23	04	26	22																		
	29	11	27	10	30	17	30	19	28	16	27	22	28	23	27	34	25	37	27	37	24	50		
	29	17	27	15																				
	29	23	28	21	31	41	31	44	31	33	30	30	29	36	29	37	29	44	28	45	28	50	28	55
	30	05	29	23																				
	30	11	31	25	31	45	29	55	30	54														
	30	17	25	20																				
	30	23	23	30	24	40	26	56	26	45	25	50	26	50	25	53	25	65	24	74	24	67	27	65
	31	05	24	23																				
	31	11	23	23	26	36	27	37	26	40	26	45	25	60	24	80	24	92	26	110				
	31	17	23	18																				
	31	23	22	14	25	30	25	31	24	37	24	43	23	47	24	53	23	76	24	100				
4	01	05	22	23																				
	01	11	22	24			25	36	24	39	23	46	22	39	23	52								
	01	17	23	10																				
	01	23	25	13			28	25	27	29	26	30	27	27	27	39	27	33	27	40	29	37	27	57
	02	05	25	10	30	14																		
	02	11	27	21	32	40	31	50	31	43	31	40	30	40										
	02	17	27	22																				
	02	23	27	26			32	51	31	49	30	48	29	45	30	52	30	54	29	53	30	61	31	68
	03	05	28	21																				
	03	11	25	06	29	29	28	45	29	36	29	40	30	49	30	50	30	80	30	61				
	03	17	25	15																				
	03	23	25	20			28	40	28	40	28	47	29	52	29	72	29	85	29	78				
	04	05	26	23	27	37																		
	04	11	23	20	28	20	29	33	28	37	28	37	29	41	29	55	29	52	29	70	28	58		
	04	17	25	16	28	28																		
	04	23	26	22			29	26	29	28	29	29	30	29	30	40	29	40	30	40	31	60	31	63
	05	05	23	10	27	16	27	15																
	05	11	07	04					11	07	34	06	33	15	29	19	29	30	30	30	29	48		
	05	17	08	24																				
	05	23	09	30					13	33	13	25			11	10	12	13	10	19	09	45		
	06	05	11	30																				
	06	11	13	17									18	09	19	10	20	31	25	20	26	24	27	32
	06	17	13	16																				
	06	23	13	25					17	14	14	09	21	13	21	16	20	18	30	39	30	33	32	31
	07	05	13	25																				
	07	11	11	20			14	17	14	11	14	07	14	10	25	08	24	22	28	52	28	84	27	63
	07	17	09	09																				
	07	23	09	18									33	08	13	04	17	22	11	30	13	40	18	85
	08	05	10	16																				
	08	11	11	16							09	12	01	10	02	23	08	49	11	43	09	58		
	08	17	12	07	09	15	04	38																
	08	23	12	12	08	19	06	30	06	31	05	31	05	25	03	27	02	32	02	33	01	55	02	65
	09	05	12	16																				
	09	11	12	13							36	15	34	09	33	13	35	20	35	25				
	09	17	27	01																				
	09	23	00	00	26	05	28	11	31	17	31	16	30	19	33	21	31	22	30	34	31	44	31	46
	10	05	18	04																				
	10	11	00	00																				
	10	17	36	01																				
	10	23	22	18	26	26	22	26	23	22	23	21	23	28	22	34	20	75	21	85	22	46	24	45
	11	05	22	12																				
	11	11	21	16			26	26	26	35	25	40	24	35	24	35								
	11	17	26	25																				
	11	23	25	25	27	42	27	50	27	54														
	12	05	22	33	25	23																		
	12	11	22	30	25	40	25	42	24	46	24	59	24	63	25	85								
	12	17	20	23																				
	12	23	23	14	26	16	26	27	26	27	23	48	24	70	24	62	24	76	25	80	25	76	24	100
	13	05	27	04	31	10																		
	13	11	27	06	30	20	29	26	29	35	28	38	27	38	26	45	26	45	25	58	26	40		
	13	17	27	06																				
	13	23	27	19			31	18	32	09	31	06	29	06	30	13	30	12						
	14	05	27	24																				
	14	11	25	16									31	35										

Results of Upper Wind Observations,
MACQUARIE 1959

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	14	17	25	09	26	33																		
	14	23	25	16	26	18	28	33																
	15	05	24	01																				
	15	11	12	05																				
	15	17	14	05																				
	15	23	14	05	21	14	21	22	21	25	20	27												
	16	05	00	00																				
	16	11	23	12					24	24	23	27	24	30	23	40	22	37	21	41				
	16	17	24	19																				
	16	23	24	12			27	20	29	26	32	40	28	41	28	27	29	15	27	33	27	32	27	29
	17	05	26	17																				
	17	11	27	20			30	30	28	46	28	40	29	46	30	41	31	42	31	44	30	60	30	52
	17	17	27	26																				
	17	23	27	19			28	30	28	38	28	39	29	42	32	57	32	63	31	65	31	75	32	43
	18	05	25	16	28	31																		
	18	11	27	16	30	34	30	34	28	43	29	27	29	42	28	56	27	62	27	77	27	75	29	60
	18	17	29	20	34	27																		
	18	23	26	43	30	28	30	60	30	60	29	59	29	71	29	65	28	74	28	82	28	90		
	19	05	23	38																				
	19	11	25	34	26	35	25	52	26	47	26	48	25	50	26	70	25	77	25	81	26	84	27	87
	19	17	22	17	24	34																		
	19	23	27	10	25	21	24	23	26	20	24	25	26	23	25	38	26	55	24	64	24	77	23	77
	20	05	27	06	33	13	32	18	30	19	27	22	25	38	26	35	25	47	25	65	25	72	25	87
	20	11	31	12	35	17	31	37	31	36	28	25	31	27	27	40	26	75	26	50	26	59	25	72
	20	17	27	21																				
	20	23	26	20	27	35	29	45	28	40	28	45	28	51	28	44	28	53	26	62	26	63	24	73
	21	05	25	15																				
	21	11	23	15			27	33	27	34	26	38	27	33	26	49	26	55	25	68	24	70	25	69
	21	17	27	02																				
	21	23	27	07			31	23	30	18	28	21	29	25	29	23	29	40	29	54	29	62	29	68
	22	05	27	07																				
	22	11	29	15	30	20	30	62	30	40	32	51	33	46	35	80	32	45	32	59	33	40	32	67
	22	17	27	13																				
	22	23	26	07	30	26	29	25	28	40	30	34	30	40	30	43	31	65	34	112	34	113	32	125
	23	05	28	04	32	40																		
	23	11	27	23			28	41	28	47	28	52	28	54	29	85	29	105	28	110	27	130	28	112
	23	17	27	17	30	48	28	57																
	23	23	26	14					29	37	28	46	28	62	28	63	28	72	28	88	28	92	28	98
	24	05	26	16																				
	24	11	27	22			31	38	31	44	32	45	32	46	30	65	32	75	31	70	31	76	32	50
	24	17	29	19																				
	24	23	29	19	31	35	32	36	32	40	32	47	31	51	31	63	31	80	32	109	32	114	32	120
	25	05	23	21																				
	25	11	23	28			24	37	24	57	23	48	26	44	28	47	31	68	31	74	31	72	31	66
	25	17	23	23																				
	25	23	28	18			32	26	31	34	30	30	22	18	32	34	29	56	30	81	30	64	29	55
	26	05	29	25																				
	26	11	22	09			29	11	30	17	30	30	30	16	33	35	28	41	30	45	30	39	30	40
	26	17	23	06	26	21	26	19	27	19														
	26	23	23	08			26	16	26	18	26	16	24	11	24	10	24	13	25	10				
	27	05	22	14																				
	27	11	16	04	24	08	28	25	30	28	30	25	31	26	32	35	32	27	32	40	34	39	28	60
	27	17	14	20																				
	27	23	16	16																				
	28	05	14	14																				
	28	11	14	06			24	30	27	30	23	12	24	45	19	40	23	80	24	85	23	60	22	89
	28	17	00	00																				
	28	23	34	10			33	26	28	23	26	23	23	40	27	37	27	53	27	60	27	65	27	61
	29	05	23	16																				
	29	11	22	11									25	38	27	46	27	58	27	65	27	65	27	90
	29	17	31	20																				
	29	23	27	55	31	68	31	77	30	91	29	87	29	82	30	82								
	30	05	24	40																				
	30	11	23	24	27	35	26	65	25	52	27	61	27	50	27	65	26	76	25	80				
	30	17	25	44																				
	30	23	26	33	25	45	25	54	26	55	26	51	26	48	26	51	26	91	26	114	26	98	27	62
5	01	05	24	27	27	56	26	41																
	01	11	23	22																				
	01	17	30	03																				
	01	23	29	05	31	10	33	17	35	16	34	15	34	16	30	23	30	23	30	25	32	24	31	22
	02	05	18	03																				
	02	11	13	10	15	10	16	12	16	14	17	11	16	13	19	12	21	08	23	03	19	10	22	19
	02	17	13	20																				
	02	23	15	05					22	22	23	23	23	22	24	35	25	68						
	03	05	24	15	27	21																		
	03	11	25	20	31	30	29	39	28	35	27	30	24	18	27	32	26	41	25	46	24	56	23	53
	03	17	27	20	28	28																		
	03	23	14	20			20	40	20	42	22	36	26	30	30	58	32	57	23	57	23	55	25	53
	04	05	14	21																				
	04	11	14	14	19	14	21	30	20	36	21	43	21	50	20	69	20	84	20	93				
	04	17	18	05																				
	04	23	23	07	25	10	24	12	20	18	21	20	21	21	20	30	21	34	21	41	21	46	21	54

Results of Upper Wind Observations,
MACQUARIE 1959

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	05	05	27	10	23	10																		
	05	11	27	10			34	16	36	10	36	12	36	15	30	09	29	03	20	09	16	19	23	30
	05	17	29	17																				
	05	23	29	20	31	25	34	28	35	27	35	31	35	31	36	32	01	31	01	28	03	33	04	39
	06	05	30	17	34	25																		
	06	11	27	17	32	20	31	30	32	36	32	34	32	33	33	40	34	58	34	60				
	06	17	27	16																				
	06	23	26	12			29	25	29	25	28	23	29	23	30	20	30	18	27	22	26	28	24	37
	07	05	26	15																				
	07	11	27	15	28	18	29	22	28	22	28	34	29	36	28	35	28	40	27	46	27	42	25	50
	07	17	26	08																				
	07	23	27	23	31	32	32	40	31	48	31	41	32	50	31	44	31	45	31	49	30	47	30	46
	08	05	28	34																				
	08	11	26	26	30	21	30	38	30	44	31	61	32	73	32	93	31	99						
	08	17	26	25	29	30	30	38																
	08	23	28	16	28	15	29	12	28	16	30	14	27	07	26	11	23	14	28	20	31	38	31	33
	09	05	14	17																				
	09	11	19	02			24	25	24	21	23	23	24	27	22	43	21	58	20	67	21	81	21	87
	09	17	25	15																				
	09	23	22	23					26	38	24	47	24	48	23	67	23	78	23	90				
	10	05	23	20	24	30	22	42																
	10	11	22	20	24	30	24	33	24	37	24	52	24	51	24	70	23	90	23	102				
	10	17	23	13																				
	10	23	23	25			25	24	25	45	27	50	25	65	24	78	25	94						
	11	05	22	14																				
	11	11	30	09			28	38	28	45	28	55	28	61	27	65	26	63	27	90	27	102		
	11	17	27	28																				
	11	23	27	39							28	37	29	43	31	49	31	60	31	65				
	12	05	16	35																				
	12	11	18	16					22	39	21	39	20	54	20	60	19	60	19	60				
	12	17	22	30																				
	12	23	22	22							24	45	24	42	24	40	22	35	22	35	23	32	20	27
	13	05	23	22	27	35																		
	13	11	25	17	28	20	28	31	28	32	27	31	28	31	29	23	28	30	29	32	31	50	31	50
	13	17	26	23	28	23	31	23	30	19	23	41												
	13	23	27	24	32	36	31	30	29	37	31	40	31	40	31	45	31	52	32	55				
	14	05	29	21	33	34																		
	14	11	29	24			32	43	32	38	32	54	31	44	31	43	30	50	31	48	31	50		
	14	17	27	27																				
	14	23	24	18	29	28	28	30	28	33	31	30	30	32	32	49	33	90	32	100	32	81		
	15	05	23	19																				
	15	11	22	22	26	25	26	30	24	33	24	39	24	30	23	48	21	55	21	70				
	15	17	23	24	25	19																		
	15	23	22	20	25	29	24	28	23	40														
	16	05	23	16																				
	16	11	23	09			25	20	24	27	25	26	25	26	26	37								
	16	17	25	16	29	32	29	24																
	16	23	27	16	30	30	28	30	26	30	27	34	28	20	27	38	27	38	26	40	27	45	27	45
	17	05	27	16																				
	17	11	26	16	28	18	28	15	29	37	29	36	27	30	27	30	26	46	26	35	25	37	24	61
	17	17	27	10																				
	17	23	26	13	29	30	27	34	27	29	27	20	27	15	29	20	29	12	22	10	20	19	16	20
	18	05	24	16																				
	18	11	26	15	30	33	31	39	31	36	31	36	31	45	28	23	03	11	35	40	02	17	01	35
	18	17	27	18																				
	18	23	27	14	33	20	34	31	32	39	32	41	33	35	34	46	34	45	34	48	33	43	32	40
	19	05	28	15																				
	19	11	29	22			33	33	33	50	34	36	34	34	34	33	34	31	33	30	34	33		
	19	17	29	17																				
	19	23	31	16	35	20	36	40	35	47	35	52	35	56	35	50	34	54	33	53	35	70	33	58
	20	05	31	22																				
	20	11	29	13	33	27	31	28	33	30	34	38	34	53	34	64	35	87	34	90				
	20	17	29	21	33	28	32	33																
	20	23	23	30			23	48	27	55	29	31	33	60										
	21	05	23	16	23	16	22	37																
	21	11	23	10	25	15	24	32	25	31	25	27	25	31	26	29	27	32	28	33	29	30	26	36
	21	17	18	05																				
	21	23	22	05							23	30	24	36	21	55	21	76	21	86	21	73	22	57
	22	05	18	04																				
	22	11	22	12			24	25	25	30	25	32	24	34	24	35	25	49						
	22	17	23	09	25	32	24	33																
	22	23	13	10					23	22	23	23	24	24	24	18	27	32	27	35	28	33	27	25
	23	05	14	12																				
	23	11	13	10					21	29	22	27	21	32	20	18	18	15	26	07	24	18	25	25
	23	17	14	04																				
	23	23	16	05					22	28	23	36	21	24	20	30	21	35	21	40	21	41	21	29
	24	05	16	03																				
	24	11	18	02			22	17	23	15	23	16	24	16	23	18	21	34	21	36	21	35		
	24	17	16	02																				
	24	23	15	09					18	12	19	14	19	19	19	34	19	46	20	53	20	49	19	47
	25	05	14	10																				
	25	11	13	02					20	11	21	17	19	21	19	38	19	77	19	96	20	112		
	25	17	26	05																				
	25	23	27	20	26	30	21	40	23	41	24	42	23	50	23	62	23	88	22	104	22	125	22	101
	26	05	14	07																				
	26	11	00	00							26	09	27	19	25	43	25	33	26	48	26	53	26	64
	26	17	04	05																				
	26	23	12	16			12	22	12	20	11	21	09	16	06	11	07	13	06	26	07	35	03	16

Results of Upper Wind Observations,
MACQUARIE 1959

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	27	05	13	11																				
	27	11	14	12			21	25	22	28	21	15	23	18	32	16	35	30	36	40	35	33		
	27	17	13	07																				
	27	23	15	09	18	15	19	24	20	25	20	19	20	19	18	16	04	34	06	35	05	10	19	15
	28	05	11	35																				
	28	11	13	40																				
	28	17	13	30																				
	28	23	14	21	16	25	19	30	18	28	17	24	19	20	21	24	17	58	17	74	17	70		
	29	05	14	15																				
	29	11	13	12			20	25	19	31	19	34	19	39	19	53	19	63	18	94	18	80		
	29	17	13	02																				
	29	23	14	05			19	21	21	27	19	28	18	33	17	34	17	34	17	42	18	65	18	75
	30	05	13	07																				
	30	11	14	09					06	35	08	30	09	34	21	35								
	30	17	23	17																				
	30	23	23	20	25	30	23	29	21	22	21	18	21	35	23	36	23	38	23	44	24	46	23	48
	31	05	18	05	20	08	22	08																
	31	11	22	10					22	30	24	28	24	43	25	75	25	62	24	44	24	51		
	31	17	25	11																				
	31	23	25	21	27	35	26	42	25	48	25	41	24	42	24	40	23	48	25	41	24	44	23	44
6	01	05	23	24																				
	01	11	23	22			23	35	25	36	24	30	20	50										
	01	17	25	26																				
	01	23	22	19																				
	02	05	25	35																				
	02	11	23	28			24	50	24	52	24	56	26	58	23	60								
	02	17	13	09																				
	02	23	13	12			21	33	20	32	20	38	21	43	22	85								
	03	05	15	05																				
	03	11	11	18	11	18	20	16	09	26	10	35	08	60										
	03	17	13	01																				
	03	23	30	08			34	35	28	34	26	38	25	39	26	33	24	36	24	40	24	55	25	75
	04	05	28	20																				
	04	11	27	25	30	35	28	60	28	62	27	56	27	55	27	50								
	04	17	23	20																				
	04	23	27	26	27	40	29	38	28	42	28	55	28	53	29	50	28	62	29	55				
	05	05	23	15																				
	05	11	23	24	26	35	27	42	28	42	28	43	27	41	28	40	30	50	31	60	30	57		
	05	17	18	03																				
	05	23	13	26	25	20	26	31	26	31	26	34	25	46	24	47								
	06	05	13	12																				
	06	11	00	00							23	30	22	30	23	38	23	53	23	62	22	72		
	06	17	27	18																				
	06	23	27	22	31	35	28	48	27	31	26	33	25	38	25	51	25	58	25	63	25	85		
	07	05	23	10																				
	07	11	26	08			26	30	26	31	28	39	29	42	28	40	27	95	27	50	28	44		
	07	17	27	20																				
	07	23	26	19	29	40	28	42	27	43	28	44	27	48	28	50	28	45	27	50	26	66	26	61
	08	05	25	21																				
	08	11	27	21	30	30	30	51	29	70	30	42	31	42	30	61	31	55	29	63	30	40		
	08	17	27	20																				
	08	23	27	17	27	20	28	33	28	33	28	39	28	40	30	60	31	81	30	74	29	97		
	09	05	23	13	28	25																		
	09	11	25	22	30	26	30	29	29	32	28	35	29	40	29	45	30	55	29	59	29	53		
	09	17	23	13	26	27																		
	09	23	27	20	25	20	26	32	26	25	26	22	24	25	22	22	21	37	23	37	22	50	26	31
	10	05	23	16																				
	10	11	21	13					26	30	24	27	24	45	24	40	24	40						
	10	17	27	30																				
	10	23	27	24			30	42	29	40	30	36	30	55	29	51	30	68						
	11	05	25	25																				
	11	11	28	27	31	37	30	34	30	34	29	34	30	37	30	44	29	38	30	47				
	11	17	20	05																				
	11	23	23	11			27	25	25	25	25	28	26	31	25	25	26	50	26	35	26	40	27	38
	12	05	18	05																				
	12	11	16	10	17	15	22	17	24	16	25	19	25	23	25	43	24	27	26	27	27	32	27	33
	12	17	13	09																				
	12	23	13	10			19	15	19	21	21	18	23	15	27	21	29	31	29	40	27	30	27	33
	13	05	13	09																				
	13	11	24	08			26	24	26	08	25	19												
	13	17	29	30																				
	13	23	23	26																				
	14	05	23	23																				
	14	11	21	06			23	23	23	22	23	16	24	21	26	25	25	25	25	35	25	52		
	14	17	19	14																				
	14	23	00	00	23	05	29	10					26	58	24	78	24	114	23	140	23	145		
	15	05	23	24	26	54																		
	15	11	23	10	28	15	28	28	27	32	26	46	26	55	26	75	25	70	24	70				
	15	17	07	07																				
	15	23	12	05	18	07	25	15	26	22	26	35	25	50	25	60	25	70	25	88	25	70	25	65
	16	05	26	14																				
	16	11	25	22	31	35	28	50	27	54	28	55	28	55	28	45	28	76						
	16	17	23	30																				

Results of Upper Wind Observations,
MACQUARIE 1959

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
6	16	23	24	33					27	68	27	95	28	65	28	40	28	75	28	55	27	80	22	85
	17	05	25	20																				
	17	11	23	27	25	35	27	40	28	47	27	58	27	70	27	77	27	84	27	100				
	17	17	27	40																				
	17	23	24	21			25	60	28	60	27	60	27	124	27	60	28	75	27	135	29	130		
	18	05	27	30																				
	18	11	29	15	32	31	30	32	30	38	29	41	29	40	29	50	29	68	29	71	29	75	29	94
	18	17	31	30																				
	18	23	28	30	30	53	29	60	29	59	30	62	29	57	29	58	29	65	29	65	29	75	29	82
	19	05	22	17																				
	19	11	27	30	27	29	28	24	28	17														
	19	17	29	30																				
	19	23	27	22	30	30	28	35	30	35	31	50	30	50	31	77	31	85	32	82				
	20	05	27	20																				
	20	11	22	07																				
	20	17	25	16																				
	20	23	23	15					26	35	26	44	26	42	25	52	27	30						
	21	05	26	19																				
	21	11	23	26																				
	21	17	25	20																				
	21	23	25	20	25	25	25	35	24	38	23	41	23	46	23	80	23	90	23	89	23	95		
	22	05	23	18																				
	22	11	24	19					26	34	26	32	24	42	24	50	24	61						
	22	17	23	20																				
	22	23	29	17	29	18	30	25	29	30	27	27	31	45	27	27	28	45	29	50				
	23	05	26	18																				
	23	11	30	21			32	37	33	39	32	39												
	23	17	29	24	29	18	29	17	29	21														
	23	23	29	24			29	50	29	50	29	56	29	45	29	57								
	24	05	26	27																				
	24	11	27	31	31	58	30	60	29	60	30	73	30	69	30	79								
	24	17	27	30																				
	24	23	25	19																				
	25	05	25	20																				
	25	11	27	22																				
	25	17	27	20																				
	25	23	26	19	28	30	26	38	25	28	26	37	26	33	26	45	26	47	26	41				
	26	05	27	07																				
	26	11	27	15	29	25	28	30	28	35	28	40	29	29	27	38	28	48						
	26	17	28	24																				
	26	23	27	40			29	50	28	56	29	61	29	62	29	60								
	27	05	27	40																				
	27	11	22	30	23	41	22	28	23	30														
	27	17	22	25																				
	27	23	25	30			28	51	27	57	27	58	27	57	27	60	27	78	27	85				
	28	05	25	30																				
	28	11	25	30																				
	28	17	25	24																				
	28	23	26	25			28	35	28	43	27	51	28	50	28	70	28	77	28	75				
	29	05	26	26																				
	29	11	26	25																				
	29	17	26	17																				
	29	23	27	16			29	30	29	27	30	37	30	50	29	42								
	30	05	25	21																				
	30	11	25	30	29	38	29	45	29	54	29	45	26	33	25	33								
	30	17	23	30																				
	30	23	21	01			28	22	28	29	28	31	28	36	28	35	29	31						
7	01	05	23	17																				
	01	11	27	18																				
	01	17	25	17																				
	01	23	25	19					27	39	27	52	27	61										
	02	05	26	19																				
	02	11	22	06					26	20	27	33	27	33										
	02	17	22	22																				
	02	23	22	20					27	33	27	63	26	40	26	48	26	58						
	03	05	23	17	27	37	24	40																
	03	11	26	10							29	30	28	42	27	40								
	03	17	28	23																				
	03	23	31	20			34	53	34	47	34	45	34	41	34	44								
	04	05	20	30																				
	04	11	22	22																				
	04	17	22	12	22	18	24	33																
	04	23	22	20	28	25	27	35	27	43	27	42	26	44	25	55								
	05	05	25	27																				
	05	11	25	21			28	55	28	34	27	42	27	60										
	05	17	22	26																				
	05	23	23	17	28	25	27	40	27	50	27	58	27	62										
	06	05	26	27																				
	06	11	11	20																				
	06	17	22	17																				
	06	23	23	23					25	55	25	60												
	07	05	20	35																				

Results of Upper Wind Observations,
MACQUARIE 1959

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
7	07	11	16	25																				
	07	17	18	09																				
	07	23	21	10	25	11	24	22	23	24	23	46	22	42	23	60	22	64						
	08	05	26	17																				
	08	11	25	12	28	30	27	32	27	30	26	32												
	08	17	15	09																				
	08	23	22	17	24	31	25	35	25	38	26	38												
	09	05	22	30																				
	09	11	22	22			24	49	24	49	23	55												
	09	17	18	15																				
	09	23	22	16			26	32	25	44	23	55	23	53	23	61								
	10	05	23	24																				
	10	11	24	17	27	27	26	42	26	48	26	46	24	45	24	38	25	51						
	10	17	24	20																				
	10	23	24	22			26	50	25	51	26	58	26	60	25	52								
	11	05	25	21																				
	11	11	27	10	30	18	28	36	28	32	28	32	27	34	28	40	28	48						
	11	17	28	23																				
	11	23	28	19			30	42	29	41	30	45	29	47	29	55	27	60						
	12	05	25	18																				
	12	11	25	17	29	43	27	37	28	52	27	47	27	53	28	49	28	52						
	12	17	25	15	29	21	29	25																
	12	23	27	14	30	18	28	40	28	44	28	38	29	34	29	40	28	40						
	13	05	28	21	29	30																		
	13	11	28	27	32	50	30	57	30	46	30	48	29	54	29	50	29	60	29	55	29	60	29	65
	13	17	28	24																				
	13	23	29	26	31	35	35	61	33	62	33	55	33	59	33	50	33	50	32	56	33	57	31	48
	14	05	28	24																				
	14	11	25	19			29	30	28	30	29	37	28	45	26	60	27	73	26	75	26	78		
	14	17	26	35																				
	14	23	25	10			28	18	30	15	29	14	29	42	30	60	30	70	30	83	30	101	30	75
	15	05	00	00	24	19	23	20	24	27														
	15	11	23	19			26	38	26	43	26	43												
	15	17	22	23																				
	15	23	22	15	26	37	26	31	25	31	25	33	26	38	25	48	25	74	27	45	28	61	28	62
	16	05	23	15	25	33	26	32	25	31	26	29												
	16	11	29	08			30	21	28	27	28	22	27	26	27	29	28	48	29	80	27	70	26	57
	16	17	20	15																				
	16	23	22	16	25	31	24	30	25	31	24	37	24	48	23	72	23	95	23	110	22	114	21	117
	17	05	27	10	31	23	31	39																
	17	11	27	25	31	53	29	56	28	52	29	53	29	57	29	53	27	58	27	71	26	90	25	114
	17	17	28	35																				
	17	23	26	38	30	62	28	78	28	77	28	77	29	77	29	92	28	143	28	155	28	145	28	130
	18	05	25	35	29	50																		
	18	11	24	30	27	45	27	52	27	55	28	60	28	55	28	50	28	78	28	125	29	109	29	120
	18	17	25	26																				
	18	23	23	19	27	35	27	37	28	44	28	40	28	46	29	51	31	80	30	80	30	65	29	73
	19	05	22	25	25	32																		
	19	11	24	25	27	28	28	35	28	34	29	46	27	43	26	58	26	66	26	80	25	93	24	98
	19	17	24	26																				
	19	23	23	21	24	38	24	48	24	44	24	45	24	48	23	85	23	90	24	92	24	91	24	78
	20	05	22	26	25	55																		
	20	11	23	08			26	30	25	35	25	37	25	45	25	46	24	55	24	55	24	55	25	65
	20	17	25	16	27	48																		
	20	23	24	09	27	27	27	17	25	24	26	22	25	30	25	32	25	43	24	41	25	54	23	58
	21	05	26	03																				
	21	11	27	04			29	23	29	09	30	10	31	11	29	20	29	26	30	30	31	22	30	21
	21	17	00	00																				
	21	23	31	13			36	20	35	30	36	30	35	28	35	23	32	22	30	28	28	46	28	73
	22	05	32	10																				
	22	11	31	14			01	40	34	31	36	29	36	27	34	30	33	30	31	42	29	50	29	62
	22	17	32	08																				
	22	23	23	04			03	20					03	23			33	35	31	35	32	32	30	25
	23	05	32	04	03	09																		
	23	11	32	04									36	37	01	39	01	43	36	40	34	36	35	41
	23	17	30	22																				
	23	23	31	20	33	35	36	44	34	35	35	48	35	49	35	42	34	36	34	44	34	45	34	49
	24	05	32	09																				
	24	11	29	10			34	30	34	20	34	20	33	24	34	28	33	33	33	30	32	38	33	50
	24	17	29	05	36	15	35	15																
	24	23	30	10	36	25	34	27	34	29	33	22	34	18	34	23	36	08	35	32	34	47	33	51
	25	05	30	13																				
	25	11	31	12			34	25	32	25	33	18	33	23	33	17	31	25	31	33	32	35	31	30
	25	17	30	12	33	23																		
	25	23	31	09	34	20	33	20	34	20	33	25	33	24	32	19	32	23	33	23	34	33	33	24
	26	05	30	05	34	17	33	10	33	20	33	19	34	15	34	17	33	18	33	25	33	25	33	30
	26	11	30	06			34	19	34	20	34	23	35	20	34	18	34	21	34	25	34	33	34	30
	26	17	29	04																				
	26	23	31	07	35	18	33	19	33	20	32	22	32	18	05	11	08	14	09	16	08	19	06	26
	27	05	31	03	34	10	34	08	35	12	34	12	33	09										
	27	11	00	00					01	14	06	14	07	12	04	15	35	35	06	16	09	33	13	35
	27	17	07	05																				
	27	23	08	10			07	15	05	20	03	22	03	18	05	19	04	20	03	22	06	15	11	35
	28	05	07	04																				
	28	11	36	03			04	20	04	22	04	21	04	21	05	18	04	22	04	21	04	30	05	25
	28	17	36	03																				
	28	23	31	07			36	23	36	25	35	22	34	20	35	18	36	20	32	15	31	22	33	23

Results of Upper Wind Observations,
MACQUARIE 1959

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
7	29	05	31	17																				
	29	11	28	12			33	25	33	30	35	31	31	34	32	34	34	32	29	45				
	29	17	29	12																				
	29	23	28	04	33	18	33	20	01	26	36	28	36	30	35	35	36	59						
	30	05	23	16	29	20	29	33	29	34														
	30	11	27	16	32	25	31	24	30	24	29	28	31	32	31	38	31	37	32	46	32	53	31	53
	30	17	23	13																				
	30	23	23	21	27	30	29	37	29	36	30	39	28	42	27	44	28	43	27	35	28	46	29	45
	31	05	25	24	29	28	28	33	29	35														
	31	11	23	16	29	38	29	34	28	33	28	41	29	37	29	42	29	45	28	40	29	50		
	31	17	22	21	25	29																		
	31	23	23	20	27	35	28	38	28	31	28	28	27	33	26	45	26	66	25	97	26	95	25	98
8	01	05	25	15	30	22	30	17																
	01	11	29	13							34	25	30	29	29	38	29	43	29	42	30	49		
	01	17	25	14																				
	01	23	26	12	30	25	29	25	29	35	29	28	29	38	29	42	29	45	28	38	27	36	29	46
	02	05	27	09																				
	02	11	27	12	31	25	33	32	34	35	34	33	33	30	32	37	31	39	32	46				
	02	17	28	12																				
	02	23	30	12			36	40	01	39	01	30	01	30	01	33	35	41	35	49	34	53	35	56
	03	05	25	03																				
	03	11	27	03	35	19	36	21	36	26	36	26	36	28	36	35	01	53	01	53	36	53		
	03	17	00	00																				
	03	23	00	00	03	15			02	22	02	23	36	19	36	19	35	22	34	26	35	21	32	21
	04	05	25	16																				
	04	11	22	16	27	35	27	35	28	32	28	27	27	27	28	30	27	36	27	38	28	35	28	42
	04	17	22	05	27	22																		
	04	23	00	00	36	11	02	15	36	18	34	18	34	23	32	27	32	30	31	27	31	29	31	33
	05	05	03	09	08	17																		
	05	11	32	06							01	20	36	21	34	21	32	23	29	36	31	40	31	32
	05	17	31	02																				
	05	23	00	00					02	10	26	22	31	10	34	25	34	29						
	06	05	31	06	35	33	34	37																
	06	11	33	25	35	45	35	48	35	54	36	52	35	65	35	70								
	06	17	31	18																				
	06	23	28	10	29	20	28	23	27	24	31	19	33	24	31	20	31	20	32	20				
	07	05	25	17	24	13	25	18																
	07	11	25	17	26	21	25	19	26	20	24	18	23	44	23	30	22	47						
	07	17	26	19																				
	07	23	28	16	30	18	29	17	29	17	28	20	27	24	28	28	28	30	28	29	29	31	30	32
	08	05	31	18	28	21	29	29																
	08	11	29	24			30	27	31	25	31	27	31	26	31	20	32	27						
	08	17	32	30																				
	08	23	33	23	34	45	29	43	29	58	31	38	31	42	30	50	30	47	30	44	31	46	30	55
	09	05	31	22																				
	09	11	29	22	29	44	29	33	29	35	30	39	31	47	32	60	34	75	34	81	32	79		
	09	17	31	18	32	09	33	11	32	22	32	13	30	12										
	09	23	35	09	36	10	35	30	34	26	36	26	32	36	33	65	33	40	33	60	33	64		
	10	05	36	09																				
	10	11	36	20					01	45	01	55	36	59	36	67	36	72						
	10	17	33	24																				
	10	23	32	40			34	42	29	38	32	38	32	40	31	55	32	50	30	55	30	62	32	45
	11	05	30	33	31	38	31	38	30	38	30	40												
	11	11	28	35	29	35	27	47	32	54	29	36	28	29	28	30	28	40						
	11	17	27	31	27	30																		
	11	23	28	19	29	31	27	40	27	40	25	35	27	40	26	31	26	35	27	39	28	55	28	63
	12	05	30	18	01	32	28	45																
	12	11	30	08					30	08	30	14	30	13	31	09	32	13						
	12	17	04	08	36	16	01	17																
	12	23	00	00	06	20	05	31	03	35														
	13	05	04	17	06	43																		
	13	11	09	14	05	37	04	53	03	47	03	48	03	35	01	39	02	47	04	53	03	52		
	13	17	34	07																				
	13	23	29	16	27	20	28	20	28	30	33	25	33	31	34	30	35	37	34	35				
	14	05	28	10	27	08	27	20	27	18	30	21	32	23	33	29	34	37	34	38	36	40	32	46
	14	11	27	21	26	28	26	25	25	24	26	25	27	27	29	30	34	40	35	60	34	40		
	14	17	30	17																				
	14	23	30	17					28	38	28	45	28	36	30	52	28	51	27	37	27	25	28	42
	15	05	25	11	23	20	24	20	27	23	27	27	27	34										
	15	11	27	11			27	19	26	20	25	25	26	19	20	29	24	45	23	27	24	26		
	15	17	28	20																				
	15	23	29	24	29	35	27	23	27	23	27	23	27	21	25	20	25	31	25	30	23	43	24	51
	16	05	28	19																				
	16	11	29	24	28	30	27	32	28	33	27	34	26	34	25	44	24	60	25	46	26	46	25	47
	16	17	28	20																				
	16	23	28	20	28	30	28	39	28	37	28	43	28	45	27	42	27	51	27	52	26	63	26	77
	17	05	30	26																				
	17	11	24	36			24	30	23	30	25	38	25	49	26	35	26	70	26	85	26	65	26	60
	17	17	26	16																				
	17	23	30	30					27	54	26	60	26	60	26	55								

Results of Upper Wind Observations,
MACQUARIE 1959

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	18	05	27	18																				
	18	11	29	25	29	40	28	62	27	59	27	60	27	64	27	66								
	18	17	29	39																				
	18	23	29	35			27	60	26	52	27	57	27	80	27	98	27	93	26	95				
	19	05	29	20																				
	19	11	27	13			28	20	27	32	27	41	27	49	27	50	27	53	27	60				
	19	17	30	10																				
	19	23	32	19	32	29	32	30	32	30	33	25	30	25	31	37	31	37	32	47	31	55	32	65
	20	05	33	14																				
	20	11	24	21	25	28	24	20	20	09	26	07	35	13	33	12	34	11	23	20	21	42	23	52
	20	17	26	22	26	16																		
	20	23	32	28	29	35	29	43	28	40	28	45	27	55	28	70	27	50						
	21	05	27	20																				
	21	11	27	21	28	42	29	29	29	36	28	40	28	44	30	60	29	73						
	21	17	25	30	26	34	28	34																
	21	23	22	20			23	41	23	48	23	45	24	43	24	45	23	85	23	90				
	22	05	21	10																				
	22	11	30	10			34	23	25	25	26	35	24	40	25	40	24	40	24	40	24	36		
	22	17	36	07																				
	22	23	25	23	25	27	25	28	24	30	23	32	23	35	23	53	23	60	23	67	22	76	21	88
	23	05	28	28																				
	23	11	29	17	28	25	27	36	27	35	27	35	27	35	27	40	27	36						
	23	17	30	34																				
	23	23	24	37	23	43	22	56	22	63	23	64	23	60	24	62	24	62	25	65	25	68	25	75
	24	05	25	40	24	70																		
	24	11	26	30	29	30	28	33	27	42	27	41	27	46	26	62	25	63	26	80	25	69	25	66
	24	17	27	28																				
	24	23	28	22	29	31	28	38	27	44	27	45	28	51	27	58	25	66	25	73	26	88	25	100
	25	05	29	30																				
	25	11	31	50	31	50	29	106	30	60	30	72	29	67	30	52	30	77						
	25	17	26	26																				
	25	23	27	27			29	48	27	46	27	50	27	70	27	56	27	62	28	71	27	60	25	90
	26	05	25	32	26	27	26	30	26	35														
	26	11	25	27	25	35	26	53	26	50	27	47	26	44	25	58	24	60						
	26	17	30	45																				
	26	23	27	37	25	44	26	44																
	27	05	29	21	31	18																		
	27	11	30	30	29	40	28	54	27	56	28	56	28	60	27	60								
	27	17	30	48																				
	27	23	26	50	27	49	26	56	26	60	26	57	26	58	26	66	27	70	27	80				
	28	05	26	40	25	34																		
	28	11	25	33	25	45	25	47	25	48	25	48	26	51	25	48	25	62	25	64	24	70	24	75
	28	17	28	50																				
	28	23	24	04																				
	29	05	31	22																				
	29	11	28	27	29	43	28	41	28	42	28	41	27	46	27	43	26	56	26	57	25	53		
	29	17	30	28																				
	29	23	30	40	32	60	31	65	31	60	31	51	31	60	31	66	31	65	31	65	31	88	31	78
	30	05	32	43	34	40																		
	30	11	29	31	29	45	29	63	31	65	32	64	32	72										
	30	17	28	35																				
	30	23	27	35	28	41	28	43	28	40	29	56	29	58	30	59	29	67	30	75	30	82	30	80
	31	05	27	26	27	44	26	25	26	51														
	31	11	29	28	30	34	29	38	29	36	29	40	28	40	27	38	26	38	24	43				
	31	17	30	31	30	35																		
	31	23	31	27	31	56	30	58	29	54	29	56	29	56	29	48	29	44	28	41	27	50	27	51
9	01	05	30	40	30	37	28	28	28	23														
	01	11	31	40	31	24	30	95	30	62	29	65	29	57	29	53	28	77	27	62				
	01	17	31	35																				
	01	23	31	35	32	49	31	58	30	52	30	60	30	60	31	55	31	56	31	64	31	65	31	63
	02	05	31	37																				
	02	11	30	30	26	30	26	26	26	32	27	26	31	26	29	19	28	25						
	02	17	27	26	25	35	25	31																
	02	23	29	15	28	25	28	33	28	35	28	39	27	51	25	48	25	80	24	77	24	86	24	83
	03	05	29	28																				
	03	11	29	40																				
	03	17	26	35																				
	03	23	28	24	28	28	28	31	26	47	26	51	26	50	25	64	25	83	24	97	24	78	25	95
	04	05	30	26																				
	04	11	30	30			31	40	31	28	31	30	31	33	30	60	29	74						
	04	17	30	44																				
	04	23	30	35			28	20	29	53	30	73	30	64	31	65	31	74	30	57	28	50		
	05	05	30	15	29	22	28	26	28	33	27	33	27	39	30	67	30	77						
	05	11	31	31			32	43	31	47	31	47	31	57	31	56	30	70	30	85				
	05	17	30	70																				
	05	23	28	35	29	35	28	44	28	55	28	39	28	62	28	79	29	83	28	92	27	91	28	105
	06	05	28	35	28	35	28	27																
	06	11	29	30	28	39	29	41	28	45	28	45	28	45	28	60	28	79	28	80				
	06	17	25	20	26	23																		
	06	23	25	35	25	35	24	45	25	46	24	54	24	50	24	67	22	111						
	07	05	26	28	26	21	26	34	26	30														
	07	11	30	39	30	38	31	92	28	60	28	63	28	62	27	63	28	63						
	07	17	31	42																				
	07	23	31	47	31	55	29	72	28	72	29	70	29	83	29	98	29	100	29	110	29	128	29	126

Results of Upper Wind Observations,
MACQUARIE 1959

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	08	05	28	30	29	80																		
	08	11	27	30	26	39	26	45	27	50	26	107	24	45	27	62	27	82	27	77				
	08	17	28	26	28	29																		
	08	23	29	30	28	37	29	43	28	44	28	43	27	44	26	65	24	88	25	104	25	122	25	100
	09	05	29	26	29	26	28	30	27	30														
	09	11	30	27			29	44	28	50	28	51	29	60	29	76	28	85	28	82	28	73		
	09	17	30	23																				
	09	23	30	26	30	48	30	56	29	47	29	47	28	46	28	38	29	62	29	59	28	51	28	55
	10	05	30	32																				
	10	11	30	30	31	42	29	53	29	45	29	60	29	64	29	74	28	94	28	94	29	94		
	10	17	31	30																				
	10	23	31	45	32	45	30	64	30	62	31	63	31	66	30	92								
	11	05	32	42																				
	11	11	31	42			32	44	31	78	31	75	32	74										
	11	17	30	30																				
	11	23	29	23			29	26	29	31	29	28	29	51	31	60	32	65	31	108	31	88	31	100
	12	05	27	38	28	41	28	38																
	12	11	26	30	26	30	26	35	27	36	29	59	27	45	28	46	27	66						
	12	17	26	30																				
	12	23	28	35	29	50	30	45	29	46	26	50	25	60	25	71	25	86	25	95	25	104	26	100
	13	05	31	35																				
	13	11	31	45	31	43	29	64	28	55														
	13	17	30	30	31	38	30	41																
	13	23	29	32	30	35	29	58	30	62	30	65	29	74	30	85	30	95						
	14	05	29	30	29	19	29	23																
	14	11	29	18	29	30	31	41	29	50	29	54	30	59	30	68	30	70	30	65	30	94		
	14	17	32	26																				
	14	23	30	26	30	30	29	35	30	36	30	40	30	40	31	55	31	58	31	55	31	64		
	15	05	27	30	29	21																		
	15	11	26	31	27	43	27	49	26	46	26	49	27	50	27	56	26	87	27	90	27	86		
	15	17	27	43																				
	15	23	27	25	28	25	28	36	28	45	28	50												
	16	05	29	20	29	28	29	32	29	32														
	16	11	30	19	30	30	28	36	28	41	27	35	27	43	28	60	28	70	28	80	28	80	29	83
	16	17	31	23																				
	16	23	31	23			32	49	31	30	33	28	28	22	32	29	31	36	32	47	32	49	32	52
	17	05	32	19																				
	17	11	30	13	30	18	29	22	29	18	28	16	28	26	30	38	31	45	32	55	33	60		
	17	17	16	13																				
	17	23	15	04																				
	18	05	26	11	27	18	28	24	31	32														
	18	11	22	03																				
	18	17	27	32																				
	18	23	26	28	27	35	27	37	27	33	27	39	27	45	27	48	26	49	25	58	25	58	25	61
	19	05	29	35																				
	19	11	29	32	29	38	28	50	30	46	28	47	27	58	28	65	28	62	27	66	28	65	28	65
	19	17	30	35																				
	19	23	26	31	27	36	27	33	27	35	27	37												
	20	05	26	28	27	19	27	34																
	20	11	27	30	26	40	26	50	26	48	27	66	27	50	27	55	28	83						
	20	17	27	22	27	26	27	29																
	20	23	26	30											25	65	24	66	25	70				
	21	05	26	17	27	18	25	20	25	17	24	31	24	35	25	45	25	51	26	50	26	50		
	21	11	29	23			28	25	28	31	28	32	27	36	26	43	25	48	24	43	23	53	24	52
	21	17	28	26	28	27	29	21																
	21	23	30	30	31	30	30	35	28	35	28	35	29	38	28	38	28	40	27	45	26	50		
	22	05	29	28	30	30	29	35																
	22	11	30	26	31	40	29	45	28	34	28	32	28	30	28	37	29	48	29	40	29	35	28	37
	22	17	31	20	33	20	32	18	33	16														
	22	23	30	08			30	05	29	13	28	13	27	21	30	23	31	21	32	20	31	40	30	39
	23	05	30	04	27	08																		
	23	11	00	00					36	03	36	07	33	02	31	02	32	02	32	04	32	04	32	03
	23	17	31	10																				
	23	23	30	08			29	19	27	21	30	12	30	15	31	18	32	25	33	40	34	48	32	30
	24	05	28	03	28	08	26	08	25	08	28	10	28	11	27	11								
	24	11	15	27																				
	24	17	15	11																				
	24	23	30	10			31	12	32	16	28	18	26	25	28	29	28	49	26	40	25	63	24	85
	25	05	31	26	33	27	32	20	32	21														
	25	11	31	26			32	47	28	97	33	24	30	24	31	28	32	24	29	41				
	25	17	32	29																				
	25	23	32	31	34	50	32	52	32	52	32	55	32	60	32	67	31	72	32	80	32	102		
	26	05	32	35																				
	26	11	31	20			31	22	31	25	31	41	29	50	32	46	30	68	31	55	31	46		
	26	17	32	19	31	32	29	33																
	26	23	33	06	33	08	33	08																
	27	05	33	04									31	22	32	70	32	80	33	85	32	90		
	27	11	32	10																				
	27	17	32	10					34	34	32	35	33	40	34	48	34	80	33	93	33	95		
	27	23	30	10	32	17	31	19																
	28	05	35	12	01	15	36	18	31	20	31	22	31	18	30	22	24	19	26	25	33	38	33	58
	28	11	36	08					35	24	35	27	35	26										
	28	17	36	10																				
	28	23	36	12	02	10					03	30	01	42	02	45	02	45	01	55				

Results of Upper Wind Observations,
MACQUARIE 1959

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	29	05	36	16					31	16	31	17	01	20	03	42	04	67	04	78	05	68		
	29	11	00	00																				
	29	17	34	07																				
	29	23	36	09			33	10	32	14	35	11	36	16	04	15	04	19	09	17	04	33	03	37
	30	05	36	01	36	08	01	07	36	08	01	11	36	10	01	09	36	09	35	09	01	09	01	10
	30	11	36	03					01	27	01	29	01	30	02	30	01	34	02	37	02	44	03	21
	30	17	34	12																				
	30	23	35	03							04	15	07	14	06	16	01	23	01	46	02	60		
0	01	05	16	14	17	20	16	17	14	13	15	23												
	01	11	17	22									18	20	16	20	13	30	11	20	14	22		
	01	17	23	18																				
	01	23	23	14	23	31	22	40	22	44	22	54	22	54	23	41	23	33	25	24	25	30	26	35
	02	05	27	30	26	25																		
	02	11	28	17	28	30	27	34	27	38	26	42	27	45	27	48	27	60	27	60	27	65		
	02	17	28	24	28	32																		
	02	23	23	17	22	25	21	30	21	31	24	31	24	31	23	15	26	30	26	28	26	28	26	28
	03	05	23	15	23	14																		
	03	11	22	20					23	36	20	33	21	35	20	37	21	37						
	03	17	23	22																				
	03	23	20	19			21	43	20	44	20	56	20	58	20	50	20	60	20	65				
	04	05	18	22																				
	04	11	18	22	20	35	20	42	19	44	19	42	20	49	19	60	20	76	19	99	20	104		
	04	17	18	25																				
	04	23	17	09			24	29			23	30	21	34										
	05	05	18	14	21	25																		
	05	11																						
	05	17	26	38																				
	05	23	26	30																				
	06	05	26	17	24	40	24	35																
	06	11	23	14			26	45	24	36														
	06	17	24	12																				
	06	23	26	22																				
	07	05	26	28																				
	07	11	26	23																				
	07	17	31	20																				
	07	23	30	17	30	35																		
	08	05	32	16																				
	08	11	32	26																				
	08	17	32	30																				
	08	23	31	25	32	44	30	47	31	55	31	44	31	52	30	53	30	56						
	09	05	32	22																				
	09	11	32	27			31	39	32	52	32	50	31	52	31	52	32	32						
	09	17	32	32																				
	09	23	32	34	32	42	30	39	31	44	31	48	32	66	32	75	33	68						
	10	05	29	18	28	18	27	19	28	18	28	17												
	10	11	33	10			33	21	32	22	32	25	32	21	32	27	31	21	33	15	32	37		
	10	17	29	24																				
	10	23	30	22	31	25	29	35	30	40	30	40	30	40	30	45	29	50	31	38				
	11	05	29	17	30	26	28	35																
	11	11	27	20	26	39	26	43	27	42	27	39	27	38	27	38	27	37	27	40	27	36		
	11	17	27	20																				
	11	23	27	18			24	26	24	24	26	23	21	25	21	32	22	27						
	12	05	26	16	26	37	24	24	23	26														
	12	11	29	26	28	39	28	36	28	35	28	43	27	43	27	42	27	51	27	55	27	70		
	12	17	27	25																				
	12	23	27	20	26	17	25	15	24	35	28	43	27	43	27	52	27	38						
	13	05	23	14																				
	13	11	18	17					20	32	21	35	22	45	21	48								
	13	17	17	05	21	11	21	28	21	34														
	13	23	23	18			22	26	22	22	22	30	21	33	19	35	19	34	21	26	21	27	22	34
	14	05	24	02																				
	14	11	27	08	26	15	25	13	24	12	24	18	22	19	21	17	19	13	15	11	13	15	17	25
	14	17	27	10																				
	14	23	28	19	29	23	30	19	29	22	30	28	30	25	30	25	30	22	30	20	27	18	23	19
	15	05	29	20																				
	15	11	31	21																				
	15	17	30	23																				
	15	23	31	19			29	30	26	32	27	36	27	30	25	18	25	22	25	26	24	25	24	26
	16	05	30	20	28	21	27	22	27	24														
	16	11	28	13	28	25	27	22	26	29	25	24	26	25	27	16	26	13	27	09	24	29	25	33
	16	17	27	17																				
	16	23	27	19	28	30	29	25	27	30	27	26	28	32	28	35	29	30	30	27	31	30	29	26
	17	05	28	20	28	19																		
	17	11	28	21	29	28	29	25	29	25	28	30	28	33	29	32	28	36	29	38				
	17	17	30	19																				
	17	23	31	21	31	28	31	27	30	25	30	33	32	24	32	30	31	35	31	39	32	44	33	40
	18	05	31	26	31	10																		
	18	11	31	23	31	30	30	36	30	29	30	36	30	35	30	42	30	44	31	45	30	40		
	18	17	23	13																				
	18	23	24	15	24	20	23	25	23	27	23	40	23	48	22	45	21	58	21	70	21	60	21	50
	19	05	26	22																				
	19	11	26	27	25	30	23	41	23	44	22	42	22	51	22	43	22	47	20	44				
	19	17	22	17																				
	19	23	25	26	26	32	23	37	24	30	23	30	22	43	23	41	24	45	21	42	23	35	20	68

Results of Upper Wind Observations,
MACQUARIE 1959

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
0	20	05	26	29	24	20																		
	20	11	25	25	25	47	25	41	24	43	24	50	24	47	24	50	24	52	24	53	24	55	25	57
	20	17	25	28																				
	20	23	28	38			27	68	27	45	27	62	27	66	27	75	29	85	28	86	28	99		
	21	05	28	29																				
	21	11	26	30			25	43	26	46	25	41	24	55	24	62	26	60	22	54	23	80		
	21	17	27	26																				
	21	23	27	35	28	53	27	58	27	62	26	68	26	72	26	93	25	93	26	102	26	102		
	22	05	26	34																				
	22	11	26	30	24	47	26	39	26	43	24	53	24	67	25	50	25	62	25	73				
	22	17	26	23																				
	22	23	28	23	27	40	27	50	27	48	26	45	26	64	27	67	27	75	27	95	27	90	27	110
	23	05	28	23																				
	23	11	28	20	28	29	28	33	27	35	27	44	27	45	28	55	28	70	28	80	28	87		
	23	17	28	12																				
	23	23	31	12	30	24	30	20	34	23	33	19	32	33	30	32	29	27	28	35				
	24	05	32	17																				
	24	11	33	19			33	40	33	35	33	31	34	33	32	30	32	47	32	51	31	55		
	24	17	33	22																				
	24	23	32	30	30	35	32	32	31	39	31	37	32	37	32	50								
	25	05	28	43																				
	25	11	28	50	29	46	28	58	29	58	28	60	28	65	28	71	28	83						
	25	17	32	22	34	24	33	30																
	25	23	34	37					34	50	35	53	33	58	35	58								
	26	05	32	26																				
	26	11	29	28	29	35	28	38	28	37	28	37	27	44	28	60	28	75	29	61				
	26	17	23	23																				
	26	23	29	17	28	20	28	22	28	30	27	33	26	40	26	45	26	55	27	59	28	60	28	60
	27	05	32	20	32	18																		
	27	11	31	23	31	28	29	36	29	32	29	29	29	37	27	39	26	47	25	62	25	71		
	27	17	31	30																				
	27	23	31	30			29	49	30	41	30	38	30	39	29	53	28	57	28	63	28	37	27	56
	28	05	31	28																				
	28	11	31	33	31	37	30	52	29	55	29	57	30	64	30	76	30	83						
	28	17	27	18																				
	28	23	28	12			29	33	28	37	26	36	26	44	27	58	27	77	27	55	27	62		
	29	05	28	19	28	25	26	35																
	29	11	27	17	27	29	26	40	26	43	27	38	26	44	26	60	25	60						
	29	17	30	26																				
	29	23	30	28	30	42	28	56	28	45	28	52	28	54	27	61	28	65	28	80	27	95		
	30	05	29	22																				
	30	11	29	18	28	27	28	30	28	41	29	47	28	54	28	59	28	73	27	77				
	30	17	30	10																				
	30	23	29	06			28	22	29	32	29	39	28	41	28	45	28	52	28	60	28	70	27	88
	31	05	30	02																				
	31	11	31	10	31	18	30	26	32	30	30	30	30	26	29	33	29	51	28	59				
	31	17	30	08																				
	31	23	00	00	18	38	25	32	23	37														
11	01	05	15	22																				
	01	11	16	25	17	28	16	21	19	24	18	20	20	13	23	19	26	17	29	24	28	25	31	42
	01	17	25	15																				
	01	23	25	20	26	24	26	30	26	35	26	33	26	34	27	48	26	46	28	50				
	02	05	26	18																				
	02	11	26	18	26	20	26	26	24	18	24	21	26	28	25	41	25	66	24	70				
	02	17	27	08																				
	02	23	31	02			33	22	30	19	30	21	30	25	29	29	30	37	28	42	27	65	27	43
	03	05	33	12	34	27																		
	03	11	32	11	32	25	34	26	33	31	32	25	30	26	27	42	26	36	26	36	24	43		
	03	17	32	16																				
	03	23	34	20							34	25	34	63	34	45	34	46	34	69	32	27		
	04	05	35	16																				
	04	11	05	07																				
	04	17	32	17	33	26																		
	04	23	34	11			35	55	34	49	33	43	33	47	33	57	33	67						
	05	05	33	10																				
	05	11	32	08	32	15	30	17	31	19	31	21	31	21	31	24	27	28	30	27	30	37	32	37
	05	17	26	20																				
	05	23	20	15			23	44	23	42	23	32	23	36	24	40	25	40	25	36				
	06	05	25	20																				
	06	11	25	20			25	51	24	91	26	65	25	64	26	65	26	62						
	06	17	24	22																				
	06	23	27	24	29	28	29	33	29	33	29	35	28	41	26	65	27	76	27	77				
	07	05	31	23																				
	07	11	30	28	33	43	30	54	31	55	31	59	31	58	31	57								
	07	17	23	25																				
	07	23	25	35	25	35	25	45	26	48	26	61	25	51	26	53	27	42	29	35				
	08	05	26	23																				
	08	11	26	20	27	29	26	30	27	32	27	34	27	39	27	54	26	51						
	08	17	25	10																				
	08	23	23	12	25	19	25	28	24	25	24	29	25	36	25	33	24	46	24	47	25	52		
	09	05	21	05	23	17	23	29																
	09	11	20	03			23	20	25	26	24	29	24	35	24	45	24	50	24	52	24	57		
	09	17	26	08	28	12																		
	09	23	28	12	27	20	26	35	26	25	26	27	26	34	27	49	24	50	26	61	26	52		

Results of Upper Wind Observations,
MACQUARIE 1959

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	10	05	26	17	25	28	25	36	26	34														
	10	11	29	22			27	39	26	33	25	33	25	35	25	44	23	58						
	10	17	29	25																				
	10	23	30	25	29	40	28	47	28	39	29	44	28	51	28	54								
	11	05	31	30																				
	11	11	31	40	31	45	30	57	29	62														
	11	17	26	22																				
	11	23	27	08			28	12	29	21	29	23	28	35	29	47	28	65	28	65	28	69		
	12	05	14	08																				
	12	11	11	02																				
	12	17	29	32																				
	12	23	29	28	30	35	28	47	27	45	28	47	27	48	28	45	27	49						
	13	05	29	24																				
	13	11	26	24			26	38	27	37	26	27	25	32	25	39	25	52	25	52				
	13	17	25	28																				
	13	23	30	26	29	35	28	35	28	48	29	42	28	42	28	45	27	33	27	56				
	14	05	28	20	28	15	28	18																
	14	11	32	24	31	35	30	47	28	46	28	46	28	47	28	50	25	55						
	14	17	31	25																				
	14	23	28	20			29	23	28	43	28	50	28	45	28	50	26	52	29	73				
	15	05	25	21	26	28																		
	15	11	25	21	26	31	25	27	24	30	24	24	25	35	25	44	26	50	26	58				
	15	17	27	10	27	14	28	16																
	15	23	30	12			30	20	29	15	29	11	27	12	27	25	26	30	26	19	27	28		
	16	05	31	16	32	22	31	20	31	18	29	11	27	12	27	17	28	20	27	14	24	07	25	10
	16	11	31	16			32	29	32	22	33	19	33	25	31	29	31	34						
	16	17	31	21	30	29																		
	16	23	32	22			32	40	32	31	30	36	31	32	31	46	31	45	31	45				
	17	05	32	28																				
	17	11	32	20	33	30	30	30	32	34	31	34	32	35	32	33	32	38						
	17	17	29	14																				
	17	23	32	30	33	42	32	46	32	41	32	41	32	39	32	50	32	61	32	61				
	18	05	31	22	31	40	28	32																
	18	11	31	18	32	37	30	33	29	35	29	49	30	48	29	44	30	48						
	18	17	25	12	24	12																		
	18	23	26	20	24	35	24	50	24	40	24	44	25	42	25	37								
	19	05	26	40																				
	19	11	25	31	26	41	25	55	24	44	23	47	24	57	24	79	23	69						
	19	17	29	30	29	31																		
	19	23	29	40	29	55	28	85	27	65	27	58	27	60										
	20	05	29	31																				
	20	11	26	09			26	30	26	41	27	43	26	50	26	54	26	58						
	20	17	30	12																				
	20	23	31	20			30	36	32	60	30	46	31	44	31	37	30	50						
	21	05	31	24																				
	21	11	29	23	29	32	28	44	28	45	29	46	29	64	30	74	30	83						
	21	17	26	20																				
	21	23	28	10			28	20	27	27	27	30	28	35	29	56	28	59	29	55	29	52		
	22	05	30	16	29	37	28	33																
	22	11	25	11	23	30	24	42	23	34	24	30	24	30	26	34	26	50	27	53				
	22	17	25	27																				
	22	23	29	33	29	38	29	57	28	50	28	47	27	57	27	65	27	85						
	23	05	27	33	28	20																		
	23	11	27	45	29	51	28	44	29	54	27	63	26	46	26	53								
	23	17	27	37																				
	23	23	24	17	24	33	24	44	24	51	23	51	23	50	23	50	24	50	23	57				
	24	05	25	38																				
	24	11	26	25			23	49	23	48	23	49	24	56	24	55								
	24	17	27	20	27	23																		
	24	23	27	13	27	20	25	27	25	28	22	38	23	48	23	54	24	60	24	63				
	25	05	26	23	26	33																		
	25	11	26	22	26	35	26	31	25	39	25	41	26	43	26	49	26	60	26	62				
	25	17	27	17	26	22																		
	25	23	27	15	28	25	27	25	26	22	27	39	28	46	27	49	27	46	28	55	27	59		
	26	05	27	09																				
	26	11	00	00	25	16	25	16	25	18	26	22	26	31	27	49	28	55	28	56	27	53	27	55
	26	17	18	04																				
	26	23	18	04			24	13	24	13	23	04	25	24	26	30	25	50	25	53	25	47		
	27	05	25	07	25	10	23	20	24	11														
	27	11	26	05	26	10	26	13	27	10	26	19	24	30	25	48								
	27	17	31	10																				
	27	23	34	12			35	25	30	22	31	20	30	28	30	40	29	72	28	94	29	57		
	28	05	31	06																				
	28	11	18	07			21	23	22	24	21	22	23	28	27	35	27	46	26	40	25	34		
	28	17	19	14	22	11	22	26																
	28	23	26	21	25	35	25	30	23	35	23	39	23	44	23	45	23	50	23	61				
	29	05	26	28	26	34																		
	29	11	26	28	27	33	26	35	26	39	25	32	23	32	25	46	26	50						
	29	17	27	20	28	29																		
	29	23	26	16	27	22	27	24	26	20	26	20	26	25	27	47	27	62	27	73				
	30	05	25	10	25	22	25	23																
	30	11	15	20	15	30	17	45	17	41	18	59	18	55	17	46								
	30	17	16	19	17	18	16	20																
	30	23	17	17							20	27	20	25	19	28	20	31	20	35	21	30		

Results of Upper Wind Observations,
MACQUARIE 1959

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	01	05	16	10	18	20	20	12																
	01	11	20	01			19	12	19	15	20	18	19	26	20	26	21	26	21	27	20	35	19	37
	01	17	26	09																				
	01	23	27	10	28	15	27	17	27	16	26	15	23	15	25	10	24	17	24	24	23	26	24	26
	02	05	27	10	27	10	27	17																
	02	11	31	06			32	10	33	13	34	13	33	11	33	12	33	16	33	16	30	14	28	20
	02	17																						
	02	23																						
	03	05																						
	03	11	31	07			31	26	30	27	31	27	32	30	31	36	32	38	32	42				
	03	17																						
	03	23	28	09			26	28	25	29	26	24	27	36	27	45	27	33	27	57	27	51		
	04	05																						
	04	11	25	01			28	15	26	22	27	25	27	26	27	35	26	45	26	50	25	60		
	04	17																						
	04	23	31	19	31	22	31	33	31	35	30	37	29	37	30	43	29	51	29	51				
	05	05	31	22	31	24	30	28																
	05	11	31	20	30	22	30	48	29	23														
	05	17																						
	05	23	31	13			33	28	31	23	29	13	28	21	29	29	29	48	29	45	29	54		
	06	05																						
	06	11	31	10	34	25	35	27	32	13	32	15	30	21	30	33								
	06	17																						
	06	23																						
	07	05	16	25	18	17	17	19																
	07	11	17	08							23	34	25	40	24	57	24	64	24	65				
	07	17																						
	07	23	18	06			20	25	20	24	21	27	22	35	23	51	22	75						
	08	05	16	13	21	09	21	24																
	08	11	19	03	20	15	21	20	21	25	21	31	22	48	22	83								
	08	17	23	03	22	10	22	14																
	08	23	26	09	25	10	22	14	20	25	20	26	23	21	22	29	23	56	23	66				
	09	05	26	12	26	13	23	23																
	09	11	27	09	26	16	25	17	24	16	22	10	20	10	16	18	15	24	14	25	14	27	14	30
	09	17																						
	09	23	27	04			22	11	26	16	25	12	27	10	27	17	27	16	27	18	27	15	28	17
	10	05																						
	10	11	26	08	26	18	25	20	24	16	24	10	28	18	27	24	27	22	31	14	28	18		
	10	17	28	10	28	22	28	25	28	22	28	25												
	10	23	29	12	28	25	26	24	26	25	24	25	24	25	25	34	25	39	26	40	27	48		
	11	05																						
	11	11	26	06			25	19	24	32	25	31	23	30	22	39	22	41	22	48	22	40		
	11	17																						
	11	23	27	22	26	32	20	21	21	22	22	30	23	23	23	24	23	23	23	22	22	26	23	28
	12	05	27	07	21	06																		
	12	11	23	18			22	15	23	23	22	28	22	30	22	28	21	20	23	20	23	34		
	12	17																						
	12	23	25	08	24	17	23	30	23	24	23	30	25	27	25	34	26	35	25	38	25	40	25	46
	13	05																						
	13	11	23	02			23	16	20	28	22	34	22	28	23	33	23	40	23	45				
	13	17																						
	13	23	29	03	29	25	28	25	27	25	27	30	26	28	26	33	27	38	25	38	25	42		
	14	05	28	12	26	22	26	21																
	14	11	29	16	28	27	27	24	27	23	27	27	27	28	26	36	26	41	27	50				
	14	17																						
	14	23	30	20			27	30	27	30	27	36	26	32	27	40	27	45	27	50	27	50		
	15	05	25	10	23	09																		
	15	11	27	06			26	15	26	23	26	34	26	35	26	43	25	46	24	58				
	15	17																						
	15	23	00	00			23	11	21	11	22	12	20	16	23	20								
	16	05	00	00	33	03	27	08	28	20														
	16	11	04	04									28	20	29	18	32	19	31	21	28	23	28	26
	16	17																						
	16	23	31	01			32	26	32	26	32	28	31	32	30	33	28	27	26	33	26	33		
	17	05																						
	17	11	34	12			35	32	35	31	34	31	33	27	32	26	32	31	32	38	31	39		
	17	17																						
	17	23	36	16	35	37	35	40	35	40	35	40	35	37	34	39	35	44	35	47	34	50		
	18	05																						
	18	11	36	20	01	35	01	56	36	54	36	50	01	56	01	54								
	18	17																						
	18	23	35	30			36	44	01	44	01	46	01	45	01	40								
	19	05																						
	19	11	35	18			34	34	35	28	35	65	34	58	31	72	34	59						
	19	17	33	17	32	23	34	24																
	19	23	00	00											01	45	01	58						
	20	05																						
	20	11	11	20	09	40	04	59																
	20	17																						
	20	23	33	08	36	30	33	40	35	30	35	33	35	38	34	44								
	21	05																						
	21	11	27	18	27	25	30	24	30	14	28	16	29	16	31	21	31	20	33	23				
	21	17																						
	21	23	30	08			28	31	27	27	26	33	26	32	26	37	27	40	26	40	27	45		

Results of Upper Wind Observations,
MACQUARIE 1959

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	22	05																						
	22	11	31	19	29	35	28	40	29	40	27	40	27	43	28	48	28	53						
	22	17																						
	22	23	29	15			27	31	26	30	28	40	28	36	28	34	26	40						
	23	05																						
	23	11	26	09			26	35	26	32	26	34	27	34	27	37	27	34	27	42	26	47		
	23	17																						
	23	23	29	07	29	12	28	19	28	09	30	14	30	14	29	14	31	20	30	30	30	40	31	52
	24	05	30	06	30	06	28	07	33	06	32	08	32	10	32	09	29	11	30	16	31	20	32	20
	24	11																						
	24	17	31	10	31	20	30	26																
	24	23	31	12			27	17	28	23	27	16	27	22	28	20	28	33	28	40				
	25	05																						
	25	11	30	08					28	10	28	19	25	17	27	20	27	21	27	25	27	54	27	38
	25	17	31	02	27	12																		
	25	23	28	10											27	23	27	35	25	35	25	60	25	50
	26	05	30	08	30	08	27	02	23	08	23	11	26	14	27	23	26	37	26	37	26	40		
	26	11	15	03	23	07	04	09	35	15														
	26	17																						
	26	23																						
	27	05																						
	27	11																						
	27	17																						
	27	23	31	03					27	17	25	18	26	28										
	28	05																						
	28	11																						
	28	17																						
	28	23	22	26	22	21	19	21	21	35	22	50	22	60										
	29	05	18	15	17	23																		
	29	11	18	10	19	12																		
	29	17																						
	29	23	32	10	33	14																		
	30	05	32	15	34	22																		
	30	11																						
	30	17																						
	30	23																						
	31	05																						
	31	11																						
	31	17	32	25	32	21																		
	31	23																						

Results of Upper Wind Observations,
MACQUARIE 1959

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	21	54	22	44																		
	02	11	24	75	24	87	24	122	25	125	25	115												
	02	23	27	83																				
	05	05	23	25	24	27	25	36																
	11	23	26	28	28	32	28	29	28	26	27	29												
	13	23	27	80	27	82																		
	28	23	32	27	32	31																		
3	23	23	29	35	29	37	30	45	29	36														
	26	23	26	58	28	58																		
4	01	23	27	49	27	35																		
	02	23	30	81	30	170	30	62																
	04	23	31	60	31	60																		
	06	11	25	05	27	02																		
	06	23	29	18	29	14	27	19	30	06	31	09												
	07	11	25	38																				
	07	23	14	13	18	04	18	02	20	08	00	00												
	08	23	36	45	35	16	05	24																
	09	23	27	52	27	30	23	19	32	16	26	07												
	10	23	25	51	27	55																		
	12	23	27	95																				
	16	23	27	27																				
	17	11	29	60	30	60	34	33	30	31														
	17	23	34	53	30	57																		
	18	11	27	70	27	85																		
	19	11	25	80																				
	19	23	25	62	26	51	25	42	25	33	26	24												
	20	05	25	78	25	67	27	29																
	20	11	26	61	27	49	27	45	27	39	27	30												
	20	23	22	90	24	60	26	45	24	50														
	21	11	25	68	23	53	25	38	25	36	26	39												
	21	23	29	65	28	40	27	32	28	25	28	28												
	22	11	32	72	33	23	32	31	33	30														
	23	23	28	97	28	116																		
	24	11	30	107	31	60	30	55																
	25	11	30	49	30	50	30	40																
	25	23	27	43	29	36	29	25	28	24														
	26	11	30	22	30	34	28	30	30	22	29	35												
	28	11	23	91																				
	28	23	27	60																				
	29	11	27	70																				
	30	23	28	57	27	68																		
5	01	23	27	28	28	33	27	28	27	30	28	28												
	03	23	27	47	26	37	26	34																
	04	23	21	60																				
	05	11	25	26	22	27	24	21																
	05	23	18	03	27	20	25	27	27	17	26	25												
	06	23	24	42	27	23	26	29	28	24	27	31												
	07	23	29	44	30	52	28	62	29	56														
	08	23	29	37	28	30	28	32																
	09	11	21	77																				
	12	23	22	33	24	32	25	32	26	31	28	31												
	13	11	30	48																				
	16	23	26	45	27	35	24	30	23	25														
	17	23	19	20	24	22	24	35	25	17	28	20												
	18	11	02	51	30	128																		
	19	23	32	40																				
	22	23	27	31	27	30	26	33	26	25														
	23	11	25	22																				
	23	23	23	23	25	19	27	12																
	24	23	20	40	20	27																		
	25	23	25	41	23	28	23	23																
	26	23	04	11	01	13	30	33	35	20	34	42												
	27	23	21	19	21	28	21	30																
	30	23	24	48																				
6	03	23	24	85																				
	09	23	25	39	26	48																		
	11	23	29	38	28	52	31	88																
	12	23	26	40	25	40																		
	15	23	25	72																				

Results of Upper Wind Observations,
MACQUARIE 1959

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	15	23	28	65	28	78																		
	16	11	27	66	28	54	27	83	28	84														
	16	23	23	60	23	80	23	76																
	17	11	27	100	27	83																		
	17	23	29	140	27	115																		
	18	11	29	75	29	80	28	77	28	60														
	18	23	29	68	28	60	28	70	28	70														
	19	23	24	82	25	78	27	80																
	20	11	25	65	25	65	26	75	26	80	26	95												
	20	23	23	57	26	57	26	70	26	80	26	83												
	21	11	30	36	27	43	27	63	26	76	26	77												
	21	23	27	75	27	60	28	50	27	60														
	22	11	28	95	28	63	28	58	27	54	28	55												
	22	23	29	40	30	37	28	58	28	55														
	23	11	36	50	33	40																		
	23	23	33	47	30	48																		
	24	11	33	45	33	45	33	35																
	24	23	33	53	32	50	29	49	30	35	28	45												
	25	23	33	30	33	20																		
	26	05	33	22	28	23	27	19	27	24	27	24												
	26	23	09	07	27	20	27	34	26	47	26	60												
	27	11	27	16																				
	27	23	29	13	27	35	27	60																
	28	11	05	20	04	22																		
	28	23	32	35	31	42	30	39																
	30	11	31	49																				
	30	23	29	53	29	49																		
	31	23	25	75																				
8	01	23	28	50	28	56	28	50																
	03	23	30	30	30	33	29	45	28	49														
	04	11	28	30																				
	04	23	32	40	30	32																		
	05	11	32	41	32	38																		
	07	23	29	41	29	41	29	44	28	49														
	08	23	31	58	31	59	30	53																
	10	23	31	35	31	42	32	45																
	11	23	27	64																				
	14	05	30	44																				
	14	23	28	30	27	32	27	33	27	50														
	15	23	25	39	25	35	26	52	28	53	30	49												
	16	11	25	44	24	44																		
	16	23	25	75	26	89																		
	19	23	32	64																				
	23	23	26	85																				
	24	23	25	120																				
	25	23	27	70																				
	30	23	29	90	29	90	29	77																
	31	23	27	53	28	65	29	65	28	63														
9	01	23	31	63																				
	02	23	25	88	25	84	26	65																
	03	23	25	102	25	120	25	93																
	05	23	28	95																				
	08	23	25	110	25	110																		
	09	23	28	66	28	70																		
	11	23	32	78	31	100	33	92																
	12	23	26	110																				
	16	23	32	53	33	40	32	62																
	21	11	24	50																				
	22	23	31	33	31	40	30	50	31	40														
	23	11	31	05	32	06																		
	23	23	32	38	32	31	32	40																
	24	23	25	95																				
	29	23	01	29																				
	30	05	01	10	04	10	06	12																
	30	11	05	21	11	30																		
0	02	23	26	26																				
	13	23	24	35																				
	14	23	23	20	26	23	28	33	28	38	30	43												
	15	23	25	29	26	26	29	37	27	31														
	17	23	32	46																				
	18	23	23	44																				
	20	11	25	59	25	68	26	70	26	68														
11	01	11	29	53																				
	02	23	28	55	29	48																		
	16	05	27	29	29	41																		

Results of Upper Wind Observations,
MACQUARIE 1959

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
12	01	11	19	30																				
	01	23	25	30																				
	02	11	28	22																				
	16	11	27	30	28	30	28	35																
	24	05	30	20	30	14	30	13																
	25	11	27	30																				

Results of Upper Wind Observations,
MAWSON 1959

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	12	27	05	26	05	14	04	16	07	20	13	26	11	23	06	24	10	24	16	24	16	26	16
	01	23	12	12	09	11	10	09	22	02	28	05	24	09	25	14	25	22	25	21				
	02	12	24	04	24	02	01	04	06	05	09	03	30	05	28	13								
	03	00	00	00	09	01	18	03	11	08	10	07	28	07	27	21	28	25	27	33	27	32		
	03	12	33	04	02	04	10	11	10	10	10	08	30	07										
	04	00	10	10	08	12	08	08	10	08														
	04	12	08	04	08	04	10	07	13	08	11	07												
	05	00	16	24	15	07	24	06	21	12	23	11	27	14	24	34	25	55	25	74	25	91	25	70
	05	12	27	06	25	06	15	05	19	06	25	07	27	19	27	40	27	57						
	06	00	12	29	11	41	06	31																
	06	12																						
	07	00																						
	07	12																						
	08	00	13	35	12	49	09	35	08	24														
	08	12																						
	09	00	10	20	10	45	08	33																
	09	12	09	18	09	11	09	09	11	07														
	10	00	13	24	11	39	08	15	09	08														
	10	12	07	04	08	10	10	22																
	11	01	13	20	10	19	08	11																
	11	12	05	04	03	03	10	16	12	19	17	10												
	12	01	15	20	14	04	27	07	26	10	23	10	24	13	22	11	17	10	14	14	18	12	21	10
	12	12	06	02			11	09	24	05	24	07	24	08	20	08	16	10	13	18	13	16	12	22
	13	00	00	00	12	07	12	12	10	10														
	13	12	27	04	25	04	11	08	12	10	11	14	11	11	17	07	17	07			21	10		
	14	00	15	23	14	27	07	06	13	07	14	16	12	14	15	11	12	14	16	08	20	19	20	26
	14	12	12	04	08	05	10	16	11	16	15	16	10	10	14	14	20	11	22	23	23	38	23	46
	15	00	14	31	11	23	09	15	14	07	12	08	16	08	17	06	12	07	21	12	24	34	23	35
	15	12	12	11	10	11	09	09																
	16	00	16	12	16	08	13	07	10	05														
	16	12	25	03	27	02	22	03	14	07	15	10	19	04	24	12	25	21	24	32	24	41	24	41
	17	00	09	06	10	06	16	05	24	09	25	09	24	10	25	21	25	30	24	49	25	68	24	56
	17	12	24	05	22	05	12	08	13	11	24	06	25	19	25	30	25	36	26	32	26	36	26	37
	18	00	14	23	13	23	06	02	16	05	24	07												
	18	12	06	07	06	06	11	08	10	08	22	01	26	08	26	18	26	09	27	06	26	27	26	26
	19	00	13	25	10	22	10	13	12	10	09	06	24	08	26	11	23	13	23	20	25	24	27	25
	19	12	07	09	06	09	10	12	13	18	13	15												
	20	00	16	09	14	09	10	11	13	15	14	21												
	20	12	28	07	27	05	16	01	16	07	23	07	24	16	25	22	24	33	24	44				
	21	00	16	23	13	16	25	08	19	11	24	14	24	26	25	30	25	35	26	46	26	61	26	60
	21	12	25	05	24	04	12	05	22	03	22	13	24	16	24	34	25	75	25	94	26	108	26	132
	22	00	13	22	10	19	07	12	07	08	02	07	28	14										
	22	12	10	20	10	30	09	26																
	23	00																						
	23	12	26	06	26	07	10	05																
	24	00	12	16	18	08	26	09	26	05	25	11	24	15	21	03	08	18	08	12	21	05	29	11
	24	12	27	05	29	05	28	24	27	33	27	38	27	33	27	34	27	29	28	20	33	13	30	16
	25	00	13	08	29	01																		
	25	12																						
	26	00																						
	26	12																						
	27	00																						
	27	12	13	13	12	18	02	04	21	03	19	13												
	28	00	13	11	11	08	15	01	24	06	25	06	26	09	26	11	27	10	29	10	29	07	25	19
	28	12	07	10	08	11	10	07	07	04	34	08	32	10	33	15	35	19	36	25	01	37		
	29	00	12	25	09	22																		
	29	12	09	32	09	38																		
	30	00																						
	30	12																						
	31	00																						
	31	12	12	35	10	37	07	11																
	31	23	12	32	11	16	07	06																
2	01	12	12	27	11	26																		
	01	23	12	27	10	12																		
	02	12	13	15	12	20	10	04																
	03	00	13	24	12	38																		
	03	12	12	23	11	27	07	24																
	04	00	12	30	12	27	08	13																
	04	12	10	12	10	24	09	17	14	09	11	08	09	05										
	05	00	13	27	11	22	07	04	17	12	24	07	26	05	30	10	34	16	31	20	30	29	29	35
	05	12	26	05	29	02	10	04	33	02	26	07	27	13	30	12	30	15	30	26	30	34	30	36
	06	00	14	24	11	15	11	06	16	06	25	08	27	09	30	16	25	21	26	28	29	31	30	31
	06	12	27	06	19	02	12	11	17	03	27	08	30	11	27	22	27	33	27	44	28	42	30	28
	07	00	25	07	15	04	15	06	26	01	28	06	27	05	27	13	28	39	28	42	30	34	31	28
	07	12	06	04	05	03	03	02	03	01	29	08	30	13	30	21	30	27	30	28	31	32	32	27
	08	00	13	22	11	12	24	01	16	03	25	04	30	13	32	22	31	23	30	36	30	34	31	29
	08	12	09	11	10	11	11	06	01	01	25	02	36	02	31	15	30	34	30	52	30	66	30	43
	09	00	13	22	11	14	09	07	17	05	23	02	31	12	31	27	32	35	32	46	33	55	32	34
	09	12	09	15	09	15	09	07	29	03	03	12												
	10	00																						
	10	12																						
	11	00	14	01	15	01																		
	11	12	31	03	35	04	30	11	29	13	29	19	29	28	29	35	29	33	30	40	30	42		

Results of Upper Wind Observations,
MAWSON - 1959

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	12	00	13	14	12	14	09	10	11	11	08	05	10	01										
	12	12	12	21	11	31	08	20	08	18														
	13	00																						
	13	12	11	08	11	16	12	37	10	36	11	22												
	14	00																						
	14	12	12	16	11	21	09	23	10	20	12	16	15	12										
	15	00	16	22	15	12	23	05	17	08	16	08												
	15	12	06	13	06	13	08	09	22	01	25	09	23	04	27	08	22	10	21	18	21	32	21	36
	16	00																						
	16	12	12	22	10	25	09	19	11	23	16	24												
	17	00	15	40	14	47	11	26	11	12	12	29	19	25	18	37	16	69	15	63	17	110		
	17	12	27	08	32	04	22	03	13	07														
	18	00	14	34	14	48	10	23	11	20	13	23	17	25	16	72	17	95						
	18	12	28	02			15	23	13	30	17	31	18	43	19	51	20	81	19	87	20	54		
	19	00	13	17	12	20	17	15	12	16	16	17	19	54	20	36	22	36	22	51	22	65	22	59
	19	12	10	08	09	10	13	14	16	20	20	21	20	11										
	20	00	13	25	12	29	09	16	12	16	19	19	18	22	25	20	23	37	22	49	22	47	22	43
	20	12	11	14	08	10	11	14	11	18	15	23	16	12	21	14	23	20	25	37	25	32	22	34
	21	00	15	30	14	24	07	14	11	05	16	11												
	21	12	14	18	12	17	10	05	20	07	20	08	17	12	19	18	21	37	22	45				
	22	00	14	22	13	20	08	08	11	12	13	05	15	07	20	12	23	18	24	40	24	63	25	36
	22	12	07	06	07	14	12	16	12	18	17	19	18	10	17	10	22	16	23	35	25	66	25	43
	23	00	16	20	17	17	35	02	12	16	16	12	20	16	22	21	24	31	25	61				
	23	12	12	12	11	12	10	06	17	11	19	09	26	15	22	25	23	33	26	44	26	54	25	31
	24	00	15	30	14	33	14	06	21	20	21	14	22	18	23	27	26	36	26	38	25	39	26	19
	24	12	11	02			11	02	14	05	21	04	24	34	24	30	24	48	23	60	24	61	25	41
	25	00	16	25	13	40	34	03	21	11	22	20	24	34	24	46	25	56	25	55	25	61	25	66
	25	12	00	00			14	06	26	13	25	19	25	27	26	35	26	54	26	86	27	100	26	67
	26	00	13	31	12	34	11	04	15	05	24	07	28	07	29	14								
	26	12	13	18	12	27	08	05	18	07	28	09	24	14	28	13								
	27	00	13	11	13	08	24	04	30	09	29	13	29	22										
	27	12	07	02	07	01	28	01	28	10	31	13	28	12	29	15	29	19						
	28	00	15	24	13	26	13	09	19	01														
	28	12	15	20	14	20	13	13																
	28	23	15	10			26	10	13	09	25	20	26	18	26	18	29	15	29	28	29	33	29	25
3	01	12	11	05	16	03	23	02	30	12	28	30	29	36	29	33								
	01	23	14	18	14	08	36	04	29	06														
	02	12	13	30	10	29	08	15	09	09														
	03	00																						
	03	12																						
	04	00	15	38	15	50	12	27																
	04	12	13	10	13	19	10	09																
	05	00	13	25	12	33	08	09	15	10	13	03	27	08	17	12	18	14	21	10	22	12	23	17
	05	12	12	15	12	19	09	07																
	06	00	14	25	14	27	10	10																
	06	12	13	13	12	22	11	04	19	06	19	12	20	20	21	22	20	50	20	85	20	93	20	70
	07	00	13	20	13	11	07	04	17	09	17	09												
	07	12	00	00	16	09	20	04	12	16	21	06	24	13										
	08	00	13	30	14	34	09	09	15	06	16	21	23	13	21	18	19	17	15	16	13	19	21	13
	08	12	13	17	13	22	07	06	34	06														
	09	00	15	26	12	16	11	04	17	07	18	08	21	26	23	40	24	55	24	52	24	56	24	53
	09	12	11	11	10	10	11	04	14	09	21	12												
	10	00	11	08	11	06	10	09	18	06	25	11	24	18										
	10	12	09	07	10	18	11	18	10	21	08	08												
	11	00																						
	11	12	10	30	11	39	08	32	09	25														
	12	00																						
	12	12																						
	13	00																						
	13	12																						
	14	00																						
	14	12	11	20	12	22	19	02	14	05	09	06	30	07	01	11	34	21	34	40	34	51		
	15	00																						
	15	12																						
	16	00																						
	16	12	10	17	11	18	09	17																
	17	00	11	20	10	22	08	17																
	17	12	09	22	10	30	08	27																
	18	00																						
	18	12																						
	19	00																						
	19	12	00	00	12	02	17	03	14	08	24	15	20	18	23	05	07	19	07	41	06	18	32	09
	20	00	12	22	13	26	29	04	25	06	24	19												
	20	12	09	03	20	02	13	03	25	15														
	21	00	13	10	14	02	22	04	27	06	27	08	26	17	24	20								
	21	12	00	00	31	01	18	06	22	07	25	17	24	20	24	34	24	38	25	32	25	32	26	27
	22	00																						
	22	12																						
	23	00																						
	23	12																						
	24	00																						
	24	12	11	26	13	32	08	15	12	11	15	19	20	06										
	25	00																						
	25	12																						

Results of Upper Wind Observations,
MAWSON 1959

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	26	00																						
	26	12																						
	27	00																						
	27	12	12	24	12	30	07	12	05	08														
	28	00	14	20	14	28	10	14	11	06	16	11	18	15										
	28	12	13	16			13	06	16	09	14	12	13	12	18	21	18	29	20	22	20	35	23	29
	29	00	12	30	13	36	05	08	34	03	13	11	22	07										
	29	12	12	20	10	12	12	04	32	04	25	04			25	20	24	31	25	48	24	68	24	65
	30	00	12	04	12	05	15	07																
	30	12	11	12	09	12	11	06	21	05	25	16												
	31	00	09	31	11	50	09	34																
	31	12	11	42	13	58	09	42																
	31	23	10	45	11	43	08	49																
4	01	12	08	08	07	08	13	22	11	28	12	31	10	21	11	17	10	22						
	01	23	00	00	33	11	25	12	18	43														
	02	05			33	14	31	27	16	55	14	22	18	28	20	67								
	02	12	00	00			17	41	16	127	13	11	30	11										
	03	00																						
	03	12																						
	04	00																						
	04	12	12	18	11	22									23	38	24	63	24	100	24	101	24	58
	05	00																						
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	06	00																						
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	07	00																						
	07	12																						
	08	00																						
	08	12																						
	09	00																						
	09	10	14	26	14	25	10	10	15	13	23	27	24	34	24	67								
	10	00																						
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	12	00																						
	12	12	11	28	12	29	10	18	13	13	14	11	15	06										
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	13	12																						
	13	23																						
	14	06	13	38	15	45	10	18	07	02	20	17	19	44	20	46	21	46						
	14	12	18	10	20	13	15	18	15	21	18	36	20	64	21	68								
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	16	00																						
	16	11	08	10	10	16	13	25	13	22	18	03												
	17	00																						
	17	11	13	21	11	12	09	11	16	17	18	12	24	15										
	18	00																						
	18	12																						
	19	00																						
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	21	00	13	18	14	17	22	13	28	09	26	08	29	14										
	21	12																						
	22	00	11	22	10	27	11	17	18	15	17	15	23	09										
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	23	01	13	08	16	04	14	03	16	09	20	22	23	18	22	29	23	40						
	23	05	00	00	20	03	22	07	23	08	22	15	23	19	24	25								
	23	12	13	11	07	08	10	10																
	24	00	00	00	15	10	11	15	18	10	23	12	25	19	25	26								
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	24	23																						
	25	05	24	09	23	03	16	05	16	29	19	20												
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	25	23																						
	26	12																						
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	29	12	00	00	07	02	11	05	16	11	18	12												
	29	23																						
	30	05	13	20	12	20	06	08	07	12	14	20	14	14	16	07	19	03	30	03	21	20	22	31
	30	10	00	00	04	01	13	12	11	16	15	16	12	12	17	06	22	08	24	11	23	28	22	36
	30	23																						

Results of Upper Wind Observations,
MAWSON 1959

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	01	05	11	02	07	01	19	01	14	19	16	14	18	31	16	33	17	13	20	48	20	32	21	37
	01	10	00	00	23	02	15	13	13	30	15	23	18	31	19	44	18	12	21	35	20	50	20	34
	01	23																						
	02	05	14	45	15	60	07	14	11	13														
	02	11	15	43	15	42	10	14	11	06	16	18												
	02	23																						
	03	05	00	00	00	00	17	20	14	51	16	28	16	44	18	52	18	70						
	03	10	00	00			16	28	14	28	17	20	20	32										
	03	23																						
	04	05	12	07	20	08	31	13	25	11	16	28	18	27	21	43								
	04	10	05	04	04	02	29	08	25	10	25	14	23	15	23	33	23	38	23	46	22	59		
	05	00	00	00	23	08	19	30	21	29	24	35	24	55										
	05	11	25	20	22	14	16	35	17	16	22	28												
	05	23																						
	06	04	12	23	12	23	08	11	11	12	29	02	31	10										
	06	10	07	16	10	24	09	36																
	07	00																						
	07	10																						
	07	23																						
	08	05	10	53	14	36	10	29																
	08	11	12	30	13	34	10	19	16	04														
	08	23																						
	09	04	00	00	10	03	23	04	29	02	26	14	24	14	23	08	15	10	11	24	11	35	11	33
	09	10	12	15	13	28	12	05	28	02	27	11	25	12	26	10	15	10	12	15	12	20	15	10
	10	00																						
	10	11	12	32	11	27	30	07	22	06	02	03												
	10	23																						
	11	06	14	20	13	03	10	09	17	04	25	09	25	15	24	18	25	24	24	30	24	38	25	42
	11	10	14	11	15	11	15	03	20	04	25	09	27	19	25	24	26	35	26	39	25	44	26	50
	11	23																						
	12	05	13	35	12	46	11	21	12	10														
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	13	00																						
	13	10																						
	13	23																						
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	14	10																						
	15	00																						
	15	10																						
	16	00																						
	16	10																						
	16	23																						
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	17	10																						
	17	23																						
	18	03	14	12	11	07	13	10	13	02	24	12	27	16										
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	18	23																						
	19	03	12	32	12	43	09	18	10	21														
	19	10	12	30	13	28	07	10																
	19	23																						
	20	04	12	20	14	19	13	13																
	20	10	15	36	15	33	06	08	13	11	13	20	05	04										
	21	00																						
	21	10																						
	21	23																						
	22	04	13	26	14	38	14	25																
	22	07	14	38	15	43	07	09	08	05	12	11	13	25										
	22	23																						
	23	05	13	40	14	75	10	42	02	18	08	29	13	20										
	23	10	12	40	13	41																		
	23	23																						
	24	05	12	30	14	33	11	19	11	21														
	24	10	14	10	19	11	06	14	12	26	13	24	12	36										
	24	23																						
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	25	10																						
	26	00	13	15	13	26	12	13	12	08	31	01	32	09	32	12								
	26	06	11	26	10	28	09	14	15	08	02	11	36	05										
	26	23																						
	27	06	13	20	14	22	24	07	27	06														
	27	11	14	20	13	10	26	09	20	08	21	12												
	28	00																						
	28	06	00	00	21	10	13	09	12	10	22	08	22	15	22	20	23	19	24	29	25	24	25	30
	29	00																						
	29	06	12	28	12	25	08	14																
	30	00																						
	30	06	13	22	13	22	07	07	06	01														
	30	23																						
	31	05	09	01	13	12	12	06	11	15														
	31	11	14	21	16	07	10	08	11	06														
	31	23																						

Results of Upper Wind Observations,
MAWSON 1959

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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	01	23																						
	02	08	16	04	19	03	14	11	12	22	17	17	19	24	18	20	21	34	19	45	20	49	21	59
	02	23																						
	03	06	09	21	09	22	12	19	13	23	16	23	13	20										
	03	09	11	14	12	17	10	15	12	22	11	21	12	22	15	14	18	26	20	28	22	41	21	46
	04	00																						
	04	10	12	20	12	21	09	18	12	17														
	04	23																						
	05	04	12	30	11	37	08	24	08	21														
	05	10	11	21	10	25	07	22																
	06	00																						
	06	10																						
	06	23																						
	07	05	16	06	11	09	11	27																
	07	11	22	02	30	05	10	20	12	31														
	07	23																						
	08	05	16	22	17	17	11	11	12	25	16	05												
	08	09	18	00	29	02	13	06	12	17	17	16												
	09	00																						
	09	07	03	08	10	08	08	04	12	09	18	04	20	07	23	10	21	09	24	13				
	09	23																						
	10	05	12	30	12	42	08	17	11	15														
	10	08	00	00			12	23	11	19														
	10	23																						
	11	05	12	16	15	23	10	22	11	25														
	11	08	12	16	13	19	10	10	10	29	13	28	14	33	13	13	17	28	17	08	18	18	21	12
	12	01	15	12	16	07	19	13	14	09	18	12	24	16	23	16	22	17						
	12	05	13	15	15	11	26	13	25	08	20	07												
	13	00																						
	13	10																						
	14	00																						
	14	10																						
	15	00																						
	15	10																						
	16	00																						
	16	10																						
	17	00																						
	17	10																						
	18	00																						
	18	10																						
	19	00	11	25	13	39	08	24	09	27	14	19	10	26										
	19	10																						
	20	00																						
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	21	00																						
	21	10																						
	22	00																						
	22	10																						
	23	00																						
	23	10																						
	24	00																						
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	25	00																						
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	26	00																						
	26	07	00	00	26	03	32	04	15	21	17	18	21	32	23	25	23	26	23	32				
	27	00																						
	27	08	11	14	14	13	12	15	12	22	15	34	17	26	17	08	20	25	26	18	26	19		
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	28	09	01	03	11	09	16	18	14	18	16	23	18	29	18	21	25	26						
	29	00																						
	29	08	14	23	13	17	08	03	22	13	23	28												
	30	00																						
	30	10																						
	30	23																						
7	01	09	09	05	09	08	07	06																
	01	23																						
	02	08	00	00	17	08	08	07	14	19	28	07	28	09	32	11	34	12	31	16	32	18	32	19
	03	00																						
	03	08	12	17	10	20	10	07	12	09	33	04												
	04	00																						
	04	09	12	18	13	24	10	06	12	11														
	05	00																						
	05	10																						
	06	00																						
	06	10																						
	07	00																						
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	08	00																						
	08	10																						
	09	00																						
	09	10																						
	10	00																						
	10	09	12	35	13	39	10	42																
	11	00																						
	11	09	11	35	14	50	10	24	08	21														

Results of Upper Wind Observations,
MAWSON 1959

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
7	12	00																						
	12	10																						
	13	00																						
	13	09	11	19	11	26	08	15	09	20	10	11	05	06	05	13	02	15	02	18	36	22	35	16
	14	00	11	15	12	20	07	06	15	09	09	11	03	06										
	14	08	10	20	10	10	35	07	06	04	13	11	07	07	34	09	36	14	23	30				
	15	00																						
	15	08	10	10	11	10	21	05	31	05	33	10	30	13	30	15	28	20	27	28	28	27	28	35
	16	00																						
	16	06	10	26	12	38	08	23	10	24	12	11												
	17	00	13	10	16	05	26	06	17	07	13	17												
	17	08	25	04	14	03	15	06	15	16	19	08	17	17	17	11	18	13	15	15	20	16	23	17
	18	00																						
	18	08	13	25	15	33	10	14																
	19	00																						
	19	10																						
	20	00																						
	20	10																						
	21	00																						
	21	09	11	22	11	35	09	35																
	22	00																						
	22	07	10	16	10	17	09	20	10	21	14	17	14	03	18	10								
	22	23																						
	23	06	00	00	23	02	21	05	24	17	24	23	23	23	25	29	25	44						
	23	10																						
	23	23																						
	24	06	17	04	32	03	11	06																
	24	10	19	07	21	05	13	10	19	26	19	26	22	24	21	41	21	62						
	25	00																						
	25	07	07	01	07	03	08	01	13	16	16	20												
	25	23																						
	26	06	11	15	13	19	11	17	12	19	13	27	35	05	16	08	27	25	28	31	24	34	24	20
	26	10	09	16	10	21	11	22	11	34	11	17	08	17	29	04								
	27	00																						
	27	10																						
	28	00																						
	28	10																						
	29	00																						
	29	10																						
	30	00																						
	30	10																						
	31	00																						
	31	10																						
	31	23																						
8	01	10																						
	01	23																						
	02	10																						
	03	00																						
	03	06	12	15	14	28	12	15	11	23	12	18	11	28	06	17	08	03	11	03	13	08	21	07
	04	00																						
	04	07	25	03	24	03	08	10	18	05														
	05	00																						
	05	10	14	24	14	39	05	06																
	05	23																						
	06	05	13	28	14	25	12	19	13	14	15	21	18	29										
	06	10	18	21	18	19	10	04	13	14	16	18	24	17	22	39	23	47	24	45	24	55	21	55
	06	23																						
	07	05	12	23	10	31	07	20	09	12	09	19	04	17	33	16	30	20	30	29				
	07	10	09	23	09	29	09	29	10	18	07	29	04	27										
	07	23																						
	08	05	12	17	12	21	08	09	12	13	11	14	09	05										
	08	10	08	02			20	08	14	09	18	04	22	06	25	11	28	09	29	16	31	10	31	18
	08	23																						
	09	05	12	23	11	26	08	20	10	24	15	02	31	05	28	14	29	19	33	09	33	10	32	18
	09	10	11	30	11	33	08	28	13	06	05	05	30	09										
	09	23																						
	10	06	13	32	13	43	09	27	09	19	10	16	07	05										
	10	10	12	34	13	46	09	19	11	13	11	18	09	16	03	12	32	25	32	43				
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	11	10																						
	11	23																						
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	12	23																						
	13	05	09	09	10	17	13	19	13	37	13	70	17	23										
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	13	23																						
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	14	10	00	00	09	03	22	03	11	21	13	27	07	20	08	16	07	17	13	07	24	37	21	28
	15	00	00	00	12	05	22	05	23	07	13	04	05	05	29	12								
	15	11	00	00	08	07	08	10	10	08	12	05	32	02	27	09	25	31	25	31	25	38	25	38
	16	00																						
	16	08	12	18	12	26	11	30																
	17	00																						

Results of Upper Wind Observations,
MAWSON 1959

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	17	10																						
	17	23																						
	18	04	24	06	25	12	17	09	11	12														
	18	10	14	11	19	04	11	05	10	12														
	18	23																						
	19	04	13	25	09	16	07	14																
	19	11	13	28	11	21	08	12																
	19	23																						
	20	06	13	35	12	23	09	20																
	20	11	13	40	13	45	08	31	10	20	09	25	10	23	09	22	09	10	31	14				
	21	02	14	17	14	40	11	37	10	30	12	18	10	16	14	11								
	21	07	00	00	32	03	14	03	11	31	12	18	11	28	11	10	17	12	24	18	25	33	26	37
	21	23																						
	22	04	15	17	14	09	11	06	10	11	16	06	23	07	30	10								
	22	10	12	17	10	13	07	10	11	15	02	03	29	02	33	08								
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	23	11	18	01	14	08	11	12	13	15	13	05	13	09	07	13	04	23						
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	24	03	13	06	10	07	13	05	12	10	11	03	11	09										
	24	11	00	00	06	01	10	08	16	10	28	05	34	02										
	25	00	12	26			10	14	12	05	12	08	11	03	05	10	04	14	31	05				
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	25	23																						
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	26	11	10	12	12	22	10	22	11	27	16	16	22	05	28	03	24	15	25	40	25	51	24	51
	26	23																						
	27	03	12	16	13	23	10	14	11	18	14	19	15	21	22	47	22	66	22	51	22	53	23	55
	27	11	00	00			21	07	19	07	23	12	22	21	24	38	23	53	23	60	23	98	23	92
	28	01	09	04	07	07	09	09	17	21	20	16	24	42	25	52								
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	31	23	19	04	24	10	19	10	11	17	13	24	19	17	21	37	23	29						
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	02	11																						
	02	23																						
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	04	01	13	16			10	08	18	06	28	21	28	26	28	29	27	41						
	04	12	12	30	10	18	09	02	29	07														
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	05	11																						
	06	00																						
	06	11																						
	07	00																						
	07	11																						
	08	00																						
	08	11																						
	08	23																						
	09	03	00	00	17	06	09	12	26	03														
	09	11																						
	10	00																						
	10	11																						
	10	23																						
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	12	23																						
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	13	23																						
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	16	00																						
	16	11																						
	17	00																						
	17	11																						
	18	00	16	16	15	25	10	18	09	07														
	18	11	16	16	14	20	19	05	21	05	23	11	05	03	04	10								

Results of Upper Wind Observations,
MAWSON 1959

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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	19	23																						
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	20	23																						
	21	03	15	22	13	19	08	08	16	02														
	21	12	17	15	15	08	02	03																
	22	00	15	17	14	21	34	01	05	03	26	17												
	22	11																						
	22	23																						
	23	03	16	14	13	10	07	01	11	07	17	12	23	09	25	14								
	23	12	26	04	23	04	17	03	01	02	14	15	23	13	26	25	26	30	26	29	25	42	25	47
	23	23																						
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	27	00																						
	27	11																						
	28	00																						
	28	11																						
	29	00																						
	29	11																						
	29	23																						
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	02	12	10	10	08	18	09	16	12	22	15	20	24	11	17	06	16	14	26	10	23	15	21	23
	03	01	00	00	09	02	10	09	12	31	12	35	17	15	22	30	23	30	23	29	21	33	21	29
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	07	12	27	01	21	03	25	06	13	02	12	01	24	10	26	10	27	12	30	19	30	22	30	23
	08	01	13	17	09	16	14	07	09	11	06	09	36	04										
	08	12	10	14	10	23	09	23	10	16	07	12	05	09										
	09	02	12	45	12	54	09	36	09	17														
	09	12																						
	10	00																						
	10	12																						
	11	01	14	38	13	55	09	31	08	24														
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	12	01	14	28	13	39	10	26																
	12	12	12	19	12	21	09	07	16	07														
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	13	12	26	04	27	06	14	16	13	29	15	26	17	35	19	30	19	27	20	45	20	55	21	45
	14	00	36	08	34	06	35	05	18	19	15	35	19	30	19	46	20	90	20	123				
	14	12	15	17	16	23	17	11	15	13	16	15	21	24	19	50	20	63	22	51	23	51		
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	15	12	26	01	24	05	24	05	23	08	20	12	22	24	24	24	24	27	25	34	26	59	26	60
	16	00	16	38	15	41	11	21	13	14	17	22	18	36	19	45	19	52	20	60	20	86		
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	19	01	14	14	13	15	02	02																
	19	12	09	09	10	16	10	17																
	20	02	16	17	13	08	32	02	18	02														
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	21	12	24	03	24	07	16	04	14	12	22	09	24	13	24	21	25	20	24	32	24	43	23	53
	22	00	16	25	16	14	15	04	24	11	24	19												
	22	12	26	01	26	06	25	02	21	08														
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	23	12	26	02	19	05	12	12	14	15	21	15	22	27	25	46	25	57	26	69	26	83	26	92
	24	00																						
	24	12																						
	25	00																						
	25	12	15	48	13	74	11	68	08	28														
	26	00	16	28	14	32	09	25	09	12														
	26	12	36	04	02	05	08	04	12	09	16	17	20	09	16	12	17	15	20	12	23	14	24	17
	27	00	00	00	21	03	27	13	26	14	24	10	27	12	32	07	32	08	30	11	29	11	30	15
	27	12	00	00	05	01	26	07																

Results of Upper Wind Observations,
MAWSON 1959

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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	29	00	15	22	12	23	10	06	11	10	19	08	22	19	26	09	28	15	29	20				
	29	12	10	10	11	20	10	14	12	15	13	12	22	04	27	08	27	21						
	30	01	14	30	13	30	09	06	09	03	13	14	09	08	30	02	34	01	15	14	23	12	26	26
	30	11	13	15	13	17	11	13	11	16														
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	31	23	14	10	10	04	15	02	33	04	30	17	31	23										
11	01	12	25	01	24	03	10	04	27	11	27	10	26	23	25	23	25	44	28	32	29	32	28	43
	01	23	13	20	10	22	07	08	05	08														
	02	12	12	11	09	11	09	10																
	03	00	14	16	12	10	11	07	13	07	14	01	35	06	27	06	27	09	27	13	29	15	28	14
	03	12	26	01	25	03	15	05	13	05	20	04	21	05	22	09	22	17	25	14	28	12	30	14
	04	00	16	20	13	10	13	05	22	05	22	09	24	07	23	14	26	10	28	07	27	07	23	14
	04	12	00	00	24	04	13	08	14	14	18	16	23	15	23	14	22	12	23	18	22	16	23	19
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	06	01	13	24	11	20	08	12	14	26														
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	09	01	17	35	15	35	31	02	22	12	22	30	22	42	22	45	23	34						
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	11	12																						
	12	00																						
	12	12																						
	13	00																						
	13	12																						
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	15	00																						
	15	12																						
	15	23																						
	16	04	15	22	14	30	10	30	09	32	11	23												
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	17	00	17	17	14	09	30	03	26	09	20	15	23	13	23	20	26	19	22	23	22	22	23	26
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	21	23																						
	22	04	14	25	12	29	08	12	08	03														
	22	12	08	03	05	07	10	13	09	20	15	09												
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	26	00	16	20	13	21	09	05																
	26	12	09	09	09	11	11	15	10	15	12	14	10	11	17	03	24	14	25	19	27	21	29	21
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	27	12	14	09	12	13	07	13	20	04	05	07	36	04										
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	01	23																						
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	05	00	14	31	13	47	08	16	02	06	17	07	12	19	06	05	30	04	32	10	27	12	27	17
	05	12	13	17	11	27	09	10																

Results of Upper Wind Observations,
MAWSON 1959

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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	07	12	13	14	12	23	11	30	10	23														
	08	01	14	25	12	41	09	21																
	08	12	13	13	12	21	11	10	13	07														
	09	00	15	24	12	35	07	11	11	13	13	15	12	10	18	14	20	20	21	40	22	46	22	46
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	13	12	11	05	09	12	10	20	13	13														
	14	00	15	19	10	16																		
	14	12	28	01	26	04	11	04	09	12														
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	15	12	10	01	05	03	10	14	10	15														
	16	00	15	16	10	06	09	05	14	10	13	12												
	16	12	06	03	08	07																		
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	17	12	26	01	22	02	09	07	12	16														
	18	00	18	14	13	22	08	03	20	07	18	14	14	10	17	11	13	09	10	17	07	19	06	02
	18	12	25	01	25	02	10	05	14	03	17	05	18	11	19	06	11	05	21	04	18	03	07	07
	19	00	15	20	12	18	10	05	18	11	24	10	22	06	25	07	25	08	26	09	02	05		
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	21	01	17	17	10	10	09	03	10	02	02	03	05	04	07	06	10	05	15	03	15	10	02	08
	21	12	10	11	09	16	11	10																
	22	00	15	12	13	15	12	13	13	12	14	13	15	12	03	02	36	19	36	50				
	22	12	16	09	13	20	12	26	11	16	13	12	13	20	12	06	01	24	01	27	01	37	01	33
	23	00	16	19	11	18	09	17																
	23	12	15	16	11	15																		
	24	00	15	13	12	05	26	02	12	06														
	24	12	26	01	10	01	11	10	12	07														
	25	00	15	07	12	05	13	03	09	06	07	03												
	25	12	00	00	26	02	30	01	30	03	28	04	10	05	29	06	30	07	31	10	30	13	32	10
	26	00	16	11	16	04	28	12	28	17	28	16	25	08	27	16	27	25	27	25	26	31	28	28
	26	12	30	01	36	02	28	07	29	21	29	21	29	10	27	14	27	27	28	41	27	46	27	45
	27	00	14	20	09	04	13	08	21	03														
	27	12	12	31	11	26	09	22																
	28	00	13	31	12	40	10	43																
	28	12																						
	29	00																						
	29	12																						
	30	00	15	26	12	45	10	46																
	30	12	14	30	11	33	10	49																
	31	00	15	44	12	35																		
	31	12	15	40	13	32	10	34																
	31	23	15	48	13	69	09	38	09	29														

Results of Upper Wind Observations,
MAWSON 1959

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	12	28	10																				
	05	00	26	49	26	31	27	20																
	12	01	21	16	21	16	19	10	18	10														
	12	12	18	23																				
	14	00	20	25	21	19	20	24																
	14	12	24	32	24	26	23	23	22	18	24	20												
	15	00	24	31	24	31	23	25	24	19	25	20												
	16	12	24	39	25	32	25	33																
	17	00	25	50	25	41	25	27																
	17	12	26	34	26	35	26	32	24	28	25	21												
	18	12	26	29	27	28	26	20	25	17	24	10												
	19	00	27	21	27	23	27	18	27	12	28	07												
	21	00	26	54	26	32	26	41	25	21	25	16												
	24	00	27	08	28	14	26	09																
	24	12	28	22	27	23	28	20	26	16	31	09												
	28	00	24	27	24	24	24	16																
2	05	12	30	32	30	30	29	27	29	23														
	06	00	30	26	31	24	30	23	31	18	32	13												
	06	12	31	27	31	21	31	26	32	20	35	08												
	07	00	32	21	32	21	33	23	32	16	02	15												
	07	12	32	25	33	22	34	18	33	20	33	13												
	08	00	32	24	33	21	32	22																
	08	12	32	31	32	26	32	18	32	18	31	13												
	09	00	32	32	33	29	33	38																
	15	12	21	29	21	25	22	16	23	16	21	12												
	19	00	21	50	21	29	22	39	16	38														
	20	00	22	52	23	55	24	53	23	45	22	43												
	20	12	22	25	24	29	21	28	23	20	21	27												
	22	00	24	28	24	23	24	22	25	18	24	19												
	22	12	25	28	25	28	27	21	25	21	26	14												
	23	12	26	29	25	21	25	21	25	19														
	24	00	25	29	24	22	26	15	25	24														
	24	12	24	29	25	36	26	16	26	16	25	22												
	25	00	25	49	25	38	25	43	26	23	24	24												
	25	12	25	41	27	33	28	20	29	18														
	28	23	29	27	29	23	30	21	29	18	28	16												
3	05	00	25	19	26	14	27	16	26	14	28	10												
	06	12	21	47	21	38	21	30	24	21	24	22												
	08	00	22	20	23	24	23	26	22	24	24	25												
	09	00	24	51	25	40	24	28	24	34	24	21												
	19	12	30	19	29	25	30	17																
	21	12	26	21	28	23																		
	28	12	24	17	24	14	24	17	27	24	26	15												
	29	12	25	42	25	39	25	41	26	35														
4	04	12	24	37	24	40	23	36																
	10	10	30	24	30	33	30	26	28	28														
	15	11	25	57	24	65	24	60	25	47	25	55												
	20	12	26	28	26	35	26	43																
	24	08	23	41	24	38	25	47																
	30	05	22	47	22	51	22	53	24	46														
	30	10	23	39	23	44	22	54	23	51	23	55												
5	01	05	22	39	23	26	22	49																
	01	10	21	36	23	48	23	34	23	36	23	56												
	09	04	19	10	23	23	24	29	25	41	25	42												
	09	10	23	20	25	29	25	40	25	46	25	49												
	11	06	25	48	25	52	25	57																
	11	10	26	54	26	55	26	61																
	14	06	30	39	29	45	29	45	30	53	29	56												
	17	06	27	24	26	29	27	34																
	18	10	28	16	26	25	25	27	26	39	26	46												
	25	05	25	25	25	26	26	30	26	38	26	54												
	28	06	27	41	27	52	27	39	27	62	27	52												
6	02	08	20	52	21	37	25	31	23	47														
	03	09	21	34	24	36	23	35																
	11	08	25	22	27	33	26	49	27	56														
	20	08	23	06	25	20	27	21																
	25	07	26	32																				
7	02	08	32	20	30	28	28	31	29	42														
	07	08	30	25																				
	13	09	28	12	26	17	22	28																
	15	08	26	45	27	52	26	55																
	17	08	25	22	25	30	25	40																
	26	06	28	24	28	35																		

Results of Upper Wind Observations,
MAWSON 1959

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	03	06	18	03	23	06	29	10	31	15														
	06	10	20	49	18	38																		
	08	10	29	29	29	40	29	59																
	09	05	31	22	31	21	29	39	29	36														
	12	11	15	21																				
	14	04	21	40	22	32																		
	14	10	22	36	22	36	25	36																
	15	11	25	44	25	37	25	49																
	21	07	27	37	26	36	27	23	27	24														
	25	11	20	51	21	61	22	56	22	60														
	26	04	24	52	24	52	25	51	25	63														
	26	11	25	39	25	44	26	66	26	62														
	27	03	23	72	24	60	25	64	25	80														
	27	11	24	93	25	64	26	82	26	62														
	28	11	27	58	28	55	27	59	26	66	28	64												
	29	03	27	50	27	43	27	55																
	29	11	27	40	27	48	27	50																
	30	06	25	38	28	36	27	39																
	30	11	26	38	26	35	27	55																
	31	03	25	32	25	45																		
	31	11	25	58	24	45	23	54	25	60														
9	03	11	29	44	28	46	27	50	27	70														
	20	12	26	33	25	39	26	53																
	23	12	25	55	25	75	25	84	25	83														
	24	03	25	61																				
	30	23	15	28	21	25	23	29	24	42														
0	01	12	18	21	20	11	23	22	25	38	25	53												
	01	23	25	23	25	30	25	50	26	53														
	02	12	24	21	26	28	27	43	27	49	27	50												
	03	01	22	27	27	27	28	46	28	57	28	57												
	03	12	26	28	26	37	27	58																
	04	01	28	30	28	36	29	54	30	53	28	63												
	04	12	29	26	28	31	29	29	28	35	30	39												
	05	01	25	27	24	21	25	22	23	33														
	05	12	17	45	19	32	19	39																
	06	01	18	30	20	32	22	33	21	43														
	06	12	19	35	21	37	22	33	23	29	25	47												
	07	01	26	20	26	27	26	24	27	38														
	07	12	30	35	30	33	29	33	28	42	28	39												
	13	00	22	32	22	27	23	36	23	37	24	31												
	15	01	24	46																				
	15	12	25	52	25	37	25	38	23	43	24	34												
	20	12	31	29	30	21	27	21	26	26														
	21	12	24	54	24	72	24	76	24	71	24	84												
	23	00	25	84	25	80	26	70	27	72														
	23	12	27	89																				
	26	12	24	22	24	25	25	33	27	28	26	39												
	27	00	27	23	26	28	25	33	25	28														
	30	01	26	37																				
11	01	12	29	26	28	31	27	44																
	03	00	27	17	26	19	26	28	25	30	27	41												
	03	12	27	17	26	21																		
	04	00	23	17	24	22	24	31																
	04	12	23	22	24	18	25	28	26	35	25	44												
	05	00	26	28	26	29	26	32	27	38														
	05	12	28	25	28	28	28	35	27	34	27	53												
	06	12	23	41	24	46	25	48	26	58	26	62												
	08	12	27	41	27	47	27	45	27	52	27	75												
	14	00	27	20	26	25	28	30	27	38														
	16	12	20	11	23	14	25	16	25	27	26	30												
	17	00	24	27	23	26	25	38	24	44	24	55												
	17	12	23	55	24	58	24	63	24	56														
	19	12	28	110	28	92																		
	21	12	31	09	29	14																		
	23	00	24	30	24	31																		
	23	12	25	37	24	43	25	46																
	24	00	25	53	25	64	25	66	25	65	25	67												
	25	00	29	26	29	37	31	48																
	26	12	31	17	31	23																		
	27	00	30	07																				
	28	00	32	15	31	19	30	20	29	20	30	27												
	28	12	27	07	29	14	27	15	29	17	29	18												

Results of Upper Wind Observations,
MAWSON 1959

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
12	01	12	26	40	26	57	25	59	25	60	23	51												
	02	12	28	47	28	47	27	52	28	51	26	56												
	03	00	30	40	30	44	29	41	28	31	29	37												
	04	12	29	26	29	27	29	27	25	32														
	06	12	29	31	29	35	30	27	29	24	30	21												
	09	00	22	34	24	25	25	21	25	20														
	09	12	24	42	24	32	24	24	25	26	25	20												
	10	00	24	27	24	21	26	19	27	12														
	10	12	25	15	28	16	27	15	28	19														
	11	00	33	17	32	18	33	18	32	10	30	12												
	11	12	36	26	36	28	36	26	36	23	36	25												
	17	00	36	11	36	11	33	12	36	06	36	04												
	18	00	26	04	30	05	29	07	28	05	29	03												
	18	12	28	07	27	11	28	11	28	10	28	10												
	20	12	14	03	04	06	05	04																
	21	01	01	14	36	11	01	15	03	18	03	22												
	22	12	01	24	36	24	36	22	01	15	02	12												
	25	12	26	04	23	07	27	18	27	05	27	02												
	26	00	28	30	26	18	24	11	22	13	23	12												
	26	12	28	40	27	29	26	20	26	18	26	16												

Results of Upper Wind Observations,
WILKES 1959

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	01	00	15	08	15	07	26	04	25	07	18	11	24	16	23	30	24	67	23	63	22	65	23	39
	01	12	00	00	25	03	15	03	22	06	20	12	22	20	23	43	24	54	24	77	24	62	24	47
	02	00	34	04	25	08	11	10	13	10	11	15	12	19	15	14	24	24	27	33	26	31		
	02	12	16	07																				
	03	00	05	05																				
	03	12	16	10	14	12	11	17	13	22	13	26												
	04	00	09	07																				
	04	12	16	10																				
	05	00	16	06	09	06	00	00	18	10	16	17	16	19										
	05	12	00	00	25	03	10	02	12	05	15	05	20	08	20	15								
	06	00	08	02	22	03	25	04	21	10	20	06	22	07										
	06	12	24	02	14	03	16	06	18	06	20	11												
	07	00	03	04																				
	07	12	22	01																				
	08	00	09	26																				
	08	12	09	34																				
	09	00	08	27																				
	09	12	03	12	04	20	02	08	02	04	08	08	31	10	28	05	25	06	18	08	21	11	28	14
	09	23	25	04																				
	10	12	19	10																				
	11	00	03	20																				
	11	12	16	06	09	07	06	06	01	03	28	08	26	16										
	12	00	06	04	09	01	10	02	20	02	25	09												
	12	12	01	12																				
	13	00	18	05	11	06	11	07	21	05	24	13												
	13	12	02	02	07	06	09	06	10	05	21	04	24	15										
	14	00	01	06	34	03	24	05	18	06	19	05	25	16										
	14	12	31	06	36	10	32	05	25	04	27	08	26	17										
	15	00	01	08	04	10	03	07	01	03	30	07	26	18										
	15	12	08	10																				
	16	00	30	04	17	02	09	02	22	03					33	02	08	09	06	09	35	10	35	10
	16	12	20	06	15	05	01	02	24	09	24	14	00	00	22	04	15	03	20	08	32	06	30	07
	17	00	01	08																				
	17	12	30	06																				
	18	00	02	08	04	07	25	02	24	08														
	18	12	09	08	17	02	24	04	24	09	25	14	24	23	24	30	24	54	24	62	25	58	26	33
	19	00	16	06	17	10	09	02	22	05	27	17	27	12	27	15	27	22	25	29	25	35	27	23
	19	12	09	04	09	04	05	03	28	08	28	09	29	14	32	13	35	16	34	21	35	26	31	22
	20	00	00	00															33	31	33	36	31	27
	20	12	07	14	05	23	02	16	03	08	06	06	06	13	05	14	35	21	33	34	33	34	32	35
	21	00	13	12	10	16	08	14	08	19	08	14	12	16	07	18	02	27	36	40	35	29	35	22
	21	11	18	02	11	02	07	12	11	11	12	11	12	22	14	32	06	23	05	21	05	22	35	08
	22	00	35	02	05	10	09	21	05	21	05	14	10	18	12	24	12	23	12	39	13	10	10	03
	22	12	18	09	13	08	10	15	10	23	09	29	10	25	13	16	11	27	12	22	26	03	24	06
	23	00	11	30	10	31	10	26	09	21	09	17	10	16	10	28	13	25	16	08	26	06	28	13
	23	12	07	18	07	37	06	33	06	31	07	25	08	27	11	28	07	15	02	03	00	00	30	10
	24	00	17	10																	32	08	28	09
	24	12	35	09	35	08	28	05	19	04	18	04	13	11	18	11	00	00	15	02	24	06	26	11
	25	00	28	04									24	12	25	12	24	10	24	14	24	19	25	15
	25	11	34	08	01	08	32	10	29	14	28	18	28	16	26	22	28	29	25	27	26	25	28	19
	25	23	10	06							29	14	31	16	31	17	31	21	32	23	29	22	27	23
	26	11	03	06	01	08	26	05	26	13	28	19	27	30	25	16	26	12	26	16	26	23	25	27
	27	00	05	10	05	02	18	03	22	02	23	11	25	21	24	27	25	34	24	50	24	48	25	26
	27	12	00	00	25	04	25	10	25	16	25	24	26	27	26	23	26	20	25	16	26	34	27	36
	28	00	06	10	04	10	30	02	25	08	25	14	24	23	24	32	24	35						
	28	12	19	06	19	09	19	16	20	17	22	26	22	40										
3	01	00	36	06																				
	01	13	15	08	13	05	05	11	34	11	29	19	28	16	29	31	28	49	29	54	29	55	28	45
	02	00	18	02	23	01	34	02	24	03	25	09	26	13	25	35	25	39	24	42	26	48	26	47
	02	12	14	06	15	08	19	12	23	16	24	18	24	27	25	43	26	25	26	49	27	45	27	46
	02	23	04	04	03	08	21	05	22	10	23	14	24	16	24	28	25	30	25	31	25	27	26	36
	03	12	17	10	18	15	19	21	20	29	21	31	23	43										
	03	23	17	04	21	05	23	28	16	14	20	16	23	28	25	46	25	52	26	68	25	87	25	66
	04	13	13	07	09	17	06	25	04	19	03	21	36	23	36	34	36	40	35	52	34	52	31	41
	05	00	09	30																				
	05	12	00	00	08	08	05	13	06	14	32	15	30	13	31	18	30	10	29	06	32	09	30	11
	06	02	18	11	10	04	05	14	03	09	01	13	34	12	35	07	28	14	29	10	32	14		
	06	12	19	07	11	05	05	07	02	13	02	07	30	03										
	07	00	20	06																				
	07	11	15	01	26	04	28	12	27	18	27	20	28	20	25	13	27	19	28	19	26	13	28	14
	08	00	06	08	18	08	30	10	28	12	28	16	29	19	31	14	30	12	30	22	28	32	29	27
	08	12	10	28	08	29	07	16	08	16	08	15	06	22	01	18	35	35	34	60	34	66	33	38
	09	00	16	08	11	41	09	60	07	79	06	46	06	57	05	39	07	45	06	59	04	51	01	21
	09	12	09	63																				
	10	00	09	36																				
	10	12	13	04																				
	10	23	07	09							10	14	14	09	25	14	28	38	29	91	29	75	29	31
	11	13	08	08	12	02	21	02	18	01	17	10	18	11	18	12	27	19	30	48	27	28	24	21
	11	23	16	06	05	05	13	04	19	05	14	08	17	11	18	12	23	13	26	10	24	21	23	18
	12	13	17	18	06	05	01	12	01	02	16	11	17	07	20	10	24	12						
	13	00	18	08																				

Results of Upper Wind Observations,
WILKES 1959

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	13	13	17	11											21	32	22	50						
	14	01	16	11	05	04	17	07	18	22	19	30	21	36	21	52	22	71	23	75	24	82	24	68
	14	12	17	27	16	27	18	20	19	26	19	34	21	43	23	40								
	15	00	17	22	15	18	13	20	17	24	20	32	21	31										
	15	13	09	07	09	03	09	19	14	21	18	22	22	30	23	49	25	51	24	48				
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	24	12	18	12																				
	24	23	07	04	10	05	19	11	18	10	22	12	23	18	23	42	24	37	24	37	26	52	26	52
	25	11	18	04																				
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	28	01	22	09	22	07	20	02	20	03	27	08	28	10	32	20	34	41	34	55	33	48	32	41
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	12	03	30	06									29	14	25	30	25	25	27	27	26	30	26	27
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	13	02	19	30	20	26	20	29	20	30	21	41	22	48	23	75	23	85	23	112	23	89	24	65
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	20	12	09	17	09	31	07	29	05	26	06	24	07	18	09	16	09	02	27	21	28	21	30	21
	21	00	09	36																				
	21	12	16	03							11	18	11	23	07	07	34	23	34	36	33	48	33	25

Results of Upper Wind Observations,
WILKES 1959

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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	23	01	16	02	23	04	33	04	07	08	06	05	09	09	15	13	15	25	14	26	14	23	22	05
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	26	01	09	04	07	04	36	10	06	08	09	18	06	19	03	21	23	10	23	26	22	22	25	17
	26	11	09	03											07	08	26	09	26	22	25	19	25	19
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	30	12	00	00											31	06	24	34	25	43	25	34	27	27
5	01	01	04	01	10	04	10	05	16	12	14	08	11	06	21	11	23	18	24	29	26	29	29	20
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	04	12	14	28	12	33	09	38	08	31	11	12	09	22	04	33	03	38	01	41	36	43	35	40
	05	02	07	36	06	40	05	41	05	42	05	37	05	31	07	31	06	50	06	42	03	40	01	25
	05	11	07	22																			02	28
	05	23	03	15	02	18	32	14	28	09	29	07	01	04	08	05	06	07	09	05	04	10	35	14
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	07	01	08	17	06	19	01	13	01	06	06	08	04	15	35	07	17	11	24	12	24	23	24	27
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	09	11	18	10	15	09	03	18	01	23	36	17	36	20	36	22	01	14	33	08				
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	10	12	31	10											24	30	26	25	25	25	25	28	26	38
	11	01	18	08	20	11	22	12	25	19	25	29	25	38	26	47	26	51	26	73	26	76	26	61
	11	12	20	08																				
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	12	12	35	10	02	16	36	06	05	03	00	00	09	02	20	05	28	14	30	20	29	29	28	36
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	17	01	05	02	00	00	07	08	08	07	07	09	08	10	03	12	04	14	03	17	36	14	33	20
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	19	02	12	02	12	07	10	03	04	06	32	07	29	08	28	10	28	17	26	45	27	44	27	44
	19	12	11	02					06	10	04	18	02	14	36	11	28	30	28	47	28	52	28	55
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	20	12	08	43																				
	21	00	08	51																				
	21	12	08	41																				
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	23	11	00	00					10	06	11	10	11	02	02	09	07	14	06	28	07	31	04	24
	23	23	36	04	07	02	15	03	10	13	09	09	13	12	12	04	11	10	09	16	08	22	01	14
	24	12	14	08	11	16	06	23	06	20	07	30	07	26	08	19	04	35	02	46	02	44	02	31
	25	00	10	45																				
	25	12	19	15					15	05	10	13	09	13	09	20	11	31	09	19	13	15	34	08
	26	02	12	12	10	20	08	31	07	41	07	40	14	20	05	07	00	00	30	13	28	25	29	29
	26	11	06	05	06	22	05	26	06	26	06	32	10	24	03	15	32	14	30	27	28	41	28	48
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	28	11	14	06											33	24	31	49	31	79	31	69	31	57
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Results of Upper Wind Observations,
WILKES 1959

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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	03	00	08	50																				
	03	12	09	35																				
	04	00	09	47																				
	04	11	12	15					05	37	06	34	08	34	07	50	07	31	10	25	06	26	04	34
	05	02	17	18	14	14	07	17	06	19	08	20	10	35	09	35	12	16	14	22	11	23	06	10
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	06	01	16	15	11	04	18	05	15	06	15	09	28	02	28	15	30	23	30	37	30	37	30	23
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	09	00	09	59																				
	09	12	07	58																				
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	13	01	34	12	32	08	24	10	09	03	21	05	26	05	27	17	28	23	27	37	26	45	26	52
	13	11	28	02									23	33	24	38	24	53	23	64	24	66	24	56
	14	00	19	08	05	07	05	02	19	16	20	15	21	24	22	42	22	52	23	69	22	71	23	68
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	21	11	18	04							01	14	35	15	32	15	32	20	32	26	32	29	32	39
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	24	01	09	20											35	28	34	30	35	30	34	42	32	43
	24	12	09	50																				
	25	00	09	36																				
	25	12	09	63																				
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	26	12	36	12	35	11	03	14	02	12	36	08	02	10	36	11	28	17	30	10	27	12	31	15
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	28	11	00	00					24	25	25	26	26	40	26	50	26	56	27	68	28	71	28	63
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	01	12	09	41																				
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	02	11	16	08									11	17	07	21	08	20	10	15	03	05	29	07
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	05	12	06	08					21	06	18	14	23	24	24	28	24	33	25	52	24	105	24	76
	06	01	03	06											30	40	28	55	28	62	28	78	28	88
	06	12	07	38																				
	07	01	03	15	04	20	04	17	32	16	32	16	34	17	32	40	32	52	32	53	32	52	31	49
	07	11	00	00	11	03	11	03	21	04	25	06	23	13	28	41	27	70	27	82	26	79	27	64
	08	01	27	03									03	17	34	27	33	32	32	31	31	42	32	35
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Results of Upper Wind Observations,
WILKES 1959

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	12	00	13	15																				
	12	12	11	63																				
	13	04	09	05	12	12	07	13	07	18	05	22	10	31	08	46	09	43	09	54	09	55	08	63
	13	11	21	04	12	01	08	08	10	18	11	18	10	20	10	24	09	35	10	39	10	39	09	37
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	15	01	03	02											16	25	21	20	25	18	24	22	23	19
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	26	00	17	07	08	09	06	10	05	21	03	24	02	19	01	21	01	29	36	23	33	27	33	31
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	27	01	04	15	05	18	05	17	14	11	14	20	12	11	10	07	20	06	26	05	27	18	29	29
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	28	01	17	10	17	08	16	16	16	21	16	21	18	41	18	37	19	33	19	46	20	43	22	32
	28	12	03	08	06	07	09	11	12	14	12	17	12	18	12	18	15	22	18	29	19	42	20	31
	29	01	18	15																				
	29	12	11	05	13	07	09	04	08	15	12	10	12	20	06	12	07	21	06	25	04	25	32	05
	30	01	17	08	09	03	06	22	07	36	07	18	07	23	04	31	04	37	04	34	01	16	30	12
	30	12	15	06	17	03	09	06	07	13	11	16	06	06	03	09	36	13	25	30	24	24	25	22
	31	01	03	08									18	03	25	07	23	30	23	47	22	59		
	31	12	06	02									21	14	23	18	24	15	25	28	26	29	25	33
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	10	12	09	37																				
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	14	12	09	46																				
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	15	11	15	02	02	05	31	11	35	01	15	08	13	18	17	11	18	13						
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Results of Upper Wind Observations,
WILKES 1959

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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	21	23	14	10	16	11	12	18	07	45														
	22	11	10	25	10	15	03	02	07	09	05	20	06	35	06	14	03	18	04	20	03	27	01	30
	23	00	02	13	02	05	12	05	10	08	11	11	32	07	05	13	03	21	03	41	03	40	01	19
	23	12	09	15	10	09	12	06	05	07	30	14	31	10	31	17	33	20	35	14	32	28	33	24
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	24	11	00	00					22	06	18	09	22	17	25	11	29	20	29	23	28	20	26	16
	25	01	02	09	36	08	28	13	27	15	27	17	27	14	23	18	22	21	20	35	20	44	22	32
	25	11	06	02	07	06	09	05	12	10	17	03	21	05	19	11	19	25	19	26	19	28	19	43
	26	01	10	02	05	16	07	13	10	18	13	08	10	09	10	10	05	05	08	08	05	08	03	10
	26	11	17	08	11	04	01	05	06	07	08	13	09	10	09	15	04	12	05	19	04	22	03	21
	27	01	16	08					32	07	21	01	19	03	12	08	04	07	04	14	03	24	32	13
	27	11	13	04	08	09	04	19	30	10	29	10	23	07	01	04	32	06	34	13	31	15	28	23
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	31	00	24	07																				
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	01	11	05	05	02	05	03	07	36	09	32	09	34	08	35	14	34	20	33	26	33	27	31	35
	02	00	05	08																				
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	08	11	09	14	06	12	07	12	11	04	05	03	22	03	26	29	28	50	27	56	28	49	27	50
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	18	01	00	00	00	00	05	16	06	26	08	16	01	09	02	08	01	15	01	29	33	35	30	49
	18	12	03	09	00	00	30	05	13	16	13	19	11	15	21	15	17	07	12	09	26	15	27	34
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	19	23	02	16	04	15	07	09	00	00	26	19	26	22	26	28	26	31	27	25	27	43	27	47
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	29	12	09	52																				
	30	02	08	30													07	38	07	37	05	26	07	23
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Results of Upper Wind Observations,
WILKES 1959

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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	01	12	09	06																				
	02	01	03	08	10	06	24	03	30	05	28	08	32	06	29	20	29	39	29	38	29	34	29	41
	02	12	09	15					10	08	36	09	32	09	32	12	28	27	29	57	28	68	28	56
	03	01	10	42	08	44	06	42	05	32	05	25	06	20	34	39	31	47	32	41	32	47	31	36
	03	12	10	66																				
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	05	01	08	09	04	11	02	07	05	07	05	06	23	04	29	19	24	26	24	38	26	39	27	51
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	07	01	18	11							11	13	12	12	03	05	34	17	34	22	33	23	33	31
	07	10	09	06	09	10	06	09	07	07	10	16	10	22	09	09	33	10	33	14	32	14	32	16
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	13	00	09	45																				
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	14	01	08	24	07	32	04	19	04	16	06	17	06	20	08	24	08	29	03	29	36	16		
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	15	00	18	14	14	11	14	16	19	17	17	17	15	04	20	07	01	07	36	11	03	12	33	08
	15	11	26	10	24	12	28	17	26	13	28	15	27	11	32	11	34	10	01	15	35	12	33	17
	16	00	06	20	03	25	35	22	35	24	34	20	29	05	36	13	35	22	34	26	33	15	31	20
	16	11	07	12	06	08	08	03	06	04	07	03	16	03	21	07	23	10	27	12	27	15	26	19
	17	01	07	05	12	14	15	20	16	20	17	15	22	14	22	14	24	22	24	49	24	52	25	49
	17	11	17	06	19	11	21	09	23	10	25	16	28	15	26	39	26	49	26	64	26	95	26	82
	17	23	18	04	11	05	10	08	07	02	26	03	26	14	27	39	28	63	29	72	29	83	28	77
	18	15	18	04	12	06	06	22	08	17	08	16	36	07	32	23	31	49	32	66	32	70	32	54
	19	01	17	05													07	22	10	29	05	20	35	15
	19	12	07	06	33	05	21	10	20	03	28	14	28	12	31	08	30	04	07	04	33	03	29	09
	20	01	04	03											33	10	31	15	27	11	25	23	25	36
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	21	00	09	59																				
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	22	00	01	02																				
	22	12																						
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11	01	00	11	53																				
	01	12	11	48																				
	02	00	09	52																				
	02	12	11	62																				
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Results of Upper Wind Observations,
WILKES 1959

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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	17	01	04	06	04	10	05	18	07	08	15	06	08	10	05	18	06	21	05	32	34	10	30	15
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	21	01	15	03	08	04	03	18	01	14	35	16	31	08	25	17	25	26	25	38	25	39	25	51
	21	11	06	15	05	18	04	12	04	11	04	11	35	10	28	16	29	21	30	24	28	40	27	52
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	24	12	36	03	01	04	03	03	20	04	21	18	19	16	21	18	21	25	22	25	22	18	28	32
	25	01	29	13	28	12	29	07	28	20	26	27	26	25	26	27	26	27	26	31	27	27	27	44
	25	11	29	14	28	13	28	19	27	30	27	29	27	35	27	36	27	37	27	44				
	26	01	07	20	05	29	04	10	06	14	02	23	01	08	34	18	32	21	31	29	30	31	28	33
	26	11	06	02	20	02	22	08	23	10	19	05	12	04	30	09	31	16	29	22	26	33	27	41
	27	00	03	02	04	04	26	07	23	08	24	14	24	22	25	42	24	73	24	92	24	120		
	27	11	04	28	04	29	04	25	04	26	02	26	35	32	32	51	31	61	31	70	30	80	30	94
	28	01	33	15	32	24	30	27	32	21	33	23	34	18	32	26	32	29	31	37	31	49	31	63
	28	11	33	14	32	09	30	19	29	22	28	23	28	24	28	30	28	41	28	47	28	41	29	48
	28	23	00	00	27	08	36	12	25	18	23	17	24	15	25	35	25	49	26	64	26	51	27	52
	29	11	04	12	03	15	02	09	07	07	08	07	01	06	31	19	29	32	29	43	30	61	29	64
	30	01	09	34	07	39	05	24	10	12	12	16	04	19	04	16	02	10	04	14	36	18	34	28
	30	13	09	36	08	35	05	27	04	17	06	24	08	20	11	13	09	30	12	21	12	16	06	04
	30	23	01	03	05	10	05	08	08	05	07	06	11	07	13	07	16	14	14	23	17	20	19	11
12	01	11	04	12	02	13	36	11	35	11	03	06	36	04	26	04	20	09	21	18	22	21	23	20
	01	23	05	15	04	30	04	26	02	19	02	12	06	10	34	10	33	09	30	10	26	23	25	27
	02	12	07	01	07	10	07	10	08	13	08	13	05	10	01	07	33	15	31	20	27	24	25	36
	03	01	00	00	00	00	00	00	12	02	17	04	19	03	27	05	28	10	25	30	25	41	25	45
	03	11	00	00	00	00	00	00	23	10	22	09	21	11	22	17	23	30	24	39	24	44	24	50
	04	01	04	08	02	05	20	09	19	15	21	17	23	17	23	23	23	56	23	65	23	56	24	57
	04	12	18	10	16	17	17	20	19	22	20	24	22	24	23	43	24	58	24	76	24	79	25	56
	05	01	18	16	18	16	19	12	20	13	19	21	24	26	24	32	25	29	26	40	25	58	25	61
	05	11	01	10	04	10	12	07	17	11	16	08	23	14	25	19	25	50	25	60	26	68	26	57
	05	23	16	02	14	06	08	24	09	20	06	20	06	19	35	22	34	31	33	40	32	55	31	51
	06	12	09	45	08	53	05	66	05	60	04	48	03	27	02	43	01	62	01	69	01	86	36	64
	07	01	08	30	07	51	05	52	05	16	09	07	03	08	04	20	34	32	34	36	01	40	02	38
	07	12	10	25	06	29	04	24	05	12	13	08	07	22	04	24	03	44	04	56	03	45	02	31
	08	01	06	18	06	34	05	32	05	25	07	16	06	19	04	30	05	42	05	32	02	22	01	18
	08	12	03	12	05	24	04	19	05	08	04	09	07	13	01	20	36	33	36	36	35	32	32	16
	09	01	00	00	07	03	08	06	09	07	07	05	09	03	05	10	04	14	30	08	27	20	27	17
	09	11	20	16	19	06	33	01	16	02	25	03	25	06	25	17	25	44	25	56	26	52	27	33
	10	00	06	11	05	12	05	11	06	09	04	09	34	08	30	21	29	29	30	28	29	32	29	21
	10	12	09	10	08	25	06	39	05	25	12	10	03	19	02	11	04	08	06	11	35	15	32	24
	11	01	05	17	05	26	05	29	09	10	06	10	01	18	36	11	32	06	03	10	34	15	35	14
	11	12	02	05	06	13	04	14	05	10	06	07	05	09	09	16	10	18	10	23	11	10	01	05
	12	01	00	00	00	00	11	04	09	08	10	03	13	05	11	11	16	26	17	27	18	18	21	09
	12	12	36	06	36	03	26	06	25	04	19	04	17	08	16	08	19	17	21	19	23	16	23	15
	12	23	03	06	06	08	06	09	10	04	15	04	17	07	15	08	20	11	23	24	24	14	22	13
	13	12	29	02	11	02	06	09	08	08	07	06	14	07	13	07	16	11	23	17	23	12	22	10
	14	01	18	06	19	08	21	07	26	05	06	03	10	05	19	04	17	08	18	03	26	10	27	07
	14	14	27	01	22	03	27	03	25	04	10	05	06	02	26	02	18	06	27	04	27	06	36	05
	15	01	04	02	02	03	33	03	25	05	30	04	01	03	29	05	27	07	23	08	27	09	05	05
	15	11	00	00	05	04	04	08	11	01	20	01	35	05	28	17	27	20	28	19	28	16	20	04
	16	01	00	00	06	04	07	06	12	08	05	06	04	07	29	18	31	19	32	25	32	19	31	18
	16	11	20	09	18	10	13	04	07	08	06	09	07	06	31	14	29	14	27	15	31	20	30	19
	17	01	02	08	04	13	03	09	06	10	04	12	01	12	02	25	02	39	02	13	36	29	31	21
	17	11	00	00	00	00	14	09	13	14	15	08	21	03	02	25	36	21	31	23	31	27	31	23
	18	01	16	10	13	09	06	18	05	18	05	22	04	28	04	41	03	40	02	50	01	44	33	26
	18	11	00	00	00	00	04	18	04	21	04	11	06	17	03	36	03	48	03	57	01	42	33	37
	19	01	36	02	05	10	05	07	08	10	03	08	32	10	29	21	28	30	28	40	29	38	29	36
	19	11	00	00	11	03	09	11	07	19	05	13	02	12	36	24	33	29	32	31	30	37	31	34
	20	01	30	10	04	08	07	27	06	33	06	31	08	28	05	31	05	27	03	23	02	25	36	15
	20	12	09	18	07	20	06	13	13	11	11	16	08	28	07	23	07	16	09	27	11	14	33	06
	21	01	15	04	20	04	13	06	10	19	11	25	12	25	12	24	13	31	13	40	13	41	15	29
	21	11	32	02	00	00	00	00	07	12	11	29	14	33	13	50	12	51	10	39	11	41	12	35

Results of Upper Wind Observations,
WILKES 1959

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	22	01	09	10	08	12	06	12	09	08	13	05	12	23	13	27	12	41	12	50	12	59	12	23
	22	11	09	14	11	25	03	05	18	04	14	17	11	27	13	28	13	37	13	36	14	35	13	31
	23	01	04	03	02	06	04	08	14	03	13	12	12	26	13	13	13	39	13	39	13	42	13	27
	23	11	21	03	22	05	22	06	08	06	09	13	10	13	11	26	11	31	12	45	11	48	11	29
	24	01	27	03	31	02	07	05	13	07	06	06	11	21	12	19	11	22	11	28	11	31	08	15
	24	11	18	04	17	05	17	06	16	04	17	06	13	11	12	14	12	14	11	16	13	12	10	09
	25	00	19	03	06	02	04	03	06	08	06	13	10	12	14	15	15	13	15	18	15	13	11	13
	25	11	01	03	05	02	13	05	11	07	12	12	08	13	35	12	34	16	06	09	11	15	11	15
	26	00	08	17	07	35	05	28	06	17	11	12	06	15	07	20	08	21	09	26	08	25	08	22
	26	11	10	20	09	28	08	31	07	26	08	21	10	15	09	31	08	27	08	19	08	30	08	14
	27	00	09	10	09	10	09	16	08	25	07	26	08	27	12	20	10	36	09	31	13	21	10	12
	27	11	23	05	14	05	06	15	06	18	07	15	11	15	13	18	13	14	15	28	14	18	14	17
	28	01	00	00	00	00	08	06	13	08	11	03	17	05	16	12	17	29	18	39	19	39	19	25
	28	12	00	00	25	04	26	07	26	11	24	09	24	13	23	21	22	38	21	58	20	64	21	50
	29	01																						
	29	12	17	08	14	13	15	23	17	12	18	21	19	25	21	48	21	57	22	50	22	55	22	53
	30	01	02	04	03	11	08	04	19	11	20	10	24	15	25	29	26	38	27	46	27	37	26	27
	30	12	01	08	03	09	15	06	10	05	17	07	21	14	24	17	23	15	25	12	25	19	24	26
	31	01	02	02	03	05	01	09	04	02	14	06	16	07	22	10	21	14	23	20	23	42	22	47
	31	11	15	05	16	07	10	06	08	14	10	10	19	06	24	19	23	19	24	35	23	87	23	65

Results of Upper Wind Observations,
WILKES 1959

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
2	01	12	24	32																				
	09	12	29	14																				
	16	12	28	10	29	16	29	12	30	12	28	16												
	18	12	27	30	28	29	28	27	29	20	28	16												
	19	00	28	25	28	21	28	21	29	15	29	17												
	19	12	29	21	30	20	29	19	30	16	29	15												
	20	00	32	26	32	21	30	19	31	15	30	15												
	20	12	32	27	32	28	32	16	32	19														
	21	00	34	26	34	18	33	18	31	14	32	14												
	21	11	34	12	34	13	30	19	35	18	32	11												
	22	00	31	03	26	08	30	10	29	09	31	08												
	22	12	25	09	25	08	29	11	27	10	27	08												
	23	00	28	14	27	14	29	13	29	12	31	13												
	23	12	29	13	29	14	29	13	29	10														
	24	00	28	13	28	15	27	14	28	08	29	20												
	24	12	26	10	27	15	27	16	27	15	27	14												
	25	00	26	14	26	20	26	19	27	16	27	17												
	25	11	26	23	26	22	26	21	26	19	26	20												
	25	23	27	22	26	21	27	20	26	22	26	18												
	26	11	25	28	26	27	26	28	26	29	26	17												
	27	00	25	35	25	29	26	28	26	24	28	20												
	27	12	26	27	26	30	26	28	26	25	26	21												
3	01	13	28	45	28	41	28	31	28	27	28	30												
	02	00	26	43	26	35	27	34	27	21	26	28												
	02	12	27	43	26	33	27	33	26	28	26	22												
	02	23	26	37	26	36	26	28	26	24	26	24												
	03	23	25	44	26	34	26	25	26	27	26	20												
	04	13	33	26	31	13	33	16	31	14	33	09												
	05	12	31	16	31	16	29	14	29	14	28	09												
	07	11	28	14	27	12	27	11	27	08	30	09												
	08	00	30	23	31	15	32	10	31	13	32	16												
	08	12	33	26	33	20	32	13	32	17	32	13												
	09	00	26	18	33	18	00	00	36	02	35	02												
	10	23	29	30	27	22	27	16	26	16	27	11												
	11	13	22	20	23	18	23	19	24	17	24	12												
	11	23	23	18	22	21	23	24	23	18	24	20												
	14	01	24	60	24	62	24	35	25	39	24	20												
	15	00	23	86	23	52	23	36	23	40	23	35												
	16	00	28	58	28	48	28	38	27	29	28	22												
	16	13	27	38	27	30	29	34	27	29	27	25												
	16	23	27	30	27	32	27	25	27	17	27	19												
	17	13	24	27	26	20	26	25	26	21	27	20												
	17	23	24	29	26	27	25	24	25	27	25	26												
	18	11	27	25	26	25	27	25	26	29	26	24												
	19	00	30	14	30	21	28	22	27	18	27	24												
	19	13	31	20	30	21	28	13	28	16	27	20												
	19	23	35	13	28	16	28	08	26	12	28	14												
	20	13	25	06	23	10	22	10	22	13	23	13												
	20	23	23	17	23	13	23	14	23	15	23	21												
	21	11	23	22	26	11	24	22	23	15	24	16												
	22	00	27	13	26	20	26	14	27	21	27	21												
	22	10	28	20	28	07	27	20	27	19	27	28												
	23	00	27	12	28	13	28	19	27	12	27	25												
	24	00	26	32	25	26	27	24	27	21	28	20												
	24	23	26	35	25	30	26	30	27	23	27	26												
	25	11	26	41	26	35	27	30	27	30	26	33												
	26	00	27	40	26	29	27	34	27	29	27	31												
	26	13	27	35	26	33	26	31	27	31	26	31												
	26	23	26	35	27	43	27	35	27	30	27	27												
	27	13	32	49	31	33	31	26	31	22	30	22												
	28	01	32	30	31	32	30	31	30	27	28	26												
	28	11	30	34	29	27	30	37	30	19	30	30												
	29	00	30	29	30	27	30	26	30	28	30	28												
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	30	01	33	16	32	21	31	21	30	25	30	28												
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	31	01	30	32	29	34	29	28	28	28	29	32												
	31	12	30	35	29	34	28	34	29	33	29	33												
4	01	01	32	28	31	29	31	25	31	24	30	33												
	01	11	31	22	31	26	32	30																
	02	01	30	43	31	43	31	42	31	40	31	38												
	02	12	33	36																				
	03	01	35	25	34	31	33	26	31	22	31	32												
	03	12	36	24	34	22																		
	04	01	03	12	04	10	27	05	31	03	32	03												
	04	12	01	14	34	12																		
	05	01	36	13	36	09	34	16	32	18	32	21												
	05	12	34	08	28	08	32	14	32	20	32	24												
	06	01	28	06	05	06	32	16	32	19	31	26												
	06	12	28	11	30	14	31	16																

Results of Upper Wind Observations,
WILKES 1959

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	07	01	34	07	33	16	32	20	31	17	32	18												
	07	12	35	10	33	11	32	15	30	12	30	14												
	08	02	03	04	36	08	31	07	31	10	31	12												
	08	11	01	07	01	04	30	08	30	09	30	09												
	09	01	01	17	35	24	34	21	34	21	33	23												
	09	13	01	17	33	13	35	23	31	20	32	19												
	10	02	32	13	32	13	33	17	30	20	31	16												
	10	12	30	11	32	14	30	17	31	24	29	19												
	11	01	27	14	27	17	27	17	27	23	26	21												
	11	11	24	21	24	29	24	29	24	29	24	28												
	12	03	25	29	26	29	27	25	26	23	26	24												
	12	13	25	42	26	29	26	36	26	31	26	32												
	13	02	24	46	24	34	25	30	24	20	24	25												
	13	12	25	38	26	39	27	34	26	33	27	32												
	14	01	28	25	28	29	28	30	28	31	28	32												
	14	12	27	35	27	20	28	26	28	26	27	31												
	15	01	26	23	28	29	29	22	29	27	30	29												
	15	11	28	17	29	18	30	17	29	20	29	16												
	16	01	24	07	29	11	30	18	31	18	30	26												
	16	12	24	14	27	06	28	11	29	15	28	17												
	17	01	27	15	28	13	30	15	30	19	29	25												
	17	12	27	20	27	17	28	20	28	21														
	18	01	31	18	29	22	29	22	29	30	28	29												
	18	11	31	15	30	23	30	17	30	29	27	30												
	19	02	31	16	30	18	28	21	28	19	27	23												
	19	12	30	18	30	19	29	21	28	25	27	27												
	20	01	30	20	30	20	29	23	28	23	28	27												
	20	12	30	20	30	22	30	26	28	28	28	33												
	21	12	32	19	31	18	29	23	28	26	28	31												
	22	01	32	13	30	17	30	23	28	25	28	30												
	22	11	29	11	28	16	29	22	28	31	28	33												
	23	01	27	09	28	16	28	25	28	30	29	38												
	23	12	27	20	28	25	28	33	28	37	29	45												
	24	01	28	29	29	34	30	40	29	46	30	52												
	24	12	32	27	30	39	30	41	31	54	31	64												
	25	01	31	11	31	23	30	33	30	39	30	43												
	25	11	26	17	28	20	28	28	28	37	29	39												
	26	01	26	15	26	21	27	27	27	25	29	31												
	26	11	25	18	26	21	26	26	26	28	27	30												
	27	01	25	14	23	19	25	19	24	22	26	23												
	27	12	24	10	25	18	25	17	25	17	25	23												
	28	01	29	05	27	12	27	13	26	15	27	21												
	28	12	26	09	26	16	25	14	27	14	27	22												
	29	01	25	14	26	20	25	17	26	21	26	23												
	29	11	24	21	26	24	26	23	26	31	27	27												
	30	01	27	26	26	29	28	21	28	41	28	38												
	30	12	29	23	28	27	29	32	29	37	29	42												
5	01	01	30	23	32	28	31	35	30	41	31	41												
	01	12	33	25	32	25	32	33	32	38	32	47												
	02	01	33	17	33	22	33	23	32	32	32	36												
	02	12	30	13	31	18	31	25	31	31	31	34												
	03	01	31	18	30	23	31	30	30	34	31	44												
	03	13	31	26	31	27	31	28	32	41														
	04	01	33	31	32	28	32	31	32	38	31	38												
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	05	02	36	25	35	27	36	36	33	29	34	37												
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	05	23	33	14	33	15																		
	06	11	30	12	30	20	30	21	30	30	29	29												
	07	01	24	24	25	27	26	34	27	35	27	44												
	07	11	24	50	25	52	25	51	24	48	25	57												
	08	01	26	54	26	52	27	54	26	57	27	73												
	08	12	28	57	28	55	28	63	28	58	28	57												
	09	01	30	52	29	59	29	62	29	64	29	64												
	10	01	27	37	28	46	28	48	28	53	27	53												
	10	12	26	42	26	45	26	56	26	54	26	59												
	11	01	26	59	26	65	26	55	26	61	26	63												
	12	01	29	61	28	48	29	50	29	56	28	57												
	12	12	27	36	28	44	26	48	26	54	26	51												
	13	01	25	46	25	57	26	53	25	57	25	59												
	13	11	24	57	23	58	25	64	25	72	25	61												
	14	01	27	59	27	56	27	56	27	50	27	60												
	14	12	28	62	28	59	28	54	28	63	28	54												
	15	01	30	47	29	48	31	47																
	15	12	29	39	29	44	28	53	28	56	27	57												
	16	02	30	32	29	33	28	50	28	51	28	60												
	16	11	30	31	30	36	30	45	29	54	28	66												
	17	01	31	26																				
	17	12	30	24	31	32	31	39	30	53	30	64												
	18	01	30	22	30	34	30	42	30	47	30	51												

Results of Upper Wind Observations,
WILKES 1959

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	18	12	28	34	29	43	29	47	29	55	29	63												
	19	02	28	47	28	49	28	57	28	59	29	67												
	19	12	28	53	29	45	29	56	29	56	29	67												
	22	02	32	28	32	27	32	42																
	22	12	33	32	32	29	32	40	31	47	30	55												
	23	01	36	25	33	27	32	35	32	40	32	56												
	23	11	04	18	35	28	35	40	33	46	33	44												
	23	23	36	13	35	28	34	31	34	43	33	53												
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	25	12	30	12	26	17	29	25	29	23	28	32												
	26	02	29	32	28	37																		
	26	11	28	46	28	52	28	49	28	53	28	59												
	27	01	28	85																				
	27	11	30	60	29	56	31	51	30	59	30	68												
	28	01	32	50	31	58	31	74																
	28	11	31	49	31	58	31	71	30	57	30	60												
	29	01	30	50	31	59	30	61	31	60	31	61												
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	07	12	27	14	25	19	25	33	25	47	24	58												
	08	01	27	20	26	35	25	45	25	51	25	64												
	08	12	28	30	26	40	26	53	27	54	27	64												
	10	01	29	29	28	35	28	51	28	65	27	72												
	10	11	28	28	27	37	28	46	28	57	29	61												
	11	01	24	44	25	46	25	47	25	65														
	11	11	24	82	24	64	24	81	24	68	24	81												
	12	01	27	101	27	62																		
	12	11	28	73	28	45	27	72																
	13	01	26	56	26	56	27	65	26	75	26	79												
	13	11	25	62	24	59	24	69	25	72	25	70												
	14	00	23	68	24	56	24	64	24	70	25	65												
	14	11	24	58	23	62	23	58	24	63	25	59												
	15	01	26	35	23	55	25	49	26	47														
	15	11	21	46	23	50	20	40	22	49	24	62												
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	16	11	21	39	20	35	23	53	23	47	23	58												
	17	01	20	36	22	37	22	40	23	51	24	60												
	17	11	20	32	22	39	24	38	25	47	25	52												
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	18	11	22	25	23	31	25	32																
	19	01	23	36	25	35	25	37	26	43	27	43												
	19	12	25	46	25	43	26	49	26	52	26	70												
	20	01	29	40	29	46	28	61	28	63														
	20	10	30	37	30	46	30	56	29	69	30	79												
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	22	01	31	37	29	43	29	43	29	47	28	47												
	23	01	28	38	28	50	27	56	28	69	28	73												
	23	12	28	49	28	57																		
	24	01	31	50	30	56																		
	26	02	32	22	32	31	31	37	31	43	31	52												
	26	12	31	30	29	39	28	46	28	54	28	63												
	27	01	28	47	27	63	27	65	27	68	28	68												
	27	11	27	53	28	55	27	54	27	68	27	74												
	28	01	28	52	28	61	28	64	28	71	27	60												
	28	11	28	62	28	53	28	58	28	64	29	66												
	29	01	30	44	30	48	29	58	30	66	29	80												
	29	11	31	37	32	50																		
	30	02	35	27	34	32	33	47																
7	02	01	29	14	27	20	28	30	27	40	27	50												
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	03	02	26	24	26	35	26	44	27	55	27	59												
	03	12	28	38	28	43	28	55	28	66	28	66												
	04	01	31	35	30	44	29	55	30	56	29	64												
	04	11	29	23	29	36	29	45	29	51	29	76												
	05	01	26	33	27	36	28	43	27	48	28	52												
	05	12	25	62	24	66	25	62	25	54	25	60												
	06	01	27	69	28	72	27	82	27	82	26	68												

Results of Upper Wind Observations,
WILKES 1959

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	07	01	30	56	30	73	30	70	29	71	29	90												
	07	11	27	43	27	67	28	76	28	66	28	81												
	08	01	29	58	29	61	29	66	29	69	29	76												
	08	11	31	53	31	66	29	59	30	75	29	71												
	09	02	29	58	31	39	29	49	28	52	28	55												
	09	11	29	35	28	44	28	52	28	60	28	64												
	10	01	28	54	28	52	29	48	29	55	30	73												
	10	11	29	60	30	57	30	54	29	64	29	67												
	11	01	32	42	32	39	31	42	30	53	30	49												
	11	11	34	24	32	30	30	35	30	45	29	53												
	13	04	09	32	35	09	30	20	30	33	30	50												
	13	11	06	12	29	11	29	27	29	45	29	58												
	14	01	23	30	25	17	28	28	29	42	30	40												
	14	11	22	17	24	23	27	22	29	31	29	36												
	15	01	25	16	26	20	26	22	27	25	28	31												
	15	11	26	17	24	20	25	20	26	34	26	38												
	16	01	26	26	26	28	26	36	26	48														
	16	11	27	32	27	39	27	45	27	50	27	60												
	17	02	29	32	29	38	29	43	28	55														
	17	11	29	30	28	32	29	42	29	56	28	73												
	18	01	29	30	29	39	29	53	28	61	29	66												
	18	11	31	20	30	37	30	51	29	60	29	72												
	19	01	31	29	30	22	30	33	30	47														
	19	12	28	11	28	21	28	27	28	28	28	37												
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	20	12	26	26	27	30	27	41	27	48	27	58												
	21	01	24	17	27	17	31	30	30	39	30	47												
	21	11	30	14	31	19	30	29	29	32	30	43												
	22	01	30	18	30	23	29	34	29	37	29	44												
	22	11	30	27	30	33	29	41	29	41	29	62												
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	23	12	31	26	32	37	31	48	31	49	31	65												
	24	01	34	29	33	34	31	37	31	47	31	53												
	24	12	32	30	31	31																		
	25	01	34	29	35	35	30	52	30	43	30	52												
	25	11	32	34	30	41	30	44	30	52	29	56												
	26	00	31	44	30	53	29	59	30	60	30	74												
	26	12	31	45	30	59	29	63	29	66	29	81												
	27	01	29	41	29	52	28	55	29	67	28	87												
	27	12	27	32	27	41	27	55	28	64	28	73												
	28	01	23	37	24	23	26	47	28	48	27	61												
	28	12	25	33	23	27	26	33	26	42														
	29	12	25	11	25	20	27	34	27	47	27	55												
	30	01	28	19	28	28	27	39	27	52	27	60												
	30	12	26	30	26	36	26	47	27	56	27	66												
	31	12	26	33	26	39	27	47	28	63	27	71												
8	01	01	25	28	27	33	28	41	27	57	28	57												
	01	11	25	26	27	30	28	41	27	54	27	62												
	02	00	27	16	28	29	28	36	28	43	29	55												
	02	12	30	14	29	26	30	34	30	45	30	53												
	03	01	32	21	32	26	32	35	31	39	31	50												
	03	11	34	21																				
	04	12	35	24	34	27	33	31	32	37	31	48												
	05	01	02	19																				
	05	11	34	23	32	28	32	35	31	43	30	55												
	06	01	29	35	31	24	31	45	30	44	30	51												
	06	11	28	21	30	28	29	25	30	39	30	53												
	07	01	21	41	22	24	28	25																
	07	12	19	37	20	36	29	10	31	24	30	22												
	08	02	20	11	22	05	24	10	30	15	29	25												
	08	11	14	06	22	13	27	11	25	15	26	29												
	09	00	26	06	26	14	25	22	25	29	26	37												
	09	12	34	09	28	14	27	32	27	40	27	53												
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	11	01	28	13	26	19	27	26	29	38	28	48												
	11	12	29	19	27	33	28	37	28	39	29	45												
	12	01	28	24	28	25	29	26	29	33	29	49												
	12	11	29	30	29	29	28	33	28	36	29	47												
	13	01	28	24	29	33	29	40	29	53	29	66												
	13	11	30	28	29	41	29	53	29	60	29	66												
	14	01	30	37	31	45	31	54	31	60	30	70												
	15	01	31	20	31	32	30	43	30	53	30	64												
	16	00	28	28	30	36	30	48	30	54	30	64												
	16	12	29	06																				
	17	01	26	31	26	43	26	46	26	53	27	81												
	17	12	22	47	23	35	24	41	25	56	25	50												
	18	00	26	55	26	61	26	59	27	70	27	90												
	18	12	30	41	29	51	28	64	28	73	28	82												
	19	11	28	12	30	22	29	32	28	48	29	53												

Results of Upper Wind Observations,
WILKES 1959

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	20	01	23	22	24	29	25	47	27	53	27	70												
	20	12	25	38	26	52	26	53	26	64	27	74												
	21	01	27	52	28	63	28	71	28	79	28	82												
	21	11	30	38	30	54	30	61	29	74	30	79												
	22	11	33	29	31	35	31	43	30	53														
	23	00	33	21	33	35	30	40	31	49	30	56												
	23	12	33	32	30	38	31	41	30	62	31	54												
	24	01	29	16	30	27	30	38	30	45	30	53												
	24	11	26	20	28	30	29	38	29	47	29	55												
	25	01	25	28	27	34	29	39	29	47	29	61												
	25	11	26	29	28	41	28	44	27	58	28	61												
	26	01	30	18	29	32	28	43	28	49	28	60												
	26	11	30	19	29	33	28	43	28	53	28	63												
	27	01	27	26	27	34	27	47	27	60	27	66												
	27	11	27	33	27	43	27	56	27	63	27	74												
	28	01	27	43	27	49	27	59	27	78	27	82												
	28	11	27	40	27	52	27	63	27	70	28	77												
	29	01	27	38	27	46	28	52	28	64	28	74												
	29	11	26	43	26	42	27	44	28	57	28	69												
	30	00	25	55																				
	30	11	26	56	26	53	27	60	27	62	27	67												
9	01	01	31	37	31	37	31	45	30	46	30	45												
	01	11	31	30	31	36	30	34	31	41	30	45												
	02	11	28	42	28	57	28	57	28	55	28	61												
	03	01	29	36	30	40	30	45	30	51	30	53												
	03	11	29	25	30	32	29	38	29	39														
	04	01	28	18	27	24	28	30	28	42	28	51												
	04	11	26	22	27	30	27	40	27	46	27	53												
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	05	11	25	37	26	45	26	53	26	58	26	67												
	06	00	26	59	26	57	26	61	27	68	26	72												
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	07	12	26	45	26	56	26	64	27	66	27	71												
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	12	01	27	72	27	84	26	96	26	107	25	122												
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	13	12	24	73	24	96	24	107	24	107	24	117												
	14	01	25	79	25	83	24	96																
	14	11	26	70	26	76	26	92	27	100	27	128												
	15	01	25	43	26	51	26	63	27	77	28	81												
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	16	01	22	75	23	77	23	82	24	79	25	73												
	17	12	26	89																				
	18	01	29	68	29	82	29	93	29	99	29	122												
	18	12	28	40	29	72	29	80	29	89	30	100												
	19	01	27	47	29	48	29	58	30	62	29	92												
	19	11	28	34	28	42	28	51	29	63	29	73												
	19	23	27	49	27	57	27	60	28	66	28	67												
	20	12	28	56	29	61	28	64	28	66	28	73												
	21	01	29	46	29	62	29	59	29	67	29	72												
	21	13	29	35	29	48	29	56	29	65	29	78												
	22	01	28	26	29	36	29	47	29	54	29	59												
	22	11	27	30	28	32	29	39	28	46	29	52												
	23	00	26	38	27	45	27	45	27	49	28	52												
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	25	01	24	11	25	17	27	23	27	33	27	30												
	25	12	23	16	25	18	25	25	25	36	25	37												
	26	01	23	15	25	22	24	31	24	35	25	38												
	26	11	20	22	22	30	23	35	23	40	23	43												
	27	00	19	38	20	46	21	49	22	57	22	65												
	27	12	21	70	22	68	22	64	22	73	22	66												
	28	00	22	85	22	63	22	82	23	74	23	55												
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	30	11	32	11	28	31	28	36	27	53	27	64												
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	02	01	28	33	28	40	28	44	28	49	28	46												
	02	12	28	47	28	46	28	44	28	52	28	57												
	03	01	31	36	30	44	29	53	29	60	29	63												
	04	02	30	39	30	48	29	58																
	04	12	27	50	28	70	28	75	28	89	28	97												
	05	01	28	67	29	77	29	95																
	05	11	29	66	29	76	29	88	29	91	30	103												
	06	00	29	57	29	60	30	63	29	74	29	87												

Results of Upper Wind Observations,
WILKES 1959

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
0	06	11	29	38	30	48	30	55	30	67	30	65												
	07	01	31	38	31	33	31	43																
	07	10	31	20	31	30	30	31	31	44	31	54												
	08	01	31	18	31	26	31	33	31	43	30	49												
	08	11	31	25	31	28	31	32	30	44	30	46												
	09	01	31	20	29	20	29	31	29	41	29	46												
	09	11	28	22	28	27	28	37	28	40	28	56												
	10	01	26	32	27	40	28	48	28	51	28	62												
	10	10	28	41	28	47	29	62	29	62	29	69												
	11	01	30	37	30	46	30	59	29	68	29	79												
	11	12	30	37	29	52	30	61	29	68	30	86												
	12	01	30	40	30	39	30	55	31	62	31	83												
	12	11	32	40	30	45	31	54	31	59	31	70												
	13	11	34	44	34	44	33	49	32	53	32	58												
	14	11	35	17	32	21	32	27	32	37	32	37												
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	15	11	31	18	31	18	30	26	30	31	29	35												
	16	00	31	22	31	21	28	29	30	32	29	45												
	16	11	26	26	27	30	27	40	28	34	29	44												
	17	01	25	50	26	45	26	40	27	43	28	46												
	17	23	28	55	27	39	26	30	26	47	27	40												
	18	15	31	48	30	39	29	37	29	44	28	46												
	19	01	33	24	31	26	29	33	29	39	29	48												
	19	12	28	21	29	28	28	39	28	38	28	48												
	20	01	25	43	25	53	26	56	27	58	27	60												
	20	12	31	49	30	52	29	66	29	68	28	75												
	21	11	29	33	28	43	29	46	28	59	29	64												
	23	03	23	14	24	26	25	30	25	39	25	40												
	24	11	23	34	24	37	24	35	24	37	24	42												
	24	23	25	42	25	40	25	37	25	41	25	40												
	25	12	25	25	26	40	25	45	25	49	25	45												
	26	01	27	34	27	39	27	44	27	46	27	48												
	26	12	30	20	29	29	29	40	28	44	28	48												
	27	00	32	21	31	27	30	32	30	39	29	48												
	27	12	34	21	32	25	31	28	30	38	30	38												
	28	01	32	19	32	23	30	26	30	32	31	31												
	28	11	29	18	29	22	29	33	29	28	29	40												
	29	01	29	26	29	33	29	39	29	39	29	46												
	29	12	29	31	29	40	28	40	29	47	29	50												
	30	01	28	28	29	38	29	43	29	44	30	47												
	30	13	28	37	29	41	29	41	28	51	30	44												
	31	00	29	38	29	39	28	44	28	44	28	52												
	31	11	31	34	29	40	28	45	28	52	28	51												
11	03	23	04	53	05	45	36	27	34	25	33	27												
	04	11	05	30	02	15	33	20	33	22	31	36												
	05	02	03	19	32	14	33	16	30	27	30	36												
	05	11	01	12	31	17	29	21	30	29	29	40												
	06	01	34	07	28	12	28	24	27	30	27	42												
	06	12	00	00	26	18	25	31																
	07	00	26	27	27	32	26	44	26	45	26	59												
	07	11	32	20	28	30	27	40	26	55	25	62												
	07	23	29	22	26	35	26	47	26	59	26	66												
	08	12	28	44	28	60	27	66	27	68	27	75												
	09	02	29	51	29	54	29	62	28	85	28	102												
	09	11	29	40	29	47	29	56	29	61	29	65												
	10	01	28	32	29	36	28	39	29	41	28	55												
	10	11	27	27	27	30	27	30	27	37	27	43												
	11	01	25	28	25	31	25	40	25	43	25	45												
	11	10	24	34	24	43	24	47	24	61	25	57												
	12	02	24	42	25	51	25	61	25	61	25	69												
	12	12	24	39	25	46	26	58	26	62	26	62												
	13	01	24	35	25	44	26	44	27	58	26	69												
	13	12	24	41	26	54	26	57																
	14	01	26	49	27	54	28	56	28	64	29	73												
	14	11	28	32	28	40	29	49	30	66	30	65												
	15	00	28	21	29	24	29	32	29	36	30	44												
	15	12	26	16	27	28	28	26	29	32	29	39												
	16	01	26	19	27	27	27	27	28	31	28	40												
	16	11	28	23	28	27	28	35	28	39	28	46												
	17	01	29	20	29	30	29	32	29	40	29	41												
	17	11	29	23	29	29	29	37	30	45	29	45												
	18	01	29	18	30	32	29	29	29	36	29	43												
	18	11	28	22	28	28	28	30	28	35	29	42												
	19	01	26	22	27	20	27	27	28	30	28	35												
	19	12	25	22	24	26	26	27	27	31	27	35												
	20	01	23	40	23	36	24	34	25	35	26	36												
	20	11	24	62	23	64	24	60	24	51	25	48												
	21	01	25	62	25	73	25	76	25	69	25	73												
	21	11	27	70	28	77	27	85	27	83	27	90												
	21	23	28	49																				
	22	12	26	47	27	55	27	54	27	72	28	75												

Results of Upper Wind Observations,
WILKES 1959

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	23	01	27	62	27	59	27	64	27	61	28	68												
	23	12	27	82	27	74	28	68	27	85														
	24	01	31	59	31	63	30	66	30	69	30	66												
	24	12	29	40	29	49	29	54	29	54	29	58												
	25	01	26	48	26	58	26	55	27	64	26	56												
	26	01	28	38	29	48	28	55	27	51	27	50												
	26	11	26	48	27	57	27	55	28	55	28	56												
	28	11	29	47	29	56	29	54	30	63	30	58												
	28	23	28	54	28	61	29	58	30	55	29	57												
	29	11	29	56	30	58	30	62	30	52	30	46												
	30	01	33	35	32	33	32	44	31	49	32	44												
	30	13	32	16	31	14	32	30	32	32	32	43												
	30	23	26	12	28	10	30	21	30	23	32	32												
12	01	11	25	20	26	22	28	21																
	01	23	25	30	26	26	27	29	27	25	28	25												
	02	12	24	36	24	42	24	36	25	30	25	29												
	03	01	24	49	24	34	24	59	23	39	24	39												
	03	11	24	61	24	55	24	56	24	55	22	49												
	04	01	24	57	25	54	25	56	25	47	25	40												
	04	12	25	53	25	50	26	46	26	48	26	37												
	05	01	26	46	26	51	26	40	26	41	26	38												
	05	11	25	62	26	47	27	43	26	38	27	35												
	05	23	29	35	29	33	28	30	28	24	29	20												
	06	12	35	49	35	29	30	20	28	17	30	14												
	07	01	36	28	34	11	34	13	34	12	28	14												
	07	12	01	21	23	19	30	09	31	08	30	07												
	08	01	32	11	32	13	32	11	31	11	28	06												
	08	12	30	17	30	17	27	13	26	11	28	07												
	09	01	29	18	28	20	29	18	28	13	29	10												
	09	11	28	23	29	19	29	17	28	14	30	12												
	10	00	30	29	31	27	31	20	31	12	31	12												
	10	12	32	26	31	28	32	17	32	15	31	10												
	11	01	34	16	34	18	33	11	32	10	32	07												
	11	12	32	08	29	10	32	07	29	09	28	06												
	12	01	24	11	24	09	24	10	25	07	24	06												
	12	12	22	16	23	14	23	11	25	12	27	03												
	12	23	21	13	20	09	24	07	27	05	27	05												
	13	12	24	10	21	08	25	04	30	04	28	05												
	14	01	29	06	30	06	33	05	33	06	33	07												
	14	14	03	08	36	10	25	08	35	09	34	07												
	15	01	05	09	04	10	01	09	02	07	01	06												
	15	11	09	05	06	04	36	03	31	04	29	05												
	16	01	31	12	31	11	31	11	31	08	31	09												
	16	11	30	20	28	18	30	14	30	13	29	09												
	17	01	29	16	30	14	30	21	30	17	30	09												
	17	11	29	28	29	26	30	19	29	23	29	15												
	18	01	31	27	31	27	31	24	31	25	31	16												
	18	11	32	27	31	27	31	26	30	22	30	18												
	19	01	30	32	31	39	31	35	30	22	31	20												
	20	01	31	25	30	24	30	18	31	18	32	14												
	20	12	30	11	29	19	28	13	31	14	32	12												
	21	01	19	02	30	17	28	11	30	09	33	10												
	21	11	12	05	32	06	30	06	27	08	31	08												
	22	01	12	05	00	00	29	02	31	02	32	02												
	22	11	16	05	00	00	32	05	26	09	34	03												
	23	01	19	03	31	04	29	03	31	05	31	06												
	23	11	02	07	36	06	32	10	34	08	35	06												
	24	01	05	10	04	10	01	09	01	09	36	10												
	24	11	05	13	04	14	03	10	01	10	36	11												
	25	00	7	14	06	14	04	12	03	12	03	08												
	25	11	07	11	04	10	04	10	03	09	03	09												
	26	00	08	13	07	12	05	09	05	09	04	15												
	26	11	07	13	06	13																		
	27	00	11	10	09	07	01	06	06	05	03	10												
	27	11	18	04	26	02	30	02	00	00	03	04												
	28	01	20	23	21	14	19	07	22	07	02	02												
	28	12	21	48	21	39	24	15	22	15	21	09												
	29	12	21	45	21	37	22	18	22	25	22	12												
	30	01	25	24	24	30	23	26	22	20	21	13												
	30	12	24	42	23	27	22	31	22	25	22	22												
	31	01	22	38	23	40	22	35																
	31	11	23	49	23	45	23	38	23	38	23	26												