

COMMONWEALTH OF AUSTRALIA
DEPARTMENT OF EXTERNAL AFFAIRS

AUSTRALIAN NATIONAL ANTARCTIC RESEARCH EXPEDITIONS



ANARE REPORTS

SERIES C

VOLUME II

COSMIC RAYS

Cosmic Ray Records, Mawson 1961

by

I. L. K. McNAUGHTON

and

J. E. HUMBLE

(65)

ISSUED BY THE ANTARCTIC DIVISION,
DEPARTMENT OF EXTERNAL AFFAIRS, MELBOURNE,
JANUARY 1963

70959 E39

Sheet 1

COSMIC RAY RECORDS, MAWSON, 1961

by

I. L. K. McNAUGHTON*

and

J. E. HUMBLE*

[Manuscript received July 9, 1962]

INTRODUCTION

This publication is the seventh of a series presenting detailed results obtained with continuously recording cosmic ray equipment at the ANARE Station, Mawson, Antarctica (geographic co-ordinates 67°36'S, 62°53'E; geomagnetic co-ordinates 73.3°S, 104.5°E). The first six publications of the series contained records for the years 1955 to 1960 inclusive. The records presented here cover the calendar year January to December, 1961. The work is a joint project of the Antarctic Division of the Department of External Affairs and the Physics Department of the University of Tasmania and is carried out under the guidance of Dr. A. G. Fenton of that University.

Three Geiger counter telescopes and a 12-counter neutron monitor have been used, continuing the observations of previous years. Brief details of the equipment are as follows. (A detailed description of Telescopes No. 1 and No. 2 has been published (Parsons, 1957⁽¹⁾.)

Telescope No. 1—Axis vertical; consists of three equally spaced counter trays of sensitive area 1 metre², the separation of the upper and lower trays being 1.0 metre. A 10cm. thickness of lead absorber is included between the middle and lower trays.

Telescope No. 2—Inclined with its axis at 45° to the vertical, and mounted on a turntable to allow automatic change of azimuth through any desired sequence for successive hourly recording periods. The geometry is (1 × 1) × 1.5 metre, with 10 cm. of lead absorber between the lower two trays. This telescope is referred to as the wide angle inclined telescope.

Telescope No. 3—Additional counter trays mounted on Telescope No. 2 and connected to anti-coincidence circuits allow separate registration of that part of the counting rate of Telescope No. 2 which is due to particles incident within a smaller solid angle. The counting rate obtained is effectively the sum for four telescopes each of dimensions (0.4 × 0.4) × 1.5 metre, with axes parallel and inclined at 45° to the vertical. Telescope No. 3 follows the same azimuth sequence as Telescope No. 2 and is referred to as the narrow angle inclined telescope.

Neutron Monitor—This instrument follows closely the standard design recommended for observations during the I.G.Y.⁽²⁾ It now comprises three identical sections, each containing four counters, the power supplies and electronic recording circuits for each section being completely independent.

* Antarctic Division, Department of External Affairs, Melbourne.

⁽¹⁾ Parsons, N.R. (1957), ANARE Interim Report No. 17.

⁽²⁾ Simpson, J.A. (1956), *Annals of the I.G.Y.*, Vol. IV, p. 349.

Hourly scaled count totals are read manually from banks of electro-mechanical registers connected so that counting takes place on a different register during each hour of a two-day period. Daily check totals are available from separate registers. Short term records are available from multipen event recorder charts. In the case of the neutron monitor, the intensity figures tabulated are the sums of count totals from all sections, unless, where indicated, the figure is estimated from the total for one or two sections only. The reliability of the two sections is checked by examining the ratios of their separate hourly count totals. "Hourly" recording periods for telescopes 2 and 3 are in fact of only 59 minutes duration. During the final minute of each hour, pulse lines are disconnected from the registers while rotation of the telescopes to the new azimuth setting takes place. All automatic operations are controlled by electrical contacts on a survey-type chronometer. To allow accurate determination of directional intensity asymmetries, the axis of rotation of the inclined telescope is maintained vertical to an accuracy of better than 20 seconds of arc.

The equipment is housed in a flat-roofed laboratory 36 ft. × 15 ft. specially designed so that absorbing material of an average density of 3.5 gram cm² is distributed approximately uniformly throughout the roof and walls. All recorders are located 15 metres above mean sea level.

All tabulated telescope data are uncorrected. Neutron monitor data have been corrected to a standard barometric pressure.

The tables are arranged as follows—

| | |
|---------------|---|
| Tables 1- 12 | Data from the vertical telescope (No. 1). |
| Tables 13- 36 | Data from the inclined wide angle telescope (No. 2) for azimuth headings of geomagnetic east and west. |
| Tables 37- 60 | Data from the inclined narrow angle telescope (No. 3) for azimuth headings of geomagnetic east and west. |
| Tables 61- 72 | Data from neutron monitor, corrected to a standard pressure of 990 millibar, using a barometer coefficient of -9.44 per cent per cm Hg. |
| Tables 73- 84 | Hourly mean station level barometric pressure in units of 0.1 millibar measured from a zero level of 940 millibar. |
| Tables 85- 96 | Upper air data from all radiosonde flights conducted from the station. |

Daily sums and means are given with the cosmic ray and pressure data. These are given only if figures are available for all hours of the day.

Attention is drawn to changes in the telescope counting rate levels.

A complete rejuvenation of Geiger counters in telescopes 2 and 3 was undertaken on February 22nd/23rd.

Telescopes 2 and 3 have been corrected for a linear count rate drift during period 1st May to 14th August.

To reduce to the standard level for 1959, multiply the recorded data by the appropriate factor.

| | |
|---------------------|---|
| Telescope No. 1—H01 | 1st January to H24 31st December incl. .9326 |
| Telescope No. 2—H01 | 1st January to H24 22nd February incl. 1.0068 |
| | H01 23rd February to H24 31st December incl. 1.0103 |
| Telescope No. 3—H01 | 1st January to H24 22nd February incl. 1.0196 |
| | H01 23rd February to H24 31st December incl. 1.0235 |

Attention is also drawn to the neutron monitor. To reduce to the standard level of 1960, multiply the recorded data by the appropriate factor.

| | |
|---------------------|--|
| Neutron Monitor—H01 | 1st January to H24 31st January incl. 1.0024 |
| | H01 1st February to H24 31st December incl. 1.0013 |

COSMIC RAY RECORDS

Station *Mawson*
 Year *1961*
 Month *January*

Telescope No. *1*
 Zenith Angle θ°
 Absorber *10 cm Pb*

Geometry $(l \times l) \times l$ m
 Scale Factor *256*

TABULATED Hourly Count Totals

TABLE I

| Date Hour GMT | 01 | 02 | 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 |
|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 01 | 591 | 595 | 586 | 584 | 588 | 586 | 578 | 584 | 585 | 584 | 593 | 593 | 592 | 592 | 595 | 594 | 587 | 586 | 588 | 585 | 586 | 587 | 587 | 587 | 594 | 599 | 600 | 604 | 598 | 581 | 593 |
| 02 | 590 | 592 | 591 | 583 | 587 | 586 | 579 | 588 | 588 | 583 | 593 | 592 | 591 | 593 | 590 | 594 | 593 | 586 | 587 | 581 | 585 | 585 | 585 | 585 | 593 | 599 | 596 | 608 | 597 | 578 | 594 |
| 03 | 591 | 593 | 587 | 585 | 588 | 586 | 578 | 588 | 584 | 583 | 593 | 595 | 592 | 594 | 597 | 597 | 593 | 587 | 589 | 589 | 581 | 585 | 586 | 586 | 596 | 600 | 596 | 603 | 598 | 579 | 595 |
| 04 | 593 | 590 | 586 | 583 | 587 | 582 | 580 | 589 | 583 | 581 | 593 | 591 | 594 | 596 | 592 | 598 | 593 | 586 | 582 | 591 | 581 | 585 | 587 | 596 | 599 | 595 | 601 | 605 | 594 | 575 | 595 |
| 05 | 589 | 589 | 586 | 584 | 588 | 583 | 579 | 589 | 587 | 586 | 594 | 592 | 593 | 593 | 596 | 597 | 594 | 587 | 591 | 581 | 586 | 587 | 597 | 600 | 599 | 598 | 604 | 594 | 577 | 597 | |
| 06 | 592 | 592 | 586 | 583 | 586 | 582 | 580 | 589 | 585 | 586 | 595 | 594 | 594 | 594 | 593 | 597 | 591 | 587 | 586 | 587 | 581 | 584 | 588 | 595 | 598 | 599 | 596 | 606 | 594 | 578 | 594 |
| 07 | 590 | 591 | 585 | 584 | 588 | 582 | 580 | 593 | 585 | 586 | 594 | 594 | 592 | 596 | 594 | 596 | 586 | 585 | 585 | 583 | 586 | 590 | 596 | 597 | 598 | 595 | 607 | 595 | 578 | 598 | |
| 08 | 590 | 589 | 587 | 582 | 587 | 583 | 581 | 591 | 581 | 586 | 595 | 595 | 592 | 593 | 596 | 602 | 593 | 588 | 588 | 584 | 586 | 591 | 595 | 599 | 597 | 598 | 603 | 595 | 577 | 600 | |
| 09 | 590 | 589 | 584 | 582 | 586 | 582 | 583 | 586 | 579 | 589 | 598 | 596 | 597 | 594 | 594 | 597 | 594 | 585 | 587 | 588 | 585 | 588 | 590 | 598 | 598 | 597 | 596 | 603 | 589 | 578 | 598 |
| 10 | 587 | 590 | 585 | 581 | 586 | 582 | 581 | 588 | 583 | 589 | 595 | 601 | 594 | 596 | 595 | 597 | 596 | 587 | 592 | 588 | 588 | 588 | 589 | 595 | 601 | 600 | 601 | 605 | 590 | 578 | 598 |
| 11 | 589 | 593 | 585 | 582 | 584 | 577 | 583 | 589 | 583 | 592 | 596 | 598 | 597 | 595 | 597 | 597 | 592 | 589 | 588 | 588 | 586 | 590 | 592 | 594 | 601 | 596 | 602 | 605 | 589 | 580 | 597 |
| 12 | 591 | 589 | 582 | 586 | 586 | 580 | 585 | 587 | 580 | 591 | 595 | 600 | 597 | 596 | 597 | 596 | 593 | 585 | 588 | 589 | 590 | 589 | 587 | 600 | 601 | 599 | 601 | 606 | 588 | 577 | 600 |
| 13 | 588 | 589 | 581 | 581 | 586 | 581 | 584 | 588 | 581 | 595 | 597 | 601 | 598 | 596 | 598 | 597 | 595 | 589 | 587 | 585 | 588 | 589 | 591 | 601 | 600 | 598 | 600 | 604 | 588 | 578 | 600 |
| 14 | 591 | 588 | 587 | 582 | 585 | 580 | 583 | 588 | 584 | 598 | 598 | 599 | 596 | 595 | 595 | 599 | 593 | 593 | 585 | 586 | 586 | 588 | 595 | 600 | 600 | 599 | 601 | 607 | 589 | 585 | 602 |
| 15 | 589 | 592 | 586 | 581 | 585 | 580 | 585 | 589 | 583 | 595 | 595 | 597 | 594 | 599 | 602 | 597 | 592 | 588 | 587 | 586 | 587 | 586 | 592 | 593 | 598 | 597 | 598 | 601 | 608 | 586 | 597 |
| 16 | 590 | 590 | 584 | 584 | 583 | 581 | 584 | 591 | 581 | 597 | 594 | 594 | 597 | 598 | 599 | 597 | 591 | 589 | 584 | 585 | 587 | 587 | 592 | 598 | 601 | 600 | 601 | 604 | 586 | 583 | 601 |
| 17 | 592 | 590 | 586 | 581 | 583 | 579 | 585 | 588 | 584 | 596 | 595 | 600 | 599 | 597 | 594 | 596 | 594 | 587 | 585 | 589 | 586 | 590 | 593 | 599 | 599 | 597 | 605 | 605 | 585 | 582 | 601 |
| 18 | 590 | 590 | 583 | 583 | 587 | 581 | 584 | 591 | 583 | 599 | 593 | 600 | 594 | 597 | 598 | 598 | 594 | 587 | 588 | 587 | 589 | 588 | 593 | 600 | 596 | 597 | 604 | 603 | 585 | 585 | 596 |
| 19 | 590 | 590 | 587 | 584 | 586 | 581 | 587 | 586 | 584 | 594 | 592 | 594 | 595 | 597 | 598 | 597 | 592 | 588 | 588 | 586 | 587 | 591 | 594 | 599 | 597 | 595 | 600 | 602 | 584 | 584 | 599 |
| 20 | 592 | 592 | 588 | 584 | 585 | 578 | 586 | 586 | 584 | 596 | 595 | 596 | 596 | 596 | 597 | 598 | 596 | 589 | 586 | 591 | 587 | 588 | 594 | 601 | 597 | 597 | 602 | 605 | 582 | 586 | 598 |
| 21 | 593 | 590 | 587 | 583 | 587 | 581 | 582 | 587 | 585 | 594 | 596 | 597 | 596 | 595 | 595 | 597 | 597 | 586 | 591 | 590 | 584 | 586 | 593 | 599 | 602 | 593 | 599 | 604 | 581 | 587 | 596 |
| 22 | 592 | 589 | 585 | 586 | 585 | 579 | 584 | 590 | 583 | 592 | 593 | 595 | 594 | 595 | 596 | 593 | 588 | 589 | 587 | 585 | 588 | 590 | 590 | 600 | 599 | 597 | 602 | 601 | 581 | 589 | 597 |
| 23 | 593 | 589 | 586 | 588 | 586 | 579 | 583 | 587 | 583 | 593 | 593 | 595 | 593 | 595 | 595 | 591 | 586 | 588 | 587 | 588 | 588 | 589 | 592 | 597 | 602 | 596 | 601 | 602 | 581 | 593 | 596 |
| 24 | 591 | 587 | 584 | 588 | 585 | 577 | 583 | 587 | 583 | 593 | 594 | 591 | 592 | 595 | 595 | 594 | 588 | 589 | 591 | 586 | 585 | 590 | 594 | 600 | 599 | 596 | 601 | 598 | 581 | 591 | 595 |
| Total | 14174 | 14169 | 14054 | 14004 | 14064 | 13948 | 13977 | 14119 | 14001 | 14178 | 14269 | 14300 | 14269 | 14289 | 14299 | 14314 | 14211 | 14104 | 14095 | 14093 | 14050 | 14110 | 14173 | 14341 | 14383 | 14332 | 14400 | 14502 | 14130 | 14336 | 14337 |
| Daily Mean | 590.6 | 590.4 | 585.6 | 583.5 | 586.0 | 581.2 | 582.4 | 588.3 | 583.4 | 590.7 | 594.5 | 595.8 | 594.5 | 595.4 | 595.8 | 596.4 | 592.1 | 587.7 | 587.3 | 587.2 | 585.4 | 587.9 | 590.5 | 597.5 | 599.3 | 597.2 | 600.0 | 604.3 | 588.7 | 581.7 | 597.4 |

COSMIC RAY RECORDS

Station *Mawson*
Year *1961*
Month *February*

Telescope No. *1*
Zenith Angle 0°
Absorber *10 cm Pb*

TABLE 2
TABULATED Hourly Count Totals

Geometry $(I \times I) \times I$ m
Scale Factor *256*

| Date | 01 | 02 | 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 |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-----|-----|
| Hour | 595 | 591 | 587 | 573 | 584 | 584 | 587 | 583 | 583 | 581 | 586 | 586 | 584 | 588 | 587 | 587 | 582 | 593 | 597 | 596 | 595 | 594 | 579 | 585 | 581 | 531 | 602 | RF |
| GMT | 595 | 592 | 586 | 577 | 585 | 582 | 585 | 582 | 582 | 583 | 585 | 582 | 589 | 589 | 589 | 591 | 590 | 579 | 595 | 596 | 603 | 593 | 577 | 584 | 580 | 589 | 607 | |
| | 594 | 588 | 584 | 578 | 583 | 584 | 587 | 581 | 579 | 584 | 583 | 587 | 589 | 587 | 589 | 587 | 593 | 581 | 596 | 593 | 599 | 596 | 592 | 575 | 584 | 582 | 592 | RF |
| | 590 | 589 | 586 | 577 | 583 | 585 | 587 | 582 | 580 | 583 | 584 | 587 | 586 | 590 | 589 | 592 | 583 | 596 | 597 | 600 | 593 | 590 | 577 | 585 | 580 | 593 | 603 | |
| | 592 | 590 | 585 | 578 | 583 | 586 | 585 | 585 | 582 | 581 | 583 | 585 | 585 | 589 | 584 | 593 | 583 | 621 | 600 | 600 | 594 | 587 | 575 | 584 | 582 | 592 | 603 | |
| | 591 | 592 | 582 | 579 | 584 | 585 | 586 | 581 | 580 | 582 | 586 | 586 | 585 | 589 | 584 | 593 | 593 | 598 | 598 | 597 | 593 | 590 | 575 | 586 | 581 | 594 | RF | |
| | 592 | 592 | 586 | 581 | 583 | 586 | 585 | 585 | 581 | 580 | 587 | 586 | 586 | 587 | 585 | 591 | 587 | 599 | 599 | 600 | 590 | 587 | 576 | 585 | 578 | 592 | 592 | 592 |
| | 589 | 589 | 583 | 584 | 584 | 587 | 588 | 588 | 582 | 582 | 586 | 585 | 587 | 591 | 591 | 591 | 586 | 601 | 599 | 601 | 594 | 584 | 573 | 585 | 578 | 593 | 603 | 599 |
| | 591 | 589 | 583 | 580 | 582 | 587 | 583 | 585 | 585 | 585 | 586 | 587 | 585 | 590 | 590 | 595 | 583 | 600 | 601 | 603 | 595 | 587 | 576 | 582 | 581 | 594 | 606 | 595 |
| | 591 | 592 | 584 | 581 | 583 | 587 | 586 | 586 | 580 | 585 | 587 | 588 | 589 | 593 | 596 | 593 | 586 | 603 | 600 | 599 | 595 | 584 | 572 | 586 | 579 | 597 | 603 | 596 |
| | 588 | 590 | 582 | 583 | 583 | 586 | 587 | 589 | 586 | 585 | 589 | 589 | 592 | 591 | 594 | 594 | 585 | 603 | 603 | 601 | 594 | 587 | 577 | 584 | 580 | 596 | 603 | 596 |
| | 595 | 592 | 583 | 578 | 583 | 587 | 588 | 588 | 581 | 585 | 590 | 590 | 590 | 590 | 595 | 596 | 584 | 601 | 599 | 599 | 594 | 585 | 576 | 587 | 581 | 600 | 601 | 596 |
| | 589 | 589 | 580 | 579 | 586 | 587 | 587 | 585 | 584 | 587 | 588 | 587 | 592 | 592 | 596 | 598 | 587 | 601 | 603 | 601 | 596 | 581 | 576 | 587 | 582 | 597 | 600 | 600 |
| | 593 | 591 | 582 | 581 | 584 | 585 | 586 | 587 | 582 | 585 | 588 | 591 | 594 | 591 | 594 | 597 | 586 | 602 | 601 | 602 | 598 | 584 | 576 | 589 | 581 | 597 | 600 | 598 |
| | 591 | 590 | 581 | 578 | 584 | 583 | 587 | 586 | 586 | 586 | 589 | 590 | 591 | 589 | 596 | 596 | 585 | 602 | 601 | 601 | 597 | 580 | 577 | 585 | 581 | 597 | 599 | 597 |
| | 590 | 589 | 579 | 583 | 580 | 586 | 588 | 588 | 586 | 586 | 588 | 591 | 592 | 591 | 595 | 594 | 585 | 603 | 601 | 606 | 595 | 580 | 578 | 582 | 599 | 598 | 595 | 595 |
| | 588 | 589 | 577 | 581 | 584 | 584 | 585 | 584 | 585 | 588 | 591 | 592 | 591 | 593 | 591 | 595 | 594 | 598 | 603 | 604 | 595 | 581 | 577 | 586 | 583 | 598 | 601 | 594 |
| | 589 | 587 | 577 | 581 | 585 | 585 | 586 | 588 | 586 | 589 | 588 | 593 | 589 | 595 | 594 | 594 | 584 | 602 | 601 | 603 | 600 | 576 | 581 | 585 | 582 | 599 | 592 | 594 |
| | 590 | 587 | 576 | 583 | 584 | 583 | 586 | 584 | 581 | 582 | 585 | 587 | 592 | 593 | 594 | 592 | 583 | 599 | 602 | 605 | 596 | 576 | 579 | 585 | 585 | 597 | RF | 593 |
| | 591 | 588 | 573 | 583 | 582 | 583 | 584 | 584 | 586 | 585 | 589 | 590 | 590 | 589 | 597 | 591 | 584 | 598 | 603 | 602 | 599 | 574 | 582 | 584 | 586 | RF | 591 | |
| | 591 | 588 | 571 | 582 | 582 | 584 | 580 | 583 | 581 | 587 | 586 | 590 | 592 | 586 | 593 | 586 | 598 | 588 | 601 | 603 | 599 | 576 | 581 | 583 | 585 | 594 | 594 | |
| | 589 | 584 | 574 | 584 | 582 | 585 | 584 | 584 | 581 | 588 | 589 | 590 | 590 | 589 | 593 | 581 | 585 | 597 | 602 | 603 | 596 | 576 | 583 | 581 | 585 | 585 | 594 | |
| | 592 | 586 | 574 | 582 | 583 | 585 | 584 | 583 | 582 | 583 | 586 | 587 | 590 | 587 | 591 | 583 | 589 | 598 | 598 | 600 | 596 | 577 | 584 | 580 | 591 | 600 | 592 | |
| | 593 | 582 | 575 | 583 | 585 | 584 | 584 | 584 | 579 | 587 | 585 | 587 | 586 | 586 | 591 | 586 | 592 | 596 | 598 | 596 | 594 | 575 | 585 | 586 | 587 | 603 | 591 | |
| Total | 14186 | 14136 | 13930 | 13929 | 14001 | 14040 | 14054 | 14035 | 13980 | 14021 | 14087 | 14101 | 14145 | 14149 | 14201 | 14198 | 14035 | 14380 | 14401 | 14472 | 14287 | 13996 | 13867 | 14030 | 13973 | | | |
| Daily | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mean | 591.1 | 589.0 | 580.4 | 580.4 | 583.4 | 585.0 | 585.6 | 584.8 | 582.5 | 584.2 | 587.0 | 587.5 | 589.4 | 589.5 | 591.7 | 591.6 | 584.8 | 599.2 | 600.0 | 600.9 | 595.3 | 583.2 | 577.8 | 584.6 | 582.2 | | | |

RF Recording failure.

TABLE 3

TABULATED Hourly Count Totals

COSMIC RAY RECORDS

Station *Mawson*
Year *1961*
Month *March*

Telescope No. *1*
Zenith Angle θ°
Absorber *10 cm Pb*

Geometry $(l \times l) \times l$ m
Scale Factor *256*

| Date | 01 | 02 | 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 |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Hour GMT | 01 | 02 | 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 |
| 584 | 598 | 599 | 592 | 590 | 592 | 590 | 605 | 601 | 604 | 602 | 610 | 606 | 595 | 596 | 591 | 583 | 595 | 606 | 599 | 602 | 610 | 607 | 609 | 603 | 595 | 599 | 602 | 602 | 613 | 613 | 603 |
| 582 | 593 | 602 | 592 | 590 | 592 | 590 | 605 | 603 | 602 | 606 | 613 | 605 | 597 | 598 | 591 | 580 | 596 | 609 | 593 | 601 | 607 | 609 | 608 | 601 | 595 | 599 | 601 | 603 | 613 | 613 | 602 |
| 584 | 596 | 597 | 596 | 593 | 602 | 603 | 602 | 603 | 605 | 606 | 612 | 604 | 596 | 595 | 594 | 580 | 597 | 606 | 592 | 602 | 607 | 611 | 610 | 602 | 594 | 596 | 600 | 601 | 615 | 608 | 597 |
| 588 | 596 | 600 | 590 | 591 | 602 | 604 | 604 | 604 | 604 | 605 | 612 | 603 | 596 | 596 | 590 | 584 | 597 | 607 | 592 | 602 | 609 | 608 | 606 | 603 | 596 | 596 | 600 | 603 | 613 | 608 | 599 |
| 586 | 595 | 600 | 590 | 592 | 600 | 607 | 600 | 607 | 604 | 607 | 613 | 602 | 594 | 599 | 591 | 583 | 596 | 609 | 595 | 600 | 604 | 607 | 605 | 601 | 595 | 599 | 603 | 601 | 612 | 605 | 600 |
| 586 | 596 | 598 | 587 | 593 | 604 | 605 | 604 | 605 | 606 | 609 | 610 | 602 | 593 | 598 | 591 | 583 | 601 | 604 | 593 | 604 | 610 | 609 | 606 | 598 | 597 | 603 | 603 | 608 | 612 | 605 | 602 |
| 588 | 597 | 600 | 585 | 595 | 601 | 605 | 607 | 609 | 611 | 599 | 595 | 595 | 596 | 596 | 591 | 584 | 603 | 604 | 598 | 603 | 610 | 608 | 607 | 598 | 597 | 602 | 603 | 605 | 614 | 602 | 598 |
| 586 | 598 | 595 | 591 | 590 | 604 | 607 | 607 | 610 | 610 | 601 | 601 | 604 | 601 | 598 | 590 | 586 | 600 | 604 | 596 | 602 | 608 | 609 | 606 | 597 | 596 | 597 | 600 | 608 | 613 | 604 | 598 |
| 589 | 599 | 598 | 598 | 588 | 595 | 602 | 606 | 608 | 615 | 611 | 602 | 602 | 602 | 595 | 589 | 584 | 603 | 603 | 599 | 605 | 609 | 607 | 605 | 599 | 595 | 601 | 603 | 605 | 616 | 602 | 601 |
| 589 | 597 | 595 | 588 | 594 | 604 | 605 | 607 | 613 | 614 | 604 | 604 | 604 | 602 | 596 | 589 | 585 | 601 | 603 | 600 | 605 | 609 | 606 | 607 | 596 | 593 | 600 | 602 | 606 | 619 | 601 | 601 |
| 589 | 601 | 594 | 588 | 596 | 605 | 605 | 607 | 615 | 612 | 603 | 605 | 602 | 603 | 597 | 589 | 588 | 603 | 607 | 599 | 603 | 609 | 607 | 607 | 596 | 595 | 603 | 606 | 605 | 616 | 603 | 602 |
| 592 | 601 | 593 | 584 | 594 | 608 | 606 | 607 | 615 | 612 | 600 | 602 | 600 | 602 | 599 | 589 | 590 | 604 | 603 | 607 | 610 | 607 | 606 | 606 | 597 | 593 | 601 | 600 | 608 | 621 | 603 | 605 |
| 588 | 591 | 599 | 594 | 586 | 597 | 603 | 606 | 607 | 613 | 612 | 603 | 601 | 601 | 597 | 589 | 587 | 601 | 602 | 601 | 604 | 609 | 607 | 606 | 597 | 596 | 602 | 603 | 607 | 619 | 601 | 604 |
| 588 | 594 | 599 | 595 | 583 | 598 | 607 | 607 | 606 | 614 | 611 | 598 | 600 | 600 | 584 | 587 | 605 | 600 | 602 | 601 | 602 | 610 | 611 | 604 | 595 | 595 | 602 | 601 | 611 | 625 | 602 | 604 |
| 588 | 592 | 598 | 591 | 587 | 597 | 605 | 604 | 607 | 617 | 609 | 600 | 601 | 601 | 598 | 586 | 590 | 602 | 602 | 603 | 607 | 612 | 609 | 605 | 596 | 601 | 601 | 602 | 607 | 621 | 603 | 600 |
| 589 | 591 | 596 | 592 | 586 | 599 | 606 | 604 | 605 | 615 | 608 | 598 | 598 | 598 | 596 | 585 | 591 | 605 | 599 | 600 | 607 | 611 | 608 | 605 | 598 | 595 | 601 | 602 | 606 | 619 | 605 | 603 |
| 586 | 593 | 599 | 591 | 585 | 597 | 606 | 603 | 606 | 613 | 606 | 600 | 600 | 600 | 594 | 586 | 592 | 602 | 600 | 600 | 609 | 611 | 608 | 603 | 595 | 597 | 601 | 601 | 607 | 620 | 603 | 600 |
| 586 | 592 | 598 | 590 | 586 | 601 | 606 | 603 | 605 | 611 | 609 | 595 | 601 | 609 | 595 | 585 | 589 | 603 | 594 | 600 | 603 | 610 | 612 | 602 | 596 | 599 | 599 | 598 | 610 | 619 | 602 | 600 |
| 585 | 591 | 600 | 590 | 583 | 604 | 604 | 606 | 606 | 612 | 607 | 597 | 598 | 593 | 593 | 581 | 592 | 603 | 598 | 601 | 606 | 608 | 608 | 605 | 597 | 598 | 603 | 597 | 609 | 621 | 602 | 598 |
| 585 | 593 | 596 | 590 | 588 | 603 | 604 | 606 | 606 | 614 | 609 | 597 | 598 | 591 | 584 | 593 | 604 | 596 | 603 | 603 | 603 | 608 | 612 | 603 | 597 | 599 | 602 | 603 | 611 | 617 | 600 | 599 |
| 582 | 592 | 598 | 589 | 586 | 600 | 602 | 604 | 608 | 609 | 609 | 599 | 600 | 600 | 590 | 583 | 590 | 602 | 593 | 605 | 607 | 607 | 610 | 602 | 593 | 600 | 603 | 601 | 612 | 617 | 601 | 601 |
| 585 | 591 | 596 | 592 | 586 | 601 | 604 | 605 | 604 | 610 | 607 | 596 | 601 | 594 | 586 | 596 | 609 | 593 | 602 | 606 | 605 | 610 | 602 | 596 | 601 | 602 | 604 | 611 | 616 | 599 | 600 | 600 |
| 582 | 592 | 599 | 592 | 587 | 602 | 603 | 602 | 603 | 610 | 604 | 594 | 597 | 594 | 585 | 595 | 606 | 606 | 611 | 601 | 606 | 606 | 611 | 601 | 596 | 597 | 602 | 600 | 613 | 612 | 596 | 601 |
| 14118 | 14142 | 14343 | 14275 | 14100 | 14310 | 14497 | 14513 | 14540 | 14665 | 14644 | 14412 | 14372 | 14304 | 14111 | 14097 | 14440 | 14444 | 14371 | 14498 | 14609 | 14610 | 14527 | 14346 | 14314 | 14417 | 14438 | 14558 | 14793 | 14483 | 14420 | |
| Daily Mean | 588.3 | 589.3 | 597.6 | 594.8 | 587.5 | 596.3 | 604.0 | 604.7 | 605.8 | 611.0 | 610.2 | 600.5 | 598.8 | 596.0 | 587.9 | 587.4 | 601.7 | 601.8 | 598.8 | 604.1 | 608.7 | 608.7 | 605.3 | 597.7 | 596.4 | 600.7 | 601.6 | 606.6 | 616.4 | 603.5 | 600.8 |

COSMIC RAY RECORDS Station *Mawson* Telescope No. *1* Geometry $(I \times I) \times I \times I \times m$ **TABLE 4**
 Year *1961* Zenith Angle 0° Scale Factor *256*
 Month *April* Absorber *10 cm Pb*

| Date Hour GMT | Date | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 01 | 02 | 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 |
| 01 | 601 | 605 | 596 | 596 | 601 | 609 | 606 | 604 | 599 | 596 | 589 | 593 | 600 | 600 | 596 | 590 | 582 | 582 | 591 | 600 | 607 | 599 | 598 | 603 | 615 | 615 | 609 | 618 | 616 | 610 |
| 02 | 602 | 608 | 592 | 593 | 602 | 608 | 607 | 602 | 599 | 592 | 587 | 592 | 601 | 599 | 593 | 582 | 585 | 597 | 602 | 609 | 597 | 599 | 606 | 619 | 618 | 611 | 615 | 615 | 612 | |
| 03 | 602 | 605 | 591 | 595 | 602 | 610 | 605 | 602 | 596 | 590 | 586 | 593 | 601 | 598 | 596 | 592 | 586 | 585 | 596 | 603 | 611 | 596 | 594 | 607 | 623 | 617 | 614 | 616 | 616 | 611 |
| 04 | 603 | 606 | 592 | 595 | 604 | 610 | 605 | 600 | 597 | 587 | 588 | 594 | 601 | 595 | 598 | 591 | 583 | 585 | 597 | 603 | 612 | 597 | 597 | 604 | 618 | 616 | 612 | 612 | 619 | 611 |
| 05 | 606 | 601 | 592 | 597 | 604 | 605 | 605 | 601 | 593 | 589 | 586 | 596 | 601 | 595 | 599 | 593 | 580 | 583 | 596 | 598 | 613 | 597 | 596 | 608 | 622 | 614 | 611 | 613 | 616 | 611 |
| 06 | 601 | 597 | 590 | 597 | 604 | 609 | 605 | 604 | 597 | 591 | 589 | 597 | 601 | 596 | 597 | 593 | 578 | 585 | 596 | 601 | 611 | 597 | 596 | 608 | 619 | 615 | 613 | 613 | 614 | 609 |
| 07 | 602 | 603 | 591 | 597 | 603 | 610 | 606 | 601 | 595 | 588 | 589 | 596 | 602 | 592 | 597 | 592 | 579 | 583 | 600 | 604 | 613 | 597 | 595 | 606 | 619 | 615 | 608 | 615 | 614 | 609 |
| 08 | 600 | 601 | 591 | 597 | 606 | 606 | 606 | 602 | 597 | 585 | 590 | 597 | 604 | 592 | 597 | 591 | 582 | 588 | 597 | 605 | 609 | 593 | 598 | 609 | 622 | 614 | 612 | 615 | 614 | 612 |
| 09 | 599 | 603 | 590 | 600 | 603 | 613 | 606 | 603 | 598 | 591 | 593 | 597 | 604 | 591 | 599 | 592 | 579 | 585 | 602 | 606 | 612 | 594 | 599 | 611 | 618 | 613 | 612 | 614 | 614 | 610 |
| 10 | 601 | 599 | 590 | 599 | 606 | 612 | 608 | 604 | 597 | 589 | 591 | 596 | 603 | 591 | 597 | 595 | 583 | 588 | 597 | 605 | 611 | 596 | 599 | 610 | 619 | 618 | 612 | 615 | 616 | 611 |
| 11 | 598 | 600 | 593 | 604 | 606 | 611 | 608 | 606 | 596 | 590 | 592 | 597 | 605 | 594 | 596 | 596 | 584 | 590 | 600 | 609 | 611 | 595 | 601 | 613 | 621 | 616 | 610 | 616 | 618 | 615 |
| 12 | 604 | 599 | 588 | 604 | 608 | 609 | 608 | 603 | 596 | 588 | 594 | 600 | 601 | 594 | 596 | 593 | 580 | 589 | 597 | 605 | 611 | 593 | 601 | 613 | 624 | 617 | 612 | 618 | 617 | 613 |
| 13 | 603 | 601 | 590 | 601 | 606 | 610 | 607 | 604 | 597 | 585 | 597 | 596 | 602 | 590 | 595 | 592 | 581 | 588 | 602 | 608 | 610 | 594 | 602 | 614 | 619 | 618 | 611 | 618 | 616 | 618 |
| 14 | 602 | 598 | 586 | 606 | 606 | 611 | 605 | 602 | 595 | 587 | 592 | 602 | 605 | 591 | 598 | 591 | 585 | 588 | 600 | 606 | 609 | 595 | 603 | 613 | 621 | 617 | 613 | 615 | 614 | 614 |
| 15 | 603 | 600 | 588 | 605 | 608 | 611 | 609 | 602 | 595 | 590 | 598 | 598 | 605 | 594 | 600 | 592 | 582 | 588 | 601 | 606 | 608 | 592 | 604 | 617 | 623 | 616 | 615 | 618 | 615 | 612 |
| 16 | 603 | 599 | 590 | 604 | 610 | 613 | 607 | 606 | 593 | 592 | 597 | 604 | 604 | 591 | 599 | 592 | 584 | 589 | 602 | 608 | 610 | 595 | 605 | 615 | 622 | 611 | 615 | 618 | 615 | 610 |
| 17 | 606 | 595 | 587 | 605 | 606 | 612 | 599 | 601 | 595 | 590 | 598 | 602 | 601 | 591 | 598 | 587 | 581 | 587 | 599 | 607 | 608 | 594 | 604 | 616 | 619 | 615 | 611 | 621 | 613 | 613 |
| 18 | 605 | 600 | 590 | 603 | 609 | 606 | 603 | 601 | 593 | 590 | 594 | 604 | 603 | 591 | 595 | 585 | 580 | 590 | 601 | 608 | 608 | 592 | 603 | 616 | 622 | 612 | 613 | 613 | 618 | 613 |
| 19 | 606 | 601 | 587 | 604 | 609 | 607 | 602 | 602 | 594 | 591 | 596 | 602 | 605 | 593 | 597 | 588 | 581 | 589 | 601 | 607 | 606 | 593 | 606 | 618 | 619 | 615 | 610 | 617 | 612 | 611 |
| 20 | 604 | 596 | 588 | 605 | 608 | 608 | 603 | 599 | 594 | 591 | 596 | 601 | 597 | 590 | 595 | 585 | 581 | 588 | 602 | 608 | 602 | 592 | 605 | 618 | 623 | 613 | 613 | 617 | 610 | 610 |
| 21 | 606 | 599 | 587 | 606 | 612 | 607 | 604 | 600 | 593 | 589 | 594 | 599 | 599 | 590 | 599 | 589 | 581 | 593 | 603 | 607 | 604 | 593 | 604 | 619 | 619 | 612 | 614 | 617 | 610 | 612 |
| 22 | 605 | 598 | 589 | 600 | 609 | 609 | 603 | 598 | 592 | 588 | 595 | 601 | 596 | 594 | 594 | 585 | 582 | 591 | 599 | 609 | 604 | 594 | 606 | 618 | 619 | 612 | 616 | 619 | 612 | 613 |
| 23 | 606 | 596 | 591 | 605 | 609 | 607 | 605 | 599 | 594 | 587 | 595 | 599 | 597 | 595 | 593 | 583 | 581 | 593 | 599 | 609 | 602 | 597 | 605 | 618 | 618 | 612 | 616 | 620 | 612 | 613 |
| 24 | 605 | 594 | 594 | 602 | 611 | 605 | 602 | 596 | 593 | 588 | 594 | 598 | 599 | 594 | 591 | 582 | 581 | 592 | 603 | 613 | 600 | 596 | 603 | 618 | 620 | 611 | 614 | 618 | 612 | 613 |
| Total | 14473 | 14404 | 14163 | 14420 | 14552 | 14618 | 14524 | 14442 | 14288 | 14144 | 14220 | 14354 | 14437 | 14241 | 14315 | 14162 | 13958 | 14104 | 14378 | 14537 | 14601 | 14278 | 14423 | 14698 | 14883 | 14752 | 14697 | 14749 | 14686 | |
| Daily Mean | 603.0 | 600.2 | 590.1 | 600.8 | 606.3 | 609.1 | 605.1 | 601.7 | 595.3 | 589.3 | 592.5 | 598.1 | 601.5 | 593.4 | 596.5 | 590.1 | 581.6 | 587.7 | 599.1 | 605.7 | 608.4 | 594.9 | 601.0 | 612.4 | 620.1 | 614.7 | 612.4 | 616.3 | 614.5 | 611.9 |

COSMIC RAY RECORDS Station *Mawson* Year 1961 Month *May* Telescope No. *1* Zenith Angle 0° Absorber *10 cm Pb* Geometry $(I \times I) \times I m$ Scale Factor *256* **TABULATED Hourly Count Totals** TABLE 5

| Hour GMT | 01 | 02 | 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 |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 01 | 612 | 608 | 612 | 618 | 613 | 620 | 612 | 612 | 620 | 610 | 607 | 613 | 612 | 601 | 617 | 616 | 606 | 611 | 614 | 618 | 616 | 618 | 601 | 596 | 603 | 603 | 595 | 591 | 599 | 597 | 602 |
| 02 | 612 | 609 | 616 | 616 | 615 | 617 | 617 | 614 | 617 | 610 | 606 | 613 | 612 | 602 | 616 | 609 | 606 | 612 | 615 | 614 | 617 | 613 | 603 | 599 | 603 | 602 | 591 | 596 | 598 | 601 | 601 |
| 03 | 612 | 612 | 617 | 617 | 614 | 617 | 616 | 618 | 619 | 606 | 606 | 610 | 613 | 604 | 616 | 609 | 609 | 609 | 611 | 610 | 617 | 614 | 602 | 600 | 604 | 599 | 596 | 597 | 601 | 601 | 602 |
| 04 | 611 | 612 | 617 | 617 | 615 | 615 | 616 | 614 | 624 | 607 | 604 | 614 | 608 | 602 | 619 | 609 | 607 | 609 | 615 | 606 | 619 | 618 | 604 | 595 | 603 | 595 | 590 | 596 | 596 | 603 | 604 |
| 05 | 612 | 612 | 616 | 619 | 615 | 619 | 613 | 611 | 618 | 610 | 605 | 615 | 614 | 607 | 617 | 609 | 610 | 606 | 615 | 605 | 613 | 617 | 602 | 596 | 604 | 598 | 591 | 593 | 596 | 601 | 603 |
| 06 | 613 | 611 | 618 | 614 | 618 | 618 | 615 | 613 | 617 | 610 | 607 | 613 | 612 | 604 | 618 | 608 | 610 | 606 | 615 | 604 | 614 | 614 | 602 | 598 | 600 | 599 | 590 | 595 | 595 | 603 | 603 |
| 07 | 613 | 613 | 618 | 618 | 617 | 616 | 616 | 614 | 616 | 611 | 608 | 616 | 614 | 606 | 617 | 610 | 609 | 613 | 618 | 603 | 615 | 620 | 602 | 600 | 606 | 599 | 591 | 595 | 596 | 606 | 606 |
| 08 | 615 | 615 | 618 | 618 | 617 | 615 | 617 | 614 | 619 | 610 | 606 | 614 | 611 | 604 | 613 | 613 | 612 | 610 | 617 | 602 | 616 | 619 | 601 | 597 | 606 | 598 | 590 | 597 | 594 | 604 | 605 |
| 09 | 611 | 614 | 621 | 614 | 619 | 616 | 615 | 615 | 620 | 606 | 611 | 612 | 610 | 608 | 616 | 612 | 613 | 610 | 619 | 605 | 621 | 616 | 600 | 601 | 603 | 599 | 594 | 595 | 600 | 606 | 605 |
| 10 | 616 | 612 | 621 | 616 | 620 | 618 | 615 | 619 | 618 | 610 | 614 | 615 | 612 | 610 | 615 | 612 | 612 | 612 | 619 | 604 | 617 | 617 | 604 | 600 | 603 | 595 | 592 | 596 | 599 | 608 | 607 |
| 11 | 615 | 613 | 623 | 615 | 623 | 619 | 618 | 614 | 616 | 610 | 610 | 616 | 612 | 611 | 615 | 614 | 613 | 614 | 622 | 605 | 619 | 615 | 600 | 598 | 600 | 597 | 589 | 597 | 597 | 609 | 603 |
| 12 | 612 | 615 | 625 | 616 | 623 | 618 | 615 | 618 | 618 | 612 | 612 | 616 | 610 | 611 | 618 | 611 | 612 | 616 | 619 | 610 | 623 | 615 | 601 | 602 | 602 | 597 | 591 | 601 | 596 | 610 | 607 |
| 13 | 615 | 612 | 624 | 611 | 619 | 618 | 615 | 617 | 617 | 610 | 611 | 617 | 611 | 611 | 618 | 614 | 612 | 613 | 623 | 606 | 621 | 613 | 599 | 602 | 605 | 594 | 591 | 598 | 599 | 609 | 605 |
| 14 | 617 | 612 | 625 | 613 | 622 | 615 | 617 | 618 | 617 | 607 | 614 | 615 | 611 | 614 | 617 | 612 | 614 | 612 | 620 | 610 | 622 | 612 | 597 | 601 | 602 | 596 | 590 | 603 | 596 | 612 | 608 |
| 15 | 612 | 612 | 626 | 614 | 621 | 616 | 619 | 615 | 613 | 613 | 610 | 616 | 609 | 613 | 619 | 612 | 613 | 616 | 617 | 613 | 621 | 611 | 601 | 602 | 605 | 593 | 592 | 601 | 601 | 610 | 603 |
| 16 | 614 | 611 | 628 | 613 | 622 | 617 | 614 | 615 | 613 | 609 | 610 | 614 | 610 | 615 | 618 | 613 | 610 | 613 | 616 | 611 | 622 | 611 | 600 | 599 | 607 | 594 | 591 | 599 | 599 | 609 | 604 |
| 17 | 615 | 613 | 626 | 612 | 624 | 614 | 615 | 614 | 614 | 609 | 612 | 616 | 604 | 612 | 617 | 613 | 611 | 612 | 617 | 613 | 620 | 610 | 601 | 601 | 603 | 596 | 591 | 599 | 598 | 609 | 604 |
| 18 | 616 | 612 | 628 | 612 | 624 | 616 | 614 | 618 | 611 | 608 | 613 | 616 | 607 | 613 | 617 | 608 | 612 | 613 | 616 | 615 | 620 | 609 | 600 | 603 | 606 | 594 | 593 | 601 | 598 | 608 | 603 |
| 19 | 610 | 610 | 623 | 612 | 623 | 617 | 612 | 616 | 611 | 610 | 613 | 617 | 605 | 613 | 615 | 610 | 613 | 612 | 619 | 614 | 621 | 609 | 602 | 603 | 601 | 593 | 594 | 597 | 599 | 610 | 603 |
| 20 | 614 | 612 | 626 | 612 | 624 | 617 | 613 | 619 | 610 | 609 | 612 | 614 | 607 | 614 | 613 | 607 | 612 | 610 | 617 | 613 | 617 | 610 | 602 | 599 | 601 | 595 | 596 | 601 | 597 | 608 | 603 |
| 21 | 611 | 613 | 622 | 614 | 621 | 616 | 617 | 618 | 612 | 606 | 611 | 612 | 602 | 616 | 615 | 609 | 611 | 612 | 614 | 616 | 621 | 611 | 600 | 604 | 601 | 591 | 593 | 598 | 600 | 604 | 603 |
| 22 | 610 | 614 | 621 | 613 | 623 | 619 | 611 | 620 | 614 | 611 | 611 | 614 | 606 | 614 | 615 | 610 | 618 | 619 | 616 | 622 | 609 | 601 | 606 | 600 | 593 | 593 | 598 | 600 | 606 | 605 | 605 |
| 23 | 612 | 615 | 622 | 611 | 621 | 617 | 612 | 623 | 612 | 607 | 612 | 615 | 600 | 620 | 615 | 609 | 611 | 612 | 618 | 613 | 618 | 604 | 600 | 603 | 604 | 591 | 594 | 598 | 600 | 601 | 599 |
| 24 | 611 | 615 | 621 | 615 | 621 | 616 | 613 | 618 | 613 | 608 | 613 | 614 | 602 | 615 | 611 | 609 | 610 | 616 | 613 | 616 | 619 | 603 | 602 | 602 | 600 | 593 | 592 | 596 | 599 | 605 | 602 |
| Total | 14711 | 14697 | 14914 | 14750 | 14874 | 14806 | 14757 | 14787 | 14779 | 14619 | 14638 | 14747 | 14614 | 14640 | 14787 | 14658 | 14687 | 14808 | 14642 | 14851 | 14708 | 14427 | 14407 | 14472 | 14304 | 14210 | 14338 | 14353 | 14540 | 14490 | |
| Daily Mean | 612.9 | 612.4 | 621.4 | 614.6 | 619.7 | 616.9 | 614.9 | 616.1 | 615.8 | 609.1 | 609.9 | 614.5 | 608.9 | 610.0 | 616.1 | 610.7 | 610.7 | 611.9 | 617.0 | 610.1 | 618.8 | 612.8 | 601.1 | 600.3 | 603.0 | 596.0 | 592.1 | 597.4 | 598.0 | 605.8 | 603.7 |

COSMIC RAY RECORDS
 Station *Mawson*
 Year *1961*
 Month *June*

Telescope No. *1*
 Zenith Angle θ°
 Absorber *10 cm Pb*

Geometry $(I \times J) \times I \times m$
 Scale Factor *256*

TABULATED Hourly Count Totals

TABLE 6

| Date | 01 | 02 | 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 | | |
|------------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-------|-------|-------|-----|-----|
| Hour GMT | 01 | 02 | 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 | | |
| 01 | 599 | 605 | 612 | 620 | 602 | 582 | 575 | 578 | 586 | 592 | 600 | 605 | 605 | 621 | 623 | 616 | 618 | 619 | 619 | 617 | 609 | 611 | 623 | 613 | 605 | 617 | 623 | 614 | 609 | 623 | | |
| 02 | 600 | 605 | 614 | 618 | 603 | 578 | 576 | 582 | 584 | 595 | 599 | 608 | 607 | 618 | 619 | 623 | 615 | 618 | 620 | 616 | 607 | 616 | 624 | 614 | 604 | 617 | 619 | 610 | 607 | 621 | | |
| 03 | 602 | 605 | 616 | 621 | 598 | 580 | 573 | 583 | 588 | 595 | 599 | 610 | 609 | 619 | 624 | 619 | 616 | 617 | 617 | 608 | 613 | 623 | 608 | 605 | 618 | 618 | 606 | 609 | 622 | | | |
| 04 | 598 | 605 | 616 | 620 | 596 | 579 | 576 | 581 | 585 | 591 | 602 | 608 | 606 | 620 | 623 | 620 | 617 | 617 | 620 | 608 | 616 | 626 | 611 | 604 | RF | 620 | 608 | 613 | 621 | | | |
| 05 | 601 | 610 | 617 | 623 | 597 | 579 | 576 | RF | 586 | 594 | 602 | 611 | 607 | 618 | 618 | 620 | 617 | 612 | 615 | 620 | 607 | 618 | 623 | 610 | 607 | 618 | 606 | 616 | 623 | | | |
| 06 | 602 | 609 | 617 | 623 | 597 | 580 | 579 | | 590 | 594 | 603 | 609 | 607 | 621 | 619 | 625 | 619 | 615 | 618 | 617 | 608 | 618 | 621 | 606 | 605 | 619 | 610 | 622 | 620 | | | |
| 07 | 601 | 608 | 619 | 623 | 595 | 581 | 577 | 583 | 588 | 594 | 604 | 611 | 610 | 620 | 620 | 622 | 615 | 618 | 616 | 619 | 612 | 619 | 622 | 606 | 607 | 616 | 618 | 605 | 624 | 622 | | |
| 08 | 603 | 611 | 618 | 622 | 598 | 579 | 579 | 583 | 589 | 596 | 603 | 608 | 608 | 616 | 620 | 623 | 620 | 618 | 617 | 620 | 609 | 621 | 622 | 608 | 609 | 614 | 616 | 605 | 625 | 621 | | |
| 09 | 603 | 611 | 620 | 621 | 597 | 579 | 579 | 586 | 591 | 594 | 606 | 612 | 608 | 618 | 619 | 625 | 620 | 619 | 622 | 615 | 607 | 615 | 621 | 605 | 606 | 619 | 618 | 607 | 621 | 622 | | |
| 10 | 604 | 613 | 621 | 617 | 594 | 579 | 583 | 588 | 591 | 596 | 607 | 608 | 608 | 620 | 621 | 622 | 621 | 622 | 619 | 621 | 608 | 621 | 623 | 604 | 608 | 619 | 619 | 605 | 623 | 623 | | |
| 11 | 607 | 608 | 621 | 621 | 595 | 580 | 582 | 588 | 591 | 593 | 606 | 608 | 612 | 622 | 620 | 627 | 618 | 620 | 621 | 621 | 606 | 620 | 624 | 604 | 610 | 619 | 619 | 605 | 622 | 620 | | |
| 12 | 605 | 615 | 622 | 615 | 589 | 580 | 581 | 588 | 591 | 595 | 604 | 612 | 608 | 619 | 622 | 625 | 619 | 622 | 621 | 621 | 611 | 620 | 618 | 610 | 611 | 618 | 620 | 607 | 624 | 625 | | |
| 13 | 607 | 611 | 627 | 618 | 588 | 581 | 583 | 589 | 589 | 597 | 603 | 616 | 606 | 622 | 627 | 626 | 618 | 622 | 622 | 621 | 609 | 621 | 619 | 603 | 607 | 623 | 621 | 603 | 622 | 621 | | |
| 14 | 603 | 612 | 624 | 618 | 586 | 582 | 579 | 591 | 588 | 596 | 606 | 614 | 614 | 623 | 623 | 627 | 621 | 624 | 619 | 626 | 623 | 621 | 609 | 624 | 616 | 605 | 609 | 624 | 617 | 604 | 619 | 624 |
| 15 | 606 | 612 | 623 | 617 | 587 | 579 | 582 | 590 | 595 | 596 | 605 | 610 | 616 | 623 | 623 | 627 | 621 | 624 | 619 | 622 | 607 | 620 | 618 | 603 | 608 | 623 | 616 | 604 | 621 | 625 | | |
| 16 | 603 | 611 | 624 | 616 | 585 | 579 | 580 | 587 | 590 | 596 | 600 | 605 | 611 | 620 | 622 | 627 | 618 | 621 | 621 | 623 | 607 | 626 | 616 | 599 | 609 | 619 | 619 | 605 | 621 | 625 | | |
| 17 | 605 | 613 | 624 | 613 | 581 | 580 | 581 | 587 | 589 | 598 | 607 | 607 | 613 | 620 | 621 | 624 | 620 | 621 | 622 | 619 | 611 | 621 | 617 | 603 | 612 | 622 | 621 | 604 | 621 | 625 | | |
| 18 | 605 | 611 | 624 | 615 | 581 | 579 | 587 | 587 | 593 | 596 | 604 | 606 | 612 | 620 | 624 | 627 | 617 | 620 | 618 | 617 | 607 | 624 | 615 | 601 | 610 | 623 | 620 | 602 | 620 | 622 | | |
| 19 | 603 | 614 | 623 | 612 | 583 | 581 | 580 | 590 | 591 | 600 | 604 | 608 | 614 | 622 | 622 | 623 | 620 | 623 | 620 | 617 | 609 | 624 | 616 | 605 | 612 | 624 | 618 | 605 | 625 | 624 | | |
| 20 | 603 | 612 | 624 | 613 | 582 | 576 | 578 | 590 | 593 | 596 | 604 | 610 | 614 | 623 | 625 | 619 | 619 | 622 | 621 | 615 | 607 | 622 | 615 | 602 | 614 | 625 | 619 | 604 | 620 | 626 | | |
| 21 | 603 | 610 | 622 | 610 | 581 | 577 | 577 | 587 | 595 | 598 | 604 | 608 | 613 | 620 | 623 | 617 | 620 | 620 | 620 | 613 | 609 | 626 | 613 | 606 | 611 | 623 | 618 | 606 | 623 | 627 | | |
| 22 | 606 | 611 | 623 | 606 | 580 | 577 | 581 | 589 | 593 | 597 | 602 | 607 | 616 | 623 | 624 | 620 | 620 | 619 | 617 | 611 | 610 | 624 | 614 | 606 | 615 | 624 | 618 | 604 | 623 | 628 | | |
| 23 | 605 | 613 | 624 | 608 | 580 | 574 | 582 | 587 | 591 | 600 | 606 | 607 | 616 | 620 | 622 | 615 | 618 | 620 | 617 | 611 | 609 | 624 | 614 | 606 | 615 | 624 | 616 | 606 | 621 | 627 | | |
| 24 | 603 | 611 | 620 | 603 | 582 | 576 | 580 | 589 | 592 | 600 | 607 | 605 | 617 | 622 | 621 | 616 | 617 | 618 | 617 | 611 | 613 | 623 | 614 | 607 | 618 | 624 | 616 | 607 | 619 | 625 | | |
| Total | 14477 | 14646 | 14895 | 14793 | 14157 | 13897 | 13898 | | 14159 | 14303 | 14492 | 14619 | 14657 | 14890 | 14912 | 14988 | 14846 | 14871 | 14859 | 14824 | 14607 | 14887 | 14857 | 14545 | 14621 | | 14846 | 14542 | 14870 | 14962 | | |
| Daily Mean | 603.2 | 610.3 | 620.6 | 616.4 | 589.9 | 579.0 | 579.1 | | 589.9 | 595.9 | 603.8 | 609.1 | 610.7 | 620.4 | 621.3 | 622.8 | 618.6 | 619.6 | 619.1 | 617.7 | 608.6 | 620.3 | 619.0 | 606.0 | 609.2 | | 618.6 | 605.9 | 619.6 | 623.4 | | |

RF Recording failure.

TABLE 7

COSMIC RAY RECORDS

Station *Mawsan*
 Year *1961*
 Month *July*

Telescope No. *1*
 Zenith Angle 0°
 Absorber *10 cm Pb*

Geometry $(l \times l) \times l$ m
 Scale Factor *256*

TABULATED Hourly Count Totals

| Date | Hour GMT | 01 | 02 | 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 | |
|--------------|----------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|-------|-------|-------|-----|-----|-----|-----|
| | 01 | 626 | 623 | 620 | 615 | 616 | 621 | 630 | 618 | 631 | 637 | 636 | 628 | 632 | 604 | 629 | 614 | 603 | 614 | 608 | 604 | 589 | 603 | 611 | 618 | 624 | RF | 636 | 621 | 620 | 618 | 622 | |
| | 02 | 624 | 623 | 622 | 615 | 620 | 621 | 634 | 620 | 628 | 635 | 635 | 634 | 633 | 600 | 625 | 617 | 606 | 612 | 609 | 604 | 589 | 603 | 614 | 616 | 622 | | 632 | 619 | 620 | 618 | 622 | |
| | 03 | 623 | 622 | 621 | 612 | 622 | 619 | 632 | 619 | 628 | 641 | 636 | 636 | 635 | 605 | 620 | 615 | 606 | 614 | 610 | 602 | 585 | 605 | 613 | 618 | 625 | | 633 | 618 | 618 | 623 | 620 | |
| | 04 | 621 | 621 | 623 | 612 | 620 | 622 | 632 | 621 | 629 | 637 | 634 | 632 | 633 | 609 | 618 | 616 | 605 | 613 | 612 | 599 | 589 | 597 | RF | 614 | 622 | | 633 | 620 | 619 | 621 | 622 | |
| | 05 | 620 | 619 | 624 | 614 | 619 | 624 | 632 | 619 | 630 | 635 | 635 | 629 | 632 | 615 | 616 | 614 | 604 | 615 | 609 | 598 | 589 | 602 | | 615 | 621 | | 636 | 621 | 614 | 622 | 619 | |
| | 06 | 625 | 621 | 619 | 610 | 621 | 622 | 632 | 619 | 629 | 636 | 634 | 632 | 631 | 614 | 615 | 610 | 604 | 614 | 611 | 596 | 590 | 606 | 614 | 613 | 621 | | 638 | 618 | 619 | 619 | 620 | |
| | 07 | 625 | 620 | 624 | 612 | 625 | 624 | 633 | 622 | 631 | 635 | 635 | 635 | 632 | 614 | 615 | 616 | 605 | 619 | 609 | 589 | 589 | 605 | 611 | 613 | 621 | | 634 | 619 | 616 | 619 | 622 | |
| | 08 | 625 | 622 | 621 | 609 | 624 | 624 | 631 | 620 | 631 | 634 | 635 | 631 | 631 | 613 | 618 | 613 | 603 | 621 | 612 | 590 | 590 | 604 | 615 | 616 | 616 | | 632 | 635 | 619 | 620 | 622 | 622 |
| | 09 | 624 | 621 | 623 | 612 | 626 | 627 | 632 | 620 | 633 | 637 | 632 | 632 | 631 | 616 | 616 | 611 | 607 | 623 | 607 | 588 | 588 | 600 | 615 | 616 | 620 | | 635 | 633 | 618 | 618 | 620 | 621 |
| | 10 | 624 | 621 | 623 | 611 | 628 | 627 | 634 | 623 | 634 | 638 | 634 | 631 | 631 | 612 | 618 | 610 | 603 | 622 | 604 | 588 | 589 | 607 | 617 | 617 | 618 | | 634 | 636 | 616 | 612 | 621 | 618 |
| | 11 | 621 | 621 | 621 | 616 | 628 | 628 | 634 | 625 | 633 | 638 | 629 | 632 | 629 | 608 | 616 | 614 | 604 | 624 | 608 | 587 | 591 | 604 | 619 | 615 | 621 | | 636 | 631 | 618 | 616 | 617 | 616 |
| | 12 | RF | 622 | 620 | 612 | 625 | 630 | 630 | 620 | 637 | 638 | 630 | 632 | 628 | 605 | 620 | 611 | 603 | 623 | 604 | 583 | 590 | 607 | 620 | 618 | 621 | | 637 | 638 | 618 | 614 | 621 | 619 |
| | 13 | 622 | 619 | 612 | 612 | 627 | 632 | 634 | 623 | 635 | 637 | 632 | 633 | 620 | 606 | 617 | 611 | 606 | 623 | 607 | 586 | 590 | 604 | 621 | 618 | 622 | | 640 | 630 | 618 | 614 | 617 | 620 |
| | 14 | 623 | 626 | 617 | 612 | 627 | 632 | 634 | 625 | 635 | 638 | 633 | 632 | 622 | 604 | 617 | 609 | 604 | 622 | 604 | 584 | 594 | 607 | 624 | 617 | 621 | | 639 | 630 | 615 | 614 | 621 | 617 |
| | 15 | 623 | 624 | 618 | 611 | 626 | 629 | 629 | 629 | 634 | 637 | 634 | 631 | 623 | 606 | 616 | 613 | 606 | 626 | 605 | 583 | 594 | 607 | 623 | 618 | 623 | | 641 | 630 | 617 | 613 | 618 | 618 |
| | 16 | 627 | 624 | 618 | 611 | 624 | 632 | 630 | 630 | 635 | 634 | 629 | 633 | 623 | 608 | 614 | 609 | 606 | 618 | 605 | 581 | 599 | 604 | 623 | 621 | 620 | | 641 | 632 | 618 | 611 | 620 | 618 |
| | 17 | 624 | 626 | 619 | 613 | 626 | 631 | 625 | 625 | 635 | 638 | 630 | 634 | 623 | 608 | 620 | 611 | 609 | 616 | 604 | 583 | 599 | 606 | 619 | 618 | 621 | | 639 | 630 | 615 | 611 | 619 | RF |
| | 18 | 626 | 625 | 617 | 614 | 627 | 629 | 624 | 625 | 636 | 638 | 631 | 635 | 619 | 611 | 619 | 608 | 609 | 614 | 604 | 586 | 600 | 607 | 626 | 621 | 622 | | 641 | 630 | 613 | 614 | 620 | 619 |
| | 19 | 622 | 625 | 618 | 614 | 623 | 629 | 622 | 625 | 637 | 637 | 634 | 633 | 616 | 612 | 617 | 607 | 608 | 613 | 605 | 588 | 603 | 612 | 622 | 622 | 622 | | 643 | 625 | 614 | 612 | 620 | 619 |
| | 20 | 625 | 627 | 618 | 614 | 623 | 633 | 621 | 627 | 634 | 634 | 632 | 632 | 612 | 617 | 618 | 609 | 608 | 610 | 601 | 586 | 602 | 608 | 621 | 621 | 625 | | 645 | 625 | 612 | 614 | 621 | 618 |
| | 21 | 623 | 626 | 619 | 616 | 624 | 632 | 621 | 628 | 636 | 634 | 632 | 633 | 615 | 621 | 618 | 605 | 609 | 610 | 602 | 585 | 603 | 607 | 620 | 619 | 625 | | 641 | 625 | 614 | 613 | 621 | 621 |
| | 22 | 624 | 624 | 614 | 612 | 622 | 630 | 619 | 628 | 638 | 634 | 631 | 633 | 605 | 623 | 617 | 606 | 613 | 608 | 603 | 584 | 603 | 609 | 620 | 620 | RF | | 643 | 623 | 615 | 614 | 618 | 621 |
| | 23 | 625 | 627 | 615 | 614 | 622 | 635 | 620 | 625 | 641 | 633 | 633 | 633 | 607 | 628 | 616 | 603 | 612 | 609 | 605 | 585 | 604 | 609 | 618 | 622 | | | 644 | 620 | 618 | 619 | 621 | 616 |
| | 24 | 624 | 624 | 614 | 615 | 620 | 631 | 619 | 630 | 636 | 637 | 633 | 631 | 605 | 628 | 618 | 605 | 611 | 606 | 604 | 587 | 601 | 608 | 617 | 623 | | | 635 | 620 | 615 | 619 | 621 | 623 |
| Total | | 14956 14867 14708 14968 15062 15083 14966 15206 15272 15189 15176 14971 14682 14833 14657 14554 14789 14552 14146 14260 14531 14829 | | | | | | | | | | | | | | | | | | | | | | | | 15135 | 14809 | 14774 | 14876 | | | | |
| Daily Mean : | | 623.2 619.5 612.8 623.7 627.6 628.5 623.6 633.6 636.3 632.9 632.3 623.8 611.7 618.0 610.7 606.4 616.2 606.3 589.4 594.2 605.5 617.9 | | | | | | | | | | | | | | | | | | | | | | | | 630.6 | 617.0 | 615.6 | 619.8 | | | | |

RF Recording failure

COSMIC RAY RECORDS

Station *Mowson*
Year *1961*
Month *August*

Telescope No. *1*
Zenith Angle θ°
Absorber *10 cm Pb*

Geometry $(I \times I) \times I$ m
Scale Factor *256*

TABLE 8

| Date | 01 | 02 | 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 |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Hour | 623 | 633 | 625 | 623 | 622 | 620 | 623 | 626 | 632 | 638 | 631 | 623 | 633 | 622 | 621 | 622 | 633 | 635 | 629 | 627 | 631 | 624 | 618 | 618 | 614 | 624 | 642 | 643 | 634 | 619 | 593 |
| GRT | 623 | 630 | 623 | 617 | 618 | 619 | 623 | 624 | 631 | 636 | 630 | 623 | 634 | 620 | 624 | 624 | 635 | 634 | 629 | 630 | 627 | 625 | 614 | 615 | 615 | 625 | 638 | 644 | 632 | 618 | 592 |
| | 622 | 630 | 623 | 622 | 620 | 621 | 622 | 628 | 632 | 640 | 624 | 628 | 634 | 619 | 621 | 623 | 634 | 636 | 632 | 628 | 628 | 620 | 612 | 616 | 615 | 625 | 641 | 645 | 630 | 613 | 591 |
| | 622 | 629 | 622 | 621 | 617 | 619 | 624 | 626 | 633 | 633 | 625 | 629 | 637 | 618 | 624 | 623 | 639 | 635 | 628 | 626 | 629 | 624 | 619 | 619 | 615 | 627 | 646 | 644 | 631 | 612 | 592 |
| | 621 | 633 | 626 | 621 | 622 | 619 | 625 | 629 | 637 | 638 | 619 | 627 | 634 | 621 | 624 | 626 | 636 | 635 | 632 | 627 | 627 | 622 | 617 | 619 | 617 | 626 | 641 | 645 | 631 | 612 | 589 |
| | 624 | 628 | 627 | 622 | 620 | 620 | 624 | 628 | 635 | 637 | 621 | 633 | 637 | 620 | 625 | 623 | 638 | 630 | 630 | 629 | 625 | 620 | 614 | 618 | 619 | 626 | 638 | 645 | 632 | 614 | 592 |
| | 624 | 629 | 625 | 624 | 621 | 620 | 625 | 633 | 636 | 639 | 623 | 634 | 636 | 623 | 625 | 625 | 640 | 635 | 631 | 624 | 628 | 623 | 615 | 617 | 622 | 629 | 644 | 644 | 638 | 614 | 589 |
| | 624 | 632 | 624 | 619 | 622 | 621 | 620 | 633 | 637 | 638 | 624 | 637 | 636 | 619 | 630 | 629 | 639 | 631 | 632 | 629 | 628 | 623 | 615 | 621 | 617 | 634 | 641 | 643 | 630 | 614 | 589 |
| | 623 | 630 | 623 | 621 | 621 | 620 | 626 | 632 | 637 | 639 | 626 | 639 | 634 | 620 | 629 | 631 | 639 | 633 | 630 | 628 | 630 | 622 | 617 | 618 | 616 | 633 | 646 | 648 | 630 | 612 | 589 |
| | 625 | 632 | 625 | 622 | 623 | 624 | 626 | 631 | 635 | 639 | 626 | 642 | 631 | 623 | 627 | 631 | 641 | 632 | 632 | 626 | 630 | 623 | 618 | 624 | 622 | 634 | 645 | 648 | 627 | 611 | 587 |
| | 625 | 630 | 623 | 621 | 623 | 625 | 627 | 632 | 639 | 638 | 624 | 641 | 633 | 621 | 626 | 630 | 641 | 633 | 631 | 626 | 633 | 625 | 618 | 622 | 620 | 636 | 643 | 646 | 628 | 611 | 585 |
| | 626 | 629 | 627 | 624 | 625 | 624 | 627 | 634 | 641 | 639 | 623 | 641 | 632 | 622 | 628 | 631 | 640 | 633 | 635 | 628 | 629 | 626 | 619 | 622 | 617 | 639 | 645 | 644 | 625 | 611 | 587 |
| | 624 | 630 | 624 | 622 | 622 | 624 | 625 | 633 | 640 | 641 | 625 | 642 | 631 | 623 | 629 | 633 | 641 | 631 | 634 | 632 | 632 | 621 | 615 | 622 | 618 | 638 | 646 | 645 | 628 | 608 | 586 |
| | 628 | 630 | 625 | 622 | 622 | 626 | 627 | 633 | 641 | 640 | 623 | 640 | 632 | 625 | 628 | 634 | 640 | 630 | 638 | 631 | 629 | 626 | 619 | 621 | 620 | 638 | 647 | 644 | 628 | 607 | 588 |
| | 631 | 630 | 626 | 621 | 626 | 626 | 629 | 630 | 641 | 640 | 623 | 639 | 631 | 621 | 628 | 631 | 642 | 633 | 633 | 630 | 631 | 630 | 616 | 621 | 621 | 640 | 647 | 645 | 622 | 602 | 585 |
| | 627 | 628 | 625 | 622 | 620 | 625 | 626 | 635 | 641 | 640 | 626 | 645 | 630 | 624 | 627 | 634 | 641 | 632 | 636 | 631 | 630 | 624 | 621 | 619 | 619 | 636 | 652 | 643 | 627 | 603 | 585 |
| | 630 | 628 | 624 | 623 | 621 | 625 | 627 | 636 | 644 | 638 | 622 | 641 | 632 | 622 | 627 | 636 | 640 | 631 | 636 | 633 | 628 | 623 | 620 | 619 | 619 | 637 | 649 | 642 | 624 | 601 | 586 |
| | 627 | 625 | 625 | 624 | 626 | 623 | 628 | 632 | 644 | 635 | 625 | 639 | 627 | 622 | 626 | 635 | 640 | 631 | 633 | 631 | 630 | 625 | 622 | 618 | 618 | 638 | 648 | 641 | 625 | 602 | 588 |
| | 633 | 625 | 625 | 623 | 623 | 625 | 627 | 634 | 642 | 638 | 625 | 643 | 629 | 622 | 629 | 634 | 639 | 630 | 633 | 635 | 631 | 624 | 618 | 621 | 620 | 637 | 649 | 640 | 621 | 599 | 586 |
| | 630 | 627 | 624 | 624 | 622 | 621 | 628 | 632 | 642 | 636 | 626 | 643 | 626 | 618 | 626 | 634 | 637 | 630 | 631 | 632 | 631 | 622 | 619 | 618 | 622 | 640 | 652 | 640 | 620 | 599 | 585 |
| | 633 | 625 | 624 | 623 | 623 | 626 | 629 | 636 | 637 | 635 | 625 | 639 | 626 | 618 | 625 | 632 | 636 | 631 | 632 | 631 | 633 | 623 | 618 | 619 | 623 | 641 | 650 | 637 | 622 | 594 | 585 |
| | 631 | 624 | 623 | 623 | 621 | 624 | 627 | 631 | 638 | 634 | 629 | 635 | 626 | 618 | 625 | 633 | 635 | 629 | 630 | 632 | 630 | 619 | 616 | 618 | 623 | 641 | 647 | 641 | 620 | 595 | 584 |
| | 632 | 627 | 623 | 622 | 622 | 624 | 625 | 630 | 634 | 634 | 624 | 634 | 623 | 621 | 624 | 632 | 635 | 630 | 630 | 633 | 625 | 622 | 616 | 616 | 622 | 642 | 647 | 638 | 617 | 596 | 587 |
| | 628 | 624 | 618 | 622 | 619 | 623 | 627 | 630 | 637 | 632 | 629 | 634 | 621 | 620 | 624 | 632 | 636 | 630 | 630 | 632 | 629 | 615 | 617 | 616 | 626 | 642 | 645 | 635 | 614 | 595 | 586 |
| Total | 15036 | 15088 | 14979 | 14928 | 14921 | 14942 | 15018 | 15148 | 15306 | 15292 | 14998 | 15272 | 15145 | 14924 | 15023 | 15118 | 15317 | 15170 | 15167 | 15111 | 15104 | 14951 | 14813 | 14857 | 14860 | 15228 | 15489 | 15430 | 15028 | 14582 | 14106 |
| Daily Mean | 626.5 | 628.7 | 624.1 | 622.0 | 621.7 | 621.6 | 625.7 | 631.2 | 637.7 | 637.4 | 624.9 | 636.3 | 631.0 | 621.0 | 625.9 | 629.9 | 638.2 | 632.1 | 631.9 | 629.6 | 629.3 | 622.9 | 617.2 | 619.0 | 619.2 | 634.5 | 645.4 | 642.9 | 626.2 | 606.7 | 587.7 |

TABLE 9

COSMIC RAY RECORDS
 Station *Mawson*
 Year *1961*
 Month *September*

Telescope No. *1*
 Zenith Angle θ°
 Absorber *10 cm Pb*

Geometry $(l \times l) \times l$
 Scale Factor *256*

TABULATED Hourly Count Totals

| Date | 01 | 02 | 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 |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 01 | 585 | 595 | 616 | 624 | 628 | 620 | 614 | 606 | 596 | 611 | 611 | 598 | 594 | 592 | 609 | 607 | 616 | 620 | 614 | 610 | 615 | 618 | 630 | 626 | 613 | 636 | 623 | 633 | 645 | 622 |
| 02 | 586 | 597 | 616 | 623 | 622 | 619 | 614 | 605 | 602 | 609 | 608 | 593 | 592 | 596 | 604 | 604 | 617 | 619 | 613 | 611 | 613 | 619 | 635 | 629 | 613 | 638 | 623 | 637 | 645 | 619 |
| 03 | 588 | 599 | 615 | 625 | 625 | 621 | 615 | 606 | 601 | 606 | 607 | 597 | 594 | 595 | 609 | 600 | 618 | 619 | 614 | 610 | 612 | 619 | 631 | 629 | 611 | 635 | 625 | 636 | 644 | 618 |
| 04 | 587 | 600 | 618 | 622 | 625 | 619 | 614 | 604 | 600 | 603 | 608 | 599 | 593 | 599 | 604 | 602 | 616 | 616 | 614 | 610 | 617 | 621 | 632 | 630 | 610 | 641 | 624 | 638 | 644 | 618 |
| 05 | 586 | 600 | 617 | 623 | 623 | 621 | 610 | 603 | 600 | 606 | 604 | 598 | 593 | 601 | 609 | 605 | 618 | 617 | 617 | 613 | 616 | 624 | 634 | 626 | 614 | 638 | 623 | 640 | 643 | 615 |
| 06 | 587 | 600 | 613 | 624 | 621 | 619 | 611 | 606 | 604 | 604 | 605 | 596 | 595 | 602 | 609 | 609 | 614 | 615 | 616 | 613 | 615 | 623 | 637 | 628 | 616 | 636 | 624 | 641 | 641 | 614 |
| 07 | 590 | 605 | 617 | 626 | 622 | 617 | 610 | 607 | 605 | 607 | 604 | 596 | 593 | 603 | 609 | 610 | 616 | 622 | 617 | 615 | 618 | 623 | 633 | 627 | 615 | 634 | 624 | 642 | 642 | 618 |
| 08 | 590 | 603 | 617 | 625 | 620 | 619 | 613 | 605 | 604 | 607 | 602 | 599 | 594 | 605 | 610 | 607 | 613 | 622 | 618 | 616 | 619 | 623 | 637 | 626 | 614 | 635 | 622 | 645 | 639 | 618 |
| 09 | 589 | 604 | 620 | 625 | 622 | 620 | 614 | 604 | 602 | 604 | 603 | 598 | 597 | 603 | 611 | 611 | 619 | 623 | 616 | 616 | 621 | 625 | 635 | 625 | 617 | 636 | 623 | 643 | 636 | 616 |
| 10 | 592 | 606 | 618 | 624 | 622 | 617 | 616 | 606 | 599 | 606 | 602 | 597 | 598 | 605 | 615 | 612 | 619 | 623 | 617 | 619 | 619 | 625 | 635 | 624 | 620 | 634 | 620 | 645 | 634 | 612 |
| 11 | 587 | 606 | 622 | 624 | 622 | 621 | 614 | 604 | 602 | 608 | 601 | 598 | 598 | 605 | 614 | 616 | 620 | 628 | 619 | 616 | 621 | 628 | 637 | 625 | 617 | 636 | 620 | 646 | 631 | 615 |
| 12 | 589 | 605 | 616 | 625 | 621 | 618 | 614 | 602 | 603 | 607 | 601 | 604 | 603 | 606 | 615 | 615 | 620 | 628 | 621 | 621 | 620 | 625 | 635 | 621 | 619 | 635 | 620 | 647 | 628 | 608 |
| 13 | 590 | 606 | 618 | 624 | 621 | 619 | 616 | 602 | 607 | 612 | 601 | 604 | 601 | 605 | 612 | 616 | 621 | 625 | 618 | 620 | 620 | 628 | 635 | 621 | 624 | 634 | 621 | 647 | 632 | 611 |
| 14 | 592 | 608 | 620 | 629 | 621 | 619 | 614 | 599 | 604 | 608 | 601 | 604 | 601 | 608 | 614 | 616 | 624 | 625 | 624 | 620 | 623 | 630 | 635 | 618 | 627 | 635 | 625 | 649 | 629 | 607 |
| 15 | 592 | 610 | 622 | 624 | 621 | 618 | 612 | 603 | 606 | 611 | 602 | 603 | 603 | 606 | 616 | 616 | 619 | 626 | 624 | 621 | 621 | 629 | 637 | 617 | 625 | 634 | 622 | 649 | 627 | 608 |
| 16 | 593 | 609 | 622 | 624 | 621 | 617 | 611 | 600 | 606 | 610 | 603 | 600 | 602 | 607 | 611 | 616 | 622 | 627 | 620 | 620 | 621 | 630 | 635 | 616 | 630 | 632 | 621 | 650 | 628 | 609 |
| 17 | 592 | 613 | 623 | 626 | 618 | 622 | 612 | 603 | 609 | 613 | 600 | 600 | 602 | 606 | 611 | 620 | 622 | 624 | 618 | 621 | 623 | 629 | 632 | 616 | 630 | 630 | 623 | 649 | 630 | 609 |
| 18 | 587 | 611 | 621 | 626 | 621 | 620 | 609 | 603 | 606 | 614 | 602 | 599 | 601 | 608 | 610 | 620 | 624 | 628 | 618 | 618 | 619 | 628 | 631 | 615 | 633 | 633 | 624 | 651 | 627 | 608 |
| 19 | 592 | 611 | 620 | 627 | 621 | 620 | 609 | 602 | 604 | 615 | 601 | 600 | 602 | 609 | 611 | 619 | 624 | 628 | 619 | 615 | 620 | 626 | 631 | 615 | 633 | 627 | 625 | 650 | 630 | 605 |
| 20 | 593 | 614 | 620 | 623 | 618 | 620 | 606 | 598 | 606 | 613 | 602 | 597 | 601 | 608 | 609 | 618 | 626 | 622 | 616 | 615 | 615 | 628 | 630 | 609 | 633 | 628 | 626 | 652 | 626 | 605 |
| 21 | 592 | 615 | 619 | 627 | 621 | 619 | 608 | 597 | 608 | 615 | 601 | 598 | 598 | 610 | 610 | 621 | 624 | 620 | 614 | 614 | 616 | 628 | 628 | 609 | 635 | 625 | 628 | 653 | 626 | 605 |
| 22 | 591 | 615 | 623 | 627 | 622 | 614 | 603 | 598 | 610 | 616 | 601 | 596 | 596 | 609 | 611 | 618 | 624 | 621 | 617 | 618 | 620 | 627 | 630 | 611 | 637 | 626 | 629 | 650 | 625 | 608 |
| 23 | 594 | 617 | 624 | 626 | 624 | 617 | 602 | 596 | 613 | 616 | 600 | 594 | 596 | 608 | 611 | 618 | 621 | 616 | 611 | 616 | 615 | 628 | 628 | 610 | 636 | 625 | 631 | 646 | 625 | 603 |
| 24 | 595 | 619 | 622 | 623 | 621 | 614 | 603 | 598 | 605 | 614 | 597 | 595 | 596 | 607 | 607 | 618 | 618 | 615 | 610 | 615 | 616 | 629 | 628 | 613 | 638 | 625 | 631 | 642 | 621 | 600 |
| Total | 14159 | 14588 | 14864 | 14996 | 14923 | 14850 | 14664 | 14457 | 14502 | 14635 | 14467 | 14363 | 14343 | 14503 | 14651 | 14714 | 14875 | 14929 | 14805 | 14783 | 14835 | 15013 | 15191 | 14886 | 14960 | 15188 | 14977 | 15481 | 15198 | 14671 |
| Daily Mean | 589.9 | 607.0 | 619.3 | 624.8 | 621.8 | 618.7 | 611.0 | 602.4 | 604.3 | 609.8 | 602.8 | 598.5 | 597.6 | 604.3 | 610.5 | 613.1 | 619.8 | 622.0 | 616.9 | 615.9 | 618.1 | 625.5 | 632.9 | 620.3 | 623.3 | 632.8 | 624.0 | 645.0 | 633.3 | 611.3 |

COSMIC RAY RECORDS

Station *Mawson*
Year *1961*
Month *October*

Telescope No. *1*
Zenith Angle 0°
Absorber *10 cm Pb*

Geometry $(l \times l) \times l$ m
Scale Factor *256*

TABULATED Hourly Count Totals

TABLE 10

| Date | 01 | 02 | 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 |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 01 | 600 | 614 | 629 | 618 | 610 | 605 | 613 | 611 | 617 | 614 | 613 | 611 | 619 | 616 | 617 | 615 | 626 | 630 | 633 | 631 | 628 | 625 | 629 | 626 | 620 | 616 | 610 | 616 | 619 | 622 | |
| 02 | 593 | 614 | 627 | 620 | 608 | 608 | 611 | 612 | 616 | 616 | 613 | 611 | 619 | 618 | 619 | 614 | 617 | 627 | 631 | 634 | 632 | 632 | 623 | 629 | 623 | 624 | 616 | 613 | 616 | 618 | 623 |
| 03 | 592 | 617 | 630 | 619 | 603 | 605 | 611 | 612 | 616 | 614 | 611 | 610 | 621 | 613 | 622 | 615 | 618 | 631 | 634 | 634 | 635 | 624 | 626 | 626 | 628 | 623 | 613 | 610 | 620 | 626 | |
| 04 | 594 | 620 | 626 | 620 | 602 | 604 | 611 | 615 | 614 | 615 | 613 | 613 | 619 | 614 | 620 | 614 | 618 | 631 | 632 | 635 | 630 | 629 | 625 | 624 | 624 | 621 | 616 | 612 | 618 | 620 | 621 |
| 05 | 591 | 621 | 628 | 616 | 601 | 606 | 609 | 613 | 614 | 615 | 612 | 614 | 618 | 614 | 619 | 615 | 617 | 631 | 629 | 633 | 631 | 626 | 623 | 625 | 626 | 621 | 614 | 614 | 616 | 618 | 620 |
| 06 | 595 | 619 | 629 | 619 | 599 | 609 | 610 | 616 | 616 | 616 | 612 | 611 | 622 | 616 | 616 | 614 | 620 | 629 | 631 | 638 | 632 | 626 | 622 | 627 | 623 | 622 | 615 | 613 | 619 | 620 | 627 |
| 07 | 595 | 621 | 630 | 618 | 598 | 607 | 612 | 615 | 615 | 617 | 614 | 612 | 622 | 613 | 618 | 616 | 618 | 629 | 631 | 634 | 626 | 626 | 627 | 623 | 620 | 614 | 614 | 617 | 618 | 623 | |
| 08 | 596 | 618 | 627 | 620 | 596 | 608 | 612 | 615 | 616 | 616 | 613 | 612 | 621 | 617 | 619 | 610 | 616 | 630 | 627 | 637 | 631 | 625 | 623 | 624 | 620 | 622 | 609 | 616 | 616 | 619 | 620 |
| 09 | 593 | 620 | 626 | 620 | 600 | 610 | 612 | 614 | 615 | 612 | 612 | 611 | 615 | 617 | 621 | 612 | 620 | 632 | 627 | 636 | 631 | 627 | 626 | 625 | 621 | 621 | 611 | 617 | 616 | 619 | 620 |
| 10 | 593 | 617 | 624 | 617 | 595 | 609 | 610 | 615 | 615 | 615 | 611 | 611 | 622 | 615 | 618 | 613 | 619 | 632 | 630 | 633 | 631 | 626 | 627 | 628 | 619 | 619 | 611 | 612 | 615 | 616 | 620 |
| 11 | 594 | 621 | 620 | 616 | 598 | 609 | 612 | 614 | 616 | 616 | 611 | 614 | 621 | 617 | 621 | 616 | 623 | 631 | 632 | 633 | 633 | 625 | 622 | 626 | 616 | 621 | 612 | 612 | 616 | 616 | 618 |
| 12 | 593 | 621 | 620 | 612 | 596 | 608 | 611 | 614 | 614 | 614 | 611 | 614 | 622 | 620 | 620 | 615 | 620 | 632 | 633 | 634 | 631 | 624 | 624 | 627 | 616 | 621 | 609 | 611 | 615 | 618 | 616 |
| 13 | 596 | 623 | 618 | 616 | 595 | 609 | 611 | 615 | 615 | 615 | 612 | 615 | 620 | 617 | 620 | 619 | 621 | 634 | 632 | 633 | 633 | 623 | 625 | 626 | 618 | 620 | 610 | 608 | 616 | 619 | 617 |
| 14 | 597 | 619 | 620 | 613 | 593 | 606 | 616 | 612 | 613 | 614 | 606 | 614 | 618 | 621 | 619 | 618 | 618 | 633 | 634 | 634 | 630 | 626 | 622 | 625 | 616 | 620 | 606 | 607 | 613 | 620 | 616 |
| 15 | 594 | 623 | 618 | 615 | 594 | 605 | 610 | 617 | 613 | 612 | 611 | 616 | 619 | 619 | 618 | 618 | 619 | 633 | 634 | 631 | 627 | 626 | 628 | 619 | 621 | 607 | 603 | 612 | 618 | 618 | |
| 16 | 597 | 622 | 616 | 613 | 597 | 607 | 610 | 614 | 613 | 616 | 611 | 614 | 621 | 621 | 618 | 617 | 620 | 631 | 632 | 633 | 631 | 627 | 627 | 623 | 618 | 620 | 604 | 602 | 613 | 620 | 616 |
| 17 | 599 | 622 | 616 | 614 | 596 | 608 | 609 | 615 | 616 | 611 | 613 | 616 | 619 | 623 | 619 | 614 | 616 | 630 | 631 | 632 | 631 | 629 | 628 | 627 | 617 | 619 | 605 | 600 | 615 | 619 | 615 |
| 18 | 599 | 623 | 618 | 610 | 600 | 610 | 611 | 617 | 614 | 614 | 610 | 614 | 618 | 621 | 620 | 615 | 621 | 630 | 631 | 632 | 629 | 626 | 625 | 616 | 620 | 609 | 603 | 615 | 619 | 615 | |
| 19 | 603 | 624 | 616 | 614 | 602 | 609 | 608 | 617 | 613 | 615 | 610 | 621 | 620 | 621 | 623 | 618 | 622 | 635 | 633 | 631 | 633 | 623 | 626 | 626 | 618 | 617 | 605 | 604 | 616 | 621 | 612 |
| 20 | 601 | 624 | 616 | 609 | 600 | 609 | 611 | 613 | 609 | 612 | 610 | 616 | 616 | 622 | 618 | 617 | 619 | 631 | 631 | 633 | 630 | 628 | 627 | 624 | 620 | 619 | 605 | 602 | 615 | 618 | 615 |
| 21 | 605 | 623 | 618 | 610 | 603 | 612 | 609 | 614 | 612 | 610 | 611 | 618 | 617 | 620 | 620 | 615 | 621 | 630 | 630 | 631 | 632 | 626 | 624 | 625 | 621 | 616 | 607 | 602 | 618 | 618 | 615 |
| 22 | 607 | 627 | 620 | 607 | 607 | 611 | 611 | 616 | 614 | 608 | 612 | 617 | 616 | 621 | 618 | 614 | 622 | 628 | 632 | 631 | 630 | 625 | 625 | 626 | 618 | 617 | 609 | 609 | 621 | 622 | 611 |
| 23 | 611 | 625 | 619 | 612 | 602 | 615 | 612 | 613 | 612 | 608 | 609 | 617 | 617 | 619 | 617 | 615 | 622 | 630 | 634 | 632 | 632 | 623 | 626 | 628 | 620 | 616 | 608 | 611 | 620 | 622 | 618 |
| 24 | 612 | 628 | 616 | 610 | 609 | 615 | 611 | 617 | 613 | 605 | 610 | 618 | 618 | 619 | 615 | 617 | 626 | 629 | 634 | 632 | 632 | 622 | 627 | 623 | 622 | 616 | 609 | 613 | 619 | 619 | 614 |
| Total | 14350 | 14906 | 14927 | 14758 | 14604 | 14604 | 14663 | 14746 | 14741 | 14722 | 14671 | 14740 | 14860 | 14834 | 14855 | 14768 | 14868 | 15135 | 15154 | 15199 | 15148 | 15023 | 15000 | 15023 | 14888 | 14876 | 14640 | 14618 | 14793 | 14857 | 14838 |
| Daily Mean | 597.9 | 621.1 | 621.9 | 614.9 | 600.2 | 608.5 | 610.9 | 614.4 | 614.2 | 613.4 | 611.3 | 614.2 | 619.2 | 618.1 | 618.9 | 615.3 | 619.5 | 630.6 | 631.4 | 633.3 | 631.2 | 625.9 | 625.0 | 620.3 | 619.8 | 610.0 | 609.1 | 616.4 | 619.0 | 618.3 | |

TABLE II

TABULATED Hourly Count Totals

Geometry $(l \times l) \times l$ m
Scale Factor 256

Telescope No. 1
Zenith Angle 0°
Absorber 10 cm Pb

Station Mawson
Year 1961
Month November

COSMIC RAY RECORDS

| Date | Hour GMT | 01 | 02 | 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 | |
|------------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-----|
| | 01 | 614 | 616 | 622 | 610 | 616 | 615 | 613 | 609 | 625 | 632 | 617 | 608 | 611 | 623 | 608 | 601 | 592 | 601 | 612 | 604 | 600 | 597 | 607 | 606 | 597 | 603 | 608 | 602 | 604 | 608 | |
| | 02 | 615 | 617 | 623 | 612 | 613 | 609 | 616 | 610 | 626 | 630 | 615 | 608 | 612 | 623 | 615 | 599 | 595 | 604 | 605 | 603 | 600 | 595 | 606 | 606 | 594 | 603 | 603 | 601 | 605 | 605 | |
| | 03 | 617 | 617 | 622 | 615 | 617 | 610 | 616 | 611 | 629 | 630 | 618 | 606 | 614 | 621 | 612 | 595 | 593 | 610 | 608 | 601 | 598 | 597 | 608 | 609 | 599 | 605 | 603 | 600 | 604 | 607 | |
| | 04 | 611 | 620 | 622 | 613 | 618 | 611 | 612 | 612 | 630 | 629 | 614 | 608 | 614 | 623 | 609 | 595 | 595 | 606 | 609 | 604 | 598 | 597 | 611 | 611 | 601 | 601 | 605 | 596 | 606 | 608 | |
| | 05 | 612 | 620 | 619 | 617 | 618 | 612 | 615 | 609 | 627 | 632 | 614 | 607 | 614 | 621 | 610 | 593 | 594 | 608 | 607 | 602 | 592 | 593 | 610 | 610 | 600 | 604 | 604 | 598 | 608 | 608 | |
| | 06 | 613 | 623 | 618 | 616 | 617 | 615 | 615 | 612 | 628 | 627 | 614 | 607 | 613 | 621 | 610 | 597 | 598 | 605 | 607 | 601 | 595 | 600 | 610 | 606 | 597 | 604 | 602 | 601 | 608 | 609 | |
| | 07 | 615 | 620 | 618 | 613 | 619 | 612 | 614 | 609 | 627 | 631 | 615 | 607 | 611 | 614 | 609 | 593 | 596 | 605 | 610 | 601 | 595 | 597 | 609 | 606 | 598 | 607 | 603 | 595 | 606 | 609 | |
| | 08 | 612 | 619 | 615 | 615 | 618 | 611 | 616 | 610 | 628 | 630 | 613 | 605 | 616 | 616 | 609 | 594 | 600 | 609 | 609 | 602 | 595 | 600 | 611 | 605 | 597 | 607 | 601 | 600 | 604 | 610 | |
| | 09 | 613 | 619 | 615 | 616 | 615 | 614 | 617 | 614 | 632 | 626 | 615 | 605 | 617 | 618 | 606 | 595 | 601 | 608 | 609 | 603 | 595 | 598 | 612 | 603 | 598 | 605 | 600 | 603 | 605 | 606 | |
| | 10 | 613 | 621 | 618 | 615 | 618 | 614 | 614 | 612 | 630 | 627 | 613 | 604 | 615 | 615 | 607 | 596 | 602 | 610 | 606 | 601 | 595 | 599 | 610 | 605 | 598 | 606 | 600 | 601 | 605 | 608 | |
| | 11 | 615 | 617 | 617 | 615 | 618 | 614 | 614 | 614 | 630 | 626 | 610 | 603 | 615 | 616 | 609 | 595 | 598 | 610 | 606 | 600 | 595 | 603 | 610 | 605 | 598 | 607 | 603 | 602 | 605 | 605 | |
| | 12 | 613 | 619 | 616 | 614 | 616 | 613 | 614 | 617 | 632 | 625 | 614 | 604 | 617 | 617 | 608 | 598 | 602 | 610 | 607 | 603 | 595 | 600 | 611 | 604 | 595 | 610 | 600 | 603 | 603 | 610 | |
| | 13 | 614 | 619 | 615 | 613 | 616 | 614 | 616 | 614 | 631 | 626 | 610 | 604 | 615 | 616 | 604 | 593 | 601 | 606 | 607 | 600 | 595 | 604 | 610 | 602 | 597 | 608 | 601 | 603 | 604 | 607 | |
| | 14 | 611 | 621 | 616 | 616 | 618 | 616 | 610 | 614 | 630 | 620 | 611 | 608 | 615 | 617 | 606 | 593 | 602 | 608 | 604 | 600 | 595 | 602 | 606 | 601 | 598 | 607 | 599 | 602 | 609 | 605 | |
| | 15 | 611 | 619 | 614 | 612 | 611 | 615 | 610 | 617 | 631 | 624 | 608 | 602 | 616 | 613 | 608 | 596 | 601 | 604 | 605 | 600 | 594 | 604 | 606 | 602 | 600 | 607 | 601 | 605 | 607 | 606 | |
| | 16 | 610 | 621 | 618 | 617 | 612 | 619 | 612 | 617 | 631 | 621 | 607 | 604 | 617 | 613 | 605 | 593 | 599 | 606 | 603 | 600 | 592 | 605 | 606 | 606 | 599 | 598 | 608 | 602 | 605 | 606 | 604 |
| | 17 | 611 | 622 | 615 | 613 | 616 | 616 | 617 | 609 | 617 | 630 | 621 | RF | 604 | 617 | 609 | 606 | 593 | 604 | 605 | 603 | 599 | 602 | 609 | 599 | 599 | 598 | 606 | 601 | 604 | 612 | 608 |
| | 18 | 612 | 619 | 616 | 613 | 612 | 616 | 609 | 619 | 630 | 620 | 605 | 619 | 613 | 613 | 605 | 595 | 605 | 606 | 601 | 599 | 594 | 606 | 607 | 599 | 599 | 605 | 598 | 603 | 612 | 606 | |
| | 19 | 611 | 619 | 612 | 615 | 614 | 617 | 608 | 619 | 630 | 621 | 607 | 604 | 619 | 611 | 604 | 593 | 603 | 604 | 599 | 599 | 591 | 602 | 609 | 599 | 599 | 597 | 607 | 602 | 605 | 610 | 607 |
| | 20 | 615 | 621 | 612 | 613 | 612 | 618 | 608 | 624 | 632 | 617 | 607 | 605 | 620 | 616 | 603 | 597 | 604 | 606 | 600 | 598 | 594 | 604 | 611 | 597 | 599 | 608 | 600 | 604 | 609 | 611 | |
| | 21 | 614 | 620 | 612 | 611 | 614 | 614 | 609 | 623 | 630 | 619 | 607 | 609 | 621 | 615 | 606 | 594 | 603 | 607 | 602 | 599 | 590 | 606 | 612 | 598 | 599 | 609 | 600 | 606 | 610 | 608 | |
| | 22 | 615 | 618 | 607 | 614 | 612 | 615 | 611 | 625 | 634 | 615 | 609 | 609 | 622 | 615 | 606 | 594 | 605 | 607 | 601 | 598 | 592 | 607 | 611 | 599 | 602 | 606 | 600 | 607 | 610 | 611 | |
| | 23 | 616 | 624 | 611 | 614 | 614 | 615 | 612 | 623 | 629 | 617 | 608 | 606 | 621 | 612 | 604 | 594 | 607 | 605 | 602 | 598 | 595 | 608 | 610 | 596 | 600 | 604 | 599 | 607 | 610 | 607 | |
| | 24 | 617 | 625 | 613 | 611 | 614 | 614 | 609 | 623 | 632 | 619 | 606 | 613 | 623 | 616 | 601 | 596 | 608 | 607 | 600 | 598 | 595 | 607 | 609 | 601 | 603 | 605 | 603 | 605 | 609 | 608 | |
| Total | 14720 | 14876 | 14786 | 14733 | 14768 | 14740 | 14699 | 14774 | 15114 | 14985 | 14545 | 14794 | 14794 | 14794 | 14570 | 14282 | 14408 | 14557 | 14522 | 14413 | 14272 | 14433 | 14621 | 14469 | 14362 | 14542 | 14438 | 14458 | 14571 | 14581 | | |
| Daily Mean | 613.3 | 619.8 | 616.1 | 613.9 | 615.3 | 614.2 | 612.5 | 615.6 | 629.7 | 624.4 | 606.0 | 616.4 | 616.4 | 616.4 | 607.1 | 595.1 | 600.3 | 606.5 | 605.1 | 600.5 | 594.7 | 601.4 | 609.2 | 602.9 | 598.4 | 605.9 | 601.6 | 602.4 | 607.1 | 607.5 | | |

RF Recording failure

COSMIC RAY RECORDS

Station *Mawson*
 Year *1961*
 Month *December*

Telescope No. *1*
 Zenith Angle *0°*
 Absorber *10 cm Pb*

TABLE 12

TABULATED Hourly Count Totals

| Hour GMT | 01 | 02 | 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 |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|
| 01 | 604 | 596 | 599 | 604 | 603 | 607 | 603 | 616 | 617 | 607 | 612 | 608 | 601 | 607 | 608 | 609 | 613 | 605 | 610 | 617 | 614 | 611 | 601 | 597 | 596 | 599 | 602 | 609 | 608 | 609 | 619 |
| 02 | 606 | 595 | 602 | 604 | 604 | 605 | 604 | 615 | 615 | 608 | 615 | 607 | 601 | 607 | 608 | 612 | 610 | 603 | 609 | 616 | 610 | 606 | 602 | 599 | 598 | 601 | 599 | 604 | 609 | 613 | 618 |
| 03 | 605 | 597 | 599 | 605 | 602 | 606 | 605 | 614 | 614 | 607 | 612 | 609 | 595 | 608 | 607 | 611 | 608 | 610 | 609 | 615 | 611 | 609 | 603 | 597 | 596 | 605 | 599 | 605 | 613 | 610 | 615 |
| 04 | 605 | 597 | 599 | 604 | 602 | 608 | 602 | 618 | 615 | 606 | 615 | 605 | 603 | 609 | 611 | 610 | 610 | 604 | 609 | 616 | 612 | 604 | 600 | 598 | 596 | 603 | 604 | 607 | 611 | 611 | 616 |
| 05 | 604 | 599 | 599 | 605 | 602 | 607 | 605 | 618 | 612 | 607 | 610 | 609 | 602 | 608 | 603 | 610 | 610 | 608 | 611 | 615 | 611 | 609 | 602 | 599 | 597 | 603 | 601 | 606 | 610 | 617 | 619 |
| 06 | 603 | 595 | 599 | 606 | 602 | 608 | 606 | 617 | 611 | 608 | 610 | 607 | 603 | 610 | 608 | 608 | 611 | 605 | 610 | 613 | 613 | 605 | 600 | 600 | 597 | 601 | 604 | 610 | 611 | 612 | 613 |
| 07 | 605 | 599 | 604 | 607 | 599 | 604 | 603 | 617 | 614 | 608 | 613 | 606 | 604 | 612 | 604 | 612 | 613 | 605 | 609 | 617 | 611 | 609 | 596 | 598 | 595 | 602 | 604 | 609 | 612 | 613 | 616 |
| 08 | 605 | 595 | 601 | 603 | 604 | 606 | 607 | 622 | 611 | 606 | 612 | 604 | 603 | 608 | 609 | 609 | 609 | 605 | 612 | 615 | 615 | 607 | 598 | 596 | 593 | 603 | 603 | 608 | 612 | 614 | 617 |
| 09 | 607 | 600 | 602 | 603 | 604 | 603 | 610 | 618 | 609 | 607 | 611 | 603 | 605 | 610 | 608 | 611 | 607 | 606 | 612 | 613 | 612 | 610 | 603 | 596 | 593 | 603 | 603 | 606 | 615 | 613 | 618 |
| 10 | 608 | 599 | 602 | 600 | 605 | 603 | 611 | 618 | 610 | 610 | 612 | 603 | 606 | 610 | 607 | 612 | 610 | 605 | 609 | 612 | 613 | 610 | 600 | 601 | 595 | 600 | 605 | 609 | 612 | 613 | 617 |
| 11 | 606 | 596 | 600 | 606 | 605 | 602 | 611 | 619 | 610 | 611 | 612 | 601 | 607 | 612 | 608 | 610 | RF | 607 | 608 | 614 | 611 | 609 | 600 | 597 | 596 | 602 | 604 | 609 | 610 | 612 | 621 |
| 12 | 607 | 594 | 604 | 604 | 606 | 603 | 609 | 619 | 608 | 615 | 609 | 604 | 608 | 606 | 607 | 614 | | 607 | 610 | 609 | 610 | 609 | 600 | 598 | 597 | 600 | 603 | 609 | 613 | 614 | 617 |
| 13 | 607 | 594 | 603 | 601 | 605 | 606 | 611 | 619 | 607 | 611 | 613 | 605 | 607 | 609 | 608 | 613 | 609 | 607 | 612 | 613 | 612 | 607 | 600 | 599 | 594 | 601 | 601 | 601 | 613 | 614 | 618 |
| 14 | 610 | 594 | 604 | 602 | 606 | 601 | 613 | 620 | 607 | 612 | 613 | 604 | 606 | 608 | 609 | 613 | 611 | 607 | 611 | 613 | 613 | 607 | 601 | 599 | 598 | 602 | 601 | 607 | 611 | 613 | 616 |
| 15 | 604 | 594 | 605 | 604 | 605 | 603 | 609 | 619 | 607 | 611 | 610 | 601 | 607 | 608 | 607 | 611 | 610 | 607 | 611 | 612 | 610 | 607 | 600 | 598 | 599 | 603 | 600 | 605 | 614 | 614 | 618 |
| 16 | 606 | 596 | 605 | 604 | 605 | 603 | 611 | 620 | 604 | 609 | 613 | 608 | 602 | 607 | 607 | 609 | 613 | 609 | 607 | 613 | 610 | 606 | 599 | 601 | 597 | 605 | 603 | 609 | 614 | 614 | 618 |
| 17 | 607 | 591 | 608 | 604 | 605 | 603 | 611 | 619 | 605 | 611 | 606 | 602 | 607 | 607 | 609 | 610 | 614 | 606 | 613 | 612 | 613 | 607 | 608 | 602 | 597 | 598 | 605 | 601 | 607 | 613 | 616 |
| 18 | 605 | 590 | 607 | 604 | 605 | 604 | 614 | 619 | 605 | 611 | 608 | 600 | 608 | 605 | 607 | 613 | 606 | 609 | 615 | 614 | 610 | 606 | 599 | 596 | 605 | 601 | 608 | 616 | 617 | 616 | |
| 19 | 600 | 590 | 606 | 604 | 603 | 600 | 610 | 619 | 603 | 611 | 608 | 600 | 608 | 602 | 600 | 610 | 605 | 604 | 612 | 613 | 607 | 608 | 602 | 597 | 598 | 605 | 601 | 608 | 616 | 617 | 616 |
| 20 | 595 | 594 | 604 | 604 | 603 | 604 | 615 | 616 | 603 | 610 | 608 | 600 | 610 | 607 | 609 | 611 | 605 | 607 | 614 | 611 | 610 | 603 | 600 | 598 | 601 | 604 | 602 | 610 | 610 | 615 | 621 |
| 21 | 593 | 593 | 604 | 605 | 606 | 605 | 614 | 617 | 607 | 611 | 608 | 600 | 610 | 603 | 611 | 612 | 604 | 608 | 613 | 613 | 607 | 606 | 598 | 597 | 601 | 607 | 602 | 610 | 613 | 616 | 618 |
| 22 | 593 | 597 | 608 | 605 | 606 | 601 | 614 | 619 | 609 | 613 | 606 | 601 | 608 | 605 | 610 | 610 | 635 | 608 | 615 | 612 | 610 | 603 | 599 | 596 | 601 | 603 | 607 | 610 | 614 | 618 | 618 |
| 23 | 594 | 594 | 609 | 605 | 605 | 601 | 614 | 616 | 607 | 612 | 609 | 602 | 608 | 606 | 609 | 610 | 606 | 608 | 615 | 613 | 609 | 602 | 599 | 596 | 600 | 607 | 605 | 610 | 610 | 617 | 618 |
| 24 | 597 | 597 | 611 | 604 | 605 | 603 | 616 | 619 | 606 | 615 | 607 | 603 | 607 | 607 | 613 | 612 | 607 | 608 | 614 | 613 | 608 | 601 | 600 | 594 | 601 | 607 | 604 | 608 | 610 | 618 | 615 |
| Total | 14476 | 14286 | 14487 | 14497 | 14499 | 14495 | 14627 | 14833 | 14620 | 14639 | 14647 | 14488 | 14530 | 14589 | 14600 | 14670 | 14556 | 14672 | 14724 | 14662 | 14560 | 14401 | 14345 | 14335 | 14478 | 14457 | 14592 | 14684 | 14741 | 14815 | |
| Daily Mean | 603.2 | 595.3 | 603.6 | 604.0 | 604.1 | 603.9 | 609.5 | 618.0 | 609.2 | 609.9 | 610.3 | 603.7 | 605.4 | 607.9 | 608.3 | 611.3 | 606.5 | 611.3 | 613.5 | 610.9 | 606.7 | 600.0 | 597.7 | 597.3 | 603.3 | 602.4 | 608.0 | 611.8 | 614.2 | 617.3 | |

RF: Recording failure

TABLE 13

COSMIC RAY RECORDS

Station *Mawson*
Year *1961*
Month *January*

Telescope No. *2*
Zenith Angle *45°*
Absorber *10 cm Pb*

Geometry ($\lambda \times \lambda$) \times *1.5 m*
Scale Factor *64*
Azimuth *Geomagnetic EAST*

TADULATED Hourly Count Totals

| Date | Hour GMT | 01 | 02 | 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 | | | |
|------------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|--|--|--|
| | 01 | 675 | 676 | 668 | 661 | 669 | 666 | 661 | 664 | 658 | 679 | 674 | 669 | 676 | 674 | 668 | 671 | 673 | 664 | 670 | 657 | 665 | 667 | 674 | 693 | 677 | 631 | 677 | 679 | 662 | 677 | | | | |
| | 02 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 03 | 674 | 668 | 666 | 665 | 667 | 661 | 657 | 666 | 663 | 659 | 672 | 673 | 673 | 665 | 667 | 676 | 670 | 663 | 665 | 666 | 654 | 663 | 667 | 673 | 674 | 677 | 675 | 680 | 675 | 657 | 673 | | | |
| | 04 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 05 | 668 | 665 | 663 | 667 | 664 | 662 | 660 | 669 | 667 | 671 | 670 | 671 | 673 | 676 | 668 | 668 | 673 | 665 | 664 | 664 | 665 | 662 | 662 | 671 | 680 | 678 | 684 | 688 | 679 | 652 | 678 | | | |
| | 06 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 07 | 667 | 670 | 665 | 668 | 668 | 658 | 659 | 674 | 657 | 662 | 674 | 678 | 669 | 677 | 673 | 675 | 672 | 662 | 666 | 663 | 665 | 664 | 669 | 670 | 676 | 673 | 678 | 689 | 667 | 659 | 675 | | | |
| | 08 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 09 | 670 | 671 | 665 | 662 | 672 | 660 | 659 | 670 | 659 | 667 | 676 | 676 | 679 | 673 | 676 | 676 | 672 | 668 | 663 | 664 | 662 | 668 | 662 | 678 | 680 | 679 | 675 | 688 | 674 | 656 | 676 | | | |
| | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 11 | 667 | 667 | 666 | 668 | 661 | 660 | 660 | 669 | 661 | 676 | 679 | 675 | 672 | 672 | 682 | 674 | 669 | 666 | 658 | 665 | 668 | 662 | 670 | 682 | 672 | 678 | 691 | 672 | 660 | 683 | | | | |
| | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 13 | 666 | 674 | 668 | 665 | 669 | 660 | 659 | 658 | 659 | 672 | 676 | 677 | 678 | 676 | 675 | 680 | 677 | 667 | 672 | 668 | 662 | 664 | 674 | 679 | 679 | 677 | 681 | 689 | 670 | 654 | 684 | | | |
| | 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 15 | 670 | 670 | 661 | 660 | 662 | 665 | 666 | 663 | 656 | 679 | 678 | 678 | 678 | 671 | 673 | 679 | 667 | 670 | 670 | 668 | 662 | 668 | 663 | 677 | 677 | 675 | 680 | 685 | 665 | 665 | 682 | | | |
| | 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 17 | 674 | 667 | 669 | 658 | 669 | 664 | 657 | 667 | 659 | 676 | 672 | 671 | 675 | 673 | 678 | 678 | 669 | 668 | 665 | 663 | 660 | 674 | 668 | 684 | 686 | 677 | 678 | 685 | 660 | 660 | 683 | | | |
| | 18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 19 | 669 | 666 | 666 | 668 | 674 | 660 | 664 | 663 | 669 | 673 | 670 | 677 | 669 | 670 | 674 | 682 | 667 | 670 | 663 | 659 | 663 | 668 | 673 | 671 | 679 | 674 | 684 | 681 | 662 | 666 | 677 | | | |
| | 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 21 | 667 | 671 | 672 | 675 | 667 | 653 | 666 | 666 | 667 | 677 | 676 | 669 | 676 | 670 | 676 | 679 | 663 | 664 | 661 | 660 | 664 | 661 | 671 | 684 | 677 | 679 | 682 | 687 | 659 | 672 | 681 | | | |
| | 22 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 23 | 669 | 670 | 663 | 674 | 667 | 659 | 665 | 666 | 662 | 674 | 672 | 674 | 672 | 676 | 674 | 670 | 666 | 664 | 668 | 657 | 662 | 674 | 672 | 679 | 678 | 671 | 683 | 683 | 662 | 665 | 675 | | | |
| | 24 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total | 8036 | 8035 | 7992 | 7991 | 8009 | 7928 | 7933 | 7995 | 7943 | 8044 | 8094 | 8093 | 8083 | 8075 | 8080 | 8113 | 8041 | 8003 | 7987 | 7960 | 7941 | 7999 | 8018 | 8122 | 8151 | 8109 | 8159 | 8223 | 8074 | 7928 | 8144 | | | | |
| Daily Mean | 669.7 | 669.6 | 666.0 | 665.9 | 667.4 | 660.7 | 661.1 | 666.3 | 661.9 | 670.3 | 674.5 | 674.4 | 673.6 | 672.9 | 673.3 | 676.1 | 670.1 | 666.9 | 665.6 | 663.3 | 661.7 | 666.6 | 668.2 | 676.8 | 679.3 | 675.7 | 679.9 | 685.3 | 668.7 | 660.7 | 678.7 | | | | |

COSMIC RAY RECORDS

TABLE 14

Station *Mawson*
 Year *1961*
 Month *February*

Telescope No. *2*
 Zenith Angle *45°*
 Absorber *10 cm Pb*

Geometry $(l \times l) \times 1.5 \text{ m}$
 Scale Factor *64*
 Azimuth *Geomagnetic EAST*

TABULATED Hourly Count Totals

| Hour GMT | 01 | 02 | 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 |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-------|-------|-------|-----|-----|-------|-------|-----|-----|-----|
| 01 | 678 | 676 | 664 | 654 | 667 | 667 | 664 | 653 | 658 | 659 | 659 | 664 | 659 | 664 | 664 | 667 | RF | 670 | 674 | 684 | 674 | 676 | RF | 657 | 664 | 670 | 684 | RF |
| 02 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 03 | 674 | 667 | 662 | 653 | 665 | 668 | 663 | 665 | 657 | 664 | 670 | 664 | 664 | 669 | 671 | 674 | | 669 | 676 | 680 | 677 | 671 | | 663 | 656 | 673 | RF | |
| 04 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 05 | 668 | 664 | 663 | 663 | 662 | 662 | 666 | 661 | 664 | 660 | 661 | 664 | 663 | 672 | 667 | 676 | 667 | 677 | 680 | 682 | 670 | 665 | | 660 | 657 | 665 | 681 | |
| 06 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 07 | 671 | 669 | 662 | 656 | 662 | 670 | 668 | 663 | 656 | 664 | 665 | 665 | 665 | 673 | 663 | 677 | 661 | 680 | 679 | 678 | 675 | RF | | 663 | 660 | 668 | RF | 679 |
| 08 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 09 | 676 | 671 | 664 | 662 | 661 | 664 | 673 | 667 | 664 | 665 | 664 | 666 | 668 | 666 | 675 | 677 | 667 | 684 | 683 | 677 | 674 | | 664 | 657 | 674 | 688 | 674 | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | 668 | 673 | 669 | 661 | 664 | 672 | 668 | 662 | 666 | 662 | 671 | 672 | 675 | 672 | 669 | 679 | 670 | 682 | 683 | 681 | 673 | | 663 | 654 | 680 | 686 | 677 | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | 668 | 670 | 661 | 661 | 658 | 667 | 661 | 670 | 668 | 668 | 674 | 668 | 673 | 674 | 675 | 678 | 669 | 682 | 683 | 683 | 678 | | 661 | 656 | 680 | 678 | 678 | |
| 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | 667 | 664 | 656 | 652 | 663 | 667 | 657 | 665 | 672 | 666 | 667 | 665 | 673 | 670 | 670 | 672 | 668 | 683 | 687 | 682 | 676 | | 649 | 663 | 656 | 674 | 677 | 670 |
| 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | 668 | 671 | 662 | 658 | 664 | 663 | 660 | 663 | 667 | 665 | 667 | 671 | 665 | 667 | 669 | 672 | 665 | 680 | 690 | 681 | 669 | | 653 | 654 | 665 | 668 | 669 | 668 |
| 18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | 666 | 664 | 657 | 658 | 662 | 666 | 658 | 663 | 666 | 663 | 668 | 670 | 670 | 675 | 670 | 669 | 666 | 681 | 679 | 684 | 675 | | 649 | 664 | 663 | RF | RF | 670 |
| 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | 674 | 663 | 648 | 658 | 666 | 668 | 658 | 659 | 661 | 667 | 665 | 670 | 671 | 667 | 667 | 664 | 661 | 678 | 683 | 683 | 682 | | 660 | 663 | 662 | | 666 | |
| 22 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23 | 672 | 667 | 653 | 665 | 665 | 664 | 661 | 662 | 658 | 663 | 664 | 668 | 666 | 661 | 666 | 656 | 661 | 677 | 679 | 687 | 679 | | 664 | 660 | 665 | 679 | 666 | |
| 24 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total | 8050 | 8019 | 7921 | 7901 | 7959 | 7998 | 7957 | 7953 | 7957 | 7959 | 7989 | 8013 | 8012 | 8030 | 8026 | 8061 | | 8143 | 8176 | 8182 | 8102 | | | 7935 | 7915 | | | |
| Daily Mean | 670.8 | 668.3 | 660.1 | 658.4 | 663.3 | 666.5 | 663.1 | 662.7 | 663.1 | 663.3 | 665.7 | 667.7 | 667.7 | 669.2 | 668.8 | 671.7 | | 678.6 | 681.3 | 681.8 | 675.2 | | | 661.3 | 659.6 | | | |

TABLE 15

COSMIC RAY RECORDS

Station *Mawson*
 Year *1961*
 Month *March*

Telescope No. *2*
 Zenith Angle *45°*
 Absorber *10 cm Pb*

Geometry $(I \times I) \times 1.5 m$
 Scale Factor *64*
 Azimuth Geomagnetic EAST

TABULATED Hourly Count Totals

| Hour GMT | 01 | 02 | 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 | |
|----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| 01 | 668 | 658 | 673 | 680 | 675 | 665 | 684 | 684 | 682 | 686 | 691 | 681 | 679 | 674 | 670 | 661 | 678 | 684 | 673 | 683 | 688 | 693 | 682 | 685 | 672 | 673 | 685 | 679 | 692 | 702 | RF | |
| 02 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 03 | 675 | 665 | 672 | 680 | 672 | 668 | 684 | 688 | 688 | 678 | 693 | 676 | 675 | 673 | 678 | 663 | 675 | 682 | 670 | 682 | 688 | 693 | 688 | 678 | 679 | 679 | 674 | 681 | 693 | 691 | 684 | |
| 04 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 05 | 666 | 663 | 672 | 672 | 668 | 676 | 692 | 687 | 684 | 684 | 695 | 680 | 676 | 673 | 670 | 663 | 673 | 683 | 671 | 685 | 688 | 694 | 691 | 681 | 674 | 678 | 682 | 685 | 691 | 688 | 682 | |
| 06 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 07 | 665 | 668 | 678 | 676 | 664 | 675 | 687 | 677 | 682 | 694 | 697 | 682 | 676 | 678 | 667 | 664 | 687 | 684 | 672 | 678 | 690 | 689 | 690 | 677 | 677 | 677 | 681 | 685 | 693 | 687 | 676 | |
| 08 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 09 | 664 | 661 | 679 | 677 | 670 | 671 | 690 | 685 | 694 | 696 | 694 | 683 | 686 | 680 | 672 | 665 | 688 | 692 | 679 | 684 | 693 | 687 | 696 | 683 | 676 | 687 | 679 | 686 | 691 | 682 | 677 | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | 665 | 664 | 675 | 673 | 669 | 679 | 685 | 691 | 688 | 693 | 700 | 686 | 676 | 679 | 666 | 669 | 688 | 688 | 679 | 682 | 689 | 689 | 688 | 677 | 672 | 678 | 680 | 691 | 698 | 681 | 680 | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | 670 | 668 | 673 | 669 | 661 | 680 | 688 | 684 | 691 | 692 | 693 | 681 | 679 | 677 | 669 | 669 | 684 | 684 | 675 | 690 | 693 | 689 | 687 | 676 | 670 | 679 | 683 | 686 | 695 | 683 | 689 | |
| 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | 670 | 668 | 675 | 668 | 663 | 671 | 684 | 682 | 689 | 695 | 694 | 684 | 683 | 684 | 670 | 668 | 683 | 677 | 678 | 685 | 689 | 689 | 682 | 677 | 671 | 681 | 682 | 689 | 702 | 682 | 688 | |
| 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | 666 | 669 | 681 | 669 | 660 | 670 | 688 | 682 | 680 | 693 | 688 | 683 | 681 | 677 | 666 | 674 | 690 | 680 | 683 | 685 | 685 | 699 | 685 | 674 | 678 | 683 | 680 | 690 | 701 | 686 | 677 | |
| 18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | 662 | 672 | 682 | 671 | 661 | 668 | 685 | 683 | 682 | 692 | 687 | 674 | 676 | 675 | 668 | 675 | 681 | 678 | 677 | 689 | 688 | 687 | 680 | 675 | 681 | 683 | 678 | 685 | 701 | RF | 676 | |
| 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | 660 | 667 | 673 | 670 | 660 | 680 | 686 | 686 | 687 | 688 | 686 | 674 | 678 | 669 | 663 | 670 | 690 | 679 | 681 | 687 | 690 | 694 | 682 | 680 | 684 | 688 | 677 | 697 | 695 | 679 | 679 | |
| 22 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23 | 662 | 676 | 677 | 667 | 670 | 683 | 690 | 683 | 680 | 688 | 686 | 667 | 678 | 670 | 661 | 674 | 684 | 679 | 687 | 686 | 692 | 689 | 684 | 673 | 681 | 690 | 691 | 691 | 697 | 679 | 679 | |
| 24 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Total 7993 7999 8110 8072 7993 8086 8243 8212 8227 8279 8304 8151 8143 8109 8020 8015 8201 8190 8125 8216 8287 8292 8235 8136 8115 8176 8172 8245 8349

Daily Mean 666.1 666.6 675.8 672.7 666.1 673.8 686.9 684.3 685.6 689.9 692.0 670.3 678.6 675.7 668.3 667.9 683.4 682.5 677.1 684.7 690.6 691.0 686.3 678.0 676.3 681.3 681.0 687.1 695.7

COSMIC RAY RECORDS

TABLE 16

TABULATED Hourly Count Totals

Geometry $(l \times l) \times 1.5$ m
Scale Factor 64
Azimuth Geomagnetic EAST

Telescope No. 2
Zenith Angle 45°
Absorber 10 cm Pb

Station Mawson
Year 1961
Month April

| Hour GMT | Date | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-----|-----|
| | 01 | 02 | 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 |
| 01 | 682 | 685 | 671 | 676 | 683 | 689 | 684 | 681 | 666 | 675 | 664 | 670 | 674 | 677 | 671 | 673 | 662 | 662 | 673 | 686 | 697 | 681 | 675 | 685 | 699 | 697 | 688 | 694 | 704 | RF |
| 02 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 03 | 685 | 686 | 670 | 671 | 682 | 687 | 684 | 681 | 672 | 672 | 664 | 670 | 684 | 673 | 680 | 674 | 662 | 662 | 676 | 686 | 693 | 678 | 676 | 685 | 700 | 699 | 693 | 687 | 701 | |
| 04 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 05 | 678 | 684 | 666 | 678 | 688 | 694 | 686 | 689 | 674 | 667 | 666 | 673 | 680 | 672 | 673 | 665 | 655 | 667 | 677 | 682 | 694 | 675 | 675 | 683 | 709 | 698 | 690 | 688 | RF | |
| 06 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 07 | 679 | 680 | 672 | 679 | 687 | 695 | 684 | 681 | 680 | 668 | 674 | 686 | 673 | 674 | 676 | 663 | 656 | 673 | 687 | 687 | 694 | 672 | 682 | 684 | 706 | 698 | 694 | 689 | | |
| 08 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 09 | 679 | 686 | 672 | 683 | 694 | 691 | 690 | 684 | 680 | 666 | 665 | 671 | 685 | 671 | 681 | 674 | 658 | 670 | 678 | 677 | 686 | 673 | 682 | 696 | 704 | 705 | 695 | 697 | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | 678 | 681 | 672 | 676 | 690 | 693 | 689 | 682 | 673 | 672 | 672 | 673 | 685 | 676 | 678 | 672 | 661 | 667 | 676 | 688 | 692 | 665 | 681 | 693 | 707 | 697 | 698 | 696 | 700 | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | 683 | 684 | 671 | 686 | 689 | 693 | 687 | 688 | 679 | 671 | 670 | RF | 683 | 674 | 680 | 675 | 660 | 666 | 677 | 678 | 687 | 670 | 685 | 691 | 702 | 694 | 694 | 698 | 699 | |
| 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | 672 | 680 | 671 | 683 | 691 | 693 | 691 | 684 | 681 | 667 | 668 | | 682 | 676 | 678 | 673 | 662 | 665 | 679 | 685 | 690 | 673 | 677 | 695 | 707 | 699 | 689 | 703 | 705 | 699 |
| 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | 686 | 680 | 665 | 682 | 692 | 694 | 693 | 685 | 676 | 670 | 674 | 673 | 684 | 671 | 682 | 667 | 650 | 667 | 678 | 689 | 683 | 669 | 688 | 694 | 707 | 691 | 689 | 701 | 702 | 696 |
| 18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | 680 | 678 | 662 | 679 | 687 | 682 | 680 | 679 | 669 | 666 | 673 | 674 | 687 | 666 | 679 | 657 | 662 | 667 | 674 | 686 | 685 | 665 | 686 | 698 | 704 | 695 | 689 | 705 | 699 | 699 |
| 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | 680 | 681 | 661 | 677 | 688 | 688 | 684 | 682 | 677 | 667 | 670 | 673 | 682 | 676 | 669 | 657 | 659 | 671 | 678 | 695 | 682 | 675 | 681 | 705 | 699 | 694 | 690 | 708 | 703 | 700 |
| 22 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23 | 680 | 681 | 670 | 678 | 688 | 691 | 680 | 677 | 674 | 662 | 674 | 676 | 673 | 670 | 678 | 663 | 662 | 673 | 682 | 690 | 684 | 673 | 686 | 699 | 702 | 702 | 692 | 706 | 698 | |
| 24 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total | 8162 | 8186 | 8023 | 8148 | 8259 | 8290 | 8232 | 8193 | 8101 | 8073 | 8028 | 8185 | 8075 | 8172 | 8026 | 7916 | 7993 | 8121 | 8229 | 8267 | 8069 | 8174 | 8308 | 8446 | 8369 | 8301 | 8368 | | | |
| Daily Mean | 680.2 | 682.2 | 668.6 | 679.0 | 688.3 | 690.8 | 686.0 | 682.7 | 675.1 | 686.6 | 669.0 | 682.1 | 672.9 | 676.8 | 668.8 | 659.7 | 666.1 | 676.7 | 685.7 | 688.9 | 672.4 | 681.2 | 692.3 | 703.8 | 697.4 | 691.7 | 697.3 | | | |

COSMIC RAY RECORDS

Station *Mawson*
 Year *1961*
 Month *May*

Telescope No. *2*
 Zenith Angle *45°*
 Absorber *10 cm Pb*

Geometry $(l \times f) \times 1.5 m$
 Scale Factor *64*
 Azimuth *Geomagnetic EAST*

TABULATED Hourly Count Totals

TABLE 17

| Hour | Date | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|--|
| GMT | 01 | 02 | 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 | |
| 01 | 692 | 697 | 692 | 703 | 696 | 704 | 707 | 693 | 705 | 693 | 690 | 693 | 698 | 692 | 702 | 701 | 695 | 689 | 699 | 696 | 703 | 701 | 688 | 683 | 684 | 682 | 674 | 676 | 683 | 680 | 685 | |
| 02 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 03 | 697 | 695 | 696 | 705 | 702 | 701 | 703 | 697 | 706 | 692 | 688 | 697 | 701 | 685 | 697 | 693 | 689 | 688 | 695 | 687 | 701 | 699 | 686 | 685 | 682 | 681 | 671 | 676 | 681 | 682 | 686 | |
| 04 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 05 | 704 | 691 | 703 | 700 | 701 | 702 | 704 | 693 | 699 | 691 | 691 | 703 | 696 | 687 | 703 | 696 | 693 | 695 | 696 | 687 | 702 | 699 | 687 | 684 | 685 | 675 | 671 | 675 | 680 | 679 | 685 | |
| 06 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 07 | 703 | 693 | 699 | 704 | 702 | 701 | 699 | 702 | 701 | 698 | 696 | 703 | 692 | 683 | 704 | 696 | 695 | 694 | 700 | 690 | 698 | 705 | 688 | 677 | 685 | 675 | 665 | 669 | 679 | 690 | 689 | |
| 08 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 09 | 699 | 701 | 701 | 705 | 707 | 703 | 699 | 700 | 698 | 695 | 694 | 701 | 694 | 693 | 703 | 699 | 693 | 688 | 705 | 690 | 707 | 701 | 682 | 688 | 684 | 678 | 678 | 677 | 679 | 690 | 677 | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | 699 | 693 | 710 | 698 | 707 | 702 | 703 | 702 | 700 | 699 | 691 | 697 | 693 | 695 | 706 | 694 | 695 | 695 | 708 | 694 | 706 | 702 | 687 | 687 | 685 | 677 | 676 | 677 | 677 | 693 | 686 | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | 702 | 703 | 710 | 698 | 703 | 702 | 703 | 705 | 694 | 693 | 694 | 701 | 700 | 694 | 705 | 692 | 699 | 698 | 697 | 692 | 708 | 705 | 686 | 682 | 685 | 674 | 672 | 679 | 678 | 686 | 683 | |
| 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | 702 | 689 | 710 | 697 | 708 | 701 | 700 | 703 | 699 | 691 | 693 | 703 | 692 | 695 | 700 | 698 | 697 | 699 | 708 | 692 | 707 | 704 | 681 | 686 | 689 | 675 | 675 | 683 | 678 | 694 | 691 | |
| 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | 697 | 697 | 712 | 705 | 707 | 700 | 695 | 706 | 698 | 690 | 698 | 699 | 688 | 706 | 698 | 694 | 693 | 699 | 693 | 697 | 706 | 702 | 684 | 688 | 680 | 677 | 682 | 677 | 678 | 695 | 685 | |
| 18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | 698 | 699 | 716 | 700 | 713 | 702 | 701 | 705 | 701 | 693 | 697 | 699 | 691 | 694 | 701 | 697 | 691 | 698 | 708 | 701 | 706 | 699 | 682 | 689 | 685 | 676 | 672 | 683 | 678 | 688 | 694 | |
| 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | 699 | 697 | 717 | 696 | 711 | 704 | 696 | 701 | 694 | 694 | 695 | 697 | 688 | 696 | 701 | 694 | 699 | 695 | 701 | 702 | 709 | 691 | 683 | 685 | 684 | 684 | 677 | 682 | 680 | 684 | 684 | |
| 22 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23 | 699 | 705 | 707 | 703 | 704 | 702 | 703 | 705 | 696 | 691 | 697 | 698 | 684 | 704 | 703 | 691 | 697 | 694 | 704 | 700 | 706 | 699 | 684 | 690 | 681 | 672 | 678 | 682 | 685 | 683 | 677 | |
| 24 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total | 8391 | 8360 | 8473 | 8414 | 8461 | 8424 | 8413 | 8412 | 8391 | 8320 | 8324 | 8391 | 8317 | 8324 | 8423 | 8345 | 8336 | 8332 | 8414 | 8328 | 8459 | 8407 | 8218 | 8224 | 8209 | 8126 | 8091 | 8136 | 8156 | 8244 | 8222 | |
| Daily Mean | 699.3 | 696.7 | 706.1 | 701.2 | 705.1 | 702.0 | 701.1 | 701.0 | 699.3 | 693.3 | 693.7 | 699.3 | 693.1 | 693.7 | 701.9 | 695.4 | 694.7 | 694.3 | 701.2 | 694.0 | 704.9 | 700.6 | 684.8 | 685.3 | 684.1 | 677.2 | 674.3 | 678.0 | 679.7 | 685.2 | | |

COSMIC RAY RECORDS

TABLE 18

Station *Mawson*
 Year *1961*
 Month *June*

Telescope No. *2*
 Zenith Angle *45°*
 Absorber *10 cm Pb*

Geometry $(l \times l) \times l.5 m$
 Scale Factor *64*

Azimuth *Geomagnetic EAST*

TABLATED Hourly Count Totals

| Date Hour GMT | Date | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|
| | 01 | 02 | 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 |
| 01 | 681 | 683 | 693 | 706 | 684 | 657 | 651 | 655 | 667 | 671 | 683 | 689 | 687 | 699 | 701 | 704 | 702 | 692 | 701 | 693 | 693 | 688 | 710 | 688 | 691 | 700 | 700 | 693 | 685 | 705 |
| 02 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 03 | 679 | 684 | 691 | 702 | 677 | 652 | 652 | 658 | 667 | 669 | 685 | 690 | 688 | 696 | 699 | 708 | 695 | 699 | 701 | 698 | 688 | 697 | 704 | 688 | 685 | 700 | 700 | 690 | 691 | 700 |
| 04 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 05 | 679 | 690 | 693 | 706 | 676 | 659 | 652 | 659 | 662 | 676 | 681 | 688 | 691 | 691 | 697 | 704 | 701 | 698 | 699 | 695 | 689 | 696 | 701 | 678 | 685 | RF | 698 | 684 | 697 | 709 |
| 06 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 07 | 685 | 685 | 700 | 705 | 674 | 658 | 651 | 661 | 667 | 675 | 685 | 690 | 689 | 697 | 691 | 701 | 704 | 700 | 704 | 701 | 691 | 697 | 700 | 687 | 684 | 701 | 695 | 690 | 707 | 707 |
| 08 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 09 | 680 | 690 | 703 | 705 | 675 | 658 | 660 | 663 | 667 | 678 | 687 | 694 | 694 | 702 | 701 | 703 | 698 | 699 | 702 | 695 | 689 | 707 | 704 | 685 | 694 | 696 | 697 | 686 | 706 | 704 |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | 687 | 698 | 706 | 700 | 670 | 661 | 656 | 670 | 666 | 672 | 669 | 694 | 692 | 702 | 709 | 702 | 701 | 709 | 699 | 704 | 689 | 702 | 699 | 683 | 688 | 703 | 699 | 684 | 703 | 704 |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | 685 | 692 | 704 | 701 | 669 | 661 | 661 | 667 | 673 | 674 | 687 | 698 | 691 | 705 | 694 | 706 | 703 | 713 | 699 | 704 | 691 | 703 | 692 | 690 | 691 | 710 | 702 | 686 | 701 | 702 |
| 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | 695 | 694 | 709 | 699 | 666 | 655 | 655 | 666 | 671 | 676 | 692 | 690 | 688 | 700 | 703 | 708 | 698 | 702 | 700 | 699 | 691 | 702 | 699 | 691 | 692 | 704 | 702 | 691 | 703 | 713 |
| 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | 678 | 694 | 710 | 699 | 659 | 658 | 659 | 659 | 666 | 678 | 689 | 692 | 696 | 709 | 708 | 702 | 702 | 697 | 702 | 698 | 690 | 709 | 694 | 690 | 697 | 702 | 698 | 682 | 703 | 712 |
| 18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | 683 | 687 | 702 | 694 | 662 | 660 | 657 | 665 | 672 | 683 | 687 | 694 | 695 | 700 | 703 | 708 | 703 | 708 | 701 | 693 | 691 | 704 | 698 | 689 | 694 | 708 | 704 | 684 | 703 | 715 |
| 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | 689 | 691 | 709 | 697 | 658 | 652 | 653 | 662 | 677 | 679 | 685 | 685 | 693 | 707 | 708 | 700 | 700 | 704 | 706 | 702 | 695 | 705 | 691 | 687 | 685 | 706 | 02 | 691 | 706 | 706 |
| 22 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23 | 683 | 699 | 711 | 689 | 654 | 648 | 656 | 665 | 675 | 683 | 689 | 684 | 699 | 703 | 708 | 698 | 702 | 702 | 697 | 693 | 695 | 704 | 694 | 682 | 697 | 706 | 694 | 686 | 699 | 713 |
| 24 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total | 8204 | 8287 | 8431 | 8403 | 8024 | 7879 | 7863 | 7950 | 8030 | 8114 | 8239 | 8288 | 8303 | 8411 | 8422 | 8444 | 8409 | 8423 | 8411 | 8375 | 8292 | 8414 | 8386 | 8238 | 8283 | 8391 | 8247 | 8404 | 8490 | |
| Daily Mean | 683.7 | 690.6 | 702.6 | 700.3 | 668.7 | 656.6 | 655.3 | 662.5 | 669.2 | 676.2 | 686.6 | 690.7 | 691.9 | 700.9 | 701.8 | 703.7 | 700.7 | 701.9 | 700.9 | 697.9 | 691.0 | 701.2 | 698.8 | 686.5 | 690.3 | 699.3 | 687.3 | 700.3 | 707.5 | |

COSMIC RAY RECORDS

Station Mawson
Year 1961
Month August

Telescope No. 2
Zenith Angle 45°
Absorber 10 cm Pb

Geometry (l × l) × 1.5 m
Scale Factor 64
Azimuth Geomagnetic EAST

TABLE 20
TABULATED Hourly Count Totals

| Hour GMT | 01 | 02 | 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 | | |
|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|--|--|
| 01 | 703 | 715 | 705 | 699 | 695 | 697 | 699 | 707 | 711 | 715 | 704 | 702 | 707 | 696 | RF | RF | 722 | 730 | 713 | 721 | 712 | 709 | 698 | 704 | 700 | 703 | 728 | 728 | 713 | 698 | 677 | | |
| 02 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 03 | 703 | 712 | 698 | 704 | 703 | 699 | 705 | 706 | 708 | 718 | 697 | 706 | 715 | 702 | | | 728 | 723 | 716 | 720 | 716 | 709 | 690 | 698 | 700 | 705 | 731 | 731 | 720 | 697 | 668 | | |
| 04 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 05 | 704 | 713 | 707 | 699 | 701 | 692 | 701 | 703 | 712 | 714 | 702 | 710 | 714 | 700 | | | 724 | 722 | 720 | 716 | 710 | 707 | 702 | 705 | 702 | 710 | 726 | 731 | 716 | 702 | 668 | | |
| 06 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 07 | 700 | 717 | 706 | 698 | 701 | 700 | 699 | 713 | 706 | 717 | 700 | 716 | 713 | 696 | | | 725 | 720 | 722 | 708 | 713 | 709 | 699 | 701 | 703 | 719 | 733 | 733 | 714 | 699 | 672 | | |
| 08 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 09 | 701 | 709 | 701 | 706 | 701 | 704 | 705 | 710 | 713 | 719 | 704 | 711 | 715 | 697 | | | 728 | 713 | 722 | 712 | 705 | 703 | 705 | 705 | 698 | 726 | 734 | 730 | 719 | 701 | 670 | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | 703 | 712 | 711 | 699 | 702 | 701 | 709 | 707 | 714 | 713 | 701 | 715 | 713 | 699 | | | 727 | 722 | 719 | 713 | 719 | 716 | 703 | 706 | 705 | 723 | 737 | 730 | 708 | 693 | 664 | | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | 706 | 707 | 705 | 701 | 705 | 708 | 705 | 714 | 720 | 724 | 698 | 724 | 710 | RF | | | 737 | 719 | 716 | 717 | 718 | 707 | 698 | 707 | 701 | 721 | 737 | 739 | 711 | 683 | 665 | | |
| 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | 709 | 709 | 709 | 698 | 697 | 699 | 711 | 712 | 716 | 714 | 705 | 721 | 715 | | | 728 | 723 | 725 | 717 | 714 | 710 | 703 | 704 | 702 | 718 | 736 | 727 | 706 | 682 | 666 | | | |
| 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | 711 | 710 | 703 | 704 | 701 | 703 | 708 | 707 | 716 | 721 | 701 | 721 | 703 | | | 725 | 722 | 718 | 722 | 713 | 712 | 701 | 705 | 705 | 723 | 727 | 730 | 711 | 684 | 664 | | | |
| 18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | 713 | 713 | 704 | 700 | 695 | 701 | 707 | 706 | 715 | 721 | 709 | 720 | 707 | | | 726 | 726 | 714 | 717 | 715 | 711 | 707 | 708 | 700 | 699 | 720 | 734 | 729 | 705 | 684 | 659 | | |
| 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | 724 | 701 | 703 | 698 | 699 | 696 | 702 | 712 | 718 | 719 | 707 | 717 | 701 | | | 722 | 728 | 714 | 718 | 714 | 716 | 704 | 702 | 699 | 702 | 724 | 731 | 723 | 704 | 676 | 668 | | |
| 22 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23 | 716 | 699 | 704 | 703 | 703 | 703 | 706 | 709 | 713 | 713 | 707 | 716 | 705 | | | 717 | 721 | 712 | 724 | 715 | 709 | 701 | 702 | 698 | 699 | 726 | 733 | 715 | 697 | 675 | 666 | | |
| 24 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total | 8493 | 8517 | 8456 | 8409 | 8403 | 8403 | 8457 | 8506 | 8562 | 8608 | 8435 | 8579 | 8518 | | | 8719 | 8634 | 8627 | 8590 | 8556 | 8494 | 8411 | 8432 | 8416 | 8615 | 8787 | 8746 | 8524 | 8274 | 8007 | | | |
| Daily Mean | 707.7 | 709.7 | 704.7 | 700.7 | 700.3 | 700.3 | 704.7 | 708.8 | 713.5 | 717.3 | 702.9 | 714.9 | 709.8 | | | 726.6 | 719.5 | 718.9 | 715.8 | 713.0 | 707.8 | 700.9 | 702.7 | 701.3 | 718.2 | 732.3 | 728.8 | 710.3 | 689.5 | 667.3 | | | |

TABLE 21

COSMIC RAY RECORDS

Station *Mawson*
 Year *1961*
 Month *September*

Telescope No. *2*
 Zenith Angle *45°*
 Absorber *10 cm Pb*

Geometry $(1 \times 1) \times 1.5 \text{ m}$
 Scale Factor *64*
 Azimuth *Geomagnetic EAST*

TABULATED Hourly Count Totals

| Date | 01 | 02 | 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 |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Hour GMT | 662 | 675 | 693 | 706 | 711 | 704 | 693 | 672 | 684 | 674 | 673 | 670 | 673 | 685 | 696 | 703 | 702 | 697 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 |
| 01 | 662 | 675 | 693 | 706 | 711 | 704 | 693 | 672 | 684 | 674 | 673 | 670 | 673 | 685 | 696 | 703 | 702 | 697 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 |
| 02 | 669 | 680 | 699 | 703 | 717 | 706 | 697 | 686 | 685 | 683 | 696 | 680 | 678 | 679 | 685 | 697 | 691 | 702 | 694 | 695 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 |
| 03 | 669 | 680 | 699 | 703 | 717 | 706 | 697 | 686 | 685 | 683 | 696 | 680 | 678 | 679 | 685 | 697 | 691 | 702 | 694 | 695 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 |
| 04 | 673 | 673 | 700 | 706 | 705 | 701 | 696 | 687 | 680 | 690 | 686 | 681 | 669 | 681 | 687 | 689 | 699 | 704 | 701 | 691 | 702 | 711 | 712 | 710 | 695 | 718 | 707 | 726 | 727 | 696 |
| 05 | 673 | 673 | 700 | 706 | 705 | 701 | 696 | 687 | 680 | 690 | 686 | 681 | 669 | 681 | 687 | 689 | 699 | 704 | 701 | 691 | 702 | 711 | 712 | 710 | 695 | 718 | 707 | 726 | 727 | 696 |
| 06 | 660 | 683 | 703 | 708 | 706 | 702 | 698 | 693 | 681 | 681 | 685 | 677 | 672 | 681 | 691 | 691 | 700 | 703 | 701 | 697 | 703 | 708 | 716 | 707 | 699 | 717 | 709 | 732 | 718 | 696 |
| 07 | 660 | 683 | 703 | 708 | 706 | 702 | 698 | 693 | 681 | 681 | 685 | 677 | 672 | 681 | 691 | 691 | 700 | 703 | 701 | 697 | 703 | 708 | 716 | 707 | 699 | 717 | 709 | 732 | 718 | 696 |
| 08 | 666 | 680 | 705 | 704 | 701 | 698 | 698 | 688 | 679 | 687 | 690 | 677 | 677 | 684 | 686 | 696 | 700 | 703 | 706 | 699 | 704 | 711 | 718 | 708 | 708 | 723 | 708 | 728 | 722 | 696 |
| 09 | 666 | 680 | 705 | 704 | 701 | 698 | 698 | 688 | 679 | 687 | 690 | 677 | 677 | 684 | 686 | 696 | 700 | 703 | 706 | 699 | 704 | 711 | 718 | 708 | 708 | 723 | 708 | 728 | 722 | 696 |
| 10 | 668 | 680 | 704 | 715 | 705 | 703 | 698 | 684 | 682 | 690 | 683 | 685 | 684 | 685 | 688 | 699 | 696 | 707 | 698 | 700 | 700 | 715 | 726 | 706 | 695 | 720 | 707 | 725 | 716 | 693 |
| 11 | 668 | 680 | 704 | 715 | 705 | 703 | 698 | 684 | 682 | 690 | 683 | 685 | 684 | 685 | 688 | 699 | 696 | 707 | 698 | 700 | 700 | 715 | 726 | 706 | 695 | 720 | 707 | 725 | 716 | 693 |
| 12 | 672 | 693 | 707 | 713 | 709 | 705 | 700 | 685 | 686 | 689 | 687 | 685 | 683 | 689 | 696 | 692 | 707 | 712 | 704 | 702 | 708 | 710 | 716 | 704 | 703 | 718 | 708 | 738 | 711 | 690 |
| 13 | 672 | 693 | 707 | 713 | 709 | 705 | 700 | 685 | 686 | 689 | 687 | 685 | 683 | 689 | 696 | 692 | 707 | 712 | 704 | 702 | 708 | 710 | 716 | 704 | 703 | 718 | 708 | 738 | 711 | 690 |
| 14 | 671 | 684 | 707 | 706 | 711 | 700 | 693 | 685 | 686 | 691 | 683 | 680 | 673 | 685 | 696 | 697 | 704 | 710 | 706 | 697 | 705 | 713 | 714 | 701 | 711 | 722 | 701 | 729 | 715 | 692 |
| 15 | 671 | 684 | 707 | 706 | 711 | 700 | 693 | 685 | 686 | 691 | 683 | 680 | 673 | 685 | 696 | 697 | 704 | 710 | 706 | 697 | 705 | 713 | 714 | 701 | 711 | 722 | 701 | 729 | 715 | 692 |
| 16 | 667 | 689 | 703 | 708 | 707 | 705 | 688 | 686 | 685 | 688 | 686 | 683 | 681 | 684 | 699 | 698 | 710 | 716 | 705 | 704 | 700 | 715 | 717 | 700 | 715 | 711 | 711 | 742 | 710 | 692 |
| 17 | 667 | 689 | 703 | 708 | 707 | 705 | 688 | 686 | 685 | 688 | 686 | 683 | 681 | 684 | 699 | 698 | 710 | 716 | 705 | 704 | 700 | 715 | 717 | 700 | 715 | 711 | 711 | 742 | 710 | 692 |
| 18 | 667 | 689 | 703 | 708 | 707 | 705 | 688 | 686 | 685 | 688 | 686 | 683 | 681 | 684 | 699 | 698 | 710 | 716 | 705 | 704 | 700 | 715 | 717 | 700 | 715 | 711 | 711 | 742 | 710 | 692 |
| 19 | 673 | 692 | 707 | 712 | 704 | 699 | 693 | 680 | 682 | 695 | 685 | 680 | 684 | 691 | 688 | 706 | 709 | 705 | 697 | 700 | 700 | 714 | 717 | 696 | 715 | 713 | 701 | 739 | 705 | 686 |
| 20 | 673 | 692 | 707 | 712 | 704 | 699 | 693 | 680 | 682 | 695 | 685 | 680 | 684 | 691 | 688 | 706 | 709 | 705 | 697 | 700 | 700 | 714 | 717 | 696 | 715 | 713 | 701 | 739 | 705 | 686 |
| 21 | 670 | 703 | 706 | 705 | 706 | 697 | 689 | 675 | 686 | 695 | 684 | 679 | 685 | 689 | 689 | 695 | 710 | 703 | 697 | 690 | 701 | 713 | 708 | 699 | 713 | 710 | 704 | 739 | 703 | 692 |
| 22 | 670 | 703 | 706 | 705 | 706 | 697 | 689 | 675 | 686 | 695 | 684 | 679 | 685 | 689 | 689 | 695 | 710 | 703 | 697 | 690 | 701 | 713 | 708 | 699 | 713 | 710 | 704 | 739 | 703 | 692 |
| 23 | 677 | 695 | 712 | 706 | 704 | 698 | 686 | 681 | 690 | 691 | 684 | 674 | 677 | 683 | 690 | 692 | 711 | 698 | 691 | 696 | 694 | 706 | 714 | 693 | 723 | 715 | 715 | 728 | 706 | 684 |
| 24 | 677 | 695 | 712 | 706 | 704 | 698 | 686 | 681 | 690 | 691 | 684 | 674 | 677 | 683 | 690 | 692 | 711 | 698 | 691 | 696 | 694 | 706 | 714 | 693 | 723 | 715 | 715 | 728 | 706 | 684 |
| Total | 8028 | 8227 | 8452 | 8492 | 8486 | 8418 | 8329 | 8222 | 8206 | 8274 | 8233 | 8159 | 8133 | 8204 | 8284 | 8327 | 8433 | 8466 | 8402 | 8368 | 8414 | 8513 | 8583 | 8443 | 8460 | 8607 | 8493 | 8749 | 8592 | 8317 |
| Daily Mean | 669.0 | 685.6 | 704.3 | 707.7 | 707.2 | 701.5 | 694.1 | 685.2 | 683.8 | 689.5 | 686.1 | 679.9 | 677.7 | 683.7 | 693.3 | 693.9 | 702.5 | 705.5 | 700.2 | 697.3 | 701.2 | 709.4 | 715.3 | 703.6 | 705.0 | 717.3 | 707.7 | 732.4 | 716.0 | 693.1 |

COSMIC RAY RECORDS

Station Mowson
Year 1961
Month October

Telescope No. 2
Zenith Angle 45°
Absorber 10 cm Pb

TABLE 22
TABULATED Hourly Count Totals

| Date | 01 | 02 | 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 |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 01 | 680 | 698 | 715 | 709 | 692 | 689 | 701 | 691 | 693 | 692 | 696 | 694 | 704 | 691 | 702 | 697 | 694 | 710 | 715 | 714 | 715 | 714 | 712 | 711 | 705 | 706 | 701 | 690 | 700 | 696 | 702 |
| 02 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 03 | 677 | 703 | 718 | 703 | 681 | 690 | 693 | 696 | 698 | 696 | 694 | 691 | 700 | 694 | 706 | 693 | 696 | 712 | 713 | 715 | 714 | 713 | 707 | 715 | 700 | 699 | 698 | 690 | 702 | 701 | 706 |
| 04 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 05 | 677 | 700 | 715 | 697 | 682 | 681 | 687 | 694 | 698 | 697 | 689 | 691 | 704 | 694 | 699 | 692 | 697 | 710 | 716 | 712 | 713 | 711 | 703 | 714 | 710 | 706 | 698 | 692 | 693 | 699 | 702 |
| 06 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 07 | 675 | 706 | 712 | 705 | 679 | 692 | 687 | 692 | 697 | 698 | 696 | 695 | 698 | 690 | 700 | 698 | 701 | 711 | 715 | 713 | 716 | 711 | 706 | 710 | 709 | 704 | 698 | 701 | 700 | 692 | 698 |
| 08 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 09 | 682 | 699 | 711 | 705 | 674 | 688 | 703 | 695 | 695 | 696 | 690 | 693 | 700 | 698 | 695 | 691 | 701 | 709 | 709 | 722 | 716 | 719 | 706 | 707 | 705 | 705 | 692 | 699 | 696 | 703 | 705 |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | 673 | 704 | 707 | 696 | 682 | 689 | 704 | 697 | 696 | 694 | 693 | 692 | 702 | 700 | 704 | 687 | 701 | 718 | 716 | 721 | 722 | 709 | 706 | 714 | 704 | 707 | 693 | 698 | 695 | 698 | 706 |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | 675 | 708 | 704 | 698 | 677 | 691 | 693 | 699 | 695 | 696 | 693 | 693 | 700 | 698 | 704 | 697 | 703 | 707 | 718 | 726 | 714 | 707 | 706 | 702 | 700 | 705 | 681 | 683 | 692 | 694 | 699 |
| 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | 685 | 711 | 699 | 697 | 677 | 692 | 690 | 697 | 703 | 697 | 685 | 696 | 702 | 705 | 702 | 695 | 695 | 717 | 718 | 723 | 715 | 709 | 707 | 711 | 702 | 702 | 685 | 689 | 698 | 702 | 698 |
| 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | 686 | 706 | 696 | 697 | 680 | 691 | 691 | 694 | 698 | 694 | 692 | 698 | 699 | 702 | 700 | 691 | 705 | 711 | 719 | 715 | 713 | 713 | 709 | 705 | 699 | 700 | 692 | 686 | 694 | 703 | 699 |
| 18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | 685 | 701 | 699 | 694 | 682 | 690 | 689 | 694 | 698 | 695 | 692 | 698 | 703 | 697 | 707 | 693 | 701 | 722 | 719 | 716 | 711 | 715 | 706 | 710 | 701 | 697 | 682 | 682 | 696 | 704 | 699 |
| 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | 687 | 708 | 708 | 696 | 683 | 695 | 700 | 696 | 698 | 693 | 688 | 705 | 698 | 707 | 705 | 693 | 705 | 715 | 713 | 714 | 716 | 706 | 710 | 704 | 702 | 697 | 689 | 689 | 697 | 704 | 704 |
| 22 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23 | 697 | 706 | 704 | 694 | 683 | 700 | 696 | 693 | 693 | 688 | 692 | 698 | 700 | 698 | 700 | 694 | 703 | 711 | 713 | 717 | 716 | 704 | 704 | 714 | 702 | 697 | 688 | 697 | 706 | 703 | 698 |
| 24 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total | 8179 | 8450 | 8488 | 8391 | 8172 | 8288 | 8334 | 8338 | 8362 | 8336 | 8300 | 8344 | 8410 | 8374 | 8424 | 8321 | 8403 | 8553 | 8584 | 8608 | 8581 | 8531 | 8482 | 8517 | 8439 | 8425 | 8297 | 8296 | 8369 | 8399 | 8416 |
| Daily Mean | 681.6 | 704.2 | 707.3 | 699.3 | 681.0 | 690.7 | 694.5 | 694.8 | 696.8 | 694.7 | 691.7 | 695.3 | 700.8 | 697.8 | 702.0 | 693.4 | 700.3 | 712.7 | 715.3 | 717.3 | 715.1 | 710.9 | 706.8 | 709.7 | 703.3 | 702.1 | 691.4 | 691.3 | 697.4 | 699.9 | 701.3 |

TABLE 23

COSMIC RAY RECORDS

Station *Mawson*
 Year *1961*
 Month *November*

Telescope No. *2*
 Zenith Angle *43°*
 Absorber *10 cm Pb*

Geometry (*l × l*) × *1.5 m*
 Scale Factor *64*
 Azimuth *Geomagnetic EAST*

TABULATED Hourly Count Totals

| Hour GMT | 01 | 02 | 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 |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-----|-----|-------|-------|-------|-------|-------|-------|-------|
| 01 | 697 | 703 | 702 | 692 | 694 | 696 | 696 | 692 | 706 | 707 | 701 | 687 | 690 | 705 | 692 | 677 | 666 | 681 | 687 | 681 | 677 | 674 | 684 | 688 | 677 | 684 | 688 | 682 | 685 | 695 |
| 02 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 03 | 699 | 696 | 704 | 698 | 693 | 692 | 698 | 694 | 711 | 717 | 698 | 686 | 697 | 711 | 697 | 676 | 674 | 685 | 684 | 685 | 679 | 675 | 684 | 695 | 676 | 680 | 686 | 677 | 689 | 687 |
| 04 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 05 | 695 | 703 | 706 | 701 | 703 | 694 | 693 | 692 | 711 | 717 | 702 | 690 | 694 | 701 | 693 | 674 | 672 | 682 | 691 | 683 | 680 | 674 | RF | 685 | 676 | 688 | 681 | 680 | 688 | 690 |
| 06 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 07 | 696 | 699 | 700 | 703 | 704 | 696 | 701 | 688 | 712 | 713 | 699 | 690 | 695 | 700 | 693 | 674 | 673 | 693 | 688 | 680 | 679 | 679 | 689 | 678 | 679 | 676 | 678 | 685 | 685 | |
| 08 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 09 | 694 | 703 | 702 | 696 | 697 | 692 | 696 | 686 | 713 | 714 | 700 | 687 | 692 | 698 | 687 | 672 | 677 | 693 | 693 | 681 | 677 | 680 | 691 | 687 | 674 | 689 | 679 | 680 | 691 | 691 |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | 698 | 699 | 697 | 701 | 698 | 695 | 696 | 694 | 711 | 712 | 693 | 684 | 693 | 702 | 691 | 679 | 678 | 689 | 695 | 682 | 678 | 686 | 693 | 688 | 677 | 681 | 680 | 676 | 690 | 686 |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | 697 | 703 | 696 | 695 | 698 | 697 | 692 | 695 | 708 | RF | 696 | 690 | 693 | 702 | 694 | 675 | 680 | 688 | 686 | 680 | 676 | RF | 690 | 684 | 680 | 689 | 678 | 682 | 682 | 692 |
| 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | 695 | 701 | 698 | 697 | 699 | 701 | 690 | 695 | 714 | | 692 | 685 | 697 | 700 | 690 | 675 | 686 | 688 | 686 | 685 | 677 | | 690 | 684 | 674 | 682 | 678 | 685 | 686 | 688 |
| 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | 699 | 702 | 696 | 692 | 689 | 695 | 690 | 699 | 712 | 708 | 692 | 689 | 698 | 696 | 688 | 675 | 684 | 689 | 685 | 681 | 676 | 688 | 688 | 677 | 678 | 689 | 683 | 684 | 690 | 690 |
| 18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | 691 | 702 | 699 | 693 | 689 | 700 | 689 | 704 | 713 | 709 | 687 | 689 | 705 | 695 | 684 | 679 | 680 | 690 | 685 | 676 | 678 | 684 | 689 | 677 | 678 | 688 | 672 | 680 | 690 | 691 |
| 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | 693 | 698 | 695 | 697 | 691 | 702 | 693 | 709 | 710 | 698 | 692 | 688 | 701 | 698 | 683 | 671 | 682 | 692 | 679 | 677 | 671 | 688 | 688 | 680 | 680 | 688 | 677 | 688 | 692 | 692 |
| 22 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23 | 689 | 710 | 695 | 698 | 691 | 701 | 685 | 699 | 707 | 701 | 692 | 690 | 702 | 698 | 688 | 672 | 685 | 687 | 683 | 683 | 678 | 688 | 692 | 671 | 674 | 682 | 680 | 681 | 691 | 687 |
| 24 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total | 8343 | 8419 | 8390 | 8360 | 8343 | 8361 | 8319 | 8347 | 8528 | 8344 | 8250 | 8357 | 8406 | 8380 | 8099 | 8137 | 8257 | 8242 | 8174 | 8126 | | | | 8205 | 8122 | 8219 | 8158 | 8173 | 8259 | 8276 |
| Daily Mean | 695.3 | 701.6 | 699.2 | 696.7 | 695.3 | 696.7 | 693.3 | 695.6 | 710.7 | 695.3 | 697.5 | 695.4 | 703.5 | 690.0 | 674.9 | 678.1 | 683.1 | 696.8 | 691.2 | 677.2 | | | | 633.7 | 676.8 | 694.9 | 673.8 | 681.1 | 688.3 | 689.7 |

COSMIC RAY RECORDS

Station Mawson
Year 1961
Month December

Telescope No. 2
Zenith Angle 45°
Absorber 10 cm Pb

Geometry (l × l) × 1.5 m
Scale Factor 64
Azimuth Geomagnetic EAST

TABLE 24
TABULATED Hourly Count Totals

| Date | 01 | 02 | 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 | |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-----|-------|-------|--|
| 01 | 687 | 676 | 680 | 682 | 681 | 690 | 681 | 695 | 692 | 686 | 696 | 688 | 680 | 687 | 689 | 688 | 695 | 684 | 688 | 698 | 692 | 692 | 683 | 678 | 670 | 676 | 684 | 685 | 689 | 689 | 700 | |
| 02 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 03 | 687 | 678 | 680 | 689 | 687 | 691 | 683 | 701 | 698 | 693 | 696 | 687 | 684 | 691 | 679 | 689 | 692 | 690 | 687 | 696 | 686 | 689 | 678 | 676 | 675 | 682 | 679 | 683 | 690 | 693 | 693 | |
| 04 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 05 | 686 | 679 | 676 | 685 | 682 | 681 | 687 | 698 | 693 | 688 | 695 | 681 | 684 | 687 | 686 | 696 | 692 | 686 | 693 | 697 | 690 | 688 | 681 | 677 | 672 | 683 | 686 | 687 | 688 | 697 | 700 | |
| 06 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 07 | 684 | 679 | 680 | 684 | 681 | 688 | 692 | 699 | 690 | 692 | 687 | 684 | 684 | 693 | 682 | 693 | 690 | 687 | 691 | 696 | 692 | 690 | 681 | 677 | 675 | 680 | 689 | RF | 694 | 694 | 695 | |
| 08 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 09 | 688 | 678 | 678 | 684 | 683 | 689 | 690 | 706 | 698 | 700 | 692 | 683 | 679 | 686 | 690 | 691 | 689 | 686 | 693 | 696 | 696 | 692 | 678 | 674 | 675 | 679 | 687 | 689 | 699 | 699 | 695 | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | 685 | 669 | 676 | 685 | 685 | 683 | 688 | 704 | 691 | 696 | 692 | 686 | 688 | 694 | 684 | 688 | 689 | 683 | 689 | 703 | 698 | 691 | 682 | 674 | 677 | 681 | 683 | 682 | 694 | 701 | 703 | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | 690 | 679 | 683 | 680 | 687 | 691 | 688 | 704 | 686 | 694 | 690 | 677 | 690 | 686 | 685 | 695 | 689 | 694 | 694 | 696 | 691 | 694 | 678 | 676 | 676 | 678 | 690 | 685 | 696 | 693 | RF | |
| 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | 684 | 670 | 679 | 682 | 683 | 688 | 688 | 696 | 691 | 693 | 693 | 680 | 687 | 687 | 691 | 698 | 688 | 688 | 688 | 694 | 691 | 688 | 671 | 677 | 676 | 683 | 680 | 688 | 691 | 698 | | |
| 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | 686 | 675 | 681 | 684 | 684 | 680 | 691 | 705 | 688 | 691 | 686 | 682 | 686 | 686 | 686 | 697 | 686 | 686 | 687 | 697 | 689 | 686 | 680 | 674 | 676 | 689 | 680 | 694 | 701 | 695 | | |
| 18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | 684 | 670 | 683 | 683 | 685 | 682 | 695 | 692 | 684 | 689 | 685 | 672 | 685 | 690 | 689 | 689 | 680 | 689 | 689 | 695 | 692 | 684 | 681 | 676 | 679 | 689 | 686 | 689 | 690 | 697 | | |
| 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | 673 | 672 | 690 | 678 | 686 | 684 | 697 | 698 | 683 | 694 | 694 | 684 | 684 | 696 | 690 | 688 | 689 | 688 | 692 | 693 | 692 | 683 | 680 | 677 | 678 | 685 | 689 | 693 | 693 | 704 | | |
| 22 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23 | 671 | 675 | 687 | 685 | 683 | 691 | 695 | 698 | 688 | 691 | 683 | 685 | 689 | 688 | 693 | 687 | 685 | 686 | 695 | 688 | 691 | 685 | 681 | 667 | 681 | 686 | 689 | 695 | 689 | 706 | | |
| 24 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total | 8205 | 8100 | 8173 | 8201 | 8207 | 8238 | 8275 | 8396 | 8282 | 8305 | 8294 | 8192 | 8220 | 8271 | 8245 | 8299 | 8264 | 8247 | 8286 | 8349 | 8200 | 8262 | 8154 | 8103 | 8110 | 8191 | 8222 | | | 8314 | 8366 | |
| Daily Mean | 683.7 | 675.0 | 681.1 | 683.4 | 683.9 | 686.5 | 689.6 | 699.7 | 690.2 | 692.1 | 691.2 | 682.7 | 685.0 | 689.3 | 687.1 | 691.6 | 688.7 | 687.3 | 690.5 | 695.7 | 691.7 | 688.5 | 679.5 | 675.3 | 675.8 | 682.6 | 685.2 | | | 692.8 | 697.2 | |

COSMIC RAY RECORDS

TABLE 25

Station *Mawson*
 Year *1961*
 Month *January*

Telescope No. *2*
 Zenith Angle *45°*
 Absorber *10 cm Pb*

Geometry $(I \times I) \times 1.5 \text{ m}$
 Scale Factor *64*
 Azimuth *Geomagnetic WEST*

TABULATED Hourly Count Totals

| Hour GMT | 01 | 02 | 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 | |
|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| 01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 02 | 680 | 679 | 675 | 665 | 675 | 671 | 665 | 676 | 669 | 674 | 679 | 685 | 680 | 682 | 679 | 683 | 674 | 674 | 676 | 674 | 673 | 671 | 674 | 681 | 690 | 685 | 682 | 693 | 687 | 664 | 684 | |
| 03 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 04 | 673 | 678 | 675 | 669 | 671 | 664 | 657 | 676 | 671 | 670 | 673 | 677 | 675 | 681 | 679 | 688 | 690 | 671 | 676 | 676 | 670 | 674 | 672 | 683 | 690 | 685 | 690 | 695 | 681 | 660 | 683 | |
| 05 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 06 | 688 | 676 | 668 | 671 | 671 | 666 | 665 | 671 | 666 | 668 | 682 | 681 | 681 | 682 | 674 | 685 | 677 | 676 | 670 | 675 | 668 | 673 | 677 | 686 | 693 | 687 | 679 | 693 | 684 | 661 | 688 | |
| 07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 08 | 680 | 673 | 672 | 664 | 665 | 667 | 674 | 670 | 673 | 669 | 678 | 679 | 681 | 688 | 679 | 679 | 681 | 678 | 668 | 670 | 670 | 672 | 673 | 680 | 688 | 683 | 683 | 696 | 681 | 666 | 679 | |
| 09 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | 675 | 677 | 673 | 667 | 668 | 663 | 667 | 675 | 669 | 673 | 678 | 676 | 681 | 685 | 685 | 683 | 682 | 673 | 666 | 671 | 670 | 673 | 681 | 683 | 687 | 686 | 687 | 701 | 677 | 667 | 688 | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | 675 | 674 | 672 | 666 | 672 | 661 | 666 | 677 | 674 | 675 | 677 | 684 | 682 | 684 | 685 | 681 | 678 | 669 | 679 | 672 | 673 | 675 | 675 | 685 | 681 | 685 | 690 | 692 | 680 | 661 | 667 | |
| 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | 675 | 679 | 672 | 666 | 674 | 665 | 668 | 672 | 670 | 677 | 675 | 681 | 682 | 682 | 681 | 681 | 680 | 673 | 672 | 673 | 672 | 669 | 675 | 682 | 682 | 681 | 683 | 688 | 679 | 664 | 681 | |
| 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | 675 | 677 | 670 | 667 | 668 | 665 | 664 | 677 | 668 | 676 | 676 | 685 | 676 | 679 | 684 | 675 | 675 | 678 | 673 | 669 | 668 | 679 | 681 | 679 | 682 | 682 | 687 | 689 | 673 | 665 | 685 | |
| 17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | 675 | 674 | 667 | 663 | 670 | 655 | 664 | 669 | 667 | 676 | 678 | 688 | 676 | 685 | 685 | 690 | 676 | 673 | 671 | 681 | 676 | 675 | 677 | 685 | 683 | 683 | 692 | 690 | 669 | 665 | 686 | |
| 19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | 673 | 675 | 670 | 672 | 672 | 665 | 674 | 677 | 671 | 680 | 681 | 684 | 681 | 675 | 687 | 682 | 677 | 678 | 666 | 671 | 674 | 674 | 678 | 685 | 686 | 684 | 692 | 687 | 669 | 673 | 680 | |
| 21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | 680 | 678 | 670 | 675 | 674 | 663 | 672 | 673 | 666 | 678 | 678 | 679 | 680 | 682 | 685 | 685 | 676 | 672 | 669 | 668 | 671 | 672 | 676 | 683 | 682 | 686 | 691 | 693 | 663 | 670 | 688 | |
| 23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | 677 | 670 | 665 | 671 | 671 | 664 | 671 | 674 | 670 | 675 | 679 | 678 | 673 | 681 | 682 | 682 | 672 | 679 | 673 | 669 | 676 | 675 | 684 | 684 | 683 | 683 | 693 | 692 | 661 | 674 | 685 | |
| Total | 8126 | 8110 | 8049 | 8022 | 8051 | 7969 | 8007 | 8087 | 8034 | 8051 | 8134 | 8177 | 8148 | 8186 | 8185 | 8194 | 8178 | 8094 | 8059 | 8069 | 8061 | 8082 | 8123 | 8196 | 8227 | 8210 | 8249 | 8309 | 8104 | 7990 | 8214 | |
| Daily Mean | 677.2 | 675.8 | 670.7 | 668.5 | 670.9 | 664.1 | 667.3 | 673.9 | 669.5 | 674.3 | 677.8 | 681.4 | 679.0 | 682.2 | 682.1 | 682.8 | 677.3 | 674.5 | 671.6 | 672.4 | 671.7 | 673.5 | 676.9 | 683.0 | 685.6 | 684.2 | 687.4 | 692.4 | 675.3 | 665.8 | 684.5 | |

COSMIC RAY RECORDS

Station *Mawson*
 Year *1961*
 Month *February*

Telescope No. *2*
 Zenith Angle *45°*
 Absorber *10 cm Pb*

Geometry ($I \times I$) \times *1.5 m*
 Scale Factor *64*
 Azimuth Geomagnetic *WEST*

TABULATED Hourly Count Totals

| Date | 01 | 02 | 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 | |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-------|-------|-------|-----|-----|-------|-------|-----|-----|-----|-----|
| Hour GMT | 01 | 02 | 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 | |
| 01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 02 | 680 | 674 | 674 | 659 | 670 | 665 | 670 | 668 | 670 | 669 | 672 | 676 | 674 | 676 | 681 | 684 | RF | 680 | 681 | 682 | 679 | 678 | RF | 664 | 669 | 677 | 691 | RF | |
| 03 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 04 | 680 | 677 | 668 | 662 | 666 | 665 | 667 | 671 | 657 | 667 | 672 | 672 | 672 | 673 | 669 | 681 | 685 | 687 | 687 | 687 | 687 | 687 | 687 | 687 | 687 | 687 | 687 | 689 | |
| 05 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 06 | 681 | 680 | 666 | 663 | 672 | 661 | 675 | 669 | 664 | 669 | 676 | 666 | 663 | 676 | 664 | 677 | 667 | 683 | 685 | 688 | 688 | 676 | RF | 667 | 665 | 672 | RF | RF | |
| 07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 08 | 673 | 671 | 667 | 668 | 666 | 666 | 667 | 667 | 671 | 668 | 674 | 669 | 670 | 677 | 679 | 683 | 667 | 682 | 693 | 690 | 676 | | | 667 | 664 | 675 | 688 | 682 | |
| 09 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | 673 | 669 | 671 | 662 | 674 | 670 | 662 | 670 | 666 | 670 | 670 | 670 | 673 | 669 | 674 | 686 | 670 | 686 | 689 | 689 | 681 | | | 662 | 657 | 676 | 684 | 670 | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | 675 | 688 | 662 | 663 | 661 | 667 | 670 | 667 | 666 | 666 | 678 | 673 | 676 | 677 | 674 | 681 | 670 | 684 | 689 | 691 | 686 | | | 673 | 662 | 683 | 688 | 680 | |
| 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | 674 | 674 | 670 | 666 | 672 | 674 | 673 | 664 | 663 | 670 | 675 | 672 | 676 | 671 | 674 | 680 | 684 | 681 | 670 | 684 | 676 | | | 657 | 659 | 667 | 687 | 681 | 678 |
| 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | 677 | 673 | 661 | 667 | 674 | 675 | 672 | 668 | 664 | 675 | 674 | 669 | 681 | 677 | 678 | 682 | 671 | 687 | 683 | 691 | 688 | | | 657 | 669 | 669 | 690 | 682 | 686 |
| 17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | 670 | 671 | 667 | 665 | 669 | 677 | 670 | 668 | 672 | 670 | 669 | 672 | 680 | 674 | 676 | 677 | 673 | 682 | 682 | 693 | 683 | | | 659 | 670 | 670 | 691 | 689 | 679 |
| 19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | 685 | 672 | 663 | 663 | 669 | 673 | 664 | 668 | 672 | 676 | 668 | 676 | 680 | 674 | 681 | 670 | 674 | 685 | 688 | 691 | 683 | | | 665 | 666 | 661 | RF | RF | 675 |
| 21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | 676 | 673 | 660 | 671 | 666 | 672 | 671 | 668 | 669 | 673 | 670 | 677 | 675 | 676 | 682 | 674 | 678 | 682 | 698 | 689 | 688 | | | 659 | 663 | 676 | | 678 | |
| 23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | 678 | 675 | 658 | 670 | 667 | 665 | 666 | 665 | 665 | 671 | 672 | 676 | 672 | 674 | 684 | 670 | 682 | 671 | 684 | 639 | 633 | | | 677 | 663 | 637 | 685 | 676 | |
| Total | 8122 | 8077 | 7987 | 7979 | 8026 | 8030 | 8027 | 8013 | 7999 | 8044 | 8370 | 8358 | 8392 | 9084 | 8116 | 8145 | | 8208 | 8239 | 8264 | 8179 | | | 7991 | 7990 | | | | |
| Daily Mean | 676.8 | 673.1 | 665.6 | 664.9 | 669.8 | 669.2 | 668.9 | 667.7 | 666.6 | 670.3 | 672.5 | 672.3 | 674.3 | 674.5 | 676.3 | 678.7 | | 684.0 | 686.6 | 688.7 | 681.6 | | | 665.9 | 665.9 | | | | |

COSMIC RAY RECORDS

Station *Mawson*
Year *1961*
Month *March*

Telescope No. *2*
Zenith Angle *45°*
Absorber *10 cm Pb*

Geometry (*l × l*) × *1.5 m*
Scale Factor *64*
Azimuth *Geomagnetic WEST*

TABULATED Hourly Count Totals

| Date | Hour GMT | 01 | 02 | 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 | |
|------------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-----|-----|--|
| | 01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 02 | 672 | 670 | 685 | 684 | 666 | 669 | 688 | 693 | 689 | 695 | 702 | 694 | 684 | 682 | 676 | 671 | 680 | 694 | 681 | 692 | 692 | 699 | 694 | 690 | 680 | 686 | 693 | 687 | 691 | 694 | RF | |
| | 03 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 04 | 674 | 666 | 682 | 676 | 669 | 672 | 684 | 690 | 686 | 694 | 699 | 691 | 676 | 685 | 678 | 667 | 685 | 690 | 679 | 691 | 699 | 695 | 692 | 688 | 676 | 684 | 688 | 687 | 696 | 697 | 681 | |
| | 05 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 06 | 670 | 670 | 680 | 685 | 665 | 674 | 693 | 691 | 686 | 691 | 698 | 690 | 680 | 684 | 675 | 662 | 687 | 695 | 681 | 698 | 700 | 692 | 694 | 688 | 675 | 687 | 663 | 687 | 700 | 697 | 684 | |
| | 07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 08 | 674 | 669 | 682 | 678 | 674 | 677 | 691 | 689 | 688 | 696 | 698 | 684 | 684 | 685 | 675 | 667 | 684 | 691 | 678 | 686 | 694 | 693 | 697 | 688 | 681 | 681 | 685 | 691 | 697 | 692 | 687 | |
| | 09 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 10 | 675 | 670 | 685 | 680 | 673 | 681 | 690 | 683 | 692 | 695 | 703 | 683 | 684 | 681 | 669 | 673 | 688 | 692 | 687 | 688 | 696 | 697 | 692 | 684 | 682 | 686 | 687 | 692 | 694 | 686 | 684 | |
| | 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 12 | 674 | 670 | 682 | 682 | 670 | 683 | 695 | 687 | 697 | 702 | 699 | 687 | 688 | 680 | 674 | 675 | 684 | 690 | 690 | 692 | 701 | 700 | 687 | 680 | 682 | 681 | 686 | 692 | 698 | 683 | 694 | |
| | 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 14 | 674 | 672 | 687 | 678 | 668 | 687 | 695 | 690 | 693 | 704 | 696 | 686 | 689 | 682 | 675 | 674 | 690 | 692 | 692 | 689 | 693 | 697 | 688 | 681 | 683 | 685 | 690 | 695 | 703 | 682 | 684 | |
| | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 16 | 672 | 673 | 687 | 680 | 674 | 682 | 692 | 694 | 688 | 702 | 699 | 689 | 685 | 682 | 672 | 679 | 690 | 692 | 690 | 697 | 693 | 698 | 682 | 684 | 678 | 687 | 684 | 693 | 713 | 687 | 694 | |
| | 17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 18 | 680 | 674 | 687 | 676 | 667 | 684 | 696 | 687 | 692 | 703 | 697 | 683 | 682 | 676 | 667 | 675 | 686 | 685 | 687 | 690 | 697 | 694 | 686 | 684 | 681 | 680 | 687 | 696 | 700 | 686 | 694 | |
| | 19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 20 | 671 | 680 | 684 | 672 | 666 | 675 | 690 | 691 | 694 | 699 | 694 | 694 | 694 | 693 | 685 | 678 | 693 | 685 | 693 | 696 | 693 | 698 | 690 | 674 | 682 | 686 | 686 | 691 | 705 | RF | 684 | |
| | 21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 22 | 665 | 671 | 682 | 670 | 675 | 688 | 687 | 691 | 695 | 698 | 694 | 681 | 688 | 683 | 685 | 677 | 689 | 686 | 688 | 692 | 692 | 694 | 693 | 680 | 689 | 686 | 689 | 702 | 702 | 692 | 692 | |
| | 23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 24 | 669 | 675 | 688 | 677 | 672 | 688 | 682 | 688 | 699 | 699 | 693 | 686 | 682 | 674 | 668 | 685 | 689 | 678 | 694 | 698 | 694 | 698 | 687 | 685 | 686 | 684 | 685 | 699 | 695 | 694 | 694 | |
| Total | 8070 | 8066 | 8211 | 8138 | 8039 | 8160 | 8283 | 8274 | 8299 | 8378 | 8372 | 8238 | 8199 | 8180 | 8060 | 8083 | 8245 | 8270 | 8240 | 8309 | 8349 | 8355 | 8282 | 8206 | 8175 | 8213 | 8743 | 8312 | 8394 | | | | |
| Daily Mean | 672.5 | 672.2 | 684.3 | 678.2 | 669.9 | 680.0 | 690.3 | 689.5 | 691.6 | 698.2 | 697.7 | 686.5 | 683.3 | 681.7 | 671.7 | 673.6 | 687.1 | 689.2 | 686.7 | 692.4 | 695.7 | 696.3 | 690.2 | 683.8 | 681.3 | 684.4 | 686.9 | 692.7 | 699.5 | | | | |

COSMIC RAY RECORDS
 Station *Mawson*
 Year *1961*
 Month *April*
 Telescope No. *2*
 Zenith Angle *45°*
 Absorber *10 cm Pb*
 Geometry ($I \times I$) \times *1.5 m*
 Scale Factor *64*
 Azimuth *Geomagnetic WEST*

TABULATED Hourly Count Totals

| Date | | 01 | 02 | 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 | |
|------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-----|--|
| 01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 02 | | 690 | 693 | 680 | 677 | 690 | 694 | 695 | 693 | 680 | 676 | 669 | 680 | 683 | 687 | 677 | 676 | 667 | 676 | 682 | 696 | 698 | 686 | 689 | 690 | 707 | 705 | 695 | 699 | 706 | RF | |
| 03 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 04 | | 685 | 692 | 675 | 683 | 693 | 695 | 694 | 693 | 686 | 679 | 671 | 684 | 689 | 681 | 684 | 673 | 665 | 668 | 689 | 688 | 699 | 676 | 687 | 702 | 700 | 708 | 703 | 698 | 702 | | |
| 05 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 06 | | 681 | 690 | 673 | 685 | 692 | 706 | 691 | 690 | 681 | 672 | 679 | 680 | 687 | 679 | 686 | 669 | 672 | 667 | 684 | 685 | 702 | 681 | 682 | 691 | 707 | 697 | 700 | 692 | RF | | |
| 07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 08 | | 681 | 698 | 674 | 687 | 689 | 698 | 694 | 689 | 676 | 675 | 668 | 676 | 684 | 682 | 680 | 683 | 664 | 672 | 686 | 689 | 698 | 687 | 684 | 698 | 707 | 709 | 698 | 697 | | | |
| 09 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | 686 | 693 | 670 | 686 | 688 | 696 | 689 | 682 | 682 | 677 | 677 | 678 | 692 | 672 | 691 | 678 | 669 | 673 | 688 | 696 | 706 | 685 | 681 | 698 | 713 | 700 | 698 | 703 | | | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | | 688 | 693 | 673 | 688 | 693 | 697 | 693 | 689 | 679 | 671 | 672 | 677 | 683 | 680 | 679 | 677 | 670 | 674 | 684 | 695 | 695 | 674 | 686 | 700 | 715 | 702 | 701 | 699 | 703 | | |
| 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | | 686 | 684 | 672 | 688 | 699 | 693 | 694 | 686 | 677 | 665 | 670 | RF | 692 | 677 | 679 | 682 | 666 | 674 | 688 | 704 | 692 | 675 | 686 | 707 | 710 | 705 | 699 | 711 | 703 | 703 | |
| 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | | 698 | 683 | 669 | 697 | 694 | 692 | 690 | 681 | 684 | 672 | 684 | | 691 | 679 | 682 | 671 | 666 | 674 | 686 | 695 | 699 | 685 | 692 | 701 | 711 | 705 | 700 | 711 | 701 | 706 | |
| 17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | | 693 | 688 | 674 | 696 | 695 | 695 | 689 | 683 | 679 | 670 | 687 | 692 | 684 | 682 | 679 | 671 | 665 | 675 | 690 | 697 | 698 | 670 | 691 | 703 | 708 | 696 | 698 | 709 | 705 | 701 | |
| 19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | | 692 | 680 | 672 | 690 | 693 | 690 | 697 | 681 | 683 | 671 | 683 | 683 | 686 | 678 | 680 | 674 | 667 | 675 | 691 | 694 | 696 | 682 | 688 | 714 | 709 | 701 | 695 | 713 | 697 | 701 | |
| 21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | | 691 | 684 | 673 | 692 | 698 | 698 | 692 | 682 | 677 | 673 | 677 | 680 | 686 | 683 | 678 | 668 | 665 | 678 | 689 | 694 | 683 | 679 | 691 | 709 | 709 | 699 | 697 | 712 | 698 | 706 | |
| 23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | | 686 | 680 | 670 | 689 | 699 | 690 | 689 | 684 | 678 | 675 | 678 | 685 | 687 | 683 | 686 | 671 | 674 | 676 | 692 | 697 | 683 | 679 | 690 | 706 | 697 | 705 | 700 | 704 | RF | 703 | |
| Total | | 8257 | 8258 | 8075 | 8258 | 8323 | 8344 | 8307 | 8233 | 8162 | 8076 | 8115 | | 8244 | 8163 | 8181 | 8093 | 8010 | 8082 | 8249 | 8330 | 8349 | 8159 | 8247 | 8419 | 8493 | 8432 | 8384 | 8448 | | | |
| Daily Mean | | 688.1 | 688.2 | 672.9 | 688.2 | 693.6 | 695.3 | 692.3 | 686.1 | 680.2 | 673.0 | 676.3 | | 687.0 | 680.3 | 681.7 | 674.4 | 667.5 | 673.5 | 687.4 | 694.2 | 695.7 | 679.9 | 687.3 | 701.6 | 707.7 | 702.7 | 698.7 | 704.0 | | | |

TABLE 29

COSMIC RAY RECORDS

Station *Mawson*
Year *1961*
Month *May*

Telescope No. *2*
Zenith Angle *45°*
Absorber *10 cm Pb*

Geometry $(l \times l) \times 1.5$ m
Scale Factor *64*
Azimuth *Geomagnetic WEST*

TABULATED Hourly Count Totals

| Date | 01 | 02 | 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 | |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| Hour | 705 | 708 | 717 | 708 | 715 | 708 | 715 | 706 | 710 | 695 | 693 | 703 | 706 | 694 | 715 | 704 | 701 | 696 | 705 | 699 | 708 | 708 | 700 | 688 | 694 | 689 | 678 | 661 | 684 | 687 | 689 | |
| GMT | 701 | 703 | 713 | 704 | 711 | 712 | 705 | 709 | 704 | 692 | 705 | 703 | 695 | 705 | 697 | 701 | 696 | 703 | 697 | 708 | 703 | 704 | 696 | 691 | 698 | 687 | 684 | 685 | 687 | 685 | 696 | |
| 01 | 706 | 691 | 705 | 709 | 706 | 706 | 707 | 701 | 708 | 692 | 701 | 707 | 698 | 689 | 703 | 697 | 702 | 699 | 707 | 696 | 710 | 710 | 696 | 683 | 694 | 682 | 675 | 687 | 677 | 694 | 691 | |
| 02 | 706 | 703 | 710 | 706 | 711 | 708 | 707 | 704 | 706 | 701 | 695 | 703 | 697 | 697 | 711 | 700 | 701 | 708 | 709 | 690 | 706 | 702 | 692 | 684 | 694 | 688 | 679 | 681 | 681 | 693 | 695 | |
| 03 | 707 | 703 | 715 | 713 | 709 | 711 | 700 | 709 | 705 | 708 | 697 | 707 | 701 | 692 | 707 | 703 | 701 | 698 | 713 | 690 | 708 | 697 | 686 | 688 | 680 | 681 | 690 | 685 | 701 | 695 | | |
| 04 | 709 | 715 | 704 | 711 | 708 | 705 | 703 | 704 | 700 | 700 | 701 | 705 | 700 | 706 | 704 | 703 | 695 | 702 | 711 | 695 | 707 | 702 | 687 | 687 | 687 | 687 | 674 | 682 | 680 | 698 | 696 | |
| 05 | 708 | 707 | 710 | 703 | 710 | 705 | 705 | 702 | 703 | 700 | 701 | 708 | 704 | 700 | 709 | 692 | 699 | 701 | 710 | 705 | 709 | 707 | 691 | 694 | 691 | 688 | 675 | 682 | 687 | 701 | 695 | |
| 06 | 709 | 707 | 718 | 704 | 715 | 710 | 701 | 714 | 704 | 694 | 703 | 709 | 701 | 702 | 706 | 702 | 701 | 700 | 712 | 706 | 709 | 698 | 690 | 693 | 688 | 680 | 681 | 683 | 694 | 688 | | |
| 07 | 709 | 705 | 719 | 702 | 714 | 708 | 701 | 707 | 699 | 703 | 708 | 707 | 698 | 705 | 709 | 698 | 708 | 704 | 707 | 708 | 714 | 697 | 688 | 696 | 681 | 677 | 683 | 687 | 696 | 695 | | |
| 08 | 704 | 709 | 714 | 705 | 713 | 704 | 707 | 715 | 700 | 696 | 704 | 704 | 702 | 712 | 707 | 702 | 695 | 702 | 707 | 699 | 713 | 703 | 691 | 693 | 687 | 683 | 678 | 689 | 684 | 691 | 686 | |
| 09 | 706 | 709 | 716 | 706 | 712 | 709 | 705 | 711 | 699 | 696 | 707 | 705 | 701 | 714 | 707 | 701 | 707 | 709 | 711 | 714 | 710 | 701 | 692 | 695 | 689 | 678 | 683 | 687 | 692 | 695 | 683 | |
| 10 | 705 | 707 | 714 | 709 | 709 | 704 | 709 | 712 | 701 | 700 | 705 | 705 | 690 | 706 | 707 | 704 | 704 | 701 | 712 | 710 | 710 | 694 | 687 | 701 | 687 | 678 | 677 | 686 | 686 | 691 | 692 | |
| 11 | 8480 | 8456 | 8547 | 8411 | 8522 | 8499 | 8472 | 8489 | 8448 | 8389 | 8407 | 8468 | 8401 | 8412 | 8490 | 8403 | 8415 | 8416 | 8507 | 8409 | 8512 | 8423 | 8296 | 8293 | 8290 | 8201 | 8142 | 8216 | 8213 | 8326 | 8301 | |
| Total | 706.7 | 704.7 | 712.3 | 707.6 | 710.2 | 708.3 | 706.0 | 707.4 | 704.0 | 699.1 | 700.6 | 705.7 | 700.1 | 701.0 | 707.5 | 700.3 | 701.3 | 701.3 | 708.9 | 700.7 | 709.3 | 701.9 | 691.3 | 691.1 | 690.8 | 683.4 | 678.5 | 684.7 | 684.4 | 693.8 | 691.7 | |
| Daily Mean | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

COSMIC RAY RECORDS

Station *Mawson*
 Year *1961*
 Month *June*

Telescope No. *2*
 Zenith Angle *45°*
 Absorber *10 cm Pb*

Geometry $(I \times I) \times 1.5 m$
 Scale Factor *64*
 Azimuth Geomagnetic *WEST*

TABLE 30

TABULATED Hourly Count Totals

| Date | Hourly Count Totals | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-------|-------|-------|----|
| | Hour GMT | 01 | 02 | 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 |
| 01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 02 | 687 | 693 | 702 | 708 | 695 | 663 | 658 | 664 | 675 | 680 | 689 | 697 | 691 | 702 | 712 | 711 | 707 | 707 | 701 | 706 | 692 | 694 | 714 | 700 | 693 | 708 | 714 | 704 | 697 | 708 | |
| 03 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 04 | 688 | 692 | 702 | 711 | 686 | 662 | 664 | 667 | 670 | 675 | 690 | 694 | 696 | 711 | 707 | 705 | 704 | 706 | 707 | 703 | 696 | 703 | 715 | 699 | 690 | RF | 709 | 695 | 703 | 711 | |
| 05 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 06 | 690 | 695 | 705 | 710 | 683 | 664 | 662 | 669 | 667 | 681 | 690 | 696 | 693 | 710 | 704 | 703 | 713 | 706 | 703 | 702 | 688 | 702 | 714 | 695 | 696 | | 709 | 698 | 712 | 708 | |
| 07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 08 | 693 | 701 | 707 | 714 | 684 | 665 | 663 | 671 | 675 | 675 | 691 | 699 | 695 | 703 | 703 | 713 | 706 | 705 | 708 | 710 | 688 | 705 | 708 | 695 | 695 | 708 | 710 | 693 | 714 | 703 | |
| 09 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | 690 | 690 | 710 | 713 | 680 | 663 | 654 | 672 | 679 | 677 | 694 | 696 | 694 | 705 | 707 | 711 | 711 | 706 | 704 | 706 | 693 | 705 | 709 | 693 | 698 | RF | 712 | 701 | 711 | 705 | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | 691 | 703 | 715 | 712 | 681 | 663 | 663 | 669 | 676 | 683 | 690 | 699 | 697 | 707 | 708 | 709 | 706 | 705 | 707 | 705 | 692 | 706 | 703 | 689 | 702 | 707 | 709 | 690 | 711 | 710 | |
| 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | 689 | 700 | 718 | 709 | 676 | 661 | 671 | 670 | 673 | 678 | 686 | 703 | 693 | 711 | 706 | 704 | 703 | 712 | 710 | 708 | 691 | 708 | 703 | 695 | 693 | 715 | 714 | 695 | 710 | 716 | |
| 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | 693 | 698 | 710 | 707 | 674 | 663 | 661 | 674 | 674 | 688 | 689 | 699 | 703 | 715 | 712 | 711 | 703 | 708 | 708 | 706 | 698 | 709 | 705 | 689 | 702 | 708 | 702 | 689 | 707 | 715 | |
| 17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | 695 | 706 | 713 | 704 | 665 | 663 | 664 | 673 | 676 | 683 | 693 | 692 | 701 | 703 | 704 | 712 | 712 | 711 | 707 | 701 | 697 | 709 | 697 | 695 | 697 | 707 | 709 | 692 | 709 | 712 | |
| 19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | 696 | 702 | 713 | 695 | 661 | 663 | 665 | 671 | 677 | 680 | 688 | 691 | 701 | 712 | 713 | 709 | 706 | 709 | 708 | 702 | 697 | 709 | 699 | 697 | 698 | 709 | 706 | 691 | 706 | 710 | |
| 21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | 697 | 702 | 714 | 697 | 667 | 661 | 665 | 681 | 674 | 684 | 690 | 694 | 704 | 710 | 710 | 706 | 704 | 709 | 710 | 692 | 698 | 710 | 690 | 688 | 704 | 718 | 709 | 688 | 712 | 718 | |
| 23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | 698 | 703 | 713 | 691 | 656 | 663 | 669 | 665 | 675 | 686 | 685 | 694 | 704 | 709 | 709 | 707 | 704 | 701 | 704 | 690 | 700 | 707 | 702 | 692 | 710 | 709 | 701 | 692 | 710 | 721 | |
| Total | 8307 | 8385 | 8522 | 8471 | 8108 | 7954 | 7959 | 8046 | 8091 | 8170 | 8275 | 8354 | 8372 | 8498 | 8495 | 8501 | 8479 | 8485 | 8477 | 8431 | 8330 | 8467 | 8459 | 8327 | 8378 | | 8504 | 8328 | 8502 | 8537 | |
| Daily Mean | 692.3 | 698.7 | 710.2 | 705.9 | 675.7 | 662.8 | 663.3 | 670.5 | 674.3 | 680.8 | 689.6 | 696.2 | 697.7 | 708.2 | 707.9 | 708.4 | 706.6 | 707.1 | 706.4 | 702.6 | 694.2 | 705.6 | 704.9 | 693.9 | 698.2 | | 708.7 | 694.0 | 708.5 | 711.4 | |

TABLE 31

COSMIC RAY RECORDS
 Station *Mawson*
 Year *1961*
 Month *July*

Telescope No. *2*
 Zenith Angle *45°*
 Absorber *10 cm Pb*

Geometry $(l \times l) \times 1.5 \text{ m}$
 Scale Factor *64*
 Azimuth *Geomagnetic WEST*

TABULATED Hourly Count Totals

| Date | 01 | 02 | 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 | |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|----|----|-------|-------|-------|-------|-----|
| 01 | 715 | 714 | 711 | 697 | 710 | 712 | 724 | 704 | 717 | 724 | 725 | 721 | 714 | 695 | 703 | 706 | 693 | 701 | 696 | 686 | 670 | 690 | 699 | 712 | RF | RF | RF | RF | 711 | 702 | 703 | 712 |
| 03 | 710 | 712 | 717 | 699 | 702 | 714 | 721 | 709 | 714 | 724 | 725 | 715 | 719 | 698 | 707 | 708 | 689 | 706 | 698 | 680 | 681 | 691 | 702 | 702 | | | | 704 | 703 | 709 | 712 | |
| 05 | 707 | 710 | 709 | 698 | 714 | 714 | 724 | 711 | 717 | 720 | 725 | 713 | 722 | 703 | 708 | 710 | 697 | 705 | 699 | 673 | 671 | 688 | 700 | 701 | | | | 705 | 702 | 706 | 710 | |
| 07 | 709 | 712 | 713 | 699 | 714 | 716 | 722 | 707 | 725 | 725 | 723 | 719 | 711 | 714 | 709 | 700 | 697 | 709 | 696 | 674 | 682 | 693 | 704 | 706 | | | | 707 | 705 | 709 | 707 | |
| 09 | 716 | 709 | 711 | 699 | 716 | 717 | 722 | 712 | 722 | 730 | 718 | 721 | 720 | 704 | 708 | 700 | 694 | 710 | 693 | 672 | 677 | 686 | 701 | 704 | | | | 699 | 696 | 709 | 704 | |
| 11 | 714 | 706 | 709 | 698 | 714 | 713 | 724 | 720 | 722 | 723 | 722 | 721 | 722 | 702 | 707 | 699 | 693 | 712 | 700 | 673 | 681 | 691 | 709 | 709 | | | | 704 | 706 | 706 | 704 | |
| 13 | 717 | 706 | 711 | 707 | 716 | 722 | 717 | 710 | 726 | 725 | 721 | 724 | 712 | 701 | 702 | 698 | 692 | 708 | 691 | 671 | 686 | 699 | 712 | 704 | | | | 699 | 701 | 711 | 707 | |
| 15 | 713 | 709 | 709 | 698 | 717 | 722 | 717 | 716 | 726 | 731 | 721 | 722 | 705 | 698 | 705 | 703 | 701 | 708 | 693 | 670 | 679 | 692 | 714 | 707 | | | | 703 | 700 | 707 | 705 | |
| 17 | 707 | 711 | 711 | 697 | 715 | 731 | 718 | 720 | 727 | 730 | 718 | 723 | 710 | 700 | 703 | 694 | 693 | 707 | 691 | 677 | 689 | 692 | 712 | 709 | | | | 704 | 704 | 708 | 706 | |
| 19 | 715 | 714 | 702 | 703 | 714 | 725 | 712 | 712 | 728 | 729 | 717 | 721 | 708 | 701 | 710 | 693 | 696 | 706 | 693 | 672 | 686 | 693 | 710 | 705 | | | | 700 | 699 | 701 | 705 | |
| 21 | 715 | 709 | 700 | 701 | 720 | 722 | 706 | 723 | 723 | 727 | 720 | 717 | 701 | 708 | 712 | 699 | 700 | 701 | 690 | 674 | 686 | 694 | 704 | 709 | | | | 705 | 703 | 712 | 708 | |
| 23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | 715 | 714 | 704 | 707 | 714 | 723 | 710 | 715 | 726 | 723 | 717 | 726 | 701 | 714 | 705 | 690 | 699 | 695 | 696 | 676 | 684 | 703 | 702 | 710 | | | | 706 | 705 | 708 | 711 | |
| Total | 8553 | 8526 | 8507 | 8403 | 8566 | 8631 | 8617 | 8559 | 8673 | 8711 | 8652 | 8643 | 8545 | 8438 | 8479 | 8400 | 8344 | 8468 | 8336 | 8098 | 8172 | 8315 | 8469 | 8478 | | | | 8447 | 8426 | 8469 | 8491 | |
| Daily Mean | 712.7 | 710.5 | 708.9 | 700.3 | 713.8 | 719.3 | 718.1 | 713.3 | 722.7 | 725.9 | 721.0 | 720.3 | 712.1 | 703.2 | 706.6 | 700.0 | 695.3 | 705.7 | 694.7 | 674.8 | 681.0 | 692.9 | 705.7 | 706.5 | | | | 703.9 | 702.2 | 707.4 | 707.6 | |

COSMIC RAY RECORDS

Station *Mawson*
 Year *1961*
 Month *August*

Telescope No. 2
 Zenith Angle *45°*
 Absorber *10 cm Pb*

Geometry ($l \times f$) \times *1.5 m*
 Scale Factor *64*
 Azimuth *Geomagnetic WEST*

TABULATED Hourly Count Totals

TABLE 32

| Date Hour GMT | 01 | 02 | 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 | |
|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|----|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|
| 01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 02 | 709 | 720 | 709 | 707 | 705 | 708 | 718 | 714 | 719 | 718 | 715 | 716 | 723 | 707 | RF | RF | 730 | 728 | 725 | 730 | 728 | 721 | 708 | 710 | 707 | 719 | 735 | 738 | 730 | 708 | 679 | |
| 03 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 04 | 712 | 725 | 714 | 706 | 704 | 706 | 711 | 714 | 718 | 713 | 708 | 717 | 716 | 705 | | | 730 | 732 | 730 | 723 | 719 | 713 | 704 | 714 | 703 | 718 | 741 | 742 | 724 | 708 | 682 | |
| 05 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 06 | 713 | 716 | 710 | 704 | 704 | 704 | 710 | 708 | 718 | 721 | 708 | 719 | 715 | 702 | | | 733 | 728 | 724 | 717 | 725 | 712 | 706 | 713 | 705 | 721 | 737 | 738 | 725 | 704 | 676 | |
| 07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 08 | 710 | 718 | 706 | 705 | 707 | 702 | 713 | 717 | 724 | 726 | 714 | 711 | 713 | 703 | | | 732 | 720 | 731 | 722 | 720 | 713 | 706 | 717 | 711 | 724 | 740 | 737 | 718 | 699 | 686 | |
| 09 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | 713 | 720 | 710 | 706 | 705 | 706 | 711 | 717 | 723 | 725 | 707 | 729 | 719 | 705 | | | 737 | 726 | 728 | 725 | 720 | 715 | 708 | 716 | 711 | 735 | 747 | 736 | 718 | 703 | 670 | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | 715 | 716 | 710 | 712 | 703 | 708 | 708 | 717 | 727 | 729 | 706 | 725 | 715 | 699 | | | 741 | 728 | 731 | 720 | 729 | 717 | 707 | 710 | 714 | 730 | 739 | 750 | 721 | 699 | 674 | |
| 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | 720 | 718 | 713 | 705 | 708 | 706 | 711 | 717 | 724 | 724 | 710 | 727 | 717 | RF | | | 737 | 720 | 726 | 721 | 725 | 718 | 708 | 713 | 710 | 731 | 741 | 736 | 718 | 701 | 677 | |
| 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | 715 | 713 | 714 | 704 | 711 | 710 | 708 | 713 | 731 | 724 | 714 | 727 | 715 | | | | 744 | 724 | 726 | 724 | 723 | 711 | 709 | 708 | 712 | 733 | 744 | 735 | 717 | 693 | 670 | |
| 17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | 717 | 716 | 712 | 712 | 704 | 712 | 708 | 717 | 734 | 720 | 702 | 721 | 712 | | | | 731 | 735 | 731 | 719 | 726 | 723 | 720 | 708 | 718 | 711 | 728 | 743 | 737 | 720 | 691 | 676 |
| 19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | 724 | 714 | 713 | 706 | 707 | 718 | 713 | 722 | 722 | 722 | 714 | 723 | 709 | | | | 731 | 732 | 730 | 725 | 728 | 727 | 718 | 708 | 708 | 719 | 733 | 742 | 738 | 712 | 687 | 673 |
| 21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | 726 | 711 | 707 | 704 | 698 | 710 | 703 | 720 | 724 | 716 | 711 | 718 | 710 | | | | 730 | 729 | 727 | 725 | 728 | 723 | 713 | 710 | 714 | 712 | 737 | 738 | 731 | 717 | 692 | 672 |
| 23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | 725 | 714 | 709 | 703 | 704 | 710 | 712 | 716 | 724 | 713 | 716 | 723 | 703 | | | | 731 | 736 | 723 | 717 | 723 | 721 | 711 | 709 | 710 | 722 | 731 | 736 | 728 | 708 | 690 | 672 |
| Total | 8599 | 8601 | 8527 | 8474 | 8460 | 8500 | 8526 | 8592 | 8668 | 8651 | 8525 | 8656 | 8567 | | | | 8916 | 8717 | 8707 | 8687 | 8683 | 8582 | 8491 | 8551 | 8537 | 8740 | 8983 | 8846 | 8628 | 8375 | 8107 | |
| Daily Mean | 716.6 | 716.7 | 710.6 | 706.2 | 705.0 | 708.3 | 710.5 | 716.0 | 724.0 | 720.9 | 710.4 | 721.3 | 713.9 | | | | 734.7 | 726.4 | 725.6 | 723.9 | 723.6 | 715.2 | 707.6 | 712.6 | 711.4 | 728.3 | 740.3 | 737.2 | 719.0 | 697.9 | 675.6 | |

COSMIC RAY RECORDS

TABLE 33

Station *Mowson*
 Year *1961*
 Month *September*

Telescope No. *2*
 Zenith Angle *45°*
 Absorber *10 cm Pb*

Geometry $(l \times l) \times 1.5 \text{ m}$
 Scale Factor *64*
 Azimuth *Geomagnetic WEST*

TABULATED Hourly Count Totals

| Date | 01 | 02 | 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 |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| 01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 02 | 676 | 683 | 709 | 713 | 719 | 717 | 707 | 699 | 689 | 692 | 700 | 691 | 684 | 684 | 707 | 695 | 713 | 719 | 709 | 705 | 708 | 716 | 726 | 720 | 700 | 729 | 720 | 724 | 739 | 710 |
| 03 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 04 | 674 | 688 | 705 | 713 | 713 | 716 | 707 | 690 | 683 | 697 | 702 | 689 | 683 | 686 | 701 | 702 | 714 | 712 | 710 | 704 | 709 | 718 | 725 | 721 | 697 | 737 | 712 | 736 | 734 | 707 |
| 05 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 06 | 672 | 683 | 715 | 719 | 718 | 716 | 709 | 699 | 690 | 690 | 700 | 687 | 681 | 687 | 703 | 698 | 713 | 715 | 715 | 716 | 706 | 709 | 727 | 716 | 702 | 728 | 713 | 733 | 733 | 708 |
| 07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 08 | 682 | 693 | 704 | 711 | 714 | 713 | 711 | 695 | 695 | 698 | 693 | 692 | 690 | 694 | 703 | 705 | 716 | 715 | 705 | 703 | 712 | 715 | 732 | 711 | 710 | 732 | 716 | 739 | 728 | 711 |
| 09 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | 675 | 702 | 714 | 721 | 718 | 710 | 710 | 696 | 691 | 692 | 690 | 688 | 689 | 683 | 702 | 697 | 713 | 705 | 709 | 714 | 712 | 719 | 725 | 716 | 709 | 738 | 717 | 738 | 725 | 709 |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | 679 | 700 | 716 | 714 | 715 | 710 | 707 | 697 | 694 | 694 | 694 | 690 | 685 | 699 | 704 | 709 | 715 | 714 | 708 | 709 | 717 | 715 | 728 | 708 | 714 | 729 | 714 | 744 | 728 | 702 |
| 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | 680 | 702 | 711 | 712 | 715 | 710 | 709 | 701 | 694 | 695 | 692 | 696 | 687 | 696 | 710 | 708 | 712 | 715 | 708 | 712 | 709 | 718 | 726 | 706 | 720 | 732 | 708 | 744 | 724 | 703 |
| 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | 679 | 701 | 713 | 717 | 703 | 707 | 695 | 690 | 694 | 705 | 693 | 694 | 690 | 698 | 704 | 709 | 715 | 715 | 714 | 718 | 711 | 725 | 731 | 710 | 722 | 724 | 719 | 746 | 718 | 694 |
| 17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | 678 | 701 | 716 | 722 | 713 | 713 | 709 | 691 | 698 | 700 | 688 | 690 | 688 | 703 | 702 | 710 | 713 | 718 | 711 | 706 | 711 | 715 | 724 | 714 | 721 | 717 | 714 | 751 | 721 | 697 |
| 19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | 678 | 705 | 713 | 716 | 717 | 708 | 705 | 690 | 695 | 702 | 694 | 686 | 694 | 705 | 702 | 712 | 710 | 721 | 704 | 701 | 715 | 715 | 724 | 706 | 730 | 718 | 725 | 744 | 724 | 697 |
| 21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | 681 | 708 | 712 | 724 | 716 | 703 | 696 | 686 | 696 | 708 | 686 | 688 | 691 | 702 | 703 | 712 | 711 | 714 | 706 | 707 | 716 | 716 | 722 | 703 | 736 | 717 | 724 | 745 | 716 | 692 |
| 23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | 687 | 708 | 713 | 717 | 712 | 710 | 698 | 687 | 697 | 703 | 689 | 685 | 681 | 700 | 699 | 712 | 717 | 713 | 698 | 706 | 709 | 724 | 720 | 704 | 733 | 717 | 721 | 737 | 715 | 690 |
| Total | 8141 | 8374 | 8541 | 8599 | 8573 | 8533 | 8463 | 8321 | 8316 | 8376 | 8371 | 8276 | 8243 | 8337 | 8440 | 8469 | 8562 | 8576 | 8497 | 8501 | 8535 | 8605 | 8710 | 8535 | 8594 | 8718 | 8603 | 8881 | 8705 | 8430 |
| Daily Mean | 678.4 | 697.8 | 711.7 | 716.6 | 714.4 | 711.1 | 705.3 | 693.4 | 698.0 | 693.4 | 689.7 | 686.9 | 694.7 | 703.3 | 705.7 | 713.5 | 714.7 | 708.1 | 708.4 | 711.3 | 717.1 | 725.8 | 711.3 | 716.2 | 726.5 | 716.9 | 740.1 | 725.4 | 701.7 | |

COSMIC RAY RECORDS

Station *Mawson*
Year *1961*
Month *October*

Telescope No. *2*
Zenith Angle *45°*
Absorber *10 cm Pb*

Geometry $(l \times l) \times 1.5 m$
Scale Factor *64*
Azimuth *Geomagnetic WEST*

TABULATED Hourly Count Totals

TABLE 34

| Date | | 01 | 02 | 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 |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-----|
| Hour | GMT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 02 | 686 | 705 | 714 | 712 | 700 | 694 | 697 | 702 | 707 | 706 | 700 | 702 | 702 | 712 | 711 | 711 | 706 | 709 | 718 | 719 | 728 | 720 | 720 | 717 | 716 | 715 | 714 | 699 | 700 | 700 | 710 | 709 |
| 03 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 04 | 683 | 708 | 723 | 709 | 688 | 690 | 702 | 696 | 704 | 698 | 708 | 701 | 715 | 706 | 710 | 700 | 708 | 727 | 723 | 727 | 725 | 719 | 709 | 715 | 713 | 708 | 696 | 701 | 703 | 709 | 713 | |
| 05 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 06 | 676 | 716 | 725 | 713 | 693 | 693 | 707 | 707 | 701 | 700 | 701 | 706 | 710 | 708 | 711 | 700 | 711 | 717 | 731 | 732 | 723 | 713 | 717 | 713 | 713 | 715 | 703 | 700 | 704 | 707 | 710 | |
| 07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 08 | 682 | 710 | 720 | 716 | 684 | 694 | 700 | 706 | 703 | 708 | 699 | 707 | 712 | 706 | 712 | 702 | 706 | 721 | 722 | 725 | 723 | 720 | 721 | 718 | 704 | 709 | 698 | 699 | 707 | 706 | 711 | |
| 09 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | 687 | 713 | 719 | 709 | 686 | 704 | 703 | 708 | 705 | 706 | 704 | 707 | 707 | 709 | 711 | 705 | 713 | 719 | 727 | 726 | 721 | 717 | 712 | 718 | 708 | 708 | 695 | 703 | 704 | 704 | 709 | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | 692 | 722 | 711 | 709 | 681 | 698 | 703 | 708 | 707 | 700 | 707 | 702 | 710 | 699 | 705 | 702 | 708 | 724 | 722 | 731 | 727 | 717 | 715 | 717 | 718 | 706 | 697 | 707 | 709 | 706 | 709 | |
| 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | 692 | 715 | 716 | 704 | 686 | 703 | 703 | 706 | 706 | 702 | 702 | 710 | 706 | 710 | 709 | 704 | 710 | 731 | 722 | 726 | 726 | 715 | 713 | 711 | 708 | 714 | 700 | 691 | 711 | 707 | 706 | |
| 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | 688 | 717 | 713 | 702 | 681 | 698 | 700 | 708 | 706 | 708 | 701 | 705 | 708 | 709 | 709 | 709 | 712 | 722 | 727 | 723 | 725 | 720 | 717 | 720 | 707 | 711 | 698 | 688 | 706 | 707 | 708 | |
| 17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | 684 | 712 | 708 | 700 | 683 | 693 | 704 | 708 | 705 | 703 | 704 | 708 | 702 | 706 | 706 | 705 | 707 | 716 | 724 | 724 | 723 | 724 | 718 | 714 | 718 | 710 | 705 | 695 | 691 | 701 | 710 | 702 |
| 19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | 698 | 717 | 711 | 704 | 685 | 692 | 700 | 708 | 702 | 701 | 700 | 705 | 703 | 703 | 703 | 708 | 705 | 727 | 725 | 718 | 724 | 724 | 720 | 713 | 712 | 709 | 696 | 695 | 712 | 706 | 704 | |
| 21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | 695 | 722 | 708 | 693 | 694 | 708 | 705 | 709 | 701 | 702 | 700 | 706 | 713 | 709 | 708 | 708 | 709 | 726 | 721 | 721 | 722 | 710 | 720 | 720 | 712 | 705 | 698 | 702 | 707 | 711 | 709 | |
| 23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | 701 | 722 | 711 | 700 | 700 | 704 | 704 | 711 | 703 | 699 | 699 | 706 | 702 | 711 | 706 | 710 | 714 | 723 | 731 | 723 | 714 | 715 | 717 | 712 | 707 | 707 | 697 | 705 | 706 | 709 | 703 | |
| Total | 8264 | 8579 | 8471 | 8261 | 8371 | 8428 | 8477 | 8450 | 8433 | 8425 | 8465 | 8500 | 8487 | 8505 | 8458 | 8521 | 8679 | 8694 | 8703 | 8674 | 8608 | 8592 | 8591 | 8527 | 8511 | 8372 | 8382 | 8470 | 8492 | 8493 | | |
| Daily Mean | 688.7 | 714.9 | 705.9 | 688.4 | 697.6 | 702.3 | 706.4 | 704.2 | 702.7 | 702.1 | 705.4 | 708.3 | 707.3 | 708.7 | 704.8 | 710.1 | 723.3 | 724.5 | 725.3 | 722.8 | 717.3 | 716.0 | 715.9 | 710.6 | 709.3 | 697.7 | 698.5 | 705.8 | 707.7 | 707.7 | | |

COSMIC RAY RECORDS

TABLE 35

TABLULATED Hourly Count Totals

Telescope No. 2
Year 1961
Absorber 10 cm Pb
Azimuth Geomagnetic WEST

Geometry $(l \times l) \times 1.5$ m
Scale Factor 64

Station Mawson
Year 1961
Month November

| Date | 01 | 02 | 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 | |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-----|-------|-------|-------|-------|-------|-------|-------|-----|--|
| 01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 02 | 698 | 709 | 713 | 701 | 703 | 704 | 709 | 699 | 712 | 718 | 705 | 699 | 705 | 713 | 707 | 692 | 684 | 699 | 697 | 690 | 681 | 685 | 691 | 693 | 684 | 691 | 691 | 689 | 692 | 700 | |
| 03 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 04 | 702 | 706 | 713 | 708 | 708 | 700 | 705 | 703 | 722 | 717 | 705 | 697 | 707 | 714 | 707 | 678 | 686 | 702 | 696 | 692 | 681 | 684 | RF | 698 | 584 | 686 | 686 | 684 | 693 | 696 | |
| 05 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 06 | 694 | 711 | 709 | 699 | 708 | 702 | 701 | 702 | 718 | 717 | 710 | 692 | 701 | 711 | 696 | 688 | 685 | 697 | 691 | 691 | 683 | 684 | | 694 | 683 | 691 | 691 | 689 | 694 | 696 | |
| 07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 08 | 698 | 709 | 700 | 699 | 706 | 699 | 706 | 701 | 714 | 715 | 708 | 697 | 699 | 706 | 697 | 686 | 686 | 699 | 694 | 689 | 680 | 692 | 704 | 696 | 689 | 696 | 688 | 688 | 693 | 687 | |
| 09 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | 702 | 711 | 708 | 707 | 704 | 698 | 701 | 700 | 717 | 716 | 702 | 697 | 705 | 711 | 700 | 677 | 686 | 697 | 697 | 689 | 679 | 685 | 702 | 694 | 685 | 694 | 691 | 689 | 684 | 691 | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | 699 | 709 | 704 | 701 | 705 | 703 | 707 | 704 | 722 | RF | 698 | 700 | 706 | 703 | 699 | 687 | 685 | 698 | 693 | 693 | 680 | RF | 694 | 691 | 680 | 698 | 687 | 693 | 687 | 702 | |
| 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | 705 | 708 | 709 | 702 | 703 | 697 | 700 | 709 | 722 | | 694 | 695 | 707 | 708 | 697 | 680 | 694 | 692 | 694 | 686 | 683 | | 695 | 690 | 685 | 692 | 687 | 689 | 698 | 696 | |
| 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | 695 | 702 | 703 | 695 | 701 | 710 | 694 | 707 | 719 | 715 | 702 | 693 | 706 | 708 | 695 | 685 | 687 | 700 | 693 | 689 | 677 | 695 | 699 | 683 | 694 | 692 | 688 | 697 | 695 | 697 | |
| 17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | 706 | 709 | 707 | 705 | 707 | 704 | 701 | 703 | 715 | 712 | 697 | 699 | 713 | 704 | 696 | 684 | 691 | 689 | 692 | 688 | 675 | 689 | 696 | 680 | 686 | 692 | 681 | 689 | 697 | 697 | |
| 19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | 706 | 707 | 707 | 704 | 702 | 710 | 694 | 708 | 717 | 706 | 695 | 702 | 715 | 700 | 693 | 683 | 693 | 699 | 693 | 689 | 681 | 694 | 698 | 682 | 685 | 693 | 682 | 690 | 698 | 686 | |
| 21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | 702 | 712 | 701 | 701 | 703 | 698 | 698 | 714 | 716 | 710 | 698 | 697 | 712 | 699 | 692 | 681 | 693 | 693 | 694 | 681 | 684 | 693 | 692 | 681 | 689 | 689 | 683 | 694 | 698 | 693 | |
| 23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | 709 | 713 | 702 | 706 | 706 | 702 | 692 | 710 | 724 | 715 | 698 | 697 | 713 | 697 | 694 | 683 | 693 | 694 | 694 | 687 | 680 | 695 | 700 | 687 | 690 | 689 | 686 | 695 | 694 | 693 | |
| Total | 8416 | 8506 | 8476 | 8428 | 8456 | 8427 | 8408 | 8460 | 8618 | 8412 | 8365 | 8489 | 8474 | 8373 | 8204 | 8263 | 8359 | 8328 | 8264 | 8164 | | | 8269 | 8234 | 8303 | 8241 | 8286 | 8323 | 8334 | | |
| Daily Mean | 701.3 | 708.8 | 706.3 | 702.3 | 704.7 | 702.3 | 700.7 | 705.0 | 718.2 | 701.0 | 697.1 | 707.4 | 706.2 | 697.7 | 683.7 | 688.6 | 696.6 | 694.0 | 688.7 | 680.3 | | | 689.1 | 685.2 | 691.9 | 686.7 | 690.5 | 693.7 | 694.5 | | |

COSMIC RAY RECOTDS

TABLE 36

Station *Mawson*
 Year *1961*
 Month *December*

Telescope No. *2*
 Zenith Angle *45°*
 Absorber *10 cm Pb*

Geometry (*l × l*) × *1.5 m*
 Scale Factor *64*
 Azimuth *Geomagnetic WEST*

TABULATED Hourly Count Totals

| Hour GMT | 01 | 02 | 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 | |
|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-----|--|
| 01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 02 | 689 | 681 | 699 | 693 | 697 | 688 | 705 | 704 | 694 | 701 | 692 | 690 | 697 | 696 | 696 | 703 | 695 | 696 | 696 | 703 | 697 | 696 | 686 | 694 | 683 | 685 | 683 | 692 | 704 | 702 | 705 | |
| 03 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 04 | 684 | 691 | 685 | 694 | 693 | 695 | 709 | 705 | 697 | 704 | 699 | 689 | 699 | 699 | 695 | 698 | 700 | 693 | 692 | 703 | 691 | 697 | 687 | 684 | 680 | 691 | 689 | 695 | 708 | 706 | 711 | |
| 05 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 06 | 691 | 684 | 689 | 694 | 689 | 696 | 697 | 707 | 706 | 698 | 703 | 687 | 696 | 707 | 691 | 697 | 702 | 698 | 697 | 706 | 702 | 697 | 687 | 684 | 681 | 687 | 688 | 698 | 699 | 704 | 706 | |
| 07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 08 | 693 | 686 | 686 | 691 | 696 | 690 | 696 | 710 | 703 | 693 | 702 | 693 | 691 | 695 | 695 | 701 | 694 | 692 | 698 | 708 | 696 | 697 | 685 | 684 | 679 | 689 | 687 | RF | 703 | 707 | 707 | |
| 09 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | 699 | 686 | 687 | 691 | 690 | 693 | 696 | 712 | 695 | 695 | 707 | 690 | 690 | 691 | 689 | 698 | 695 | 699 | 702 | 703 | 699 | 695 | 690 | 686 | 689 | 691 | 692 | 692 | 701 | 700 | RF | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | 694 | 686 | 697 | 697 | 695 | 685 | 697 | 708 | 693 | 695 | 698 | 689 | 694 | 701 | 698 | 707 | 694 | 695 | 694 | 701 | 701 | 693 | 682 | 685 | 686 | 686 | 689 | 697 | 697 | 701 | | |
| 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | 688 | 675 | 694 | 695 | 693 | 694 | 700 | 713 | 695 | 695 | 703 | 690 | 694 | 696 | 694 | 700 | 690 | 690 | 698 | 696 | 699 | 695 | 688 | 688 | 685 | 687 | 690 | 702 | 701 | 703 | | |
| 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | 695 | 677 | 698 | 685 | 694 | 688 | 703 | 715 | 693 | 693 | 698 | 685 | 693 | 699 | 698 | 704 | 696 | 690 | 699 | 702 | 703 | 699 | 687 | 679 | 682 | 685 | 687 | 704 | 699 | 702 | | |
| 17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | 692 | 675 | 689 | 693 | 693 | 694 | 704 | 708 | 689 | 695 | 698 | 690 | 696 | 701 | 697 | 709 | 698 | 692 | 703 | 700 | 691 | 689 | 684 | 676 | 687 | 687 | 685 | 700 | 703 | 704 | | |
| 19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | 686 | 682 | 693 | 696 | 687 | 684 | 700 | 707 | 690 | 703 | 696 | 683 | 695 | 695 | 704 | 702 | 700 | 692 | 702 | 704 | 697 | 688 | 686 | 689 | 685 | 691 | 689 | 699 | 703 | 709 | | |
| 21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | 686 | 689 | 697 | 687 | 685 | 687 | 702 | 707 | 693 | 703 | 695 | 689 | 695 | 693 | 689 | 697 | 689 | 695 | 707 | 702 | 703 | 689 | 684 | 678 | 687 | 689 | 690 | 698 | 702 | 704 | 706 | |
| 23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | 680 | 683 | 695 | 690 | 694 | 689 | 704 | 703 | 705 | 707 | 698 | 684 | 692 | 690 | 702 | 702 | 694 | 694 | 705 | 702 | 695 | 691 | 680 | 675 | 685 | 694 | 686 | 703 | 704 | 713 | 712 | |
| Total | 8277 | 8203 | 8291 | 8312 | 8302 | 8292 | 8362 | 8504 | 8371 | 8368 | 8403 | 8271 | 8315 | 8364 | 8348 | 8418 | 8347 | 8326 | 8393 | 8430 | 8374 | 8326 | 8226 | 8202 | 8209 | 8262 | 8255 | 8424 | 8455 | | | |
| Daily Mean | 689.7 | 683.6 | 690.9 | 692.7 | 691.8 | 691.0 | 698.5 | 708.7 | 697.6 | 697.3 | 700.3 | 689.3 | 692.9 | 697.0 | 695.7 | 701.5 | 695.6 | 693.8 | 695.4 | 702.5 | 697.8 | 693.8 | 685.5 | 683.5 | 684.1 | 688.5 | 687.9 | 702.0 | 704.6 | | | |

TABLE 37

COSMIC RAY RECORDS
 Station *Mawson*
 Year *1961*
 Month *January*

Telescope No. *3*
 Zenith Angle *45°*
 Absorber *10 cm Pb*

Geometry $(0.4 \times 0.4) \times 1.5$ m
 Scale Factor *64*
 Azimuth *Geomagnetic EAST*

TABULATED Hourly Count Totals

| Date | 01 | 02 | 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 | |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|
| Hour GMT | 106 | 106 | 103 | 106 | 107 | 106 | 102 | 103 | 105 | 106 | 107 | 109 | 104 | 107 | 107 | 104 | 106 | 108 | 104 | 105 | 102 | 107 | 106 | 107 | 112 | 105 | 105 | 107 | 107 | 104 | 104 | |
| 02 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 03 | 105 | 103 | 104 | 105 | 104 | 103 | 103 | 105 | 104 | 101 | 107 | 106 | 107 | 105 | 107 | 106 | 105 | 104 | 104 | 105 | 105 | 104 | 104 | 107 | 107 | 106 | 106 | 107 | 105 | 103 | 105 | |
| 04 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 05 | 107 | 106 | 104 | 107 | 105 | 104 | 106 | 104 | 108 | 105 | 104 | 107 | 107 | 106 | 106 | 106 | 105 | 105 | 105 | 106 | 104 | 103 | 103 | 107 | 108 | 111 | 108 | 110 | 104 | 104 | 107 | |
| 06 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 07 | 106 | 103 | 104 | 105 | 104 | 103 | 104 | 108 | 105 | 104 | 105 | 106 | 106 | 107 | 106 | 107 | 105 | 105 | 105 | 103 | 106 | 106 | 106 | 106 | 104 | 106 | 108 | 108 | 106 | 105 | 103 | 106 |
| 08 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 09 | 107 | 106 | 106 | 104 | 104 | 104 | 103 | 107 | 107 | 105 | 108 | 108 | 107 | 107 | 104 | 108 | 105 | 107 | 103 | 106 | 105 | 106 | 106 | 106 | 106 | 107 | 108 | 106 | 107 | 105 | 106 | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | 106 | 104 | 108 | 108 | 107 | 105 | 102 | 109 | 106 | 107 | 109 | 108 | 107 | 106 | 106 | 107 | 108 | 107 | 106 | 103 | 106 | 107 | 106 | 108 | 111 | 106 | 107 | 111 | 105 | 105 | 106 | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | 105 | 108 | 104 | 105 | 106 | 105 | 106 | 104 | 104 | 103 | 107 | 108 | 107 | 108 | 105 | 109 | 108 | 105 | 106 | 104 | 107 | 107 | 108 | 105 | 109 | 106 | 107 | 109 | 106 | 102 | 107 | |
| 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | 107 | 106 | 103 | 103 | 106 | 106 | 103 | 104 | 100 | 109 | 106 | 107 | 107 | 104 | 107 | 106 | 105 | 107 | 106 | 106 | 105 | 107 | 105 | 108 | 109 | 106 | 106 | 109 | 105 | 106 | 109 | |
| 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | 104 | 107 | 104 | 102 | 106 | 104 | 103 | 103 | 101 | 106 | 106 | 104 | 105 | 105 | 107 | 106 | 105 | 107 | 103 | 107 | 102 | 107 | 106 | 110 | 109 | 105 | 106 | 105 | 104 | 104 | 108 | |
| 18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | 106 | 104 | 105 | 105 | 109 | 101 | 104 | 106 | 104 | 107 | 107 | 106 | 105 | 107 | 106 | 106 | 103 | 107 | 101 | 102 | 105 | 105 | 106 | 108 | 108 | 108 | 109 | 109 | 104 | 105 | 105 | |
| 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | 104 | 106 | 104 | 107 | 104 | 102 | 106 | 108 | 107 | 107 | 105 | 107 | 107 | 106 | 106 | 108 | 105 | 106 | 103 | 105 | 106 | 104 | 106 | 108 | 109 | 106 | 109 | 109 | 104 | 107 | 109 | |
| 22 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23 | 105 | 105 | 105 | 107 | 106 | 104 | 105 | 106 | 105 | 107 | 105 | 109 | 108 | 105 | 109 | 104 | 107 | 106 | 106 | 102 | 108 | 106 | 106 | 107 | 107 | 106 | 110 | 107 | 107 | 106 | 106 | |
| 24 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total | 1268 | 1264 | 1254 | 1264 | 1268 | 1247 | 1247 | 1267 | 1256 | 1267 | 1276 | 1285 | 1277 | 1273 | 1276 | 1277 | 1267 | 1274 | 1252 | 1254 | 1261 | 1269 | 1268 | 1283 | 1302 | 1281 | 1287 | 1296 | 1261 | 1254 | 1278 | |
| Daily Mean | 105.7 | 105.3 | 104.5 | 105.3 | 105.7 | 103.9 | 103.9 | 105.6 | 104.7 | 105.6 | 106.3 | 107.1 | 106.4 | 106.1 | 106.3 | 106.4 | 105.6 | 106.2 | 104.3 | 104.5 | 105.1 | 105.7 | 105.7 | 106.9 | 108.5 | 106.7 | 107.3 | 108.0 | 105.1 | 104.5 | 106.5 | |

TABLE 39

COSMIC RAY RECORDS

Station *Mawson*
 Year *1961*
 Month *March*

Telescope No. *3*
 Zenith Angle *45°*
 Absorber *10 cm Pb*

Geometry $(0.4 \times 0.4) \times 1.5$ m
 Scale Factor *64*
 Azimuth *Geomagnetic EAST*

TABULATED Hourly Count Totals

| Date | 01 | 02 | 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 | |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-----|-----|--|
| 01 | 105 | 105 | 107 | 105 | 110 | 104 | 109 | 108 | 107 | 110 | 109 | 109 | 108 | 104 | 105 | 106 | 107 | 109 | 107 | 108 | 108 | 110 | 109 | 108 | 107 | 106 | 109 | 105 | 109 | 111 | RF | |
| 02 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 03 | 107 | 105 | 106 | 108 | 106 | 107 | 109 | 110 | 109 | 108 | 110 | 108 | 110 | 107 | 109 | 105 | 107 | 108 | 109 | 108 | 109 | 110 | 109 | 106 | 108 | 106 | 106 | 107 | 112 | 109 | 109 | |
| 04 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 05 | 105 | 103 | 108 | 104 | 108 | 105 | 112 | 110 | 108 | 111 | 108 | 109 | 106 | 107 | 107 | 106 | 108 | 108 | 108 | 112 | 111 | 110 | 110 | RF | 106 | 109 | 109 | 108 | 111 | 108 | 108 | |
| 06 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 07 | 105 | 107 | 108 | 107 | 107 | 106 | 110 | 105 | 108 | 110 | 110 | 107 | 106 | 107 | 106 | 106 | 108 | 105 | 104 | 105 | 109 | 107 | 107 | 108 | 108 | 108 | 109 | 106 | 110 | 110 | 106 | |
| 08 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 09 | 107 | 103 | 106 | 109 | 107 | 106 | 110 | 109 | 112 | 111 | 110 | 108 | 108 | 108 | 104 | 106 | 107 | 108 | 108 | 108 | 113 | 110 | 109 | 108 | 106 | 110 | 104 | 108 | 110 | 107 | 107 | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | 107 | 105 | 107 | 110 | 107 | 110 | 110 | 109 | 109 | 111 | 112 | 109 | 107 | 107 | 105 | 104 | 108 | 109 | 107 | 107 | 108 | 109 | 109 | 106 | 106 | 108 | 108 | 108 | 109 | 108 | 108 | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | 105 | 106 | 107 | 106 | 103 | 108 | 109 | 108 | 107 | 110 | 110 | 105 | 109 | 105 | 106 | 104 | 108 | 109 | 105 | 107 | 110 | 108 | 109 | 106 | 105 | 107 | 107 | 107 | 107 | 108 | 110 | |
| 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | 107 | 107 | 104 | 104 | 106 | 107 | 107 | 105 | 110 | 109 | 109 | 109 | 110 | 108 | 106 | 106 | 109 | 110 | 106 | 108 | 108 | 108 | 106 | 107 | 107 | 108 | 109 | 110 | 109 | 108 | 108 | |
| 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | 103 | 106 | 110 | 108 | 104 | 105 | 108 | 106 | 109 | 111 | 108 | 108 | 108 | 107 | 104 | 107 | 110 | 109 | 108 | 108 | 111 | 110 | 109 | 108 | 106 | 107 | 108 | 110 | 108 | 107 | 106 | |
| 18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | 104 | 107 | 107 | 107 | 105 | 105 | 109 | 108 | 106 | 109 | 107 | 106 | 107 | 107 | 106 | 107 | 106 | 108 | 106 | 108 | 108 | 109 | 109 | 105 | 107 | 108 | 108 | 106 | 112 | RF | 108 | |
| 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | 107 | 106 | 108 | 106 | 104 | 108 | 109 | 111 | 108 | 110 | 108 | 104 | 106 | 105 | 105 | 106 | 109 | 108 | 107 | 109 | 106 | 109 | 108 | 110 | 108 | 108 | 109 | 108 | 112 | 109 | 109 | |
| 22 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23 | 105 | 108 | 108 | 106 | 106 | 108 | 110 | 107 | 106 | 112 | 109 | 104 | 107 | 105 | 105 | 108 | 107 | 107 | 108 | 108 | 113 | 110 | 108 | 106 | 109 | 109 | 109 | 106 | 109 | 108 | 108 | |
| 24 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total | 1267 | 1268 | 1286 | 1280 | 1273 | 1279 | 1312 | 1296 | 1299 | 1322 | 1310 | 1286 | 1292 | 1277 | 1268 | 1272 | 1292 | 1298 | 1283 | 1292 | 1316 | 1311 | 1320 | 1283 | 1294 | 1295 | 1291 | 1318 | | | | |
| Daily Mean | 105.6 | 105.7 | 107.2 | 106.7 | 106.1 | 106.6 | 109.3 | 108.0 | 108.3 | 110.2 | 109.2 | 107.2 | 107.7 | 106.4 | 105.7 | 106.0 | 107.7 | 108.2 | 106.9 | 107.7 | 109.7 | 109.3 | 106.5 | 106.9 | 107.8 | 107.9 | 107.6 | 109.8 | | | | |

COSMIC RAY RECORDS

TABLE 40

Station *Mawson*
 Year *1961*
 Month *April*

Telescope No. *3*
 Zenith Angle *45°*
 Absorber *10 cm Pb*

Geometry $(0.4 \times 0.4) \times 1.5$ m

Scale Factor *64*

Azimuth *Geomagnetic EAST*

TABULATED Hourly Count Totals

| Date Hour GMT | Date | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-----|-----|-----|
| | 01 | 02 | 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 | |
| 01 | 109 | 107 | 104 | 105 | 107 | 107 | 105 | 107 | 103 | 107 | 106 | 106 | 107 | 108 | 106 | 106 | 108 | 103 | 106 | 108 | 108 | 108 | 106 | 108 | 108 | 109 | 111 | 110 | 109 | 112 | RF |
| 02 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 03 | 106 | 108 | 105 | 107 | 110 | 107 | 108 | 107 | 107 | 107 | 106 | 105 | 108 | 106 | 108 | 106 | 103 | 106 | 108 | 108 | 108 | 111 | 105 | 109 | 111 | 112 | 108 | 108 | 108 | 109 | |
| 04 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 05 | 108 | 109 | 106 | 106 | 109 | 108 | 108 | 109 | 101 | 106 | 107 | 105 | 108 | 108 | 103 | 105 | 104 | 106 | 107 | 110 | 110 | 108 | 107 | 108 | 109 | 110 | 108 | 110 | 108 | 110 | RF |
| 06 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 07 | 110 | 106 | 106 | 107 | 110 | 112 | 109 | 109 | 105 | 104 | 104 | 106 | 107 | 107 | 105 | 106 | 105 | 104 | 105 | 108 | 108 | 106 | 107 | 106 | 111 | 110 | 110 | 110 | 109 | | |
| 08 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 09 | 108 | 109 | 104 | 106 | 109 | 109 | 110 | 109 | 107 | 106 | 105 | 107 | 108 | 106 | 106 | 106 | 104 | 105 | 107 | 108 | 109 | 108 | 107 | 111 | 111 | 114 | 110 | 108 | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | 107 | 107 | 108 | 106 | 110 | 109 | 109 | 108 | 108 | 106 | 107 | 105 | 109 | 107 | 107 | 108 | 105 | 106 | 108 | 109 | 109 | 104 | 107 | 109 | 111 | 111 | 110 | 112 | 110 | | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | 108 | 109 | 108 | 110 | 110 | 109 | 108 | 109 | 105 | 108 | 107 | RF | 106 | 106 | 108 | 108 | 104 | 103 | 103 | 107 | 110 | 106 | 108 | 110 | 114 | 111 | 108 | 108 | 110 | 109 | |
| 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | 105 | 107 | 106 | 109 | 110 | 110 | 111 | 104 | 108 | 105 | 103 | 107 | 106 | 106 | 105 | 105 | 104 | 105 | 109 | 110 | 107 | 104 | 106 | 111 | 112 | 110 | 108 | 110 | 113 | 111 | |
| 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | 109 | 107 | 106 | 106 | 109 | 106 | 112 | 110 | 105 | 106 | 107 | 108 | 107 | 106 | 109 | 108 | 102 | 104 | 106 | 109 | 107 | 107 | 109 | 110 | 112 | 110 | 110 | 109 | 111 | 112 | |
| 18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | 106 | 108 | 104 | 107 | 107 | 107 | 107 | 109 | 106 | 104 | 105 | 106 | 111 | 103 | 107 | 104 | 104 | 106 | 106 | 110 | 104 | 108 | 109 | 111 | 109 | 109 | 110 | 113 | 110 | | |
| 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | 109 | 108 | 106 | 106 | 108 | 107 | 109 | 108 | 106 | 104 | 105 | 105 | 109 | 108 | 104 | 102 | 106 | 106 | 107 | 110 | 106 | 107 | 109 | 112 | 108 | 110 | 109 | 111 | 110 | 113 | |
| 22 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23 | 108 | 108 | 107 | 107 | 109 | 109 | 107 | 108 | 108 | 103 | 104 | 106 | 106 | 105 | 105 | 103 | 102 | 108 | 107 | 109 | 109 | 104 | 108 | 110 | 112 | 108 | 110 | 109 | 111 | 110 | 113 |
| 24 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total | 1293 | 1293 | 1270 | 1282 | 1308 | 1300 | 1303 | 1297 | 1269 | 1266 | 1266 | 1293 | 1276 | 1273 | 1267 | 1251 | 1260 | 1279 | 1303 | 1301 | 1277 | 1287 | 1313 | 1331 | 1329 | 1312 | 1318 | | | | |
| Daily Mean | 107.7 | 107.7 | 105.8 | 106.8 | 109.0 | 108.3 | 108.6 | 108.1 | 105.7 | 105.5 | 105.5 | 107.7 | 106.3 | 106.1 | 105.6 | 104.3 | 105.0 | 106.6 | 108.6 | 108.4 | 106.4 | 107.3 | 109.4 | 110.9 | 110.7 | 109.3 | 109.8 | | | | |

TABLE 41

COSMIC RAY RECORDS
 Station *Mawson*
 Year *1961*
 Month *May*

Telescope No. *3*
 Zenith Angle *45°*
 Absorber *10 cm Pb*

Geometry $(0.4 \times 0.4) \times 1.5 \text{ m}$
 Scale Factor *64*
 Azimuth *Geomagnetic EAST*

TABULATED Hourly Count Totals

| Hour GMT | 01 | 02 | 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 | |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 01 | 107 | 109 | 109 | 112 | 109 | 112 | 110 | 109 | 110 | 111 | 109 | 109 | 112 | 111 | 109 | 111 | 109 | 107 | 109 | 112 | 112 | 110 | 107 | 106 | 109 | 108 | 106 | 108 | 112 | 109 | 108 | |
| 02 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 03 | 109 | 111 | 107 | 112 | 112 | 111 | 109 | 110 | 110 | 112 | 111 | 110 | 110 | 107 | 111 | 111 | 107 | 109 | 109 | 108 | 111 | 110 | 108 | 108 | 107 | 108 | 109 | 106 | 110 | 105 | 108 | |
| 04 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 05 | 114 | 111 | 110 | 111 | 111 | 109 | 111 | 110 | 110 | 110 | 112 | 111 | 111 | 111 | 111 | 107 | 109 | 109 | 107 | 109 | 111 | 111 | 108 | 106 | 110 | 106 | 107 | 109 | 107 | 107 | 108 | |
| 06 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 07 | 111 | 108 | 111 | 110 | 110 | 109 | 111 | 112 | 110 | 112 | 108 | 112 | 111 | 107 | 113 | 111 | 109 | 109 | 109 | 110 | 112 | 109 | 108 | 105 | 108 | 106 | 103 | 105 | 107 | 107 | 109 | |
| 08 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 09 | 109 | 110 | 111 | 112 | 112 | 110 | 110 | 110 | 110 | 110 | 112 | 110 | 112 | 109 | 112 | 111 | 113 | 109 | 111 | 110 | 108 | 113 | 109 | 107 | 113 | 112 | 105 | 106 | 106 | 107 | 106 | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | 109 | 109 | 112 | 108 | 112 | 110 | 109 | 110 | 112 | 114 | 110 | 113 | 108 | 109 | 111 | 111 | 107 | 109 | 112 | 108 | 110 | 112 | 106 | 107 | 108 | 108 | 108 | 106 | 108 | 109 | 108 | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | 110 | 111 | 113 | 111 | 111 | 112 | 113 | 112 | 112 | 110 | 108 | 110 | 112 | 110 | 111 | 111 | 109 | 111 | 108 | 108 | 113 | 113 | 108 | 106 | 109 | 106 | 106 | 107 | 107 | 108 | 108 | |
| 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | 111 | 109 | 112 | 111 | 112 | 109 | 111 | 115 | 113 | 110 | 108 | 112 | 110 | 108 | 109 | 109 | 111 | 111 | 108 | 110 | 112 | 109 | 106 | 108 | 109 | 106 | 108 | 109 | 109 | 110 | 110 | |
| 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | 111 | 109 | 112 | 110 | 113 | 112 | 110 | 112 | 110 | 108 | 111 | 112 | 108 | 115 | 109 | 111 | 109 | 111 | 108 | 110 | 112 | 110 | 107 | 109 | 107 | 107 | 106 | 106 | 108 | 109 | 109 | |
| 18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | 111 | 109 | 114 | 112 | 113 | 110 | 109 | 111 | 110 | 111 | 109 | 110 | 110 | 112 | 111 | 109 | 107 | 109 | 111 | 110 | 113 | 113 | 108 | 109 | 107 | 106 | 107 | 107 | 107 | 109 | 110 | |
| 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | 111 | 112 | 112 | 110 | 112 | 111 | 111 | 112 | 110 | 109 | 111 | 110 | 109 | 111 | 113 | 111 | 111 | 112 | 112 | 111 | 113 | 108 | 109 | 108 | 108 | 106 | 109 | 106 | 109 | 106 | 107 | |
| 22 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23 | 109 | 111 | 112 | 111 | 112 | 111 | 113 | 110 | 110 | 111 | 112 | 111 | 110 | 112 | 113 | 107 | 109 | 109 | 112 | 110 | 113 | 108 | 108 | 110 | 108 | 105 | 107 | 108 | 107 | 105 | 107 | |
| 24 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total | 1322 | 1319 | 1335 | 1330 | 1339 | 1326 | 1327 | 1333 | 1327 | 1328 | 1317 | 1333 | 1320 | 1325 | 1332 | 1322 | 1306 | 1317 | 1317 | 1314 | 1345 | 1322 | 1290 | 1295 | 1302 | 1277 | 1282 | 1283 | 1297 | 1291 | 1298 | |
| Daily Mean | 110.2 | 109.9 | 111.3 | 110.8 | 111.6 | 110.5 | 110.6 | 111.1 | 110.6 | 111.1 | 110.6 | 110.7 | 109.7 | 111.1 | 110.0 | 110.4 | 111.0 | 110.2 | 108.8 | 109.7 | 109.7 | 112.1 | 110.2 | 107.5 | 107.9 | 108.5 | 106.4 | 106.8 | 106.9 | 108.1 | 107.6 | 108.2 |

COSMIC RAY RECORDS

Station Mawson
Year 1961
Month June

Telescope No. 3
Zenith Angle 45°
Absorber 10 cm Pb

Geometry (0.4 × 0.4) × 1.5 m
Scale Factor 64
Azimuth Geomagnetic EAST

TABLE 42
TABULATED Hourly Count Totals

| Date | 01 | 02 | 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 | | |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|--|--|
| 01 | 106 | 110 | 111 | 110 | 107 | 104 | 101 | 103 | 104 | 105 | 105 | 109 | 108 | 111 | 112 | 112 | 110 | 108 | 113 | 109 | 107 | 107 | 109 | 107 | 106 | 112 | 112 | 108 | 110 | 111 | | |
| 02 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 03 | 107 | 108 | 109 | 110 | 107 | 104 | 102 | 103 | 107 | 110 | 110 | 109 | 109 | 114 | 114 | 112 | 110 | 112 | 111 | 113 | 109 | 111 | 109 | 108 | 109 | RF | 112 | 110 | 108 | 109 | | |
| 04 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 05 | 109 | 109 | 109 | 113 | 105 | 103 | 105 | 103 | 108 | 109 | 109 | 105 | 111 | 110 | 109 | 109 | 111 | 108 | 113 | 111 | 109 | 109 | 111 | 108 | 109 | | 110 | 110 | 111 | 111 | | |
| 06 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 07 | 108 | 108 | 110 | 112 | 104 | 107 | 104 | 102 | 105 | 106 | 106 | 109 | 109 | 108 | 111 | 110 | 111 | 110 | 111 | 111 | 111 | 113 | 110 | 107 | 109 | 108 | 109 | 110 | 110 | 110 | | |
| 08 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 09 | 107 | 110 | 112 | 111 | 107 | 107 | 104 | 105 | 104 | 105 | 105 | 111 | 110 | 111 | 110 | 113 | 109 | 110 | 111 | 109 | 109 | 111 | 109 | 107 | 109 | | 111 | 109 | 111 | 110 | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | 108 | 109 | 111 | 110 | 106 | 104 | 101 | 105 | 106 | 106 | 106 | 107 | 111 | 111 | 113 | 112 | 112 | 110 | 109 | 111 | 109 | 111 | 109 | 109 | 107 | 111 | 110 | 110 | 110 | 110 | | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | 107 | 109 | 111 | 112 | 106 | 102 | 105 | 106 | 103 | 105 | 105 | 108 | 111 | 111 | 110 | 114 | 113 | 115 | 111 | 111 | 109 | 111 | 109 | 111 | 109 | 116 | 110 | 108 | 110 | 109 | | |
| 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | 110 | 110 | 112 | 112 | 108 | 103 | 104 | 106 | 107 | 108 | 108 | 109 | 108 | 112 | 113 | 111 | 109 | 108 | 111 | 111 | 107 | 111 | 112 | 107 | 110 | 113 | 112 | 108 | 111 | 113 | | |
| 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | 107 | 110 | 114 | 110 | 102 | 102 | 103 | 106 | 106 | 108 | 108 | 109 | 109 | 113 | 113 | 111 | 113 | 109 | 111 | 113 | 113 | 110 | 107 | 110 | 110 | 110 | 109 | 108 | 110 | 113 | | |
| 18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | 108 | 107 | 110 | 108 | 106 | 104 | 103 | 107 | 106 | 108 | 108 | 109 | 108 | 110 | 109 | 113 | 111 | 113 | 111 | 109 | 109 | 113 | 109 | 107 | 111 | 114 | 110 | 109 | 113 | 113 | | |
| 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | 109 | 109 | 112 | 112 | 106 | 104 | 102 | 105 | 108 | 106 | 106 | 107 | 107 | 113 | 111 | 114 | 111 | 109 | 109 | 113 | 109 | 113 | 111 | 109 | 107 | 114 | 112 | 110 | 113 | 113 | | |
| 22 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23 | 107 | 111 | 113 | 109 | 103 | 104 | 103 | 107 | 106 | 108 | 108 | 110 | 111 | 110 | 111 | 109 | 112 | 115 | 109 | 109 | 109 | 109 | 109 | 107 | 112 | 109 | 111 | 107 | 113 | 110 | | |
| 24 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total | 1293 | 1310 | 1334 | 1329 | 1267 | 1248 | 1237 | 1258 | 1270 | 1284 | 1284 | 1302 | 1312 | 1330 | 1333 | 1341 | 1331 | 1328 | 1330 | 1330 | 1310 | 1332 | 1317 | 1294 | 1308 | 1327 | 1306 | 1330 | 1332 | | | |
| Daily Mean | 107.7 | 109.2 | 111.2 | 110.7 | 105.6 | 104.0 | 103.1 | 104.8 | 105.8 | 107.0 | 107.0 | 108.5 | 109.3 | 110.8 | 111.1 | 111.7 | 110.9 | 110.7 | 110.8 | 110.8 | 109.2 | 111.0 | 109.7 | 107.8 | 109.0 | 110.6 | 106.8 | 110.8 | 111.0 | | | |

TABLE 43

COSMIC RAY RECORDS

Station *Mawson*
 Year *1961*
 Month *July*

Telescope No. *3*
 Zenith Angle *45°*
 Absorber *10 cm Pb*

Geometry $(0.4 \times 0.4) \times 1.5$ m
 Scale Factor *64*
 Azimuth *Geomagnetic EAST*

TABULATED Hourly Count Totals

| Date | 01 | 02 | 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 |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|----|-------|-------|-------|-------|-----|
| Hour GMT | 113 | 113 | 111 | 109 | 113 | 112 | 115 | 111 | 112 | 114 | 115 | 112 | 116 | 106 | 115 | 109 | 109 | 111 | 112 | 107 | 106 | 109 | 110 | 110 | RF | RF | RF | 109 | 111 | 112 | 110 |
| 02 | 113 | 113 | 110 | 108 | 113 | 110 | 113 | 112 | 114 | 114 | 114 | 113 | 111 | 112 | 111 | 109 | 111 | 111 | 107 | 106 | 106 | 109 | 111 | | | | 110 | 111 | 107 | 111 | |
| 04 | 112 | 111 | 112 | 108 | 111 | 111 | 113 | 112 | 113 | 116 | 114 | 113 | 112 | 110 | 114 | 111 | 109 | 110 | 111 | 107 | 104 | 108 | 108 | 108 | | | 113 | 109 | 112 | 108 | |
| 06 | 111 | 110 | 111 | 109 | 113 | 112 | 112 | 110 | 111 | 114 | 113 | 113 | 112 | 110 | 110 | 110 | 111 | 112 | 109 | 107 | 102 | 106 | 112 | 109 | | | 111 | 111 | 110 | 111 | |
| 08 | 113 | 114 | 112 | 111 | 112 | 113 | 113 | 111 | 113 | 114 | 116 | 112 | 113 | 110 | 109 | 112 | 107 | 110 | 111 | 106 | 105 | 108 | 112 | 111 | | | 110 | 110 | 110 | 110 | |
| 10 | 111 | 114 | 110 | 109 | 114 | 113 | 112 | 111 | 113 | 113 | 114 | 113 | 113 | 110 | 111 | 111 | 107 | 110 | 109 | 103 | 106 | 110 | 112 | 111 | | | 109 | 109 | 111 | 111 | |
| 12 | 112 | 111 | 113 | 111 | 113 | 111 | 117 | 113 | 113 | 115 | 113 | 115 | 110 | 110 | 113 | 112 | 109 | 113 | 106 | 107 | 106 | 109 | 110 | 109 | | | 110 | 112 | 109 | 111 | |
| 14 | 113 | 114 | 110 | 109 | 113 | 113 | 114 | 112 | 113 | 115 | 113 | 113 | 116 | 108 | 111 | 111 | 107 | 111 | 109 | 105 | 106 | 106 | 113 | 110 | | | 110 | 109 | 109 | 112 | |
| 16 | 113 | 112 | 111 | 110 | 113 | 116 | 110 | 112 | 114 | 117 | 115 | 113 | 112 | 111 | 110 | 110 | 109 | 110 | 106 | 105 | 103 | 109 | 113 | 111 | | | 110 | 111 | 111 | 111 | |
| 18 | 112 | 112 | 111 | 111 | 114 | 115 | 111 | 112 | 113 | 115 | 115 | 113 | 107 | 114 | 110 | 111 | 109 | 109 | 110 | 104 | 108 | 109 | 111 | 113 | | | 111 | 107 | 112 | 109 | |
| 20 | 111 | 111 | 113 | 110 | 109 | 111 | 108 | 113 | 118 | 113 | 112 | 112 | 110 | 113 | 110 | 111 | 110 | 109 | 105 | 108 | 108 | 112 | 111 | 111 | | | 109 | 109 | 108 | 109 | |
| 22 | 108 | 113 | 109 | 110 | 112 | 115 | 112 | 116 | 115 | 113 | 115 | 113 | 115 | 110 | 114 | 113 | 111 | 113 | 111 | 107 | 105 | 108 | 109 | 111 | | | 110 | 111 | 112 | 111 | |
| 24 | 1342 | 1348 | 1333 | 1314 | 1348 | 1349 | 1353 | 1341 | 1363 | 1375 | 1367 | 1358 | 1344 | 1327 | 1338 | 1330 | 1309 | 1327 | 1306 | 1271 | 1268 | 1300 | 1330 | 1325 | | | 1322 | 1320 | 1323 | 1324 | |
| Daily Mean | 111.8 | 112.3 | 111.1 | 109.5 | 112.3 | 112.4 | 112.7 | 111.7 | 113.6 | 114.6 | 113.9 | 113.2 | 112.0 | 110.6 | 111.5 | 110.8 | 109.1 | 110.6 | 108.8 | 105.9 | 105.7 | 108.3 | 110.8 | 110.4 | | | 110.2 | 110.0 | 110.3 | 110.3 | |

COSMIC RAY RECORDS

TABLE 44

Station *Mowson*
 Year *1961*
 Month *August*

Telescope No. *3*
 Zenith Angle *45°*
 Absorber *10 cm Pb*

Geometry $(0.4 \times 0.4) \times 1.5$ m
 Scale Factor *64*
 Azimuth *Geomagnetic EAST*

TABULATED Hourly Count Totals

| Hour GMT | 01 | 02 | 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 | |
|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|--|
| 01 | 113 | 112 | 111 | 111 | 111 | 110 | 110 | 110 | 114 | 116 | 116 | 112 | 111 | 111 | RF | RF | 115 | 118 | 115 | 116 | 115 | 116 | 111 | 112 | 111 | 113 | 118 | 117 | 116 | 111 | 105 | |
| 02 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 03 | 112 | 113 | 110 | 113 | 112 | 110 | 111 | 111 | 111 | 115 | 112 | 114 | 114 | 113 | | | 120 | 115 | 115 | 114 | 114 | 112 | 110 | 112 | 112 | 114 | 119 | 117 | 115 | 110 | 106 | |
| 04 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 05 | 110 | 112 | 113 | 107 | 112 | 109 | 111 | 111 | 112 | 115 | 113 | 112 | 112 | 114 | | | 114 | 116 | 118 | 114 | 114 | 112 | 112 | 112 | 113 | 115 | 116 | 111 | 115 | 104 | | |
| 06 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 07 | 110 | 112 | 111 | 108 | 111 | 111 | 109 | 111 | 110 | 114 | 113 | 115 | 115 | 113 | | | 114 | 119 | 114 | 111 | 114 | 116 | 113 | 111 | 113 | 114 | 118 | 117 | 115 | 109 | 109 | |
| 08 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 09 | 110 | 112 | 110 | 111 | 112 | 110 | 111 | 110 | 113 | 117 | 111 | 112 | 114 | 111 | | | 117 | 112 | 118 | 112 | 111 | 111 | 112 | 110 | 113 | 116 | 115 | 117 | 116 | 112 | 107 | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | 103 | 115 | 111 | 108 | 109 | 110 | 111 | 110 | 115 | 116 | 113 | 114 | 113 | 112 | | | 116 | 116 | 112 | 116 | 114 | 109 | 112 | 112 | 114 | 114 | 118 | 116 | 114 | 109 | 107 | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | 113 | 112 | 109 | 112 | 113 | 111 | 112 | 111 | 116 | 116 | 114 | 117 | 113 | RF | | | 120 | 113 | 113 | 114 | 115 | 114 | 112 | 113 | 109 | 116 | 118 | 118 | 115 | 110 | 106 | |
| 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | 113 | 115 | 114 | 109 | 112 | 111 | 112 | 110 | 114 | 114 | 112 | 116 | 111 | | | | 118 | 113 | 118 | 116 | 116 | 112 | 113 | 111 | 114 | 114 | 118 | 117 | 114 | 106 | 109 | |
| 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | 111 | 114 | 111 | 110 | 110 | 112 | 109 | 111 | 115 | 115 | 113 | 115 | 111 | | | | 117 | 118 | 116 | 117 | 114 | 115 | 112 | 114 | 113 | 115 | 117 | 117 | 115 | 104 | 104 | |
| 18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | 114 | 111 | 110 | 112 | 111 | 112 | 111 | 110 | 113 | 114 | 111 | 112 | 114 | | | 117 | 117 | 114 | 114 | 114 | 112 | 114 | 112 | 111 | 111 | 112 | 116 | 112 | 114 | 107 | 104 | |
| 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | 116 | 111 | 112 | 112 | 109 | 108 | 111 | 113 | 117 | 116 | 115 | 113 | 112 | | | | 114 | 114 | 115 | 116 | 113 | 114 | 112 | 113 | 110 | 114 | 117 | 115 | 112 | 110 | 105 | |
| 22 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23 | 113 | 111 | 110 | 109 | 113 | 111 | 113 | 111 | 117 | 112 | 114 | 116 | 114 | | | | 115 | 115 | 113 | 117 | 114 | 112 | 113 | 111 | 114 | 113 | 116 | 111 | 111 | 107 | 107 | |
| 24 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total | 1343 | 1350 | 1332 | 1322 | 1335 | 1325 | 1331 | 1329 | 1367 | 1380 | 1357 | 1368 | 1354 | | | 1397 | 1382 | 1386 | 1371 | 1365 | 1356 | 1344 | 1342 | 1346 | 1368 | 1405 | 1390 | 1368 | 1310 | 1273 | | |
| Daily Mean | 111.9 | 112.5 | 111.0 | 110.2 | 111.3 | 110.4 | 110.9 | 110.7 | 113.9 | 115.0 | 113.1 | 114.0 | 112.8 | | | 116.4 | 115.2 | 115.5 | 114.3 | 113.7 | 113.0 | 112.0 | 111.8 | 112.2 | 114.0 | 117.1 | 115.8 | 114.0 | 109.2 | 106.1 | | |

TABLE 45

COSMIC RAY RECORDS
 Station *Mawson*
 Year *1961*
 Month *September*

Telescope No. *3*
 Zenith Angle *45°*
 Absorber *10 cm Pb*

Geometry $(0.4 \times 0.4) \times 1.5$ m
 Scale Factor *64*
 Azimuth *Geomagnetic EAST*

TABULATED Hourly Count Totals

| Date | 01 | 02 | 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 | |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|
| 01 | 104 | 107 | 111 | 109 | 113 | 110 | 110 | 109 | 106 | 111 | 113 | 109 | 107 | 107 | 108 | 110 | 109 | 113 | 112 | 109 | 111 | 111 | 112 | 113 | 110 | 114 | 113 | 111 | 116 | 113 | |
| 02 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 03 | 108 | 110 | 111 | 116 | 114 | 114 | 110 | 108 | 110 | 107 | 108 | 108 | 110 | 108 | 106 | 108 | 109 | 113 | 112 | 107 | 107 | 109 | 113 | 111 | 109 | 114 | 114 | 112 | 115 | 113 | |
| 04 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 05 | 108 | 104 | 113 | 112 | 112 | 111 | 113 | 109 | 107 | 109 | 108 | 108 | 107 | 108 | 108 | 109 | 109 | 113 | 111 | 107 | 112 | 111 | 113 | 112 | 111 | 114 | 113 | 113 | 117 | 110 | |
| 06 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 07 | 106 | 109 | 110 | 112 | 115 | 112 | 110 | 110 | 108 | 106 | 110 | 108 | 105 | 107 | 111 | 110 | 110 | 112 | 113 | 111 | 113 | 114 | 113 | 113 | 110 | 115 | 111 | 119 | 114 | 109 | |
| 08 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 09 | 105 | 108 | 113 | 111 | 111 | 112 | 110 | 109 | 107 | 109 | 106 | 109 | 107 | 108 | 110 | 110 | 111 | 113 | 113 | 111 | 111 | 112 | 113 | 112 | 114 | 114 | 113 | 116 | 116 | 109 | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | 107 | 107 | 115 | 114 | 112 | 112 | 112 | 112 | 106 | 107 | 109 | 108 | 110 | 112 | 107 | 109 | 110 | 110 | 110 | 109 | 111 | 116 | 116 | 112 | 108 | 114 | 111 | 116 | 111 | 110 | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | 108 | 109 | 112 | 113 | 111 | 115 | 113 | 108 | 107 | 111 | 109 | 108 | 109 | 107 | 111 | 110 | 115 | 115 | 113 | 112 | 111 | 114 | 113 | 114 | 112 | 115 | 114 | 117 | 114 | 108 | |
| 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | 106 | 108 | 112 | 114 | 112 | 112 | 110 | 106 | 108 | 112 | 108 | 108 | 108 | 108 | 109 | 109 | 111 | 113 | 114 | 112 | 110 | 109 | 113 | 110 | 114 | 115 | 110 | 117 | 113 | 108 | |
| 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | 104 | 108 | 110 | 113 | 114 | 112 | 108 | 108 | 108 | 111 | 107 | 108 | 109 | 108 | 110 | 112 | 113 | 113 | 109 | 113 | 110 | 114 | 115 | 113 | 114 | 113 | 111 | 118 | 113 | 110 | |
| 18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | 106 | 110 | 111 | 114 | 112 | 109 | 110 | 106 | 108 | 113 | 108 | 106 | 107 | 110 | 107 | 112 | 112 | 111 | 110 | 111 | 110 | 111 | 112 | 114 | 110 | 113 | 114 | 111 | 117 | 112 | 110 |
| 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | 107 | 113 | 112 | 111 | 111 | 108 | 109 | 108 | 111 | 108 | 108 | 107 | 110 | 110 | 110 | 111 | 110 | 113 | 109 | 110 | 112 | 113 | 116 | 111 | 111 | 115 | 111 | 115 | 111 | 106 | |
| 22 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23 | 108 | 112 | 111 | 112 | 110 | 113 | 108 | 106 | 109 | 109 | 107 | 110 | 110 | 104 | 107 | 107 | 113 | 111 | 109 | 109 | 110 | 112 | 114 | 111 | 115 | 114 | 114 | 115 | 113 | 110 | |
| 24 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total | 1277 | 1305 | 1341 | 1351 | 1347 | 1340 | 1323 | 1293 | 1296 | 1315 | 1302 | 1296 | 1301 | 1293 | 1306 | 1319 | 1334 | 1351 | 1333 | 1319 | 1328 | 1351 | 1362 | 1346 | 1341 | 1371 | 1346 | 1386 | 1365 | 1316 | |
| Daily Mean | 106.4 | 108.7 | 111.7 | 112.6 | 112.3 | 111.7 | 110.3 | 107.7 | 108.0 | 109.6 | 108.5 | 108.0 | 108.4 | 107.7 | 108.8 | 109.9 | 111.2 | 112.6 | 111.1 | 109.9 | 110.7 | 112.6 | 113.5 | 112.2 | 111.7 | 114.3 | 112.2 | 115.5 | 113.7 | 109.7 | |

COSMIC RAY RECORDS

Station *Mawson* Telescope No. *3* Geometry $(0.4 \times 0.4) \times 1.5$ m
 Year *1961* Zenith Angle *45°* Scale Factor *64*
 Month *October* Azimuth *Geomagnetic EAST*

TABLE 46

TABULATED Hourly Count Totals

| Date | 01 | 02 | 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 | |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|
| 01 | 108 | 110 | 112 | 110 | 110 | 108 | 109 | 110 | 110 | 108 | 111 | 110 | 111 | 108 | 112 | 111 | 110 | 110 | 112 | 114 | 114 | 114 | 113 | 110 | 110 | 111 | 111 | 110 | 113 | 111 | 114 | |
| 02 | 108 | 114 | 113 | 110 | 108 | 109 | 108 | 110 | 109 | 110 | 106 | 107 | 109 | 109 | 110 | 112 | 113 | 111 | 111 | 112 | 115 | 114 | 112 | 112 | 111 | 111 | 109 | 109 | 112 | 111 | 111 | |
| 03 | 108 | 114 | 113 | 113 | 109 | 105 | 109 | 110 | 111 | 108 | 110 | 110 | 112 | 109 | 109 | 109 | 109 | 111 | 114 | 114 | 110 | 113 | 109 | 114 | 113 | 114 | 110 | 111 | 109 | 110 | 110 | |
| 04 | 108 | 114 | 113 | 113 | 106 | 112 | 107 | 110 | 111 | 110 | 113 | 109 | 109 | 110 | 108 | 111 | 111 | 112 | 112 | 113 | 114 | 113 | 112 | 116 | 112 | 112 | 111 | 113 | 111 | 109 | 110 | |
| 05 | 110 | 111 | 111 | 114 | 107 | 112 | 111 | 110 | 107 | 110 | 108 | 111 | 110 | 111 | 110 | 108 | 111 | 111 | 113 | 115 | 112 | 118 | 113 | 110 | 109 | 111 | 110 | 110 | 109 | 111 | 110 | |
| 06 | 107 | 111 | 112 | 110 | 108 | 109 | 109 | 110 | 110 | 110 | 110 | 108 | 111 | 112 | 113 | 111 | 114 | 112 | 115 | 114 | 118 | 113 | 114 | 113 | 112 | 110 | 111 | 108 | 110 | 110 | 114 | |
| 07 | 106 | 111 | 112 | 109 | 106 | 111 | 110 | 109 | 112 | 110 | 109 | 110 | 111 | 109 | 112 | 111 | 111 | 110 | 114 | 115 | 114 | 114 | 112 | 108 | 110 | 109 | 108 | 109 | 107 | 110 | 111 | |
| 08 | 107 | 113 | 111 | 113 | 109 | 107 | 108 | 114 | 110 | 111 | 108 | 108 | 111 | 111 | 110 | 108 | 115 | 115 | 114 | 111 | 110 | 113 | 113 | 113 | 111 | 111 | 108 | 111 | 110 | 112 | 109 | |
| 09 | 109 | 110 | 109 | 111 | 107 | 109 | 110 | 109 | 108 | 110 | 110 | 110 | 111 | 112 | 112 | 113 | 113 | 114 | 114 | 114 | 114 | 114 | 109 | 113 | 112 | 110 | 110 | 108 | 109 | 113 | 110 | |
| 10 | 108 | 112 | 116 | 112 | 107 | 111 | 110 | 113 | 111 | 109 | 108 | 111 | 111 | 112 | 110 | 111 | 111 | 112 | 114 | 114 | 111 | 111 | 112 | 111 | 110 | 111 | 106 | 109 | 114 | 110 | 111 | |
| 11 | 110 | 111 | 112 | 111 | 109 | 111 | 111 | 110 | 109 | 110 | 111 | 112 | 110 | 107 | 111 | 111 | 111 | 114 | 117 | 114 | 114 | 114 | 109 | 113 | 112 | 108 | 107 | 108 | 109 | 112 | 109 | |
| 12 | 108 | 112 | 116 | 112 | 107 | 111 | 110 | 113 | 111 | 109 | 108 | 111 | 111 | 112 | 110 | 111 | 111 | 112 | 114 | 114 | 111 | 111 | 112 | 112 | 110 | 110 | 106 | 109 | 114 | 110 | 111 | |
| 13 | 110 | 111 | 112 | 111 | 109 | 111 | 110 | 109 | 108 | 110 | 110 | 110 | 111 | 112 | 112 | 113 | 113 | 113 | 114 | 114 | 114 | 114 | 109 | 113 | 112 | 108 | 107 | 108 | 109 | 112 | 109 | |
| 14 | 109 | 110 | 109 | 111 | 107 | 109 | 110 | 109 | 108 | 110 | 110 | 110 | 111 | 112 | 112 | 113 | 113 | 113 | 114 | 114 | 114 | 114 | 109 | 113 | 112 | 110 | 110 | 108 | 109 | 113 | 110 | |
| 15 | 109 | 112 | 111 | 111 | 109 | 110 | 107 | 109 | 108 | 110 | 110 | 110 | 107 | 111 | 113 | 113 | 113 | 114 | 114 | 114 | 114 | 114 | 109 | 113 | 112 | 108 | 107 | 108 | 109 | 112 | 109 | |
| 16 | 108 | 112 | 116 | 112 | 107 | 111 | 110 | 113 | 111 | 109 | 108 | 111 | 111 | 112 | 110 | 107 | 111 | 111 | 112 | 114 | 114 | 111 | 111 | 112 | 111 | 110 | 111 | 106 | 109 | 114 | 110 | 111 |
| 17 | 110 | 111 | 112 | 111 | 109 | 111 | 111 | 110 | 109 | 110 | 111 | 112 | 111 | 111 | 111 | 110 | 113 | 113 | 112 | 114 | 114 | 111 | 111 | 111 | 111 | 111 | 109 | 112 | 110 | 114 | 110 | 111 |
| 18 | 1298 | 1343 | 1345 | 1337 | 1295 | 1314 | 1309 | 1324 | 1317 | 1316 | 1314 | 1319 | 1323 | 1324 | 1330 | 1322 | 1330 | 1343 | 1361 | 1368 | 1358 | 1362 | 1339 | 1346 | 1334 | 1329 | 1310 | 1318 | 1323 | 1333 | 1329 | |
| Daily Mean | 108.2 | 111.9 | 112.1 | 111.4 | 107.9 | 109.5 | 109.1 | 110.3 | 109.7 | 109.7 | 109.5 | 109.9 | 110.3 | 110.3 | 110.8 | 110.2 | 110.8 | 111.9 | 113.4 | 114.0 | 113.2 | 113.5 | 111.6 | 112.2 | 111.2 | 110.7 | 109.2 | 109.8 | 110.3 | 111.1 | 110.7 | |

TABLE 47

COSMIC RAY RECORDS

Station *Mawson* Telescope No. 3
 Year 1961 Zenith Angle 45°
 Month November Absorber 10 cm Pb

Geometry (0.4 × 0.4) × 1.5 m
 Scale Factor 64
 Azimuth Geomagnetic EAST

TABULATED Hourly Count Totals

| Date | 01 | 02 | 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 |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-----|-----|-----|
| Hour GMT | 111 | 110 | 114 | 109 | 112 | 111 | 106 | 108 | 111 | 111 | 112 | 112 | 107 | 111 | 110 | 109 | 106 | 105 | 110 | 110 | 108 | 106 | 104 | 109 | 109 | 107 | 110 | 112 | 108 | 109 | 111 |
| 02 | 111 | 110 | 112 | 111 | 111 | 106 | 108 | 111 | 111 | 112 | 112 | 107 | 111 | 111 | 110 | 109 | 108 | 109 | 109 | 110 | 107 | 106 | 110 | 111 | 107 | 108 | 108 | 107 | 110 | 109 | |
| 04 | 111 | 113 | 111 | 112 | 111 | 110 | 109 | 110 | 113 | 112 | 110 | 111 | 110 | 110 | 111 | 107 | 105 | 108 | 110 | 109 | 106 | 104 | RF | 109 | 108 | 110 | 107 | 107 | 109 | 110 | |
| 06 | 109 | 109 | 111 | 111 | 111 | 109 | 111 | 108 | 111 | 113 | 110 | 109 | 111 | 110 | 109 | 108 | 106 | 110 | 109 | 108 | 108 | 105 | 110 | 107 | 106 | 106 | 106 | 109 | 109 | 110 | |
| 08 | 110 | 111 | 111 | 109 | 109 | 108 | 112 | 109 | 114 | 112 | 111 | 109 | 109 | 111 | 109 | 106 | 109 | 109 | 111 | 110 | 107 | 107 | 113 | 111 | 111 | 111 | 107 | 106 | 110 | 110 | |
| 10 | 112 | 110 | 110 | 113 | 109 | 111 | 110 | 109 | 113 | 112 | 111 | 112 | 110 | 113 | 113 | 108 | 108 | 108 | 112 | 110 | 108 | 107 | 111 | 109 | 108 | 106 | 107 | 105 | 110 | 108 | |
| 12 | 109 | 112 | 110 | 110 | 113 | 112 | 112 | 112 | 112 | RF | 111 | 109 | 109 | 112 | 112 | 108 | 109 | 108 | 109 | 110 | 108 | RF | 108 | 109 | 108 | 109 | 108 | 110 | 106 | 110 | |
| 14 | 109 | 112 | 111 | 109 | 110 | 113 | 111 | 108 | 112 | 112 | 108 | 114 | 113 | 110 | 109 | 108 | 110 | 108 | 110 | 108 | 110 | 107 | 111 | 108 | 108 | 104 | 108 | 107 | 108 | 110 | |
| 16 | 111 | 113 | 113 | 109 | 109 | 108 | 110 | 111 | 112 | 114 | 111 | 111 | 111 | 109 | 111 | 108 | 105 | 109 | 109 | 106 | 107 | 110 | 107 | 108 | 108 | 109 | 109 | 108 | 111 | 110 | |
| 18 | 111 | 112 | 111 | 111 | 109 | 110 | 109 | 112 | 112 | 111 | 108 | 109 | 110 | 113 | 109 | 108 | 108 | 110 | 109 | 106 | 109 | 107 | 109 | 106 | 109 | 110 | 108 | 110 | 111 | 109 | |
| 20 | 109 | 111 | 111 | 111 | 109 | 113 | 109 | 111 | 113 | 108 | 110 | 108 | 111 | 109 | 108 | 106 | 109 | 109 | 109 | 106 | 107 | 110 | 108 | 109 | 109 | 109 | 108 | 111 | 111 | 110 | |
| 22 | 110 | 112 | 110 | 111 | 107 | 111 | 105 | 109 | 112 | 111 | 110 | 111 | 113 | 111 | 108 | 108 | 108 | 108 | 106 | 109 | 107 | 108 | 109 | 105 | 107 | 109 | 108 | 110 | 112 | 107 | |
| 24 | 1323 | 1335 | 1335 | 1326 | 1320 | 1322 | 1318 | 1320 | 1345 | 1327 | 1312 | 1329 | 1332 | 1319 | 1291 | 1288 | 1308 | 1311 | 1302 | 1287 | 1304 | 1297 | 1301 | 1296 | 1298 | 1316 | 1314 | | | | |
| Daily Mean | 110.3 | 111.3 | 111.3 | 110.5 | 110.0 | 110.2 | 109.8 | 110.0 | 112.1 | 110.6 | 109.3 | 110.7 | 111.0 | 109.9 | 107.6 | 107.3 | 109.0 | 109.3 | 108.5 | 107.3 | 108.7 | 108.1 | 108.4 | 108.0 | 108.2 | 109.7 | 109.5 | | | | |

COSMIC RAY RECORDS

Station *Mawson*
 Year *1961*
 Month *December*

Telescope No. *3*
 Zenith Angle *45°*
 Absorber *10 cm Pb*

Geometry $(0.4 \times 0.4) \times 1.5$ m
 Scale Factor *64*
 Azimuth *Geomagnetic EAST*

TABLE 48
TABULATED Hourly Count Totals

| Date | 01 | 02 | 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 | | | |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-----|-----|-----|--|--|
| 01 | 108 | 108 | 108 | 107 | 109 | 112 | 109 | 110 | 111 | 109 | 110 | 110 | 108 | 107 | 109 | 109 | 110 | 107 | 111 | 111 | 111 | 109 | 110 | 108 | 106 | 107 | 109 | 107 | 107 | 108 | 114 | | | |
| 02 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 03 | 111 | 108 | 107 | 109 | 113 | 111 | 109 | 113 | 111 | 112 | 109 | 106 | 106 | 110 | 107 | 107 | 108 | 109 | 111 | 108 | 109 | 111 | 107 | 107 | 108 | 109 | 107 | 109 | 112 | 109 | 111 | | | |
| 04 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 05 | 109 | 106 | 107 | 111 | 109 | 109 | 109 | 112 | 110 | 109 | 110 | 107 | 109 | 109 | 111 | 109 | 112 | 109 | 109 | 110 | 110 | 108 | 109 | 106 | 108 | 108 | 108 | 109 | 107 | 109 | 111 | 116 | | |
| 06 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 07 | 106 | 108 | 107 | 108 | 108 | 110 | 112 | 110 | 108 | 109 | 111 | 109 | 109 | 110 | 107 | 109 | 110 | 109 | 109 | 112 | 110 | 109 | 110 | 108 | 105 | 108 | 110 | RF | 111 | 110 | 111 | | | |
| 08 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 09 | 110 | 108 | 106 | 108 | 109 | 109 | 112 | 112 | 108 | 111 | 110 | 108 | 109 | 108 | 108 | 111 | 111 | 107 | 111 | 109 | 111 | 109 | 108 | 106 | 110 | 105 | 110 | 110 | 113 | 110 | RF | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | 109 | 107 | 110 | 110 | 110 | 107 | 108 | 110 | 108 | 112 | 111 | 111 | 108 | 112 | 113 | 110 | 109 | 111 | 106 | 113 | 111 | 110 | 108 | 106 | 107 | 108 | 108 | 109 | 111 | 114 | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | 110 | 108 | 108 | 109 | 109 | 109 | 108 | 111 | 109 | 110 | 110 | 110 | 106 | 111 | 107 | 108 | 111 | 110 | 109 | 110 | 109 | 110 | 107 | 108 | 106 | 108 | 110 | 109 | 112 | 114 | | | | |
| 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | 107 | 106 | 108 | 108 | 109 | 108 | 108 | 111 | 109 | 111 | 111 | 107 | 111 | 108 | 112 | 113 | 107 | 108 | 110 | 109 | 108 | 112 | 107 | 108 | 107 | 108 | 110 | 109 | 113 | 111 | | | | |
| 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | 109 | 109 | 108 | 109 | 109 | 107 | 109 | 113 | 109 | 109 | 110 | 110 | 108 | 109 | 111 | 109 | 110 | 108 | 108 | 110 | 109 | 109 | 107 | 108 | 107 | 113 | 108 | 112 | 113 | 111 | | | | |
| 18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | 108 | 104 | 106 | 110 | 108 | 110 | 108 | 110 | 109 | 110 | 109 | 105 | 108 | 110 | 110 | 108 | 107 | 109 | 110 | 112 | 110 | 106 | 108 | 108 | 105 | 109 | 107 | 112 | 111 | 114 | | | | |
| 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | 109 | 106 | 110 | 109 | 108 | 109 | 109 | 111 | 106 | 110 | 111 | 106 | 109 | 111 | 110 | 110 | 109 | 111 | 111 | 111 | 109 | 108 | 109 | 108 | 108 | 109 | 109 | 111 | 112 | 114 | | | | |
| 22 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23 | 106 | 106 | 109 | 111 | 107 | 111 | 111 | 111 | 108 | 110 | 110 | 109 | 112 | 110 | 112 | 110 | 108 | 109 | 110 | 110 | 110 | 111 | 111 | 106 | 110 | 108 | 109 | 112 | 110 | 112 | | | | |
| 24 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total | 302 | 284 | 291 | 309 | 308 | 312 | 312 | 334 | 306 | 322 | 322 | 324 | 308 | 311 | 318 | 316 | 311 | 306 | 315 | 325 | 317 | 313 | 301 | 287 | 287 | 300 | 305 | 336 | 341 | | | | | |
| Daily Mean | 108.5 | 107.0 | 107.6 | 109.1 | 109.0 | 109.3 | 109.3 | 111.2 | 108.8 | 110.2 | 110.2 | 107.8 | 109.0 | 109.3 | 109.8 | 109.7 | 109.3 | 108.8 | 109.6 | 110.4 | 109.7 | 109.4 | 108.4 | 107.3 | 108.3 | 108.7 | 111.3 | 111.7 | | | | | | |

COSMIC RAY RECORDS

TABLE 49

TABULATED Hourly Count Totals

Geometry $(0.4 \times 0.4) \times 1.5$ m
Scale Factor 64
Azimuth Geomagnetic WEST

Telescope No. 3
Zenith Angle 45°
Absorber 10 cm Pb

Station Mawson
Year 1961
Month January

| Date | Hour | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| | 01 | 02 | 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 | |
| 01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 02 | 108 | 109 | 106 | 107 | 108 | 106 | 105 | 103 | 108 | 107 | 110 | 107 | 110 | 108 | 107 | 105 | 107 | 108 | 110 | 104 | 107 | 108 | 110 | 110 | 107 | 108 | 111 | 110 | 105 | 107 | | |
| 03 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 04 | 107 | 106 | 105 | 102 | 104 | 102 | 108 | 108 | 105 | 107 | 106 | 108 | 108 | 106 | 108 | 107 | 106 | 107 | 108 | 107 | 108 | 106 | 106 | 107 | 109 | 107 | 108 | 109 | 107 | 104 | 108 | |
| 05 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 06 | 108 | 106 | 106 | 106 | 105 | 104 | 107 | 106 | 106 | 107 | 108 | 110 | 106 | 107 | 110 | 107 | 107 | 107 | 105 | 106 | 107 | 107 | 107 | 109 | 109 | 108 | 107 | 110 | 107 | 104 | 108 | |
| 07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 08 | 109 | 106 | 104 | 104 | 106 | 106 | 107 | 106 | 108 | 107 | 107 | 108 | 108 | 110 | 107 | 108 | 108 | 105 | 106 | 108 | 106 | 107 | 106 | 105 | 108 | 111 | 106 | 110 | 108 | 107 | 106 | |
| 09 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | 106 | 107 | 104 | 106 | 104 | 106 | 105 | 107 | 106 | 107 | 108 | 108 | 107 | 106 | 106 | 109 | 107 | 108 | 104 | 107 | 108 | 106 | 109 | 110 | 108 | 108 | 109 | 112 | 107 | 104 | 108 | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | 107 | 105 | 106 | 105 | 104 | 106 | 108 | 107 | 106 | 109 | 111 | 110 | 110 | 110 | 105 | 109 | 109 | 105 | 104 | 107 | 105 | 104 | 109 | 107 | 107 | 109 | 107 | 107 | 105 | 107 | | |
| 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | 106 | 108 | 108 | 107 | 104 | 105 | 105 | 107 | 106 | 107 | 108 | 108 | 107 | 107 | 107 | 105 | 108 | 105 | 107 | 107 | 107 | 106 | 106 | 107 | 109 | 105 | 110 | 110 | 109 | 109 | 106 | |
| 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | 105 | 106 | 107 | 103 | 105 | 104 | 107 | 109 | 104 | 108 | 108 | 110 | 106 | 108 | 110 | 105 | 104 | 109 | 107 | 105 | 105 | 109 | 109 | 110 | 109 | 108 | 110 | 109 | 106 | 104 | 108 | |
| 17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | 106 | 107 | 105 | 106 | 105 | 104 | 105 | 106 | 105 | 106 | 107 | 108 | 105 | 108 | 106 | 109 | 108 | 104 | 108 | 105 | 108 | 106 | 108 | 109 | 110 | 107 | 109 | 106 | 108 | 105 | 107 | |
| 19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | 108 | 107 | 106 | 105 | 105 | 108 | 106 | 107 | 105 | 106 | 107 | 111 | 109 | 106 | 109 | 107 | 110 | 106 | 105 | 104 | 107 | 107 | 107 | 107 | 113 | 108 | 109 | 108 | 105 | 108 | 107 | |
| 21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | 106 | 107 | 107 | 106 | 105 | 104 | 109 | 107 | 107 | 109 | 108 | 107 | 107 | 105 | 107 | 107 | 107 | 107 | 106 | 107 | 104 | 107 | 107 | 108 | 108 | 110 | 110 | 111 | 105 | 105 | 110 | |
| 23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | 106 | 105 | 104 | 110 | 104 | 102 | 106 | 108 | 106 | 106 | 106 | 108 | 106 | 107 | 106 | 106 | 105 | 108 | 107 | 105 | 108 | 106 | 108 | 108 | 109 | 111 | 109 | 111 | 104 | 104 | 109 | |
| Total | 1277 | 1283 | 1271 | 1270 | 1258 | 1260 | 1268 | 1285 | 1271 | 1281 | 1289 | 1303 | 1290 | 1291 | 1284 | 1290 | 1285 | 1277 | 1276 | 1275 | 1281 | 1278 | 1285 | 1299 | 1309 | 1277 | 1304 | 1314 | 1283 | 1264 | 1291 | |
| Daily Mean | 106.4 | 106.9 | 105.9 | 105.8 | 104.8 | 105.0 | 105.7 | 107.1 | 105.9 | 106.7 | 107.4 | 108.6 | 107.5 | 107.6 | 107.0 | 107.5 | 107.1 | 106.4 | 106.3 | 106.3 | 106.7 | 106.5 | 107.1 | 108.3 | 109.1 | 108.1 | 108.7 | 109.5 | 106.9 | 105.3 | 107.6 | |

COSMIC RAY RECORDS

TABLE 51

Station *Mawson*
 Year *1961*
 Month *March*

Telescope No. *3*
 Zenith Angle *45°*
 Absorber *10 cm Pb*

Geometry $(0.4 \times 0.4) \times 1.5$ m
 Scale Factor *64*
 Azimuth *Geomagnetic WEST*

TABULATED Hourly Count Totals

| Date | Hour | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-----|-----|-----|-----|-----|--|
| | GMT | 01 | 02 | 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 | | | | |
| 01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 02 | | 105 | 106 | 111 | 108 | 104 | 105 | 108 | 109 | 113 | 108 | 113 | 109 | 109 | 109 | 108 | 105 | 107 | 110 | 109 | 109 | 109 | 110 | 109 | 110 | 107 | 109 | 110 | 107 | 109 | 110 | 107 | 109 | 112 | RF | |
| 03 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 04 | | 107 | 106 | 106 | 107 | 105 | 105 | 109 | 110 | 108 | 108 | 111 | 110 | 105 | 110 | 109 | 105 | 108 | 110 | 108 | 107 | 109 | 110 | 109 | 108 | 107 | 109 | 111 | 110 | 110 | 110 | 110 | 111 | 106 | | |
| 05 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 06 | | 107 | 105 | 109 | 108 | 104 | 108 | 111 | 111 | 109 | 111 | 108 | 111 | 106 | 108 | 108 | 104 | 107 | 112 | 111 | 109 | 110 | 109 | 112 | RF | 107 | 109 | 108 | 109 | 111 | 110 | 107 | 109 | 111 | 107 | |
| 07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 08 | | 108 | 106 | 107 | 107 | 106 | 108 | 111 | 109 | 109 | 110 | 112 | 108 | 110 | 108 | 106 | 102 | 107 | 109 | 108 | 109 | 111 | 110 | 110 | 110 | 107 | 107 | 107 | 110 | 107 | 107 | 110 | 114 | 109 | 109 | |
| 09 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | 108 | 109 | 109 | 107 | 109 | 107 | 109 | 109 | 110 | 111 | 112 | 109 | 107 | 109 | 106 | 105 | 107 | 108 | 108 | 109 | 110 | 111 | 108 | 107 | 108 | 107 | 110 | 108 | 107 | 110 | 109 | 109 | 109 | 108 | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | | 107 | 107 | 107 | 108 | 106 | 110 | 109 | 109 | 111 | 109 | 108 | 109 | 108 | 109 | 106 | 108 | 108 | 107 | 111 | 111 | 111 | 110 | 111 | 108 | 107 | 110 | 109 | 108 | 109 | 111 | 107 | 110 | 107 | 110 | |
| 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | | 109 | 105 | 109 | 108 | 109 | 110 | 114 | 111 | 110 | 112 | 110 | 111 | 110 | 107 | 106 | 107 | 111 | 108 | 111 | 109 | 112 | 111 | 110 | 110 | 108 | 108 | 108 | 110 | 113 | 107 | 111 | 107 | 111 | | |
| 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | | 107 | 106 | 112 | 105 | 109 | 109 | 108 | 110 | 109 | 113 | 110 | 111 | 110 | 108 | 107 | 107 | 110 | 108 | 109 | 109 | 110 | 109 | 110 | 109 | 105 | 108 | 109 | 110 | 111 | 110 | 107 | 110 | 107 | 110 | |
| 17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | | 107 | 104 | 110 | 107 | 105 | 110 | 109 | 108 | 110 | 106 | 110 | 111 | 110 | 108 | 106 | 104 | 107 | 107 | 108 | 109 | 109 | 112 | 109 | 107 | 108 | 106 | 107 | 109 | 110 | 109 | 109 | 110 | 109 | 110 | |
| 19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | | 107 | 110 | 110 | 109 | 105 | 107 | 108 | 111 | 110 | 110 | 109 | 108 | 106 | 107 | 104 | 108 | 106 | 109 | 110 | 111 | 109 | 111 | 108 | 104 | 108 | 108 | 110 | 108 | 113 | 108 | 113 | RF | 108 | | |
| 21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | | 106 | 110 | 105 | 106 | 110 | 109 | 111 | 111 | 110 | 110 | 110 | 107 | 108 | 108 | 103 | 109 | 109 | 108 | 108 | 110 | 109 | 110 | 110 | 107 | 109 | 110 | 110 | 111 | 111 | 111 | 111 | 111 | 111 | 110 | |
| 23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | | 108 | 107 | 108 | 107 | 104 | 109 | 107 | 108 | 112 | 110 | 109 | 110 | 107 | 107 | 110 | 111 | 111 | 106 | 110 | 111 | 111 | 110 | 110 | 108 | 109 | 106 | 109 | 109 | 111 | 111 | 111 | 111 | 111 | 111 | |
| Total | | 286 | 281 | 303 | 286 | 272 | 298 | 312 | 314 | 320 | 325 | 324 | 312 | 295 | 295 | 274 | 277 | 298 | 303 | 312 | 313 | 321 | 322 | 310 | 294 | 298 | 311 | 312 | 332 | | | | | | | |
| Daily Mean | | 107.2 | 106.7 | 108.6 | 107.2 | 106.0 | 108.2 | 109.3 | 109.5 | 110.0 | 110.4 | 110.3 | 109.3 | 107.9 | 107.9 | 106.2 | 106.4 | 108.2 | 108.6 | 109.3 | 109.4 | 110.1 | 110.2 | 109.2 | 107.8 | 108.2 | 109.3 | 109.3 | 111.1 | | | | | | | |

COSMIC RAY RECORDS

TABLE 52

TABULATED Hourly Count Totals

Geometry $(0.4 \times 0.4) \times 1.5$ m
Scale Factor 64
Azimuth Geomagnetic WEST

Telescope No. 3
Zenith Angle 45°
Absorber 10 cm Pb

Station Mawson
Year 1961
Month April

| Date Hour GMT | Date | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-----|-----|----|
| | 01 | 02 | 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 | |
| 01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 02 | 107 | 109 | 108 | 104 | 110 | 111 | 109 | 110 | 108 | 108 | 104 | 109 | 108 | 109 | 107 | 105 | 103 | 108 | 108 | 110 | 111 | 111 | 108 | 110 | 110 | 110 | 110 | 111 | 111 | 111 | RF |
| 03 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 04 | 109 | 112 | 106 | 109 | 109 | 109 | 113 | 109 | 108 | 108 | 106 | 107 | 107 | 106 | 108 | 107 | 105 | 105 | 106 | 110 | 112 | 105 | 109 | 113 | 113 | 111 | 108 | 109 | | | |
| 05 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 06 | 107 | 107 | 105 | 108 | 109 | 111 | 106 | 111 | 105 | 106 | 107 | 107 | 110 | 109 | 107 | 105 | 106 | 104 | 107 | 108 | 110 | 108 | 107 | 110 | 109 | 111 | 111 | 111 | 109 | | |
| 07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 08 | 106 | 111 | 109 | 108 | 108 | 110 | 111 | 110 | 106 | 109 | 106 | 106 | 106 | 104 | 108 | 106 | 103 | 107 | 110 | 108 | 111 | 112 | 110 | 110 | 111 | 112 | 108 | 110 | | | |
| 09 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | 107 | 107 | 105 | 108 | 109 | 110 | 108 | 107 | 105 | 107 | 106 | 107 | 108 | 107 | 110 | 105 | 106 | 106 | 108 | 112 | 114 | 108 | 109 | 111 | 112 | 110 | 108 | 110 | | | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | 109 | 109 | 105 | 109 | 110 | 111 | 111 | 108 | 108 | 105 | 105 | 107 | 108 | 108 | 108 | 108 | 104 | 107 | 109 | 111 | 110 | 106 | 108 | 111 | 113 | 110 | 111 | 111 | | | |
| 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | 108 | 107 | 106 | 108 | 109 | 108 | 112 | 106 | 108 | 102 | 105 | RF | 110 | 104 | 107 | 106 | 106 | 108 | 107 | 110 | 109 | 108 | 110 | 112 | 108 | 111 | 109 | 112 | | | |
| 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | 110 | 109 | 104 | 110 | 109 | 108 | 107 | 107 | 109 | 106 | 109 | 108 | 109 | 110 | 106 | 106 | 106 | 108 | 105 | 112 | 111 | 108 | 111 | 110 | 112 | 112 | 108 | 113 | | | |
| 17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | 111 | 109 | 106 | 109 | 112 | 112 | 109 | 108 | 105 | 105 | 109 | 108 | 107 | 110 | 108 | 106 | 106 | 108 | 108 | 111 | 112 | 106 | 111 | 110 | 112 | 112 | 109 | 111 | | | |
| 19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | 111 | 106 | 107 | 109 | 110 | 107 | 110 | 107 | 110 | 104 | 108 | 106 | 111 | 105 | 109 | 105 | 107 | 105 | 109 | 110 | 110 | 108 | 108 | 113 | 115 | 110 | 108 | 112 | | | |
| 21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | 109 | 107 | 104 | 109 | 111 | 112 | 110 | 110 | 104 | 108 | 108 | 111 | 108 | 109 | 107 | 105 | 106 | 107 | 108 | 109 | 106 | 109 | 111 | 113 | 113 | 111 | 110 | 113 | | | |
| 23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | 110 | 108 | 106 | 109 | 110 | 109 | 109 | 108 | 108 | 106 | 106 | 108 | 109 | 110 | 107 | 109 | 106 | 111 | 108 | 111 | 108 | 111 | 107 | 111 | 112 | 110 | 112 | 108 | 112 | | |
| Total | 1306 | 1301 | 1271 | 1300 | 1316 | 1318 | 1315 | 1295 | 1288 | 1274 | 1282 | 1300 | 1287 | 1299 | 1271 | 1267 | 1279 | 1296 | 1319 | 1327 | 1296 | 1313 | 1335 | 1338 | 1332 | 1308 | 1333 | | | | |
| Daily Mean | 108.8 | 108.4 | 105.9 | 108.3 | 109.7 | 109.8 | 109.6 | 107.9 | 107.3 | 106.2 | 106.8 | 108.3 | 107.3 | 108.3 | 105.9 | 105.6 | 106.6 | 108.0 | 109.9 | 110.6 | 108.0 | 109.4 | 111.3 | 111.5 | 111.0 | 109.0 | 111.1 | | | | |

COSMIC RAY RECORDS

TABLE 53

Station *Mawson* Telescope No. 3
 Year *1961* Zenith Angle *45°*
 Month *May* Absorber *10 cm Pb*
 Geometry $(0.4 \times 0.4) \times 1.5$ m
 Scale Factor *64*
 Azimuth *Geomagnetic WEST*

TABULATED Hourly Count Totals

| Date | | 01 | 02 | 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 | | |
|------------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|--|--|
| Hour | GMT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 02 | | 111 | 109 | 114 | 113 | 114 | 115 | 111 | 111 | 111 | 110 | 112 | 112 | 113 | 111 | 115 | 113 | 109 | 110 | 110 | 110 | 112 | 111 | 111 | 108 | 108 | 109 | 107 | 105 | 109 | 108 | 110 | | |
| 03 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 04 | | 114 | 109 | 110 | 111 | 113 | 112 | 114 | 112 | 113 | 109 | 111 | 112 | 110 | 109 | 111 | 109 | 113 | 111 | 112 | 110 | 116 | 112 | 110 | 109 | 109 | 107 | 109 | 108 | 107 | 108 | 112 | | |
| 05 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 06 | | 113 | 106 | 110 | 113 | 112 | 110 | 113 | 111 | 113 | 110 | 112 | 114 | 112 | 108 | 110 | 111 | 111 | 111 | 113 | 109 | 115 | 113 | 109 | 109 | 110 | 106 | 106 | 109 | 105 | 107 | 110 | | |
| 07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 08 | | 112 | 111 | 111 | 113 | 113 | 113 | 112 | 113 | 111 | 110 | 111 | 110 | 109 | 109 | 113 | 111 | 111 | 112 | 112 | 109 | 114 | 109 | 113 | 108 | 107 | 105 | 109 | 105 | 108 | 111 | 110 | | |
| 09 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | 112 | 110 | 113 | 114 | 114 | 111 | 111 | 114 | 109 | 113 | 109 | 112 | 114 | 109 | 111 | 111 | 111 | 111 | 114 | 109 | 112 | 111 | 108 | 110 | 106 | 109 | 108 | 109 | 108 | 111 | 112 | | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | | 113 | 112 | 114 | 109 | 112 | 114 | 111 | 114 | 111 | 114 | 111 | 113 | 114 | 111 | 112 | 111 | 109 | 111 | 113 | 108 | 113 | 111 | 109 | 108 | 107 | 108 | 107 | 108 | 106 | 110 | 109 | | |
| 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | | 112 | 113 | 113 | 111 | 113 | 114 | 112 | 110 | 114 | 111 | 112 | 111 | 114 | 111 | 113 | 111 | 109 | 111 | 108 | 111 | 111 | 111 | 109 | 110 | 111 | 106 | 105 | 105 | 109 | 112 | 110 | | |
| 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | | 115 | 115 | 114 | 111 | 113 | 114 | 109 | 115 | 109 | 109 | 113 | 110 | 112 | 113 | 110 | 113 | 113 | 109 | 112 | 110 | 110 | 109 | 110 | 109 | 108 | 106 | 109 | 110 | 108 | 108 | 108 | | |
| 17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | | 113 | 109 | 114 | 112 | 114 | 111 | 110 | 110 | 109 | 111 | 113 | 112 | 111 | 110 | 112 | 111 | 113 | 111 | 113 | 111 | 112 | 115 | 113 | 110 | 107 | 111 | 107 | 108 | 107 | 110 | 112 | | |
| 19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | | 111 | 113 | 112 | 113 | 111 | 111 | 114 | 115 | 110 | 111 | 111 | 113 | 110 | 113 | 110 | 111 | 109 | 111 | 110 | 110 | 114 | 112 | 109 | 106 | 105 | 106 | 108 | 110 | 106 | 110 | 108 | | |
| 21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | | 111 | 111 | 112 | 113 | 111 | 111 | 111 | 114 | 110 | 111 | 112 | 111 | 112 | 115 | 113 | 113 | 113 | 115 | 113 | 114 | 111 | 111 | 108 | 109 | 106 | 105 | 109 | 109 | 110 | 109 | 109 | | |
| 23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | | 113 | 114 | 113 | 112 | 111 | 111 | 113 | 112 | 110 | 111 | 114 | 114 | 111 | 112 | 112 | 109 | 111 | 111 | 114 | 113 | 114 | 110 | 108 | 110 | 106 | 104 | 105 | 108 | 109 | 107 | 107 | | |
| Total | | 1350 | 1332 | 1350 | 1345 | 1351 | 1347 | 1341 | 1351 | 1331 | 1328 | 1343 | 1345 | 1339 | 1331 | 1342 | 1334 | 1336 | 1333 | 1343 | 1328 | 1355 | 1330 | 1311 | 1307 | 1297 | 1281 | 1286 | 1293 | 1294 | 1312 | 1317 | | |
| Daily Mean | | 112.5 | 111.0 | 112.5 | 112.1 | 112.6 | 112.3 | 111.7 | 112.6 | 110.9 | 110.7 | 111.9 | 112.1 | 111.6 | 110.9 | 111.8 | 111.2 | 111.3 | 111.1 | 111.9 | 110.7 | 112.9 | 110.8 | 109.3 | 108.9 | 108.1 | 106.7 | 107.2 | 107.7 | 107.8 | 109.3 | | | |

COSMIC RAY RECORDS

TABLE 54

Station *Mawson*
 Year *1961*
 Month *June*

Telescope No. *3*
 Zenith Angle *45°*
 Absorber: *10 cm Pb*

Geometry $(0.4 \times 0.4) \times 1.5$ m
 Scale Factor *64*
 Azimuth *Geomagnetic WEST*

TABULATED Hourly Count Totals

| Date Hour GMT | Date | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-----|--|
| | 01 | 02 | 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 | | |
| 01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 02 | 109 | 110 | 112 | 110 | 111 | 103 | 103 | 104 | 108 | 111 | 112 | 108 | 113 | 113 | 114 | 115 | 111 | 113 | 113 | 111 | 109 | 111 | 110 | 110 | 111 | 113 | 110 | 111 | 112 | | | |
| 03 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 04 | 109 | 109 | 110 | 112 | 108 | 105 | 105 | 106 | 108 | 105 | 108 | 111 | 110 | 115 | 111 | 113 | 112 | 111 | 110 | 109 | 111 | 111 | 114 | 109 | 107 | RF | 114 | 111 | 112 | 112 | | |
| 05 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 06 | 110 | 108 | 112 | 112 | 106 | 106 | 104 | 107 | 103 | 107 | 107 | 113 | 110 | 112 | 113 | 111 | 114 | 113 | 113 | 111 | 109 | 111 | 113 | 110 | 110 | | | | | | | |
| 07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 08 | 110 | 111 | 111 | 112 | 108 | 105 | 104 | 110 | 105 | 107 | 112 | 110 | 113 | 112 | 114 | 115 | 111 | 113 | 111 | 111 | 112 | 109 | 109 | 111 | | | | | | | | |
| 09 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | 107 | 109 | 114 | 114 | 107 | 103 | 103 | 104 | 109 | 104 | 110 | 109 | 110 | 111 | 113 | 113 | 112 | 110 | 113 | 109 | 112 | 109 | 108 | 110 | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | 111 | 111 | 114 | 112 | 108 | 105 | 105 | 107 | 107 | 107 | 109 | 112 | 112 | 112 | 111 | 113 | 112 | 115 | 113 | 111 | 109 | 111 | 110 | 112 | 112 | 113 | 111 | 109 | 113 | 113 | | |
| 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | 108 | 111 | 114 | 113 | 109 | 105 | 108 | 107 | 107 | 109 | 108 | 110 | 111 | 112 | 111 | 113 | 111 | 112 | 113 | 113 | 113 | 111 | 107 | 109 | 114 | 110 | 111 | 114 | 113 | | | |
| 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | 108 | 111 | 114 | 112 | 106 | 103 | 104 | 106 | 107 | 107 | 110 | 112 | 113 | 113 | 111 | 115 | 113 | 114 | 113 | 111 | 109 | 112 | 110 | 108 | 114 | 112 | 109 | 109 | 113 | 114 | | |
| 17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | 110 | 110 | 115 | 111 | 106 | 106 | 107 | 105 | 108 | 109 | 110 | 110 | 109 | 112 | 113 | 115 | 113 | 113 | 111 | 109 | 113 | 112 | 109 | 109 | 109 | 112 | 112 | 108 | 113 | 114 | | |
| 19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | 110 | 111 | 112 | 108 | 105 | 103 | 104 | 105 | 106 | 105 | 109 | 109 | 112 | 112 | 114 | 112 | 112 | 112 | 111 | 111 | 109 | 111 | 112 | 108 | 109 | 114 | 111 | 106 | 111 | 114 | | |
| 21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | 110 | 113 | 113 | 108 | 104 | 103 | 107 | 108 | 106 | 107 | 109 | 112 | 114 | 114 | 114 | 115 | 112 | 113 | 111 | 113 | 111 | 107 | 108 | 113 | 113 | 112 | 109 | 111 | 114 | | | |
| 23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | 111 | 112 | 114 | 111 | 104 | 105 | 107 | 107 | 108 | 109 | 110 | 111 | 112 | 113 | 112 | 111 | 113 | 111 | 113 | 111 | 109 | 111 | 112 | 110 | 110 | 110 | 113 | 111 | 110 | 115 | 114 | |
| Total | 1313 | 1326 | 1355 | 1335 | 1282 | 1252 | 1261 | 1276 | 1282 | 1284 | 1312 | 1327 | 1327 | 1350 | 1347 | 1359 | 1356 | 1349 | 1344 | 1332 | 1328 | 1337 | 1325 | 1308 | 1324 | 1341 | 1314 | 1349 | 1353 | | | |
| Daily Mean | 109.4 | 110.5 | 112.9 | 111.3 | 106.8 | 104.3 | 105.1 | 106.3 | 106.8 | 107.0 | 109.3 | 110.6 | 110.6 | 112.5 | 112.3 | 113.3 | 113.0 | 112.4 | 112.0 | 111.0 | 110.7 | 111.4 | 110.4 | 109.0 | 110.3 | 111.7 | 109.5 | 112.4 | 112.7 | | | |

TABULATED Hourly Count Totals

COSMIC RAY RECORDS

Station *Mawson*
 Year *1961*
 Month *July*

Telescope No. *3*
 Zenith Angle *45°*
 Absorber *10 cm Pb*

Geometry $(0.4 \times 0.4) \times 1.5$ m
 Scale Factor *64*
 Azimuth *Geomagnetic WEST*

| Date Hour GMT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-------|-------|-------|-----|-----|
| | 01 | 02 | 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 |
| 01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 02 | 114 | 110 | 112 | 111 | 113 | 112 | 116 | 111 | 114 | 113 | 116 | 114 | 115 | 110 | 111 | 112 | 110 | 111 | 113 | 108 | 108 | 109 | 113 | 115 | RF | RF | RF | 111 | 109 | 103 | 113 |
| 03 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 04 | 112 | 115 | 110 | 110 | 114 | 114 | 114 | 113 | 113 | 115 | 116 | 114 | 113 | 111 | 110 | 114 | 107 | 110 | 114 | 107 | 107 | 107 | 111 | 112 | 111 | | 109 | 111 | 111 | 113 | |
| 05 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 06 | 110 | 113 | 109 | 114 | 112 | 113 | 109 | 114 | 112 | 116 | 112 | 114 | 114 | 111 | 113 | 110 | 115 | 108 | 110 | 105 | 106 | 111 | 109 | 111 | | 109 | 109 | 109 | 113 | | |
| 07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 08 | 110 | 113 | 112 | 112 | 112 | 114 | 114 | 111 | 118 | 116 | 114 | 115 | 111 | 114 | 114 | 111 | 108 | 113 | 109 | 107 | 107 | 108 | 113 | 113 | | 112 | 111 | 114 | 113 | | |
| 09 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | 116 | 111 | 111 | 110 | 113 | 113 | 114 | 114 | 112 | 118 | 112 | 113 | 116 | 110 | 113 | 111 | 109 | 114 | 109 | 107 | 108 | 111 | 111 | 111 | | 111 | 110 | 114 | 110 | | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | 113 | 112 | 111 | 109 | 114 | 112 | 113 | 114 | 114 | 116 | 112 | 113 | 112 | 112 | 113 | 110 | 110 | 114 | 111 | 107 | 109 | 110 | 112 | 111 | | 109 | 112 | 111 | 112 | | |
| 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | 114 | 113 | 114 | 110 | 110 | 114 | 111 | 116 | 115 | 116 | 115 | 113 | 115 | 111 | 114 | 111 | 110 | 113 | 109 | 106 | 111 | 112 | 111 | 113 | | 109 | 111 | 112 | 112 | | |
| 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | 112 | 111 | 115 | 110 | 113 | 112 | 113 | 115 | 114 | 115 | 113 | 113 | 112 | 112 | 113 | 112 | 114 | 115 | 108 | 106 | 107 | 109 | 112 | 111 | | 111 | 110 | 114 | 112 | | |
| 17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | 112 | 112 | 113 | 111 | 114 | 116 | 112 | 114 | 115 | 115 | 114 | 114 | 112 | 110 | 109 | 109 | 110 | 111 | 111 | 109 | 108 | 111 | 113 | 111 | | 109 | 111 | 113 | 111 | | |
| 19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | 113 | 112 | 112 | 111 | 115 | 112 | 112 | 112 | 113 | 114 | 112 | 114 | 112 | 109 | 114 | 109 | 110 | 114 | 111 | 107 | 109 | 111 | 110 | 111 | | 109 | 110 | 110 | 110 | | |
| 21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | 112 | 111 | 110 | 109 | 117 | 116 | 113 | 116 | 116 | 113 | 114 | 114 | 111 | 110 | 114 | 111 | 112 | 110 | 110 | 108 | 108 | 107 | 111 | 111 | | 113 | 112 | 111 | 112 | | |
| 23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | 114 | 112 | 109 | 114 | 110 | 113 | 110 | 114 | 115 | 117 | 115 | 114 | 111 | 110 | 112 | 109 | 110 | 112 | 112 | 107 | 108 | 113 | 114 | 111 | | 112 | 113 | 111 | 113 | | |
| Total | 1352 | 1342 | 1347 | 1327 | 1351 | 1363 | 1355 | 1359 | 1373 | 1380 | 1369 | 1363 | 1354 | 1330 | 1350 | 1329 | 1325 | 1345 | 1327 | 1284 | 1296 | 1323 | 1341 | 1340 | | 1324 | 1329 | 1338 | 1344 | | |
| Daily Mean | 112.7 | 111.8 | 112.3 | 110.6 | 112.6 | 113.6 | 112.9 | 113.3 | 114.4 | 115.0 | 114.1 | 113.6 | 112.8 | 110.8 | 112.5 | 110.7 | 110.4 | 112.1 | 110.6 | 107.0 | 108.0 | 110.3 | 111.7 | 111.7 | | 110.3 | 110.7 | 111.5 | 112.0 | | |

COSMIC RAY RECORDS

TABLE 56

Station *Mawson*
 Year *1961*
 Month *August*

Telescope No. *3*
 Zenith Angle *45°*
 Absorber *10 cm Pb*

Geometry $(0.4 \times 0.4) \times 1.5$ m
 Scale Factor *64*
 Azimuth *Geomagnetic WEST*

TABULATED Hourly Count Totals

| Date | 01 | 02 | 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 | |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|
| 01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 02 | 112 | 111 | 112 | 112 | 111 | 112 | 115 | 112 | 117 | 115 | 116 | 115 | 116 | 114 | RF | RF | 117 | 115 | 116 | 118 | 117 | 112 | 114 | 112 | 112 | 117 | 116 | 119 | 116 | 116 | 110 | |
| 03 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 04 | 111 | 115 | 112 | 111 | 110 | 111 | 112 | 113 | 113 | 114 | 113 | 115 | 115 | 114 | | | 116 | 119 | 117 | 114 | 116 | 115 | 114 | 113 | 112 | 115 | 118 | 117 | 117 | 113 | 109 | |
| 05 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 06 | 115 | 112 | 110 | 113 | 108 | 111 | 113 | 111 | 114 | 117 | 113 | 117 | 114 | 110 | | | 116 | 116 | 115 | 114 | 114 | 110 | 113 | 111 | 112 | 116 | 117 | 117 | 115 | 112 | 108 | |
| 07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 08 | 112 | 114 | 114 | 111 | 112 | 111 | 111 | 115 | 114 | 120 | 114 | 115 | 116 | 111 | | | 117 | 115 | 117 | 114 | 115 | 112 | 111 | 114 | 114 | 115 | 117 | 116 | 114 | 114 | 109 | |
| 09 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | 111 | 116 | 114 | 110 | 113 | 111 | 111 | 113 | 113 | 115 | 116 | 117 | 115 | 112 | | | 117 | 118 | 117 | 117 | 113 | 112 | 114 | 115 | 113 | 117 | 122 | 117 | 114 | 112 | 106 | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | 112 | 115 | 109 | 113 | 109 | 112 | 112 | 113 | 118 | 117 | 113 | 120 | 114 | 111 | | | 118 | 118 | 118 | 116 | 116 | 115 | 112 | 114 | 115 | 116 | 118 | 119 | 114 | 110 | 107 | |
| 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | 112 | 112 | 114 | 112 | 111 | 110 | 113 | 114 | 117 | 117 | 113 | 119 | 116 | RF | | | 118 | 115 | 116 | 114 | 116 | 112 | 115 | 117 | 116 | 118 | 116 | 112 | 112 | 108 | | |
| 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | 113 | 112 | 114 | 112 | 112 | 113 | 110 | 113 | 121 | 115 | 115 | 117 | 113 | | | | 117 | 114 | 116 | 116 | 116 | 113 | 113 | 111 | 114 | 115 | 119 | 119 | 117 | 111 | 108 * | |
| 17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | 113 | 115 | 112 | 113 | 108 | 114 | 112 | 116 | 119 | 114 | 113 | 117 | 113 | | | 118 | 118 | 117 | 114 | 115 | 118 | 116 | 112 | 112 | 114 | 114 | 117 | 117 | 115 | 109 | 108 | |
| 19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | 113 | 113 | 113 | 110 | 111 | 111 | 113 | 115 | 119 | 115 | 119 | 117 | 114 | | | | 117 | 116 | 116 | 115 | 115 | 114 | 117 | 110 | 112 | 116 | 117 | 116 | 118 | 112 | 111 | 108 |
| 21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | 116 | 114 | 113 | 111 | 112 | 110 | 110 | 115 | 119 | 116 | 115 | 116 | 116 | | | | 119 | 116 | 117 | 117 | 114 | 115 | 114 | 113 | 113 | 118 | 118 | 116 | 115 | 110 | 105 | |
| 23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | 114 | 113 | 110 | 109 | 113 | 113 | 111 | 114 | 115 | 114 | 115 | 116 | 113 | | | 117 | 119 | 116 | 116 | 113 | 117 | 114 | 113 | 114 | 115 | 115 | 117 | 116 | 115 | 110 | 107 | |
| Total | 1354 | 1362 | 1347 | 1337 | 1330 | 1339 | 1343 | 1364 | 1395 | 1393 | 1371 | 1401 | 1375 | | | 1405 | 1396 | 1394 | 1380 | 1387 | 1362 | 1354 | 1358 | 1366 | 1393 | 1411 | 1407 | 1376 | 1340 | 1293 | | |
| Daily Mean | 112.8 | 113.5 | 112.3 | 111.4 | 110.8 | 111.6 | 111.9 | 113.7 | 116.3 | 116.1 | 114.3 | 116.7 | 114.6 | | | 117.1 | 116.3 | 116.2 | 115.0 | 115.6 | 113.5 | 112.8 | 113.2 | 113.8 | 116.1 | 117.6 | 117.3 | 114.7 | 111.7 | 107.7 | | |

COSMIC RAY RECORDS

Station *Mawson*
 Year *1961*
 Month *September*

Telescope No. *3*
 Zenith Angle *45°*
 Absorber *10 cm Pb*

Geometry $(0.4 \times 0.4) \times 1.5$ m
 Scale Factor *64*
 Azimuth *Geomagnetic WEST*

TABULATED Hourly Count Totals

TABLE 57

| Hour GMT | Date | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|--|
| | 01 | 02 | 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 | |
| 01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 02 | 107 | 108 | 111 | 115 | 111 | 115 | 112 | 111 | 109 | 107 | 110 | 113 | 109 | 110 | 113 | 113 | 114 | 114 | 112 | 112 | 115 | 113 | 116 | 117 | 110 | 118 | 115 | 114 | 117 | 114 | |
| 03 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 04 | 107 | 110 | 112 | 112 | 115 | 114 | 112 | 108 | 106 | 112 | 109 | 108 | 108 | 110 | 110 | 112 | 112 | 112 | 112 | 113 | 111 | 114 | 114 | 115 | 110 | 120 | 113 | 117 | 116 | 111 | |
| 05 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 06 | 109 | 108 | 112 | 114 | 115 | 113 | 113 | 113 | 107 | 110 | 109 | 106 | 109 | 108 | 111 | 111 | 113 | 115 | 114 | 115 | 113 | 112 | 113 | 115 | 112 | 116 | 112 | 119 | 117 | 115 | |
| 07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 08 | 110 | 110 | 113 | 112 | 114 | 114 | 112 | 111 | 112 | 110 | 110 | 109 | 110 | 110 | 110 | 111 | 113 | 113 | 112 | 112 | 112 | 113 | 116 | 114 | 113 | 116 | 114 | 117 | 116 | 113 | |
| 09 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | 110 | 114 | 114 | 116 | 115 | 114 | 113 | 109 | 110 | 111 | 111 | 108 | 110 | 108 | 113 | 112 | 117 | 111 | 111 | 113 | 113 | 113 | 115 | 116 | 114 | 118 | 115 | 115 | 114 | 112 | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | 106 | 111 | 113 | 113 | 112 | 114 | 112 | 111 | 110 | 111 | 110 | 111 | 108 | 110 | 111 | 112 | 111 | 115 | 112 | 114 | 113 | 114 | 115 | 112 | 111 | 118 | 113 | 118 | 117 | 111 | |
| 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | 108 | 111 | 112 | 112 | 115 | 114 | 113 | 109 | 110 | 110 | 110 | 109 | 112 | 113 | 111 | 113 | 114 | 114 | 112 | 112 | 112 | 114 | 116 | 111 | 114 | 117 | 116 | 118 | 117 | 113 | |
| 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | 108 | 113 | 113 | 115 | 110 | 113 | 110 | 110 | 111 | 109 | 109 | 110 | 109 | 113 | 111 | 115 | 113 | 113 | 114 | 114 | 113 | 115 | 115 | 112 | 115 | 114 | 114 | 119 | 113 | 110 | |
| 17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | 106 | 111 | 115 | 116 | 114 | 114 | 113 | 108 | 110 | 112 | 109 | 108 | 110 | 111 | 112 | 113 | 111 | 112 | 113 | 110 | 114 | 114 | 114 | 114 | 116 | 115 | 111 | 119 | 114 | 109 | |
| 19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | 110 | 115 | 111 | 113 | 116 | 114 | 109 | 109 | 108 | 111 | 111 | 108 | 109 | 111 | 111 | 114 | 113 | 114 | 111 | 110 | 114 | 113 | 118 | 113 | 116 | 116 | 115 | 120 | 114 | 109 | |
| 21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | 107 | 114 | 115 | 114 | 115 | 112 | 110 | 109 | 109 | 111 | 108 | 111 | 110 | 113 | 111 | 110 | 115 | 115 | 113 | 110 | 115 | 111 | 116 | 113 | 118 | 115 | 117 | 120 | 114 | 110 | |
| 23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | 112 | 111 | 114 | 116 | 112 | 112 | 112 | 109 | 111 | 112 | 111 | 105 | 109 | 113 | 109 | 111 | 113 | 113 | 111 | 110 | 115 | 117 | 117 | 112 | 116 | 113 | 113 | 120 | 112 | 108 | |
| Total | 300 | 336 | 355 | 368 | 361 | 363 | 341 | 317 | 313 | 326 | 317 | 310 | 330 | 329 | 335 | 345 | 358 | 361 | 347 | 345 | 360 | 363 | 385 | 364 | 365 | 396 | 368 | 416 | 381 | 335 | |
| Daily Mean | 108.3 | 111.3 | 112.9 | 114.0 | 113.4 | 113.6 | 111.7 | 109.7 | 109.4 | 110.5 | 109.7 | 109.2 | 110.7 | 111.3 | 112.1 | 113.2 | 113.4 | 112.3 | 112.1 | 113.3 | 113.6 | 115.4 | 113.7 | 113.7 | 116.3 | 114.0 | 118.0 | 115.1 | 111.3 | | |

TABLE 58

COSMIC RAY RECORDS

Station *Mawson* Telescope No. *3* Geometry $(0.4 \times 0.4) \times 1.5$ m
 Year *1961* Zenith Angle *45°* Scale Factor *64*
 Month *October* Absorber *10 cm Pb* Azimuth *Geomagnetic WEST*

| Date | TABULATED Hourly Count Totals | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------|-------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----|--|--|
| | Hour GMT | 01 | 02 | 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 | | | | | | |
| 01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 02 | 109 | 110 | 110 | 113 | 111 | 110 | 109 | 109 | 109 | 115 | 113 | 111 | 111 | 113 | 112 | 115 | 112 | 113 | 113 | 114 | 114 | 115 | 114 | 113 | 115 | 113 | 114 | 109 | 111 | 111 | 111 | 111 | 110 | 110 | | | | |
| 03 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 04 | 109 | 112 | 114 | 111 | 110 | 110 | 109 | 109 | 112 | 108 | 114 | 111 | 116 | 110 | 112 | 112 | 112 | 111 | 116 | 114 | 116 | 116 | 117 | 109 | 113 | 112 | 114 | 112 | 111 | 111 | 111 | 111 | 112 | 113 | 113 | | | |
| 05 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 06 | 106 | 113 | 115 | 115 | 108 | 109 | 113 | 114 | 111 | 111 | 110 | 113 | 110 | 112 | 113 | 109 | 111 | 113 | 114 | 117 | 116 | 113 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 113 | 114 | 113 | 113 | 113 | 113 | 113 | | |
| 07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 08 | 107 | 113 | 116 | 113 | 108 | 111 | 111 | 110 | 111 | 111 | 109 | 113 | 115 | 113 | 113 | 113 | 111 | 113 | 114 | 116 | 114 | 115 | 115 | 113 | 112 | 113 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 112 | | |
| 09 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | 105 | 116 | 113 | 112 | 107 | 112 | 110 | 113 | 112 | 112 | 108 | 111 | 112 | 114 | 113 | 113 | 111 | 113 | 113 | 114 | 113 | 113 | 111 | 111 | 112 | 112 | 111 | 110 | 112 | 110 | 112 | 110 | 111 | 111 | 111 | 113 | | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | 112 | 115 | 113 | 113 | 109 | 112 | 112 | 112 | 112 | 110 | 111 | 113 | 111 | 112 | 113 | 109 | 110 | 113 | 115 | 114 | 117 | 114 | 113 | 114 | 115 | 114 | 112 | 110 | 113 | 113 | 113 | 113 | 113 | 111 | 111 | 112 | | |
| 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | 108 | 113 | 116 | 110 | 109 | 111 | 109 | 109 | 114 | 111 | 110 | 112 | 112 | 115 | 109 | 112 | 113 | 114 | 113 | 116 | 116 | 116 | 114 | 113 | 112 | 114 | 113 | 111 | 109 | 113 | 111 | 109 | 113 | 113 | 111 | 111 | | |
| 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | 110 | 114 | 112 | 112 | 109 | 109 | 112 | 113 | 111 | 113 | 110 | 110 | 112 | 112 | 112 | 111 | 111 | 113 | 114 | 113 | 114 | 115 | 113 | 114 | 114 | 112 | 112 | 111 | 108 | 111 | 108 | 111 | 111 | 111 | 111 | 116 | | |
| 17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | 108 | 112 | 114 | 111 | 108 | 108 | 112 | 110 | 113 | 111 | 112 | 112 | 111 | 113 | 109 | 111 | 113 | 115 | 113 | 116 | 115 | 114 | 115 | 113 | 110 | 112 | 109 | 111 | 112 | 111 | 112 | 111 | 112 | 111 | 112 | | | |
| 19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | 111 | 113 | 113 | 112 | 109 | 110 | 109 | 114 | 112 | 111 | 112 | 111 | 112 | 110 | 113 | 109 | 113 | 115 | 115 | 113 | 116 | 114 | 114 | 112 | 113 | 112 | 110 | 111 | 112 | 111 | 112 | 111 | 112 | 111 | 109 | 109 | | |
| 21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | 111 | 115 | 109 | 113 | 110 | 114 | 109 | 112 | 111 | 111 | 110 | 112 | 110 | 111 | 112 | 111 | 112 | 111 | 115 | 112 | 115 | 113 | 115 | 114 | 111 | 112 | 109 | 110 | 114 | 114 | 114 | 114 | 114 | 114 | 114 | 113 | | |
| 23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | 111 | 112 | 114 | 112 | 111 | 113 | 109 | 113 | 110 | 111 | 112 | 112 | 110 | 115 | 112 | 112 | 112 | 116 | 114 | 117 | 115 | 114 | 114 | 115 | 112 | 112 | 116 | 111 | 111 | 113 | 112 | 111 | 111 | 113 | 112 | 111 | | |
| Total | 1307 | 1358 | 1359 | 1347 | 1309 | 1329 | 1324 | 1338 | 1342 | 1334 | 1331 | 1339 | 1345 | 1350 | 1341 | 1331 | 1357 | 1368 | 1372 | 1378 | 1380 | 1365 | 1360 | 1357 | 1347 | 1353 | 1325 | 1331 | 1347 | 1341 | 1345 | 1345 | 1345 | 1345 | 1345 | | | |
| Daily Mean | 108.9 | 113.2 | 113.3 | 112.3 | 109.1 | 110.7 | 110.3 | 111.5 | 111.8 | 111.2 | 110.9 | 111.6 | 112.1 | 112.5 | 111.7 | 110.9 | 113.1 | 114.0 | 114.3 | 114.8 | 115.0 | 113.7 | 113.3 | 113.1 | 112.3 | 112.7 | 110.4 | 110.9 | 112.3 | 111.7 | 112.1 | 112.1 | 112.1 | 112.1 | | | | |

COSMIC RAY RECORDS

Station *Mawson*
 Year *1961*
 Month *November*

Telescope No. *3*
 Zenith Angle *45°*
 Absorber *10 cm Pb*

Geometry $(0.4 \times 0.4) \times 1.5$ m
 Scale Factor *64*
 Azimuth *Geomagnetic WEST*

TABLE 59
 TABULATED Hourly Count Totals

| Hour GMT | 01 | 02 | 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 | |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-----|-----|-------|-------|-------|-------|-------|-------|-------|--|
| 01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 02 | 110 | 114 | 113 | 113 | 112 | 109 | 112 | 109 | 111 | 113 | 113 | 109 | 111 | 113 | 112 | 110 | 110 | 113 | 111 | 109 | 109 | 108 | 110 | 108 | 109 | 110 | 109 | 111 | 107 | 111 | |
| 03 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 04 | 110 | 114 | 113 | 110 | 114 | 112 | 110 | 107 | 113 | 116 | 112 | 112 | 113 | 116 | 112 | 109 | 109 | 113 | 110 | 111 | 109 | 107 | RF | 113 | 107 | 110 | 109 | 107 | 111 | 109 | |
| 05 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 06 | 108 | 115 | 116 | 110 | 111 | 110 | 112 | 111 | 113 | 110 | 112 | 109 | 112 | 114 | 109 | 111 | 108 | 110 | 110 | 106 | 113 | 109 | 110 | 109 | 109 | 109 | 109 | 111 | 110 | 109 | |
| 07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 08 | 110 | 113 | 112 | 111 | 109 | 111 | 115 | 108 | 114 | 115 | 116 | 113 | 110 | 112 | 112 | 107 | 110 | 111 | 113 | 109 | 106 | 109 | 112 | 112 | 108 | 110 | 108 | 110 | 111 | 110 | |
| 09 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | 113 | 112 | 112 | 111 | 112 | 111 | 112 | 110 | 113 | 117 | 112 | 112 | 110 | 111 | 113 | 112 | 108 | 108 | 110 | 110 | 109 | 111 | 109 | 111 | 109 | 109 | 111 | 110 | 109 | 110 | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | 111 | 112 | 113 | 111 | 111 | 112 | 110 | 111 | 113 | RF | 110 | 108 | 111 | 113 | 112 | 108 | 108 | 112 | 110 | 109 | 108 | RF | 110 | 112 | 109 | 108 | 109 | 110 | 109 | 113 | |
| 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | 109 | 112 | 113 | 110 | 112 | 109 | 109 | 112 | 115 | 110 | 112 | 112 | 110 | 113 | 115 | 112 | 107 | 111 | 111 | 110 | 110 | 109 | 110 | 110 | 108 | 110 | 110 | 108 | 112 | 110 | |
| 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | 111 | 112 | 115 | 108 | 112 | 112 | 110 | 114 | 114 | 115 | 111 | 110 | 113 | 111 | 112 | 109 | 109 | 110 | 111 | 112 | 108 | 110 | 111 | 106 | 113 | 108 | 109 | 111 | 110 | 109 | |
| 17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | 112 | 112 | 112 | 111 | 113 | 111 | 111 | 112 | 114 | 115 | 112 | 112 | 114 | 111 | 112 | 106 | 110 | 111 | 108 | 107 | 105 | 109 | 108 | 109 | 108 | 111 | 108 | 111 | 109 | 110 | |
| 19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | 113 | 112 | 113 | 110 | 110 | 113 | 107 | 111 | 113 | 113 | 113 | 113 | 113 | 111 | 107 | 111 | 112 | 110 | 112 | 110 | 107 | 110 | 111 | 108 | 110 | 110 | 109 | 112 | 111 | 108 | |
| 21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | 110 | 111 | 111 | 110 | 110 | 110 | 109 | 114 | 115 | 113 | 113 | 108 | 114 | 111 | 110 | 106 | 109 | 109 | 110 | 109 | 110 | 109 | 108 | 109 | 110 | 108 | 109 | 110 | 108 | 110 | |
| 23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | 114 | 116 | 110 | 115 | 112 | 111 | 109 | 112 | 116 | 114 | 112 | 109 | 117 | 113 | 109 | 109 | 111 | 111 | 109 | 110 | 108 | 112 | 109 | 108 | 108 | 109 | 110 | 109 | 108 | 110 | |
| Total | 1331 | 1355 | 1353 | 1331 | 1337 | 1332 | 1324 | 1334 | 1368 | 1346 | 1325 | 1352 | 1353 | 1331 | 1301 | 1315 | 1329 | 1324 | 1312 | 1301 | | | | 1315 | 1307 | 1313 | 1309 | 1319 | 1318 | 1319 | |
| Daily Mean | 110.9 | 112.9 | 112.7 | 110.9 | 111.4 | 111.0 | 110.3 | 111.2 | 114.0 | 112.2 | 110.4 | 112.7 | 112.7 | 110.9 | 108.4 | 109.6 | 110.7 | 110.3 | 109.3 | 108.4 | | | | 109.6 | 108.9 | 109.4 | 109.1 | 109.9 | 109.8 | 109.9 | |

TABLE 60

COSMIC RAY RECORDS

Station Mawson
 Year 1961
 Month December

Telescope No. 3
 Zenith Angle 45°
 Absorber 10 cm Pb

Geometry (0.4 × 0.4) × 1.5 m
 Scale Factor 64
 Azimuth Geomagnetic WEST

TABULATED Hourly Count Totals

| Date | 01 | 02 | 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 |
|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-----|
| Hour GMT | 110 | 112 | 106 | 109 | 108 | 111 | 110 | 112 | 111 | 111 | 112 | 110 | 111 | 111 | 110 | 112 | 110 | 110 | 113 | 111 | 112 | 112 | 108 | 111 | 109 | 109 | 110 | 113 | 115 | 112 | |
| 01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 02 | 110 | 112 | 106 | 109 | 108 | 111 | 110 | 112 | 111 | 111 | 112 | 110 | 111 | 111 | 110 | 112 | 110 | 110 | 113 | 111 | 112 | 112 | 108 | 111 | 109 | 109 | 110 | 113 | 115 | 112 | |
| 03 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 04 | 110 | 108 | 108 | 110 | 112 | 109 | 110 | 112 | 113 | 112 | 113 | 111 | 111 | 110 | 111 | 111 | 111 | 112 | 108 | 113 | 112 | 110 | 108 | 111 | 108 | 111 | 110 | 111 | 112 | 115 | 117 |
| 05 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 06 | 111 | 109 | 110 | 108 | 110 | 113 | 111 | 112 | 112 | 112 | 112 | 110 | 112 | 113 | 111 | 112 | 112 | 112 | 112 | 111 | 110 | 108 | 110 | 111 | 107 | 108 | 109 | 113 | 114 | 115 | 114 |
| 07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 08 | 109 | 109 | 109 | 110 | 110 | 111 | 110 | 113 | 112 | 107 | 111 | 109 | 110 | 112 | 108 | 109 | 110 | 111 | 111 | 112 | 112 | 110 | 107 | 107 | 107 | 108 | 110 | RF | 113 | 115 | 115 |
| 09 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | 111 | 110 | 107 | 110 | 109 | 111 | 108 | 113 | 109 | 110 | 115 | 110 | 108 | 108 | 109 | 110 | 110 | 113 | 111 | 115 | 110 | 109 | 107 | 112 | 107 | 110 | 112 | 111 | 114 | RF | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | 110 | 106 | 110 | 110 | 112 | 109 | 111 | 110 | 109 | 112 | 111 | 110 | 111 | 110 | 112 | 112 | 111 | 110 | 113 | 111 | 108 | 109 | 106 | 109 | 108 | 108 | 110 | 112 | 110 | 113 | |
| 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | 107 | 108 | 111 | 114 | 110 | 109 | 110 | 112 | 112 | 110 | 112 | 111 | 109 | 112 | 109 | 112 | 109 | 108 | 108 | 110 | 110 | 109 | 108 | 109 | 109 | 108 | 111 | 112 | 113 | 113 | |
| 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | 111 | 108 | 113 | 108 | 112 | 112 | 112 | 112 | 109 | 109 | 111 | 111 | 111 | 113 | 111 | 112 | 114 | 109 | 109 | 113 | 111 | 108 | 110 | 109 | 110 | 108 | 109 | 115 | 112 | 115 | |
| 17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | 110 | 106 | 110 | 108 | 109 | 107 | 112 | 113 | 109 | 110 | 111 | 110 | 110 | 111 | 110 | 112 | 111 | 111 | 110 | 112 | 109 | 107 | 110 | 107 | 107 | 108 | 109 | 112 | 114 | 113 | |
| 19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | 108 | 107 | 110 | 111 | 109 | 107 | 108 | 111 | 109 | 111 | 111 | 107 | 109 | 112 | 113 | 113 | 112 | 110 | 111 | 111 | 110 | 107 | 111 | 111 | 108 | 111 | 107 | 112 | 113 | 114 | |
| 21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | 109 | 110 | 113 | 108 | 110 | 110 | 110 | 111 | 110 | 110 | 110 | 110 | 109 | 111 | 110 | 112 | 109 | 111 | 112 | 111 | 113 | 109 | 106 | 107 | 108 | 110 | 108 | 113 | 114 | 114 | |
| 23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | 106 | 111 | 112 | 109 | 110 | 111 | 111 | 115 | 111 | 115 | 112 | 111 | 109 | 111 | 114 | 111 | 110 | 113 | 111 | 111 | 110 | 107 | 106 | 107 | 110 | 109 | 111 | 113 | 110 | 118 | |
| Total | 1304 | 1304 | 1319 | 1315 | 1321 | 1320 | 1323 | 1346 | 1326 | 1327 | 1339 | 1319 | 1320 | 1334 | 1328 | 1338 | 1329 | 1330 | 1329 | 1341 | 1327 | 1305 | 1297 | 1311 | 1298 | 1308 | 1315 | 1349 | 1374 | | |
| Daily Means | 109.3 | 108.7 | 109.9 | 109.6 | 110.1 | 110.0 | 110.3 | 112.2 | 110.5 | 110.6 | 111.6 | 109.9 | 110.0 | 111.2 | 110.7 | 111.5 | 110.7 | 110.8 | 110.7 | 111.7 | 110.6 | 108.7 | 108.1 | 109.3 | 108.2 | 109.0 | 109.6 | 112.4 | 114.5 | | |

COSMIC RAY RECORDS
 Station *Mawson*
 Year *1961*
 Month *January*

Triplic Neutron Monitor
 Scale Factor *32*
 Barometer Coefficient *-9.44%/cm Hg*

TABULATED Hourly Count Totals
 Corrected to Standard
 Pressure *990 Millibar*

| Hour GMT | 01 | 02 | 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 | |
|------------|--------|--------|--------|--------|--------|--------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|
| 01 | 073 | 077† | 080† | 075† | 076 | 075 | 092 | 089 | 067† | 067† | 083† | 087 | 102 | 085 | 085 | 095 | 085 | 096 | 080 | 095 | 092 | 085 | 080 | 075 | 107 | 096 | 084 | 094 | 092 | 097 | 117 | |
| 02 | 088 | 075† | 068† | 081† | 089 | 078 | 069 | 094 | 092† | 092† | 071† | 099 | 085 | 096 | 108 | 103 | 089 | 109 | 073 | 099 | 082 | 063 | 083 | 076 | 104 | 089 | 088 | 085 | 108 | 095 | 111 | |
| 03 | 067 | 079† | 071† | 061† | 086 | 081 | 080 | 093 | 099† | 088† | 076† | 084 | 094 | 093 | 103 | 111 | 080 | 087 | 092 | 078 | 082 | 096 | 084 | 086 | 095 | 098 | 112 | 094 | 082 | 100 | 110 | |
| 04 | 073 | 068† | 073† | 074† | 077 | 079 | 083 | 083 | 057† | 059† | 087† | 071 | 082 | 103 | 094 | 114 | 081 | 075 | 085 | 096 | 096 | 092 | 092 | 093 | 100 | 099 | 104 | 088 | 087 | 089 | | |
| 05 | 073 | 068† | 089† | 094† | 077 | 080 | 068 | 085 | 073† | 072† | 088† | 083 | 100 | 102 | 090 | 093 | 099 | 092 | 096 | 084 | 086 | 092 | 081 | 085 | 091 | 096 | 110 | 096 | 076 | 099 | 106 | |
| 06 | 070 | 084† | 071† | 076† | 082 | 062 | R.F. | 108 | 073† | 084† | 087 | 081 | 092 | 098 | 095 | 102 | 091 | 089 | 098 | 091 | 102 | 093 | 081 | 090 | 104 | 092 | 090 | 098 | 086 | 104 | 086 | |
| 07 | 082 | 075† | 076† | 080 | 081 | 080 | | 083 | 054† | 071† | 100 | 098 | 090 | 101 | 110 | 092 | 093 | 086 | 088 | 090 | 081 | 080 | 082 | 088 | 117 | 085 | 097 | 094 | 090 | 090 | | |
| 08 | 085 | 069† | 079† | 099 | 077 | 075 | 087† | 102 | 078† | 078† | 078 | 092 | 100 | 093 | 098 | 094 | 096 | 105 | 091 | 105 | 086 | 089 | 088 | 082 | 090 | 106 | 090 | 110 | 087 | 109 | 109 | |
| 09 | 078 | 084† | 090† | 079 | 090 | 083 | 091† | 081 | 064† | 073† | 095 | 086 | 093 | 101 | 098 | 092 | 085 | 094 | 088 | 091 | 086 | 083 | 079 | 080 | 091 | 085 | 084 | 096 | 086 | 102 | 100 | |
| 10 | 083 | 063† | 093† | 067 | 085 | 069 | 094† | 083 | 073† | 080† | 101 | 106 | 103 | 098 | 108 | 098 | 107 | 081 | 083 | 102 | 075 | 084 | 068 | 091 | 096 | 099 | 088 | 095 | 097 | 086 | 087 | |
| 11 | 075 | 077† | 081† | 083 | 088 | 086 | R.F. | 081 | 079† | 098† | 087 | 115 | 106 | 099 | 093 | 092 | 106 | 097 | 087 | 088 | 090 | 082 | 083 | 088 | 091 | 102 | 093 | 104 | R.F. | 099 | 115 | |
| 12 | 084 | 091† | 096† | 083 | 077 | 091 | 084† | 092 | 076† | 086† | 093 | 117 | 091 | 093 | 103 | 109 | 106 | 090 | 099 | 088 | 099 | 083 | 104 | 087 | 099 | 111 | 106 | 093 | 088 | 097 | 102 | |
| 13 | 075 | 079† | 080† | 087 | 077 | 075 | 078 | 089 | 080† | 077† | 086 | 115 | 117 | 079 | 103 | 096 | 093 | 096 | 086 | 112 | 090 | 094 | 089 | 099 | 107 | 101 | 098 | 107 | 086 | 102 | 099 | |
| 14 | 080 | 079† | 054† | 065 | 091 | 068 | 087 | 084 | 089† | 065† | 086 | 108 | 122 | 098 | 108 | 100 | 096 | 100 | 089 | 087 | 097 | 090 | 094 | 092 | 084 | 102 | 104 | 099 | 091 | 097 | 111 | |
| 15 | 089 | 076† | 077† | 080 | 071 | 075 | 091 | R.F. | 074† | 090† | 097 | 103 | 119 | 094 | 096 | 118 | 095 | 096 | 083 | 094 | 103 | 085 | 108 | 095 | 091 | 108 | 108 | 088 | 097 | 094 | 099 | |
| 16 | 079 | 087† | 081† | 065 | 084 | 083 | 096 | 091 | 091† | 094† | 093† | 092 | 117 | 090 | 110 | 107 | 112 | 107 | 091 | 101 | 101 | 076 | 090 | 109 | 109 | 097 | 092 | 101 | 097 | 088 | 115 | |
| 17 | 080 | 086† | 087† | 081 | 076 | 076 | 077 | 093† | 070† | 094† | 089 | 090 | 100 | 098 | 094 | 110 | 117 | 098 | 079 | 110 | 087 | 088 | 097 | 087 | 119 | 107 | 107 | 103 | 095 | 098 | 106 | |
| 18 | 089 | 079† | 067† | 083 | 082 | 080 | 095 | 100† | 094† | 100† | 086 | 098 | 100 | 095 | 109 | 118 | 094 | 104 | 072 | 091 | 108 | 086 | 089 | 088 | 098 | 099 | 108 | 090 | 092 | 095 | 108 | |
| 19 | 094 | 085† | 077† | 086 | 085 | 091 | 082 | 085† | 096† | 088† | 086 | 102 | 111 | 085 | 096 | 114 | 094 | 094 | 096 | 090 | 090 | 099 | 100 | 087 | 109 | 097 | 092 | 085 | 089 | 098 | 124 | |
| 20 | 071 | 074† | 068† | 082 | 077 | 081 | 088 | 098† | 089† | 091† | 106 | 101 | 114 | 095 | 099 | 111 | 101 | 098 | 096 | 107 | 106 | 086 | 089 | 089 | 097 | 099 | 083 | 099 | 077 | 099 | 110 | |
| 21 | 069 | 064† | 074† | 080 | 081 | 080 | 086 | 080† | 086† | 082† | 113 | 090 | 096 | 102 | 099 | 093 | 089 | 111 | 079 | 088 | 091 | 091 | 076 | 082 | 103 | 100 | 086 | 089 | 092 | 093 | 103 | |
| 22 | 079 | 069† | 091† | 089 | 099 | 069 | 081 | 083† | 095† | 086† | 086 | 095 | 108 | 097 | 104 | 097 | 084 | 083 | 084 | 089 | 086 | 075 | 069 | 084 | 094 | 075 | 089 | 097 | 083 | 082 | 096 | |
| 23 | 069 | 092† | 083† | 100 | 087 | 081 | 071 | 056† | 084† | 085† | 099 | 098 | 105 | 102 | 105 | 092 | 077 | 095 | 095 | 093 | 103 | 074 | 083 | 095 | 100 | 090 | 102 | 101 | 084 | 104 | 093 | |
| 24 | 094 | 071† | 082† | 072 | 078 | 071 | 077 | 078† | 060† | 079† | 103 | 102 | 097 | 100 | 122 | 091 | 095 | 077 | 097 | 084 | 091 | 093 | 093 | 094 | 107 | 105 | 096 | 098 | 081 | 111 | 103 | |
| Total | 25899 | 25951 | 25888 | 25922 | 25973 | 25869 | 25896 25965 26175 26313 26444 26297 26430 26442 26285 26360 26107 26253 26210 26059 26082 26122 26403 26318 26311 26304 | | | | | | | | | | | | | | | | | | | | | | | | 26326 | 26489 |
| Daily Mean | 1079.1 | 1078.7 | 1080.1 | 1082.2 | 1079.0 | 1079.0 | 1081.5 | 1080.6 | 1081.5 | 1082.2 | 1081.5 | 1080.6 | 1081.4 | 1081.3 | 1081.7 | 1084.4 | 1087.8 | 1087.5 | 1089.3 | 1093.9 | 1092.1 | 1086.7 | 1088.4 | 1100.1 | 1096.6 | 1096.3 | 1096.0 | 1096.9 | 1096.9 | 1103.7 | | |

† Estimated from two sections.
 NOTE.—1000 is subtracted from all tabulated figures greater than or equal to 1000. N.B.—From Hour 1 on 2nd January to Hour 6 on 4th January, and from Hour 16 on 8th January to Hour 3 on 11th January, estimated from two sections.

COSMIC RAY RECORDS

Station *Mawson*
Year *1961*
Month *February*

Triplic Neutron Monitor
Scale Factor *32*
Barometer Coefficient *-9.44%/cm Hg*

TABLATED Hourly Count Totals
Corrected to Standard
Pressure *990 Millibar*

TABLE 62

| Date Hour GMT | 01 | 02 | 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 |
|---------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----|-----|--------|------|--------|-----|--------|--------|--------|--------|-----|-----|-----|
| 01 | 108 | 039 | 104 | 087 | 080 | 089 | 088 | 085† | 099† | 097 | 100 | 092 | 088 | 087 | 111 | 090 | RF | 099 | 104† | 101 | 097 | 085 | 079 | 079 | 088 | 116 | 113 | RF |
| 02 | 106 | 086 | 091 | 094 | 089 | 085 | 093 | 088† | 071† | 085 | 087 | 088 | 110 | 087 | 085 | 098 | 083 | 095 | 101† | 095 | 085 | 089 | 089 | 087 | 078 | 105 | 107 | |
| 03 | 106 | 092 | 097 | 091 | 081 | 088 | 103 | 099† | 076† | 081 | 108 | 091 | 106 | 098 | 105 | 097 | 069 | 089 | 114† | 095 | 083 | 081 | 076 | 087 | 092 | 095 | RF | |
| 04 | 117 | 091 | 101 | 092 | 075 | 087 | 103 | 090† | 091† | 087 | 098 | 119 | 103 | 086 | 088 | 101 | 100 | 094 | 098† | 085 | 081 | 091 | 091 | 105 | 098 | 086 | 105 | |
| 05 | 104 | 110 | 093 | 093 | 071 | 084 | 092 | 085† | 084† | 095 | 083 | 104 | 118 | 107 | 097 | 087 | 071 | 111 | 099† | 099 | 096 | 091 | 078 | 097 | 083 | 097 | 093 | |
| 06 | 098 | 106 | 107 | 090 | 073 | 091 | 102 | 082† | 084† | 096 | 084 | 102 | 110 | 114 | 104 | 091 | 085 | 106 | 126† | 105 | 095 | 095 | 081 | 107 | 085 | 084 | RF | |
| 07 | 096 | 101 | 088 | 087 | 083 | 075 | 095 | 101† | 084† | 095 | 102 | 091 | 082 | 108 | 095 | 099 | 091 | 123 | 102† | 120 | 084 | 094 | 086 | 104 | 090 | 097 | | |
| 08 | 100 | 092 | 101 | 097 | 074 | 104 | 082 | 083† | 110† | 096 | 094 | 089 | 115 | 098 | 090 | 078 | 087 | 104 | 095† | 108 | 084 | 085 | 089 | 097 | 089 | 086 | 096 | 105 |
| 09 | 107 | 112 | 094 | 082 | 071 | 093 | 095 | 085† | 088† | 090 | 095 | 100 | 107 | 101 | 094 | 091 | 078 | 115 | 100† | 101 | RF | 077 | 101 | 095 | 076 | 106 | 096 | 103 |
| 10 | 111 | 107 | 082 | 085 | 088 | 067 | 085 | 085† | 106† | 091 | 090 | 088 | 111 | 107 | 113 | 093 | 095 | 116 | 114† | 106 | 108 | 085 | 118 | 092 | 102 | 108 | 099 | |
| 11 | 096 | 103 | 107 | 077 | 092 | 105† | 092 | 102† | 085† | 092 | 104 | 099 | 111 | 097 | 130 | 117 | 097 | 107 | 098† | 115 | 103 | 096 | 096 | 094 | 100 | 100 | 105 | 111 |
| 12 | 102 | 111 | 102 | 097 | 083 | 097† | 097 | 099† | 103† | 106 | 113 | 115 | 114 | 102 | 104 | 103 | 084 | 094 | 087† | 111 | 098 | 094 | 085 | 099 | 102 | 103 | 098 | 105 |
| 13 | 100 | 106 | 100 | 094 | 085 | 084† | 091 | 096† | 114 | 089 | 089 | 108 | 119 | 110 | 108 | 109 | 091 | 119 | 106† | 130 | 102 | 103 | 092 | 084 | 090 | 113 | 121 | 104 |
| 14 | 112 | 101 | 092 | 091 | 071 | 085 | 094 | 093† | 107 | 083 | 107 | 119 | 116 | 121 | 107 | 119 | 079 | 104 | 112† | 114 | 093 | 085 | 085 | 080 | 083 | 098 | 085 | 099 |
| 15 | 103 | 121 | 111 | 106 | 078 | 105 | 093 | 103† | 101 | 112 | 096 | 117 | 115 | 131 | 108 | 110 | 085 | 114 | RF | 105 | 095 | 080 | 109 | 097 | 092 | 104 | 104 | 097 |
| 16 | 107 | 098 | 100 | 098 | 089 | 090 | 085 | 095† | 097 | 090 | 105 | 106 | 101 | 097 | 116 | 110 | 074 | 113 | 110† | 113 | 090 | 091 | 096 | 109 | 095 | 127 | 094 | 099 |
| 17 | 094 | 099 | 097 | 084 | 078 | 054 | 092 | 112† | 091 | 095 | 113 | 111 | 103 | 106 | 106 | 096 | 073 | 112 | 105† | 105 | 088 | 088 | 103 | 078 | 104 | 104 | 093 | 104 |
| 18 | 116 | 099 | 090 | 094 | 078 | 082 | 087 | 096† | 089 | 098 | 113 | 110 | 099 | 092 | 122 | 092 | 072 | 108 | 091† | 112 | 090 | 094 | 100 | 087 | 126 | 108 | 099 | 105 |
| 19 | 110 | 099 | 079 | 095 | 077 | 098 | 097 | 107† | 098 | 082 | 098 | 108 | 113 | 105 | 124 | 093 | 088 | 112† | 104† | 113 | 095 | 092 | 107 | 086 | 104 | 093 | RF | 087 |
| 20 | 112 | 092 | 079 | 088 | 086 | 076 | 097 | 087† | 095 | 094 | 108 | 088 | 098 | 089 | 126 | 086 | 083 | 124† | 114† | 116 | 097 | 081 | 113 | 091 | 112 | RF | 098 | |
| 21 | 113 | 102 | 082 | 087 | 076 | 089 | 091 | 085† | 085 | 091 | 100 | 114 | 107 | 092 | 124 | 085 | 095 | 107† | 078† | 100 | 097 | 095 | 111 | 094 | 090 | 096 | | |
| 22 | 096 | 106 | 080 | 085 | 080 | 092 | 087 | 099† | 100 | 103 | 087 | 110 | 104 | 103 | 124 | 071 | 081 | 095† | 080† | 114 | 100 | 097 | 115 | 083 | 100 | 093 | | |
| 23 | 106 | 117 | 097 | 093 | 084 | 074 | 086 | 085† | 082 | 099 | 105 | 088 | 104 | 111 | 111 | 072 | 077 | 094† | 086† | 090 | 099 | 086 | 109 | 097 | 105 | 101 | 107 | |
| 24 | 102 | 099 | 083 | 090 | 071 | 097 | 074 | 068† | 107 | 109 | 092 | 101 | 097 | 100 | 115 | RF | 081 | 093† | 086† | 088 | 086 | 090 | 091 | 105 | 101 | 109 | 080 | |
| Total | 26522 | 26449 | 26257 | 26177 | 25913 | 26111 | 26201 | 26210 | 26251 | 26256 | 26371 | 26458 | 26551 | 26449 | 26607 | | | 26548 | | 26541 | | 26145 | 26267 | 26260 | 26275 | | | |
| Daily Mean | 1105.1 | 1094.0 | 1079.7 | 1098.0 | 1091.7 | 1093.8 | 1098.8 | 1094.0 | 1092.1 | 1098.0 | 1102.4 | 1106.3 | 1108.6 | 1102.0 | 1108.6 | | | 1106.2 | | 1105.9 | | 1089.4 | 1094.5 | 1094.2 | 1094.8 | | | |

RF: Recording failure. † Estimated from two sections. N.B.—1000 is subtracted from all tabulated figures greater than or equal to 1000.

COSMIC RAY RECORDS
 Station Mawson
 Year 1961
 Month March

Triplex Neutron Monitor
 Scale Factor 32
 Barometer Coefficient --9.44%/cm Hg

TABULATED Hourly Count Totals
 Corrected to Standard
 Pressure 990 Millibar

| Date Hour GMT | 01 | 02 | 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 |
|---------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 01 | 100 | 086 | 102 | 101 | 105 | 096 | 100 | 109† | 111† | 104 | 115 | 102 | 106 | 087 | 089 | 105 | 103 | 105 | 095 | 085 | 094 | 097 | 107 | 102 | 101 | 111 | 105 | 086 | 110 | 102 | 089 |
| 02 | 085 | 082 | 093 | 106 | 123 | 101 | 106 | 113† | 108† | 099 | 091 | 093 | 099 | 094 | 087 | 098 | 081 | 099 | 105 | 092 | 102 | 089 | 099 | 108 | 102 | 102 | 103 | 094 | 108 | 101 | 090 |
| 03 | 091 | 077 | 088 | 108 | 100 | 099 | 100 | 109† | 094† | 099 | 089 | 100 | 105 | 105 | 084 | 097 | 110 | 108 | 096 | 090 | 107 | 095 | 091 | 095 | 089 | 105 | 116 | 092 | 110 | 105 | 081 |
| 04 | 088 | 078 | 091 | 101 | 103 | 092 | 100 | 114† | 111† | 108 | 100 | 102 | 084 | 113 | 085 | 095 | 107 | 107 | 091 | 090 | 095 | 104 | 103 | 090 | 101 | 109 | 099 | 085 | 098 | 080 | 080 |
| 05 | 075 | 073 | 096 | 106 | 095 | 102 | 115 | 095† | 111† | 091 | 103 | 097 | 077 | 105 | 092 | 095 | 106 | 110 | 093 | 088 | 106 | 106 | 090 | 110 | 099 | 105 | 099 | 097 | 115 | 097 | 083 |
| 06 | 101 | 083 | 104 | 113 | 111 | 110 | 110 | 110† | 101† | 100 | 108 | 105 | 087 | 091 | 104 | 087 | 097 | 115 | 097 | 094 | 098 | 086 | 108 | 105 | 098 | 104 | 101 | 088 | 094 | 107 | 100 |
| 07 | 092 | 083 | 104 | 106 | 092 | 095 | 108 | 105† | 125† | 087 | 105 | 090 | 107 | 088 | 085 | 078 | 116 | 106 | 118 | 095 | 103 | 103 | 089 | 097 | 099 | 109 | 105 | 101 | 093 | 087 | 092 |
| 08 | 111 | 075 | 084 | 102 | 101 | 114 | 116 | 108† | 118† | 099 | 098 | 101 | 101 | 097 | 094 | 089 | 111 | 101 | 100 | 084 | 099 | 095 | 108 | 108 | 099 | 101 | 102 | 082 | 092 | 076 | 086 |
| 09 | 108 | 104 | 110 | 098 | 095 | 092 | 108 | 125† | 118† | 105 | 102 | 105 | 104 | 097 | 096 | 096 | 116 | 108 | 109 | 108 | 094 | 105 | 107 | 120 | 109 | 097 | 098 | 078 | 109 | 091 | 094 |
| 10 | 105 | 105 | 097 | 113 | 093 | 109 | 113 | 116† | 112† | 105 | 102 | 107 | 122 | 085 | 105 | 108 | 102 | 095 | 115 | 091 | 103 | 101 | 105 | 092 | 094 | 108 | 096 | 090 | 111 | 082 | 093 |
| 11 | 096 | 080 | 091 | 096 | 079 | 100 | 116 | 122† | 105† | 114 | 098 | 099 | 103 | 091 | 104 | 117 | 116 | 108 | 107 | 096 | 119 | 102 | 086 | 093 | 109 | 100 | 106 | 103 | 118 | 099 | 093 |
| 12 | 103 | 080 | 093 | 080 | 104 | 085 | 102 | 125† | 108† | 124 | 101 | 095 | 107 | 092 | 105 | 105 | 093 | 127 | 093 | 081 | 108 | 108 | 104 | 106 | 086 | 109 | 100 | 093 | 107 | 103 | 089 |
| 13 | 104 | 089 | 096 | 107 | 105 | 113 | 097 | 108† | 113† | 118 | 098 | 099 | 115 | 101 | 092 | 117 | 108 | 115 | 103 | 113 | 108 | 098 | 095 | 092 | 089 | 091 | 115 | 092 | 115 | 103 | 109 |
| 14 | 090 | 090 | 117 | 109 | 085 | 100 | 112 | 108† | 103† | 112 | 104 | 110 | 093 | 096 | 103 | 103 | 125 | 113 | 097 | 095 | 102 | 113 | 111 | 094 | 096 | 100† | 104 | 117 | 102 | 085 | 093 |
| 15 | 104 | 093 | 107 | 087 | 090 | 115 | 112 | 111† | 122† | 113 | 103 | 115 | 092 | 098 | 110 | 089 | 097 | 101 | 104 | 102 | 103 | 089 | 115 | 092 | 106 | 102 | 103 | 100 | 119 | 077 | 096 |
| 16 | 105 | 084 | 111 | 107 | 094 | 106 | 114 | 102† | 095† | 111 | 092 | 101 | 116 | 094 | 096 | 112 | 115 | 113 | 115 | 110 | 106 | 107 | 098 | 087 | 100 | 107 | 105 | 104 | 130 | 083 | 095 |
| 17 | 098 | 096 | 098 | 097 | 090 | 100 | 091 | 108† | 107† | 113 | 098 | 103 | 110 | 091 | 096 | 095 | 117 | 088 | 109 | 111 | 102 | 109 | 114 | 093 | 083 | 106 | 109 | 102 | 111 | 100 | 099 |
| 18 | 107 | 093 | 112 | 089 | 088 | 123 | 116 | 095† | 103† | 111 | 108 | 102 | 095 | 100 | 106 | 107 | 103 | 100 | 101 | 108 | 089 | 100 | 118 | 118 | 111 | 098 | 112 | 104 | 102 | 103 | 081 |
| 19 | 103 | 092 | 106 | 098 | 105 | 096 | 117 | 125† | 121† | 106 | 105 | 102 | 116 | 093 | 112 | 111 | 096 | 094 | 094 | 101 | 097 | 111 | 125 | 100 | 109 | 104 | 094 | 103 | 111 | 107 | 085 |
| 20 | 092 | 086 | 116 | 122 | 096 | 103 | 127 | 104† | 125† | 103 | 104 | 105 | 109 | 100 | 089 | 110 | 112 | 093 | 097 | 100 | 114 | 101 | 106 | 106 | 109 | 108 | 087 | 095 | 111 | 095 | 082 |
| 21 | 093 | 107 | 108 | 091 | 090 | 110 | 093 | 123† | 108† | 100 | 108 | 079 | 111 | 077 | 102 | 104 | 104 | 098 | 110 | 095 | 108 | 099 | 105 | 089 | 098 | 099 | 097 | 097 | 111 | 091 | 074 |
| 22 | 092 | 089 | 099 | 107 | 101 | 092 | 108 | 114† | 101† | 087 | 104 | 111 | 104 | 097 | 107 | 093 | 108 | 093 | 099 | 096 | 097 | 103 | 118 | 087 | 113 | 114 | 095 | 103 | 109 | 090 | 083 |
| 23 | 099 | 091 | 102 | 114 | 098 | 109 | 096 | 100† | 117† | 086 | 095 | 100 | 099 | 093 | 110 | 110 | 107 | 097 | 101 | 103 | 077 | 109 | 089 | 095 | 105 | 102 | 089 | 107 | 105 | 086 | 085 |
| 24 | 088 | 087 | 105 | 091 | 095 | 095 | 106 | 103† | 103† | 099 | 098 | 091 | 105 | 094 | 085 | 091 | 100 | 102 | 106 | 102 | 098 | 108 | 107 | 112 | 099 | 091 | 083 | 111 | 103 | 086 | 092 |
| Total | 26330 | 26103 | 26430 | 26449 | 26338 | 26457 | 26583 | 26648 | 26642 | 26494 | 26429 | 26414 | 26467 | 26279 | 26338 | 26412 | 26550 | 26496 | 26455 | 26330 | 26429 | 26438 | 26483 | 26391 | 26404 | 26482 | 26423 | 26319 | 26594 | 26254 | 26144 |
| Daily Mean | 1097.1 | 1101.3 | 1097.4 | 1107.6 | 1110.3 | 1101.1 | 1102.8 | 1095.0 | 1097.4 | 1106.3 | 1102.3 | 1104.0 | 1099.1 | 1101.2 | 1103.5 | 1103.4 | 1100.2 | 1103.4 | 1100.9 | 1100.9 | 1101.6 | 1101.6 | 1101.6 | 1103.5 | 1100.2 | 1103.4 | 1100.9 | 1106.6 | 1108.1 | 1093.9 | 1089.3 |
| Hourly Mean | 1087.6 | 1102.0 | 1097.4 | 1102.4 | 1110.3 | 1102.4 | 1110.3 | 1102.8 | 1095.0 | 1097.4 | 1106.3 | 1104.0 | 1099.1 | 1101.2 | 1103.5 | 1103.4 | 1100.2 | 1103.4 | 1100.9 | 1100.9 | 1101.6 | 1101.6 | 1101.6 | 1103.5 | 1100.2 | 1103.4 | 1100.9 | 1106.6 | 1108.1 | 1093.9 | 1089.3 |

† Estimated from two sections. N.B.—1000 is subtracted from all tabulated figures greater than or equal to 1000.

COSMIC RAY RECORDS

Station *Mawson*
Year *1961*
Month *April*

TABLE 64

TABULATED Hourly Count Totals
Corrected to Standard
Pressure 990 Millibar

Tripix Neutron Monitor
Scale Factor *32*
Barometer Coefficient *-9.44%/cm Hg*

| Date | 01 | 02 | 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------|--------|---------|---------|--------------|----------|---------|---------|---------|---------|---------|---------|----------|----------|----------|----------|---------|---------|---------|---------|---------|--------------|---------|----------|---------|---------|------------|---------|---------|----------|----------|----------|----------|---------|---------|---------|---------|---------|--------------|---------|---------|----------|---------|------------|---------|---------|----------|----------|----------|----------|---------|---------|---------|---------|---------|--------------|---------|---------|---------|----------|------------|---------|---------|----------|----------|----------|----------|----------|---------|---------|---------|---------|--------------|---------|---------|---------|---------|------------|----------|---------|----------|----------|----------|----------|---------|----------|----------|---------|---------|--------------|---------|---------|---------|---------|------------|---------|---------|----------|----------|----------|----------|---------|---------|---------|---------|---------|--------------|----------|---------|---------|---------|------------|---------|---------|----------|----------|----------|----------|----------|---------|---------|---------|---------|--------------|--------------|---------|---------|---------|------------|---------|---------|----------|----------|----------|----------|---------|---------|----------|---------|---------|--------------|---------|--------------|---------|---------|------------|---------|---------|----------|----------|----------|----------|---------|---------|---------|---------|---------|---------|--------------|---------|--------------|---------|------------|---------|---------|----------|----------|----------|---------|----------|---------|---------|---------|---------|---------|---------|--------------|---------|---------|--------------|---------|---------|----------|----------|----------|---------|---------|----------|---------|---------|---------|---------|---------|---------|--------------|---------|------------|---------|---------|---------|--------------|----------|---------|---------|---------|----------|---------|---------|---------|---------|---------|---------|---------|--------------|---------|---------|---------|----------|----------|----------|---------|---------|---------|---------|----------|---------|---------|---------|---------|---------|------------|---------|---------|---------|--------------|----------|----------|----------|---------|---------|---------|---------|---------|---------|---------|----------|---------|------------|---------|---------|---------|----------|----------|---------|----------|----------|----------|---------|---------|---------|---------|---------|---------|---------|------------|---------|---------|---------|----------|---------|----------|---------|----------|----------|---------|---------|----------|----------|---------|---------|---------|------------|---------|---------|---------|----------|---------|---------|----------|---------|---------|----------|---------|---------|----------|---------|---------|---------|------------|---------|---------|---------|----------|---------|---------|---------|----------|----------|---------|---------|---------|---------|----------|---------|---------|------------|---------|---------|---------|----------|----------|---------|---------|---------|---------|----------|---------|---------|----------|---------|---------|---------|------------|---------|---------|---------|---------|----------|----------|---------|---------|---------|---------|---------|---------|---------|----------|---------|---------|------------|---------|---------|---------|---------|---------|----------|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------------|---------|---------|---------|---------|---------|----------|---------|----------|---------|---------|---------|--------|--------|---------|---------|---------|---------|------------|---------|---------|---------|---------|---------|---------|----------|---------|---------|---------|----------|---------|---------|---------|--------|--------|---------|------------|---------|---------|---------|---------|---------|---------|---------|---------|--------|----------|---------|---------|---------|--------|--------|--------|--------|--------|------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Hour GMT | 01 099 | 107 099 | 092 103 | 092 103 | 104 104 | 100 107 | 102 096 | 107 082 | 096 097 | 083 104 | 088 084 | 075 077 | 070 085 | 084 119 | 101† | 118 098 | 123† | 135 098 | 113 113 | 108 | | 02 094 | 100 091 | 091 100 | 100 103 | 106 100 | 100 091 | 089 082 | 104 104 | 077 079 | 073 066 | 081 091 | 101 105 | 099† | 117 097 | 112† | 109 109 | 109 109 | 105 113 | | 03 095 | 125 081 | 080 084 | 122 104 | 093 100 | 076 096 | 096 095 | 108 095 | 075 072 | 077 085 | 118 084 | 100 102 | 120 091 | 095† | 114 103 | 105 118 | 112 | | 04 081 | 105 100 | 083 093 | 096 118 | 093 085 | 095 093 | 097 112 | 074 070 | 077 084 | 076 089 | 095 111 | 095† | 110 111 | 108† | 116 101 | 106 119 | 106 | | 05 090 | 095 100 | 092 096 | 117 101 | 105 103 | 099 099 | 101 115 | 075 077 | 063 077 | 077 090 | 076 106 | 086† | 105 101 | 110† | 114 101 | 119 123 | 129 | | 06 099 | 102 097 | 064 099 | 109 107 | R.F. 092 | 100 087 | 115 104 | 083 077 | 074 079 | 078 084 | 091 094 | R.F. 103 | 100 096† | 090 113 | 101 120 | 116 | | 07 095 | 101 094 | 098 105 | 109 108 | 111 088 | 085 096 | 097 112 | 067 074 | 081 079 | 082 098 | 093 096 | 110† | 114 089 | 109 107 | 095 105 | 111 | | 08 087 | 109 097 | 057 103 | 093 110 | 115 109 | 104 088 | 117 122 | 058 101 | 088 068 | 075 097 | 089 103 | 096† | 110 102 | 111 108 | 107 110 | 120 | | 09 079 | 092 092 | 084 103 | 116 108 | 101 095 | 100 113 | 111 118 | 057 084 | 085 066 | 080 083 | 079 103 | 109† | R.F. 102 | 111 108 | 107 102 | 125 | | 10 087 | 099 094 | 090 096 | 115 107 | 116 111 | 104 106 | 108 111 | 051 081 | 081 059 | 084 099 | 093 088 | 107† | 090 111 | 084 110 | 103 105 | 118 | | 11 097 | 106 091 | 107 102 | 108 108 | 101 104 | 102 105 | 106 105 | 056 093 | 089 059 | 087 102 | 098 097 | 109† | 110 107 | 110 118 | 118 117 | 129 137 | | 12 092 | 094 084 | 093 109 | 091 R.F. 108 | 108 108 | 108 108 | 107 117 | 114 074 | 085 082 | 082 079 | 083 087 | 118 113 | 106 117 | 123 109 | 128 111 | 119 110 | | 13 099 | 079 075 | 110 118 | 113 107 | 114 107 | 114 104 | 092 108 | 111 118 | 058 100 | 079 081 | 091 090 | 084 113 | 111† | 101 101 | 109 095 | 111 108 | | 14 085 | 105 082 | 099 109 | 097 R.F. 109 | 098 100 | 103 102 | 111 125 | 065 095 | 087 085 | 071 093 | 101 107 | 100† | 106 099 | 110 120 | R.F. 109 | 120 115 | | 15 086 | 100 079 | 094 094 | 111 115 | 098 115 | 110 100 | 107 111 | 14 120 | 124 065 | 081 079 | 095 086 | 085 091 | 101 099 | 111 108 | 119 123 | 111 | | 16 095 | 102 077 | 110 098 | 115 125 | 122 103 | 101 089 | 112 112 | 113 070 | 094 091 | 074 093 | 081 097 | 103 100† | 116 106† | 117 105 | 113 118 | 125 114 | | 17 095 | 090 089 | 105 113 | 125 110 | 117 089 | 111 104 | 099 105 | 120 049 | 069 090 | 071 084 | 091 093 | 098 093 | 105 104† | 106 100 | 106 119 | 114 108 | | 18 105 | 081 075 | 105 106 | 110 118 | 126 102 | 111 096 | 092 113 | 115 093 | 073 071 | 080 075 | 082 098 | 101 102 | 097† | 100 100† | 111 111 | 104 113 | | 19 095 | 089 096 | 097 118 | 126 102 | 111 096 | 081 119 | 114 117 | 100 070 | 074 080 | 080 093 | 094 091 | 103 092 | 102 114† | 117 123 | 103 118 | 107 108 | | 20 103 | 096 072 | 102 109 | 121 101 | 106 107 | 102 097 | 083 091 | 120 112 | 077 081 | 080 081 | 083 095 | 101 113 | 101† | 117 123† | 118 110 | 120 114 | | 21 094 | 103 089 | 092 101 | 106 107 | 102 097 | 102 097 | 102 119 | 087 078 | 083 086 | 071 084 | 075 101 | 098 097 | 097 | 136† | 122 103 | 108 110 | | 22 104 | 092 081 | 099 113 | 102 105 | 100 099 | 121 102 | 119 087 | 078 083 | 086 071 | 084 075 | 101 098 | 097 | 097 | 136† | 122 103 | 108 110 | | 23 098 | 094 078 | 102 117 | 120 096 | 111 112 | 096 122 | 108 105 | 074 075 | 096 067 | 099 091 | 101 121 | 107† | 095 107† | 113 126 | 131 115 | 116 108 | | 24 095 | 094 079 | 092 127 | 113 106 | 084 104 | 082 097 | 115 087 | 076 081 | 068 060 | 081 090 | 103 085 | 084† | 103 107† | 124 094 | 118 112 | 109 112 | Total | 26249 | 26360 | 26092 | 26298 | 26516 | 26642 | 26388 | 26323 | 26469 | 26612 | 26625 | 25675 | 25987 | 25942 | 25789 | 25983 | 26193 | 26238 | 26488 | 26547 | 26668 | 26662 | 26681 | 26789 | 26781 | Daily Mean | 1093.7 | 1087.2 | 1095.7 | 1104.8 | 1110.1 | 1099.5 | 1102.9 | 1108.8 | 1109.4 | 1082.8 | 1074.5 | 1091.4 | 1093.3 | 1103.7 | 1106.1 | 1111.2 | 1110.9 | 1111.7 | 1116.2 | 1115.9 | RF | 1098.3 | 1095.7 | 1110.1 | 1104.8 | 1110.1 | 1099.5 | 1102.9 | 1108.8 | 1109.4 | 1082.8 | 1074.5 | 1091.4 | 1093.3 | 1103.7 | 1106.1 | 1111.2 | 1110.9 | 1111.7 | 1116.2 | 1115.9 |
| | 02 094 | 100 091 | 091 100 | 100 103 | 106 100 | 100 091 | 089 082 | 104 104 | 077 079 | 073 066 | 081 091 | 101 105 | 099† | 117 097 | 112† | 109 109 | 109 109 | 105 113 | | 03 095 | 125 081 | 080 084 | 122 104 | 093 100 | 076 096 | 096 095 | 108 095 | 075 072 | 077 085 | 118 084 | 100 102 | 120 091 | 095† | 114 103 | 105 118 | 112 | | 04 081 | 105 100 | 083 093 | 096 118 | 093 085 | 095 093 | 097 112 | 074 070 | 077 084 | 076 089 | 095 111 | 095† | 110 111 | 108† | 116 101 | 106 119 | 106 | | 05 090 | 095 100 | 092 096 | 117 101 | 105 103 | 099 099 | 101 115 | 075 077 | 063 077 | 077 090 | 076 106 | 086† | 105 101 | 110† | 114 101 | 119 123 | 129 | | 06 099 | 102 097 | 064 099 | 109 107 | R.F. 092 | 100 087 | 115 104 | 083 077 | 074 079 | 078 084 | 091 094 | R.F. 103 | 100 096† | 090 113 | 101 120 | 116 | | 07 095 | 101 094 | 098 105 | 109 108 | 111 088 | 085 096 | 097 112 | 067 074 | 081 079 | 082 098 | 093 096 | 110† | 114 089 | 109 107 | 095 105 | 111 | | 08 087 | 109 097 | 057 103 | 093 110 | 115 109 | 104 088 | 117 122 | 058 101 | 088 068 | 075 097 | 089 103 | 096† | 110 102 | 111 108 | 107 110 | 120 | | 09 079 | 092 092 | 084 103 | 116 108 | 101 095 | 100 113 | 111 118 | 057 084 | 085 066 | 080 083 | 079 103 | 109† | R.F. 102 | 111 108 | 107 102 | 125 | | 10 087 | 099 094 | 090 096 | 115 107 | 116 111 | 104 106 | 108 111 | 051 081 | 081 059 | 084 099 | 093 088 | 107† | 090 111 | 084 110 | 103 105 | 118 | | 11 097 | 106 091 | 107 102 | 108 108 | 101 104 | 102 105 | 106 105 | 056 093 | 089 059 | 087 102 | 098 097 | 109† | 110 107 | 110 118 | 118 117 | 129 137 | | 12 092 | 094 084 | 093 109 | 091 R.F. 108 | 108 108 | 108 108 | 107 117 | 114 074 | 085 082 | 082 079 | 083 087 | 118 113 | 106 117 | 123 109 | 128 111 | 119 110 | | 13 099 | 079 075 | 110 118 | 113 107 | 114 107 | 114 104 | 092 108 | 111 118 | 058 100 | 079 081 | 091 090 | 084 113 | 111† | 101 101 | 109 095 | 111 108 | | 14 085 | 105 082 | 099 109 | 097 R.F. 109 | 098 100 | 103 102 | 111 125 | 065 095 | 087 085 | 071 093 | 101 107 | 100† | 106 099 | 110 120 | R.F. 109 | 120 115 | | 15 086 | 100 079 | 094 094 | 111 115 | 098 115 | 110 100 | 107 111 | 14 120 | 124 065 | 081 079 | 095 086 | 085 091 | 101 099 | 111 108 | 119 123 | 111 | | 16 095 | 102 077 | 110 098 | 115 125 | 122 103 | 101 089 | 112 112 | 113 070 | 094 091 | 074 093 | 081 097 | 103 100† | 116 106† | 117 105 | 113 118 | 125 114 | | 17 095 | 090 089 | 105 113 | 125 110 | 117 089 | 111 104 | 099 105 | 120 049 | 069 090 | 071 084 | 091 093 | 098 093 | 105 104† | 106 100 | 106 119 | 114 108 | | 18 105 | 081 075 | 105 106 | 110 118 | 126 102 | 111 096 | 092 113 | 115 093 | 073 071 | 080 075 | 082 098 | 101 102 | 097† | 100 100† | 111 111 | 104 113 | | 19 095 | 089 096 | 097 118 | 126 102 | 111 096 | 081 119 | 114 117 | 100 070 | 074 080 | 080 093 | 094 091 | 103 092 | 102 114† | 117 123 | 103 118 | 107 108 | | 20 103 | 096 072 | 102 109 | 121 101 | 106 107 | 102 097 | 083 091 | 120 112 | 077 081 | 080 081 | 083 095 | 101 113 | 101† | 117 123† | 118 110 | 120 114 | | 21 094 | 103 089 | 092 101 | 106 107 | 102 097 | 102 097 | 102 119 | 087 078 | 083 086 | 071 084 | 075 101 | 098 097 | 097 | 136† | 122 103 | 108 110 | | 22 104 | 092 081 | 099 113 | 102 105 | 100 099 | 121 102 | 119 087 | 078 083 | 086 071 | 084 075 | 101 098 | 097 | 097 | 136† | 122 103 | 108 110 | | 23 098 | 094 078 | 102 117 | 120 096 | 111 112 | 096 122 | 108 105 | 074 075 | 096 067 | 099 091 | 101 121 | 107† | 095 107† | 113 126 | 131 115 | 116 108 | | 24 095 | 094 079 | 092 127 | 113 106 | 084 104 | 082 097 | 115 087 | 076 081 | 068 060 | 081 090 | 103 085 | 084† | 103 107† | 124 094 | 118 112 | 109 112 | Total | 26249 | 26360 | 26092 | 26298 | 26516 | 26642 | 26388 | 26323 | 26469 | 26612 | 26625 | 25675 | 25987 | 25942 | 25789 | 25983 | 26193 | 26238 | 26488 | 26547 | 26668 | 26662 | 26681 | 26789 | 26781 | Daily Mean | 1093.7 | 1087.2 | 1095.7 | 1104.8 | 1110.1 | 1099.5 | 1102.9 | 1108.8 | 1109.4 | 1082.8 | 1074.5 | 1091.4 | 1093.3 | 1103.7 | 1106.1 | 1111.2 | 1110.9 | 1111.7 | 1116.2 | 1115.9 | RF | 1098.3 | 1095.7 | 1110.1 | 1104.8 | 1110.1 | 1099.5 | 1102.9 | 1108.8 | 1109.4 | 1082.8 | 1074.5 | 1091.4 | 1093.3 | 1103.7 | 1106.1 | 1111.2 | 1110.9 | 1111.7 | 1116.2 | 1115.9 | | | | | | | | | | | | | | | | | | | | | |
| | 03 095 | 125 081 | 080 084 | 122 104 | 093 100 | 076 096 | 096 095 | 108 095 | 075 072 | 077 085 | 118 084 | 100 102 | 120 091 | 095† | 114 103 | 105 118 | 112 | | 04 081 | 105 100 | 083 093 | 096 118 | 093 085 | 095 093 | 097 112 | 074 070 | 077 084 | 076 089 | 095 111 | 095† | 110 111 | 108† | 116 101 | 106 119 | 106 | | 05 090 | 095 100 | 092 096 | 117 101 | 105 103 | 099 099 | 101 115 | 075 077 | 063 077 | 077 090 | 076 106 | 086† | 105 101 | 110† | 114 101 | 119 123 | 129 | | 06 099 | 102 097 | 064 099 | 109 107 | R.F. 092 | 100 087 | 115 104 | 083 077 | 074 079 | 078 084 | 091 094 | R.F. 103 | 100 096† | 090 113 | 101 120 | 116 | | 07 095 | 101 094 | 098 105 | 109 108 | 111 088 | 085 096 | 097 112 | 067 074 | 081 079 | 082 098 | 093 096 | 110† | 114 089 | 109 107 | 095 105 | 111 | | 08 087 | 109 097 | 057 103 | 093 110 | 115 109 | 104 088 | 117 122 | 058 101 | 088 068 | 075 097 | 089 103 | 096† | 110 102 | 111 108 | 107 110 | 120 | | 09 079 | 092 092 | 084 103 | 116 108 | 101 095 | 100 113 | 111 118 | 057 084 | 085 066 | 080 083 | 079 103 | 109† | R.F. 102 | 111 108 | 107 102 | 125 | | 10 087 | 099 094 | 090 096 | 115 107 | 116 111 | 104 106 | 108 111 | 051 081 | 081 059 | 084 099 | 093 088 | 107† | 090 111 | 084 110 | 103 105 | 118 | | 11 097 | 106 091 | 107 102 | 108 108 | 101 104 | 102 105 | 106 105 | 056 093 | 089 059 | 087 102 | 098 097 | 109† | 110 107 | 110 118 | 118 117 | 129 137 | | 12 092 | 094 084 | 093 109 | 091 R.F. 108 | 108 108 | 108 108 | 107 117 | 114 074 | 085 082 | 082 079 | 083 087 | 118 113 | 106 117 | 123 109 | 128 111 | 119 110 | | 13 099 | 079 075 | 110 118 | 113 107 | 114 107 | 114 104 | 092 108 | 111 118 | 058 100 | 079 081 | 091 090 | 084 113 | 111† | 101 101 | 109 095 | 111 108 | | 14 085 | 105 082 | 099 109 | 097 R.F. 109 | 098 100 | 103 102 | 111 125 | 065 095 | 087 085 | 071 093 | 101 107 | 100† | 106 099 | 110 120 | R.F. 109 | 120 115 | | 15 086 | 100 079 | 094 094 | 111 115 | 098 115 | 110 100 | 107 111 | 14 120 | 124 065 | 081 079 | 095 086 | 085 091 | 101 099 | 111 108 | 119 123 | 111 | | 16 095 | 102 077 | 110 098 | 115 125 | 122 103 | 101 089 | 112 112 | 113 070 | 094 091 | 074 093 | 081 097 | 103 100† | 116 106† | 117 105 | 113 118 | 125 114 | | 17 095 | 090 089 | 105 113 | 125 110 | 117 089 | 111 104 | 099 105 | 120 049 | 069 090 | 071 084 | 091 093 | 098 093 | 105 104† | 106 100 | 106 119 | 114 108 | | 18 105 | 081 075 | 105 106 | 110 118 | 126 102 | 111 096 | 092 113 | 115 093 | 073 071 | 080 075 | 082 098 | 101 102 | 097† | 100 100† | 111 111 | 104 113 | | 19 095 | 089 096 | 097 118 | 126 102 | 111 096 | 081 119 | 114 117 | 100 070 | 074 080 | 080 093 | 094 091 | 103 092 | 102 114† | 117 123 | 103 118 | 107 108 | | 20 103 | 096 072 | 102 109 | 121 101 | 106 107 | 102 097 | 083 091 | 120 112 | 077 081 | 080 081 | 083 095 | 101 113 | 101† | 117 123† | 118 110 | 120 114 | | 21 094 | 103 089 | 092 101 | 106 107 | 102 097 | 102 097 | 102 119 | 087 078 | 083 086 | 071 084 | 075 101 | 098 097 | 097 | 136† | 122 103 | 108 110 | | 22 104 | 092 081 | 099 113 | 102 105 | 100 099 | 121 102 | 119 087 | 078 083 | 086 071 | 084 075 | 101 098 | 097 | 097 | 136† | 122 103 | 108 110 | | 23 098 | 094 078 | 102 117 | 120 096 | 111 112 | 096 122 | 108 105 | 074 075 | 096 067 | 099 091 | 101 121 | 107† | 095 107† | 113 126 | 131 115 | 116 108 | | 24 095 | 094 079 | 092 127 | 113 106 | 084 104 | 082 097 | 115 087 | 076 081 | 068 060 | 081 090 | 103 085 | 084† | 103 107† | 124 094 | 118 112 | 109 112 | Total | 26249 | 26360 | 26092 | 26298 | 26516 | 26642 | 26388 | 26323 | 26469 | 26612 | 26625 | 25675 | 25987 | 25942 | 25789 | 25983 | 26193 | 26238 | 26488 | 26547 | 26668 | 26662 | 26681 | 26789 | 26781 | Daily Mean | 1093.7 | 1087.2 | 1095.7 | 1104.8 | 1110.1 | 1099.5 | 1102.9 | 1108.8 | 1109.4 | 1082.8 | 1074.5 | 1091.4 | 1093.3 | 1103.7 | 1106.1 | 1111.2 | 1110.9 | 1111.7 | 1116.2 | 1115.9 | RF | 1098.3 | 1095.7 | 1110.1 | 1104.8 | 1110.1 | 1099.5 | 1102.9 | 1108.8 | 1109.4 | 1082.8 | 1074.5 | 1091.4 | 1093.3 | 1103.7 | 1106.1 | 1111.2 | 1110.9 | 1111.7 | 1116.2 | 1115.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 04 081 | 105 100 | 083 093 | 096 118 | 093 085 | 095 093 | 097 112 | 074 070 | 077 084 | 076 089 | 095 111 | 095† | 110 111 | 108† | 116 101 | 106 119 | 106 | | 05 090 | 095 100 | 092 096 | 117 101 | 105 103 | 099 099 | 101 115 | 075 077 | 063 077 | 077 090 | 076 106 | 086† | 105 101 | 110† | 114 101 | 119 123 | 129 | | 06 099 | 102 097 | 064 099 | 109 107 | R.F. 092 | 100 087 | 115 104 | 083 077 | 074 079 | 078 084 | 091 094 | R.F. 103 | 100 096† | 090 113 | 101 120 | 116 | | 07 095 | 101 094 | 098 105 | 109 108 | 111 088 | 085 096 | 097 112 | 067 074 | 081 079 | 082 098 | 093 096 | 110† | 114 089 | 109 107 | 095 105 | 111 | | 08 087 | 109 097 | 057 103 | 093 110 | 115 109 | 104 088 | 117 122 | 058 101 | 088 068 | 075 097 | 089 103 | 096† | 110 102 | 111 108 | 107 110 | 120 | | 09 079 | 092 092 | 084 103 | 116 108 | 101 095 | 100 113 | 111 118 | 057 084 | 085 066 | 080 083 | 079 103 | 109† | R.F. 102 | 111 108 | 107 102 | 125 | | 10 087 | 099 094 | 090 096 | 115 107 | 116 111 | 104 106 | 108 111 | 051 081 | 081 059 | 084 099 | 093 088 | 107† | 090 111 | 084 110 | 103 105 | 118 | | 11 097 | 106 091 | 107 102 | 108 108 | 101 104 | 102 105 | 106 105 | 056 093 | 089 059 | 087 102 | 098 097 | 109† | 110 107 | 110 118 | 118 117 | 129 137 | | 12 092 | 094 084 | 093 109 | 091 R.F. 108 | 108 108 | 108 108 | 107 117 | 114 074 | 085 082 | 082 079 | 083 087 | 118 113 | 106 117 | 123 109 | 128 111 | 119 110 | | 13 099 | 079 075 | 110 118 | 113 107 | 114 107 | 114 104 | 092 108 | 111 118 | 058 100 | 079 081 | 091 090 | 084 113 | 111† | 101 101 | 109 095 | 111 108 | | 14 085 | 105 082 | 099 109 | 097 R.F. 109 | 098 100 | 103 102 | 111 125 | 065 095 | 087 085 | 071 093 | 101 107 | 100† | 106 099 | 110 120 | R.F. 109 | 120 115 | | 15 086 | 100 079 | 094 094 | 111 115 | 098 115 | 110 100 | 107 111 | 14 120 | 124 065 | 081 079 | 095 086 | 085 091 | 101 099 | 111 108 | 119 123 | 111 | | 16 095 | 102 077 | 110 098 | 115 125 | 122 103 | 101 089 | 112 112 | 113 070 | 094 091 | 074 093 | 081 097 | 103 100† | 116 106† | 117 105 | 113 118 | 125 114 | | 17 095 | 090 089 | 105 113 | 125 110 | 117 089 | 111 104 | 099 105 | 120 049 | 069 090 | 071 084 | 091 093 | 098 093 | 105 104† | 106 100 | 106 119 | 114 108 | | 18 105 | 081 075 | 105 106 | 110 118 | 126 102 | 111 096 | 092 113 | 115 093 | 073 071 | 080 075 | 082 098 | 101 102 | 097† | 100 100† | 111 111 | 104 113 | | 19 095 | 089 096 | 097 118 | 126 102 | 111 096 | 081 119 | 114 117 | 100 070 | 074 080 | 080 093 | 094 091 | 103 092 | 102 114† | 117 123 | 103 118 | 107 108 | | 20 103 | 096 072 | 102 109 | 121 101 | 106 107 | 102 097 | 083 091 | 120 112 | 077 081 | 080 081 | 083 095 | 101 113 | 101† | 117 123† | 118 110 | 120 114 | | 21 094 | 103 089 | 092 101 | 106 107 | 102 097 | 102 097 | 102 119 | 087 078 | 083 086 | 071 084 | 075 101 | 098 097 | 097 | 136† | 122 103 | 108 110 | | 22 104 | 092 081 | 099 113 | 102 105 | 100 099 | 121 102 | 119 087 | 078 083 | 086 071 | 084 075 | 101 098 | 097 | 097 | 136† | 122 103 | 108 110 | | 23 098 | 094 078 | 102 117 | 120 096 | 111 112 | 096 122 | 108 105 | 074 075 | 096 067 | 099 091 | 101 121 | 107† | 095 107† | 113 126 | 131 115 | 116 108 | | 24 095 | 094 079 | 092 127 | 113 106 | 084 104 | 082 097 | 115 087 | 076 081 | 068 060 | 081 090 | 103 085 | 084† | 103 107† | 124 094 | 118 112 | 109 112 | Total | 26249 | 26360 | 26092 | 26298 | 26516 | 26642 | 26388 | 26323 | 26469 | 26612 | 26625 | 25675 | 25987 | 25942 | 25789 | 25983 | 26193 | 26238 | 26488 | 26547 | 26668 | 26662 | 26681 | 26789 | 26781 | Daily Mean | 1093.7 | 1087.2 | 1095.7 | 1104.8 | 1110.1 | 1099.5 | 1102.9 | 1108.8 | 1109.4 | 1082.8 | 1074.5 | 1091.4 | 1093.3 | 1103.7 | 1106.1 | 1111.2 | 1110.9 | 1111.7 | 1116.2 | 1115.9 | RF | 1098.3 | 1095.7 | 1110.1 | 1104.8 | 1110.1 | 1099.5 | 1102.9 | 1108.8 | 1109.4 | 1082.8 | 1074.5 | 1091.4 | 1093.3 | 1103.7 | 1106.1 | 1111.2 | 1110.9 | 1111.7 | 1116.2 | 1115.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 05 090 | 095 100 | 092 096 | 117 101 | 105 103 | 099 099 | 101 115 | 075 077 | 063 077 | 077 090 | 076 106 | 086† | 105 101 | 110† | 114 101 | 119 123 | 129 | | 06 099 | 102 097 | 064 099 | 109 107 | R.F. 092 | 100 087 | 115 104 | 083 077 | 074 079 | 078 084 | 091 094 | R.F. 103 | 100 096† | 090 113 | 101 120 | 116 | | 07 095 | 101 094 | 098 105 | 109 108 | 111 088 | 085 096 | 097 112 | 067 074 | 081 079 | 082 098 | 093 096 | 110† | 114 089 | 109 107 | 095 105 | 111 | | 08 087 | 109 097 | 057 103 | 093 110 | 115 109 | 104 088 | 117 122 | 058 101 | 088 068 | 075 097 | 089 103 | 096† | 110 102 | 111 108 | 107 110 | 120 | | 09 079 | 092 092 | 084 103 | 116 108 | 101 095 | 100 113 | 111 118 | 057 084 | 085 066 | 080 083 | 079 103 | 109† | R.F. 102 | 111 108 | 107 102 | 125 | | 10 087 | 099 094 | 090 096 | 115 107 | 116 111 | 104 106 | 108 111 | 051 081 | 081 059 | 084 099 | 093 088 | 107† | 090 111 | 084 110 | 103 105 | 118 | | 11 097 | 106 091 | 107 102 | 108 108 | 101 104 | 102 105 | 106 105 | 056 093 | 089 059 | 087 102 | 098 097 | 109† | 110 107 | 110 118 | 118 117 | 129 137 | | 12 092 | 094 084 | 093 109 | 091 R.F. 108 | 108 108 | 108 108 | 107 117 | 114 074 | 085 082 | 082 079 | 083 087 | 118 113 | 106 117 | 123 109 | 128 111 | 119 110 | | 13 099 | 079 075 | 110 118 | 113 107 | 114 107 | 114 104 | 092 108 | 111 118 | 058 100 | 079 081 | 091 090 | 084 113 | 111† | 101 101 | 109 095 | 111 108 | | 14 085 | 105 082 | 099 109 | 097 R.F. 109 | 098 100 | 103 102 | 111 125 | 065 095 | 087 085 | 071 093 | 101 107 | 100† | 106 099 | 110 120 | R.F. 109 | 120 115 | | 15 086 | 100 079 | 094 094 | 111 115 | 098 115 | 110 100 | 107 111 | 14 120 | 124 065 | 081 079 | 095 086 | 085 091 | 101 099 | 111 108 | 119 123 | 111 | | 16 095 | 102 077 | 110 098 | 115 125 | 122 103 | 101 089 | 112 112 | 113 070 | 094 091 | 074 093 | 081 097 | 103 100† | 116 106† | 117 105 | 113 118 | 125 114 | | 17 095 | 090 089 | 105 113 | 125 110 | 117 089 | 111 104 | 099 105 | 120 049 | 069 090 | 071 084 | 091 093 | 098 093 | 105 104† | 106 100 | 106 119 | 114 108 | | 18 105 | 081 075 | 105 106 | 110 118 | 126 102 | 111 096 | 092 113 | 115 093 | 073 071 | 080 075 | 082 098 | 101 102 | 097† | 100 100† | 111 111 | 104 113 | | 19 095 | 089 096 | 097 118 | 126 102 | 111 096 | 081 119 | 114 117 | 100 070 | 074 080 | 080 093 | 094 091 | 103 092 | 102 114† | 117 123 | 103 118 | 107 108 | | 20 103 | 096 072 | 102 109 | 121 101 | 106 107 | 102 097 | 083 091 | 120 112 | 077 081 | 080 081 | 083 095 | 101 113 | 101† | 117 123† | 118 110 | 120 114 | | 21 094 | 103 089 | 092 101 | 106 107 | 102 097 | 102 097 | 102 119 | 087 078 | 083 086 | 071 084 | 075 101 | 098 097 | 097 | 136† | 122 103 | 108 110 | | 22 104 | 092 081 | 099 113 | 102 105 | 100 099 | 121 102 | 119 087 | 078 083 | 086 071 | 084 075 | 101 098 | 097 | 097 | 136† | 122 103 | 108 110 | | 23 098 | 094 078 | 102 117 | 120 096 | 111 112 | 096 122 | 108 105 | 074 075 | 096 067 | 099 091 | 101 121 | 107† | 095 107† | 113 126 | 131 115 | 116 108 | | 24 095 | 094 079 | 092 127 | 113 106 | 084 104 | 082 097 | 115 087 | 076 081 | 068 060 | 081 090 | 103 085 | 084† | 103 107† | 124 094 | 118 112 | 109 112 | Total | 26249 | 26360 | 26092 | 26298 | 26516 | 26642 | 26388 | 26323 | 26469 | 26612 | 26625 | 25675 | 25987 | 25942 | 25789 | 25983 | 26193 | 26238 | 26488 | 26547 | 26668 | 26662 | 26681 | 26789 | 26781 | Daily Mean | 1093.7 | 1087.2 | 1095.7 | 1104.8 | 1110.1 | 1099.5 | 1102.9 | 1108.8 | 1109.4 | 1082.8 | 1074.5 | 1091.4 | 1093.3 | 1103.7 | 1106.1 | 1111.2 | 1110.9 | 1111.7 | 1116.2 | 1115.9 | RF | 1098.3 | 1095.7 | 1110.1 | 1104.8 | 1110.1 | 1099.5 | 1102.9 | 1108.8 | 1109.4 | 1082.8 | 1074.5 | 1091.4 | 1093.3 | 1103.7 | 1106.1 | 1111.2 | 1110.9 | 1111.7 | 1116.2 | 1115.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 06 099 | 102 097 | 064 099 | 109 107 | R.F. 092 | 100 087 | 115 104 | 083 077 | 074 079 | 078 084 | 091 094 | R.F. 103 | 100 096† | 090 113 | 101 120 | 116 | | 07 095 | 101 094 | 098 105 | 109 108 | 111 088 | 085 096 | 097 112 | 067 074 | 081 079 | 082 098 | 093 096 | 110† | 114 089 | 109 107 | 095 105 | 111 | | 08 087 | 109 097 | 057 103 | 093 110 | 115 109 | 104 088 | 117 122 | 058 101 | 088 068 | 075 097 | 089 103 | 096† | 110 102 | 111 108 | 107 110 | 120 | | 09 079 | 092 092 | 084 103 | 116 108 | 101 095 | 100 113 | 111 118 | 057 084 | 085 066 | 080 083 | 079 103 | 109† | R.F. 102 | 111 108 | 107 102 | 125 | | 10 087 | 099 094 | 090 096 | 115 107 | 116 111 | 104 106 | 108 111 | 051 081 | 081 059 | 084 099 | 093 088 | 107† | 090 111 | 084 110 | 103 105 | 118 | | 11 097 | 106 091 | 107 102 | 108 108 | 101 104 | 102 105 | 106 105 | 056 093 | 089 059 | 087 102 | 098 097 | 109† | 110 107 | 110 118 | 118 117 | 129 137 | | 12 092 | 094 084 | 093 109 | 091 R.F. 108 | 108 108 | 108 108 | 107 117 | 114 074 | 085 082 | 082 079 | 083 087 | 118 113 | 106 117 | 123 109 | 128 111 | 119 110 | | 13 099 | 079 075 | 110 118 | 113 107 | 114 107 | 114 104 | 092 108 | 111 118 | 058 100 | 079 081 | 091 090 | 084 113 | 111† | 101 101 | 109 095 | 111 108 | | 14 085 | 105 082 | 099 109 | 097 R.F. 109 | 098 100 | 103 102 | 111 125 | 065 095 | 087 085 | 071 093 | 101 107 | 100† | 106 099 | 110 120 | R.F. 109 | 120 115 | | 15 086 | 100 079 | 094 094 | 111 115 | 098 115 | 110 100 | 107 111 | 14 120 | 124 065 | 081 079 | 095 086 | 085 091 | 101 099 | 111 108 | 119 123 | 111 | | 16 095 | 102 077 | 110 098 | 115 125 | 122 103 | 101 089 | 112 112 | 113 070 | 094 091 | 074 093 | 081 097 | 103 100† | 116 106† | 117 105 | 113 118 | 125 114 | | 17 095 | 090 089 | 105 113 | 125 110 | 117 089 | 111 104 | 099 105 | 120 049 | 069 090 | 071 084 | 091 093 | 098 093 | 105 104† | 106 100 | 106 119 | 114 108 | | 18 105 | 081 075 | 105 106 | 110 118 | 126 102 | 111 096 | 092 113 | 115 093 | 073 071 | 080 075 | 082 098 | 101 102 | 097† | 100 100† | 111 111 | 104 113 | | 19 095 | 089 096 | 097 118 | 126 102 | 111 096 | 081 119 | 114 117 | 100 070 | 074 080 | 080 093 | 094 091 | 103 092 | 102 114† | 117 123 | 103 118 | 107 108 | | 20 103 | 096 072 | 102 109 | 121 101 | 106 107 | 102 097 | 083 091 | 120 112 | 077 081 | 080 081 | 083 095 | 101 113 | 101† | 117 123† | 118 110 | 120 114 | | 21 094 | 103 089 | 092 101 | 106 107 | 102 097 | 102 097 | 102 119 | 087 078 | 083 086 | 071 084 | 075 101 | 098 097 | 097 | 136† | 122 103 | 108 110 | | 22 104 | 092 081 | 099 113 | 102 105 | 100 099 | 121 102 | 119 087 | 078 083 | 086 071 | 084 075 | 101 098 | 097 | 097 | 136† | 122 103 | 108 110 | | 23 098 | 094 078 | 102 117 | 120 096 | 111 112 | 096 122 | 108 105 | 074 075 | 096 067 | 099 091 | 101 121 | 107† | 095 107† | 113 126 | 131 115 | 116 108 | | 24 095 | 094 079 | 092 127 | 113 106 | 084 104 | 082 097 | 115 087 | 076 081 | 068 060 | 081 090 | 103 085 | 084† | 103 107† | 124 094 | 118 112 | 109 112 | Total | 26249 | 26360 | 26092 | 26298 | 26516 | 26642 | 26388 | 26323 | 26469 | 26612 | 26625 | 25675 | 25987 | 25942 | 25789 | 25983 | 26193 | 26238 | 26488 | 26547 | 26668 | 26662 | 26681 | 26789 | 26781 | Daily Mean | 1093.7 | 1087.2 | 1095.7 | 1104.8 | 1110.1 | 1099.5 | 1102.9 | 1108.8 | 1109.4 | 1082.8 | 1074.5 | 1091.4 | 1093.3 | 1103.7 | 1106.1 | 1111.2 | 1110.9 | 1111.7 | 1116.2 | 1115.9 | RF | 1098.3 | 1095.7 | 1110.1 | 1104.8 | 1110.1 | 1099.5 | 1102.9 | 1108.8 | 1109.4 | 1082.8 | 1074.5 | 1091.4 | 1093.3 | 1103.7 | 1106.1 | 1111.2 | 1110.9 | 1111.7 | 1116.2 | 1115.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 07 095 | 101 094 | 098 105 | 109 108 | 111 088 | 085 096 | 097 112 | 067 074 | 081 079 | 082 098 | 093 096 | 110† | 114 089 | 109 107 | 095 105 | 111 | | 08 087 | 109 097 | 057 103 | 093 110 | 115 109 | 104 088 | 117 122 | 058 101 | 088 068 | 075 097 | 089 103 | 096† | 110 102 | 111 108 | 107 110 | 120 | | 09 079 | 092 092 | 084 103 | 116 108 | 101 095 | 100 113 | 111 118 | 057 084 | 085 066 | 080 083 | 079 103 | 109† | R.F. 102 | 111 108 | 107 102 | 125 | | 10 087 | 099 094 | 090 096 | 115 107 | 116 111 | 104 106 | 108 111 | 051 081 | 081 059 | 084 099 | 093 088 | 107† | 090 111 | 084 110 | 103 105 | 118 | | 11 097 | 106 091 | 107 102 | 108 108 | 101 104 | 102 105 | 106 105 | 056 093 | 089 059 | 087 102 | 098 097 | 109† | 110 107 | 110 118 | 118 117 | 129 137 | | 12 092 | 094 084 | 093 109 | 091 R.F. 108 | 108 108 | 108 108 | 107 117 | 114 074 | 085 082 | 082 079 | 083 087 | 118 113 | 106 117 | 123 109 | 128 111 | 119 110 | | 13 099 | 079 075 | 110 118 | 113 107 | 114 107 | 114 104 | 092 108 | 111 118 | 058 100 | 079 081 | 091 090 | 084 113 | 111† | 101 101 | 109 095 | 111 108 | | 14 085 | 105 082 | 099 109 | 097 R.F. 109 | 098 100 | 103 102 | 111 125 | 065 095 | 087 085 | 071 093 | 101 107 | 100† | 106 099 | 110 120 | R.F. 109 | 120 115 | | 15 086 | 100 079 | 094 094 | 111 115 | 098 115 | 110 100 | 107 111 | 14 120 | 124 065 | 081 079 | 095 086 | 085 091 | 101 099 | 111 108 | 119 123 | 111 | | 16 095 | 102 077 | 110 098 | 115 125 | 122 103 | 101 089 | 112 112 | 113 070 | 094 091 | 074 093 | 081 097 | 103 100† | 116 106† | 117 105 | 113 118 | 125 114 | | 17 095 | 090 089 | 105 113 | 125 110 | 117 089 | 111 104 | 099 105 | 120 049 | 069 090 | 071 084 | 091 093 | 098 093 | 105 104† | 106 100 | 106 119 | 114 108 | | 18 105 | 081 075 | 105 106 | 110 118 | 126 102 | 111 096 | 092 113 | 115 093 | 073 071 | 080 075 | 082 098 | 101 102 | 097† | 100 100† | 111 111 | 104 113 | | 19 095 | 089 096 | 097 118 | 126 102 | 111 096 | 081 119 | 114 117 | 100 070 | 074 080 | 080 093 | 094 091 | 103 092 | 102 114† | 117 123 | 103 118 | 107 108 | | 20 103 | 096 072 | 102 109 | 121 101 | 106 107 | 102 097 | 083 091 | 120 112 | 077 081 | 080 081 | 083 095 | 101 113 | 101† | 117 123† | 118 110 | 120 114 | | 21 094 | 103 089 | 092 101 | 106 107 | 102 097 | 102 097 | 102 119 | 087 078 | 083 086 | 071 084 | 075 101 | 098 097 | 097 | 136† | 122 103 | 108 110 | | 22 104 | 092 081 | 099 113 | 102 105 | 100 099 | 121 102 | 119 087 | 078 083 | 086 071 | 084 075 | 101 098 | 097 | 097 | 136† | 122 103 | 108 110 | | 23 098 | 094 078 | 102 117 | 120 096 | 111 112 | 096 122 | 108 105 | 074 075 | 096 067 | 099 091 | 101 121 | 107† | 095 107† | 113 126 | 131 115 | 116 108 | | 24 095 | 094 079 | 092 127 | 113 106 | 084 104 | 082 097 | 115 087 | 076 081 | 068 060 | 081 090 | 103 085 | 084† | 103 107† | 124 094 | 118 112 | 109 112 | Total | 26249 | 26360 | 26092 | 26298 | 26516 | 26642 | 26388 | 26323 | 26469 | 26612 | 26625 | 25675 | 25987 | 25942 | 25789 | 25983 | 26193 | 26238 | 26488 | 26547 | 26668 | 26662 | 26681 | 26789 | 26781 | Daily Mean | 1093.7 | 1087.2 | 1095.7 | 1104.8 | 1110.1 | 1099.5 | 1102.9 | 1108.8 | 1109.4 | 1082.8 | 1074.5 | 1091.4 | 1093.3 | 1103.7 | 1106.1 | 1111.2 | 1110.9 | 1111.7 | 1116.2 | 1115.9 | RF | 1098.3 | 1095.7 | 1110.1 | 1104.8 | 1110.1 | 1099.5 | 1102.9 | 1108.8 | 1109.4 | 1082.8 | 1074.5 | 1091.4 | 1093.3 | 1103.7 | 1106.1 | 1111.2 | 1110.9 | 1111.7 | 1116.2 | 1115.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 08 087 | 109 097 | 057 103 | 093 110 | 115 109 | 104 088 | 117 122 | 058 101 | 088 068 | 075 097 | 089 103 | 096† | 110 102 | 111 108 | 107 110 | 120 | | 09 079 | 092 092 | 084 103 | 116 108 | 101 095 | 100 113 | 111 118 | 057 084 | 085 066 | 080 083 | 079 103 | 109† | R.F. 102 | 111 108 | 107 102 | 125 | | 10 087 | 099 094 | 090 096 | 115 107 | 116 111 | 104 106 | 108 111 | 051 081 | 081 059 | 084 099 | 093 088 | 107† | 090 111 | 084 110 | 103 105 | 118 | | 11 097 | 106 091 | 107 102 | 108 108 | 101 104 | 102 105 | 106 105 | 056 093 | 089 059 | 087 102 | 098 097 | 109† | 110 107 | 110 118 | 118 117 | 129 137 | | 12 092 | 094 084 | 093 109 | 091 R.F. 108 | 108 108 | 108 108 | 107 117 | 114 074 | 085 082 | 082 079 | 083 087 | 118 113 | 106 117 | 123 109 | 128 111 | 119 110 | | 13 099 | 079 075 | 110 118 | 113 107 | 114 107 | 114 104 | 092 108 | 111 118 | 058 100 | 079 081 | 091 090 | 084 113 | 111† | 101 101 | 109 095 | 111 108 | | 14 085 | 105 082 | 099 109 | 097 R.F. 109 | 098 100 | 103 102 | 111 125 | 065 095 | 087 085 | 071 093 | 101 107 | 100† | 106 099 | 110 120 | R.F. 109 | 120 115 | | 15 086 | 100 079 | 094 094 | 111 115 | 098 115 | 110 100 | 107 111 | 14 120 | 124 065 | 081 079 | 095 086 | 085 091 | 101 099 | 111 108 | 119 123 | 111 | | 16 095 | 102 077 | 110 098 | 115 125 | 122 103 | 101 089 | 112 112 | 113 070 | 094 091 | 074 093 | 081 097 | 103 100† | 116 106† | 117 105 | 113 118 | 125 114 | | 17 095 | 090 089 | 105 113 | 125 110 | 117 089 | 111 104 | 099 105 | 120 049 | 069 090 | 071 084 | 091 093 | 098 093 | 105 104† | 106 100 | 106 119 | 114 108 | | 18 105 | 081 075 | 105 106 | 110 118 | 126 102 | 111 096 | 092 113 | 115 093 | 073 071 | 080 075 | 082 098 | 101 102 | 097† | 100 100† | 111 111 | 104 113 | | 19 095 | 089 096 | 097 118 | 126 102 | 111 096 | 081 119 | 114 117 | 100 070 | 074 080 | 080 093 | 094 091 | 103 092 | 102 114† | 117 123 | 103 118 | 107 108 | | 20 103 | 096 072 | 102 109 | 121 101 | 106 107 | 102 097 | 083 091 | 120 112 | 077 081 | 080 081 | 083 095 | 101 113 | 101† | 117 123† | 118 110 | 120 114 | | 21 094 | 103 089 | 092 101 | 106 107 | 102 097 | 102 097 | 102 119 | 087 078 | 083 086 | 071 084 | 075 101 | 098 097 | 097 | 136† | 122 103 | 108 110 | | 22 104 | 092 081 | 099 113 | 102 105 | 100 099 | 121 102 | 119 087 | 078 083 | 086 071 | 084 075 | 101 098 | 097 | 097 | 136† | 122 103 | 108 110 | | 23 098 | 094 078 | 102 117 | 120 096 | 111 112 | 096 122 | 108 105 | 074 075 | 096 067 | 099 091 | 101 121 | 107† | 095 107† | 113 126 | 131 115 | 116 108 | | 24 095 | 094 079 | 092 127 | 113 106 | 084 104 | 082 097 | 115 087 | 076 081 | 068 060 | 081 090 | 103 085 | 084† | 103 107† | 124 094 | 118 112 | 109 112 | Total | 26249 | 26360 | 26092 | 26298 | 26516 | 26642 | 26388 | 26323 | 26469 | 26612 | 26625 | 25675 | 25987 | 25942 | 25789 | 25983 | 26193 | 26238 | 26488 | 26547 | 26668 | 26662 | 26681 | 26789 | 26781 | Daily Mean | 1093.7 | 1087.2 | 1095.7 | 1104.8 | 1110.1 | 1099.5 | 1102.9 | 1108.8 | 1109.4 | 1082.8 | 1074.5 | 1091.4 | 1093.3 | 1103.7 | 1106.1 | 1111.2 | 1110.9 | 1111.7 | 1116.2 | 1115.9 | RF | 1098.3 | 1095.7 | 1110.1 | 1104.8 | 1110.1 | 1099.5 | 1102.9 | 1108.8 | 1109.4 | 1082.8 | 1074.5 | 1091.4 | 1093.3 | 1103.7 | 1106.1 | 1111.2 | 1110.9 | 1111.7 | 1116.2 | 1115.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 09 079 | 092 092 | 084 103 | 116 108 | 101 095 | 100 113 | 111 118 | 057 084 | 085 066 | 080 083 | 079 103 | 109† | R.F. 102 | 111 108 | 107 102 | 125 | | 10 087 | 099 094 | 090 096 | 115 107 | 116 111 | 104 106 | 108 111 | 051 081 | 081 059 | 084 099 | 093 088 | 107† | 090 111 | 084 110 | 103 105 | 118 | | 11 097 | 106 091 | 107 102 | 108 108 | 101 104 | 102 105 | 106 105 | 056 093 | 089 059 | 087 102 | 098 097 | 109† | 110 107 | 110 118 | 118 117 | 129 137 | | 12 092 | 094 084 | 093 109 | 091 R.F. 108 | 108 108 | 108 108 | 107 117 | 114 074 | 085 082 | 082 079 | 083 087 | 118 113 | 106 117 | 123 109 | 128 111 | 119 110 | | 13 099 | 079 075 | 110 118 | 113 107 | 114 107 | 114 104 | 092 108 | 111 118 | 058 100 | 079 081 | 091 090 | 084 113 | 111† | 101 101 | 109 095 | 111 108 | | 14 085 | 105 082 | 099 109 | 097 R.F. 109 | 098 100 | 103 102 | 111 125 | 065 095 | 087 085 | 071 093 | 101 107 | 100† | 106 099 | 110 120 | R.F. 109 | 120 115 | | 15 086 | 100 079 | 094 094 | 111 115 | 098 115 | 110 100 | 107 111 | 14 120 | 124 065 | 081 079 | 095 086 | 085 091 | 101 099 | 111 108 | 119 123 | 111 | | 16 095 | 102 077 | 110 098 | 115 125 | 122 103 | 101 089 | 112 112 | 113 070 | 094 091 | 074 093 | 081 097 | 103 100† | 116 106† | 117 105 | 113 118 | 125 114 | | 17 095 | 090 089 | 105 113 | 125 110 | 117 089 | 111 104 | 099 105 | 120 049 | 069 090 | 071 084 | 091 093 | 098 093 | 105 104† | 106 100 | 106 119 | 114 108 | | 18 105 | 081 075 | 105 106 | 110 118 | 126 102 | 111 096 | 092 113 | 115 093 | 073 071 | 080 075 | 082 098 | 101 102 | 097† | 100 100† | 111 111 | 104 113 | | 19 095 | 089 096 | 097 118 | 126 102 | 111 096 | 081 119 | 114 117 | 100 070 | 074 080 | 080 093 | 094 091 | 103 092 | 102 114† | 117 123 | 103 118 | 107 108 | | 20 103 | 096 072 | 102 109 | 121 101 | 106 107 | 102 097 | 083 091 | 120 112 | 077 081 | 080 081 | 083 095 | 101 113 | 101† | 117 123† | 118 110 | 120 114 | | 21 094 | 103 089 | 092 101 | 106 107 | 102 097 | 102 097 | 102 119 | 087 078 | 083 086 | 071 084 | 075 101 | 098 097 | 097 | 136† | 122 103 | 108 110 | | 22 104 | 092 081 | 099 113 | 102 105 | 100 099 | 121 102 | 119 087 | 078 083 | 086 071 | 084 075 | 101 098 | 097 | 097 | 136† | 122 103 | 108 110 | | 23 098 | 094 078 | 102 117 | 120 096 | 111 112 | 096 122 | 108 105 | 074 075 | 096 067 | 099 091 | 101 121 | 107† | 095 107† | 113 126 | 131 115 | 116 108 | | 24 095 | 094 079 | 092 127 | 113 106 | 084 104 | 082 097 | 115 087 | 076 081 | 068 060 | 081 090 | 103 085 | 084† | 103 107† | 124 094 | 118 112 | 109 112 | Total | 26249 | 26360 | 26092 | 26298 | 26516 | 26642 | 26388 | 26323 | 26469 | 26612 | 26625 | 25675 | 25987 | 25942 | 25789 | 25983 | 26193 | 26238 | 26488 | 26547 | 26668 | 26662 | 26681 | 26789 | 26781 | Daily Mean | 1093.7 | 1087.2 | 1095.7 | 1104.8 | 1110.1 | 1099.5 | 1102.9 | 1108.8 | 1109.4 | 1082.8 | 1074.5 | 1091.4 | 1093.3 | 1103.7 | 1106.1 | 1111.2 | 1110.9 | 1111.7 | 1116.2 | 1115.9 | RF | 1098.3 | 1095.7 | 1110.1 | 1104.8 | 1110.1 | 1099.5 | 1102.9 | 1108.8 | 1109.4 | 1082.8 | 1074.5 | 1091.4 | 1093.3 | 1103.7 | 1106.1 | 1111.2 | 1110.9 | 1111.7 | 1116.2 | 1115.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 10 087 | 099 094 | 090 096 | 115 107 | 116 111 | 104 106 | 108 111 | 051 081 | 081 059 | 084 099 | 093 088 | 107† | 090 111 | 084 110 | 103 105 | 118 | | 11 097 | 106 091 | 107 102 | 108 108 | 101 104 | 102 105 | 106 105 | 056 093 | 089 059 | 087 102 | 098 097 | 109† | 110 107 | 110 118 | 118 117 | 129 137 | | 12 092 | 094 084 | 093 109 | 091 R.F. 108 | 108 108 | 108 108 | 107 117 | 114 074 | 085 082 | 082 079 | 083 087 | 118 113 | 106 117 | 123 109 | 128 111 | 119 110 | | 13 099 | 079 075 | 110 118 | 113 107 | 114 107 | 114 104 | 092 108 | 111 118 | 058 100 | 079 081 | 091 090 | 084 113 | 111† | 101 101 | 109 095 | 111 108 | | 14 085 | 105 082 | 099 109 | 097 R.F. 109 | 098 100 | 103 102 | 111 125 | 065 095 | 087 085 | 071 093 | 101 107 | 100† | 106 099 | 110 120 | R.F. 109 | 120 115 | | 15 086 | 100 079 | 094 094 | 111 115 | 098 115 | 110 100 | 107 111 | 14 120 | 124 065 | 081 079 | 095 086 | 085 091 | 101 099 | 111 108 | 119 123 | 111 | | 16 095 | 102 077 | 110 098 | 115 125 | 122 103 | 101 089 | 112 112 | 113 070 | 094 091 | 074 093 | 081 097 | 103 100† | 116 106† | 117 105 | 113 118 | 125 114 | | 17 095 | 090 089 | 105 113 | 125 110 | 117 089 | 111 104 | 099 105 | 120 049 | 069 090 | 071 084 | 091 093 | 098 093 | 105 104† | 106 100 | 106 119 | 114 108 | | 18 105 | 081 075 | 105 106 | 110 118 | 126 102 | 111 096 | 092 113 | 115 093 | 073 071 | 080 075 | 082 098 | 101 102 | 097† | 100 100† | 111 111 | 104 113 | | 19 095 | 089 096 | 097 118 | 126 102 | 111 096 | 081 119 | 114 117 | 100 070 | 074 080 | 080 093 | 094 091 | 103 092 | 102 114† | 117 123 | 103 118 | 107 108 | | 20 103 | 096 072 | 102 109 | 121 101 | 106 107 | 102 097 | 083 091 | 120 112 | 077 081 | 080 081 | 083 095 | 101 113 | 101† | 117 123† | 118 110 | 120 114 | | 21 094 | 103 089 | 092 101 | 106 107 | 102 097 | 102 097 | 102 119 | 087 078 | 083 086 | 071 084 | 075 101 | 098 097 | 097 | 136† | 122 103 | 108 110 | | 22 104 | 092 081 | 099 113 | 102 105 | 100 099 | 121 102 | 119 087 | 078 083 | 086 071 | 084 075 | 101 098 | 097 | 097 | 136† | 122 103 | 108 110 | | 23 098 | 094 078 | 102 117 | 120 096 | 111 112 | 096 122 | 108 105 | 074 075 | 096 067 | 099 091 | 101 121 | 107† | 095 107† | 113 126 | 131 115 | 116 108 | | 24 095 | 094 079 | 092 127 | 113 106 | 084 104 | 082 097 | 115 087 | 076 081 | 068 060 | 081 090 | 103 085 | 084† | 103 107† | 124 094 | 118 112 | 109 112 | Total | 26249 | 26360 | 26092 | 26298 | 26516 | 26642 | 26388 | 26323 | 26469 | 26612 | 26625 | 25675 | 25987 | 25942 | 25789 | 25983 | 26193 | 26238 | 26488 | 26547 | 26668 | 26662 | 26681 | 26789 | 26781 | Daily Mean | 1093.7 | 1087.2 | 1095.7 | 1104.8 | 1110.1 | 1099.5 | 1102.9 | 1108.8 | 1109.4 | 1082.8 | 1074.5 | 1091.4 | 1093.3 | 1103.7 | 1106.1 | 1111.2 | 1110.9 | 1111.7 | 1116.2 | 1115.9 | RF | 1098.3 | 1095.7 | 1110.1 | 1104.8 | 1110.1 | 1099.5 | 1102.9 | 1108.8 | 1109.4 | 1082.8 | 1074.5 | 1091.4 | 1093.3 | 1103.7 | 1106.1 | 1111.2 | 1110.9 | 1111.7 | 1116.2 | 1115.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 11 097 | 106 091 | 107 102 | 108 108 | 101 104 | 102 105 | 106 105 | 056 093 | 089 059 | 087 102 | 098 097 | 109† | 110 107 | 110 118 | 118 117 | 129 137 | | 12 092 | 094 084 | 093 109 | 091 R.F. 108 | 108 108 | 108 108 | 107 117 | 114 074 | 085 082 | 082 079 | 083 087 | 118 113 | 106 117 | 123 109 | 128 111 | 119 110 | | 13 099 | 079 075 | 110 118 | 113 107 | 114 107 | 114 104 | 092 108 | 111 118 | 058 100 | 079 081 | 091 090 | 084 113 | 111† | 101 101 | 109 095 | 111 108 | | 14 085 | 105 082 | 099 109 | 097 R.F. 109 | 098 100 | 103 102 | 111 125 | 065 095 | 087 085 | 071 093 | 101 107 | 100† | 106 099 | 110 120 | R.F. 109 | 120 115 | | 15 086 | 100 079 | 094 094 | 111 115 | 098 115 | 110 100 | 107 111 | 14 120 | 124 065 | 081 079 | 095 086 | 085 091 | 101 099 | 111 108 | 119 123 | 111 | | 16 095 | 102 077 | 110 098 | 115 125 | 122 103 | 101 089 | 112 112 | 113 070 | 094 091 | 074 093 | 081 097 | 103 100† | 116 106† | 117 105 | 113 118 | 125 114 | | 17 095 | 090 089 | 105 113 | 125 110 | 117 089 | 111 104 | 099 105 | 120 049 | 069 090 | 071 084 | 091 093 | 098 093 | 105 104† | 106 100 | 106 119 | 114 108 | | 18 105 | 081 075 | 105 106 | 110 118 | 126 102 | 111 096 | 092 113 | 115 093 | 073 071 | 080 075 | 082 098 | 101 102 | 097† | 100 100† | 111 111 | 104 113 | | 19 095 | 089 096 | 097 118 | 126 102 | 111 096 | 081 119 | 114 117 | 100 070 | 074 080 | 080 093 | 094 091 | 103 092 | 102 114† | 117 123 | 103 118 | 107 108 | | 20 103 | 096 072 | 102 109 | 121 101 | 106 107 | 102 097 | 083 091 | 120 112 | 077 081 | 080 081 | 083 095 | 101 113 | 101† | 117 123† | 118 110 | 120 114 | | 21 094 | 103 089 | 092 101 | 106 107 | 102 097 | 102 097 | 102 119 | 087 078 | 083 086 | 071 084 | 075 101 | 098 097 | 097 | 136† | 122 103 | 108 110 | | 22 104 | 092 081 | 099 113 | 102 105 | 100 099 | 121 102 | 119 087 | 078 083 | 086 071 | 084 075 | 101 098 | 097 | 097 | 136† | 122 103 | 108 110 | | 23 098 | 094 078 | 102 117 | 120 096 | 111 112 | 096 122 | 108 105 | 074 075 | 096 067 | 099 091 | 101 121 | 107† | 095 107† | 113 126 | 131 115 | 116 108 | | 24 095 | 094 079 | 092 127 | 113 106 | 084 104 | 082 097 | 115 087 | 076 081 | 068 060 | 081 090 | 103 085 | 084† | 103 107† | 124 094 | 118 112 | 109 112 | Total | 26249 | 26360 | 26092 | 26298 | 26516 | 26642 | 26388 | 26323 | 26469 | 26612 | 26625 | 25675 | 25987 | 25942 | 25789 | 25983 | 26193 | 26238 | 26488 | 26547 | 26668 | 26662 | 26681 | 26789 | 26781 | Daily Mean | 1093.7 | 1087.2 | 1095.7 | 1104.8 | 1110.1 | 1099.5 | 1102.9 | 1108.8 | 1109.4 | 1082.8 | 1074.5 | 1091.4 | 1093.3 | 1103.7 | 1106.1 | 1111.2 | 1110.9 | 1111.7 | 1116.2 | 1115.9 | RF | 1098.3 | 1095.7 | 1110.1 | 1104.8 | 1110.1 | 1099.5 | 1102.9 | 1108.8 | 1109.4 | 1082.8 | 1074.5 | 1091.4 | 1093.3 | 1103.7 | 1106.1 | 1111.2 | 1110.9 | 1111.7 | 1116.2 | 1115.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 12 092 | 094 084 | 093 109 | 091 R.F. 108 | 108 108 | 108 108 | 107 117 | 114 074 | 085 082 | 082 079 | 083 087 | 118 113 | 106 117 | 123 109 | 128 111 | 119 110 | | 13 099 | 079 075 | 110 118 | 113 107 | 114 107 | 114 104 | 092 108 | 111 118 | 058 100 | 079 081 | 091 090 | 084 113 | 111† | 101 101 | 109 095 | 111 108 | | 14 085 | 105 082 | 099 109 | 097 R.F. 109 | 098 100 | 103 102 | 111 125 | 065 095 | 087 085 | 071 093 | 101 107 | 100† | 106 099 | 110 120 | R.F. 109 | 120 115 | | 15 086 | 100 079 | 094 094 | 111 115 | 098 115 | 110 100 | 107 111 | 14 120 | 124 065 | 081 079 | 095 086 | 085 091 | 101 099 | 111 108 | 119 123 | 111 | | 16 095 | 102 077 | 110 098 | 115 125 | 122 103 | 101 089 | 112 112 | 113 070 | 094 091 | 074 093 | 081 097 | 103 100† | 116 106† | 117 105 | 113 118 | 125 114 | | 17 095 | 090 089 | 105 113 | 125 110 | 117 089 | 111 104 | 099 105 | 120 049 | 069 090 | 071 084 | 091 093 | 098 093 | 105 104† | 106 100 | 106 119 | 114 108 | | 18 105 | 081 075 | 105 106 | 110 118 | 126 102 | 111 096 | 092 113 | 115 093 | 073 071 | 080 075 | 082 098 | 101 102 | 097† | 100 100† | 111 111 | 104 113 | | 19 095 | 089 096 | 097 118 | 126 102 | 111 096 | 081 119 | 114 117 | 100 070 | 074 080 | 080 093 | 094 091 | 103 092 | 102 114† | 117 123 | 103 118 | 107 108 | | 20 103 | 096 072 | 102 109 | 121 101 | 106 107 | 102 097 | 083 091 | 120 112 | 077 081 | 080 081 | 083 095 | 101 113 | 101† | 117 123† | 118 110 | 120 114 | | 21 094 | 103 089 | 092 101 | 106 107 | 102 097 | 102 097 | 102 119 | 087 078 | 083 086 | 071 084 | 075 101 | 098 097 | 097 | 136† | 122 103 | 108 110 | | 22 104 | 092 081 | 099 113 | 102 105 | 100 099 | 121 102 | 119 087 | 078 083 | 086 071 | 084 075 | 101 098 | 097 | 097 | 136† | 122 103 | 108 110 | | 23 098 | 094 078 | 102 117 | 120 096 | 111 112 | 096 122 | 108 105 | 074 075 | 096 067 | 099 091 | 101 121 | 107† | 095 107† | 113 126 | 131 115 | 116 108 | | 24 095 | 094 079 | 092 127 | 113 106 | 084 104 | 082 097 | 115 087 | 076 081 | 068 060 | 081 090 | 103 085 | 084† | 103 107† | 124 094 | 118 112 | 109 112 | Total | 26249 | 26360 | 26092 | 26298 | 26516 | 26642 | 26388 | 26323 | 26469 | 26612 | 26625 | 25675 | 25987 | 25942 | 25789 | 25983 | 26193 | 26238 | 26488 | 26547 | 26668 | 26662 | 26681 | 26789 | 26781 | Daily Mean | 1093.7 | 1087.2 | 1095.7 | 1104.8 | 1110.1 | 1099.5 | 1102.9 | 1108.8 | 1109.4 | 1082.8 | 1074.5 | 1091.4 | 1093.3 | 1103.7 | 1106.1 | 1111.2 | 1110.9 | 1111.7 | 1116.2 | 1115.9 | RF | 1098.3 | 1095.7 | 1110.1 | 1104.8 | 1110.1 | 1099.5 | 1102.9 | 1108.8 | 1109.4 | 1082.8 | 1074.5 | 1091.4 | 1093.3 | 1103.7 | 1106.1 | 1111.2 | 1110.9 | 1111.7 | 1116.2 | 1115.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 13 099 | 079 075 | 110 118 | 113 107 | 114 107 | 114 104 | 092 108 | 111 118 | 058 100 | 079 081 | 091 090 | 084 113 | 111† | 101 101 | 109 095 | 111 108 | | 14 085 | 105 082 | 099 109 | 097 R.F. 109 | 098 100 | 103 102 | 111 125 | 065 095 | 087 085 | 071 093 | 101 107 | 100† | 106 099 | 110 120 | R.F. 109 | 120 115 | | 15 086 | 100 079 | 094 094 | 111 115 | 098 115 | 110 100 | 107 111 | 14 120 | 124 065 | 081 079 | 095 086 | 085 091 | 101 099 | 111 108 | 119 123 | 111 | | 16 095 | 102 077 | 110 098 | 115 125 | 122 103 | 101 089 | 112 112 | 113 070 | 094 091 | 074 093 | 081 097 | 103 100† | 116 106† | 117 105 | 113 118 | 125 114 | | 17 095 | 090 089 | 105 113 | 125 110 | 117 089 | 111 104 | 099 105 | 120 049 | 069 090 | 071 084 | 091 093 | 098 093 | 105 104† | 106 100 | 106 119 | 114 108 | | 18 105 | 081 075 | 105 106 | 110 118 | 126 102 | 111 096 | 092 113 | 115 093 | 073 071 | 080 075 | 082 098 | 101 102 | 097† | 100 100† | 111 111 | 104 113 | | 19 095 | 089 096 | 097 118 | 126 102 | 111 096 | 081 119 | 114 117 | 100 070 | 074 080 | 080 093 | 094 091 | 103 092 | 102 114† | 117 123 | 103 118 | 107 108 | | 20 103 | 096 072 | 102 109 | 121 101 | 106 107 | 102 097 | 083 091 | 120 112 | 077 081 | 080 081 | 083 095 | 101 113 | 101† | 117 123† | 118 110 | 120 114 | | 21 094 | 103 089 | 092 101 | 106 107 | 102 097 | 102 097 | 102 119 | 087 078 | 083 086 | 071 084 | 075 101 | 098 097 | 097 | 136† | 122 103 | 108 110 | | 22 104 | 092 081 | 099 113 | 102 105 | 100 099 | 121 102 | 119 087 | 078 083 | 086 071 | 084 075 | 101 098 | 097 | 097 | 136† | 122 103 | 108 110 | | 23 098 | 094 078 | 102 117 | 120 096 | 111 112 | 096 122 | 108 105 | 074 075 | 096 067 | 099 091 | 101 121 | 107† | 095 107† | 113 126 | 131 115 | 116 108 | | 24 095 | 094 079 | 092 127 | 113 106 | 084 104 | 082 097 | 115 087 | 076 081 | 068 060 | 081 090 | 103 085 | 084† | 103 107† | 124 094 | 118 112 | 109 112 | Total | 26249 | 26360 | 26092 | 26298 | 26516 | 26642 | 26388 | 26323 | 26469 | 26612 | 26625 | 25675 | 25987 | 25942 | 25789 | 25983 | 26193 | 26238 | 26488 | 26547 | 26668 | 26662 | 26681 | 26789 | 26781 | Daily Mean | 1093.7 | 1087.2 | 1095.7 | 1104.8 | 1110.1 | 1099.5 | 1102.9 | 1108.8 | 1109.4 | 1082.8 | 1074.5 | 1091.4 | 1093.3 | 1103.7 | 1106.1 | 1111.2 | 1110.9 | 1111.7 | 1116.2 | 1115.9 | RF | 1098.3 | 1095.7 | 1110.1 | 1104.8 | 1110.1 | 1099.5 | 1102.9 | 1108.8 | 1109.4 | 1082.8 | 1074.5 | 1091.4 | 1093.3 | 1103.7 | 1106.1 | 1111.2 | 1110.9 | 1111.7 | 1116.2 | 1115.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 14 085 | 105 082 | 099 109 | 097 R.F. 109 | 098 100 | 103 102 | 111 125 | 065 095 | 087 085 | 071 093 | 101 107 | 100† | 106 099 | 110 120 | R.F. 109 | 120 115 | | 15 086 | 100 079 | 094 094 | 111 115 | 098 115 | 110 100 | 107 111 | 14 120 | 124 065 | 081 079 | 095 086 | 085 091 | 101 099 | 111 108 | 119 123 | 111 | | 16 095 | 102 077 | 110 098 | 115 125 | 122 103 | 101 089 | 112 112 | 113 070 | 094 091 | 074 093 | 081 097 | 103 100† | 116 106† | 117 105 | 113 118 | 125 114 | | 17 095 | 090 089 | 105 113 | 125 110 | 117 089 | 111 104 | 099 105 | 120 049 | 069 090 | 071 084 | 091 093 | 098 093 | 105 104† | 106 100 | 106 119 | 114 108 | | 18 105 | 081 075 | 105 106 | 110 118 | 126 102 | 111 096 | 092 113 | 115 093 | 073 071 | 080 075 | 082 098 | 101 102 | 097† | 100 100† | 111 111 | 104 113 | | 19 095 | 089 096 | 097 118 | 126 102 | 111 096 | 081 119 | 114 117 | 100 070 | 074 080 | 080 093 | 094 091 | 103 092 | 102 114† | 117 123 | 103 118 | 107 108 | | 20 103 | 096 072 | 102 109 | 121 101 | 106 107 | 102 097 | 083 091 | 120 112 | 077 081 | 080 081 | 083 095 | 101 113 | 101† | 117 123† | 118 110 | 120 114 | | 21 094 | 103 089 | 092 101 | 106 107 | 102 097 | 102 097 | 102 119 | 087 078 | 083 086 | 071 084 | 075 101 | 098 097 | 097 | 136† | 122 103 | 108 110 | | 22 104 | 092 081 | 099 113 | 102 105 | 100 099 | 121 102 | 119 087 | 078 083 | 086 071 | 084 075 | 101 098 | 097 | 097 | 136† | 122 103 | 108 110 | | 23 098 | 094 078 | 102 117 | 120 096 | 111 112 | 096 122 | 108 105 | 074 075 | 096 067 | 099 091 | 101 121 | 107† | 095 107† | 113 126 | 131 115 | 116 108 | | 24 095 | 094 079 | 092 127 | 113 106 | 084 104 | 082 097 | 115 087 | 076 081 | 068 060 | 081 090 | 103 085 | 084† | 103 107† | 124 094 | 118 112 | 109 112 | Total | 26249 | 26360 | 26092 | 26298 | 26516 | 26642 | 26388 | 26323 | 26469 | 26612 | 26625 | 25675 | 25987 | 25942 | 25789 | 25983 | 26193 | 26238 | 26488 | 26547 | 26668 | 26662 | 26681 | 26789 | 26781 | Daily Mean | 1093.7 | 1087.2 | 1095.7 | 1104.8 | 1110.1 | 1099.5 | 1102.9 | 1108.8 | 1109.4 | 1082.8 | 1074.5 | 1091.4 | 1093.3 | 1103.7 | 1106.1 | 1111.2 | 1110.9 | 1111.7 | 1116.2 | 1115.9 | RF | 1098.3 | 1095.7 | 1110.1 | 1104.8 | 1110.1 | 1099.5 | 1102.9 | 1108.8 | 1109.4 | 1082.8 | 1074.5 | 1091.4 | 1093.3 | 1103.7 | 1106.1 | 1111.2 | 1110.9 | 1111.7 | 1116.2 | 1115.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 15 086 | 100 079 | 094 094 | 111 115 | 098 115 | 110 100 | 107 111 | 14 120 | 124 065 | 081 079 | 095 086 | 085 091 | 101 099 | 111 108 | 119 123 | 111 | | 16 095 | 102 077 | 110 098 | 115 125 | 122 103 | 101 089 | 112 112 | 113 070 | 094 091 | 074 093 | 081 097 | 103 100† | 116 106† | 117 105 | 113 118 | 125 114 | | 17 095 | 090 089 | 105 113 | 125 110 | 117 089 | 111 104 | 099 105 | 120 049 | 069 090 | 071 084 | 091 093 | 098 093 | 105 104† | 106 100 | 106 119 | 114 108 | | 18 105 | 081 075 | 105 106 | 110 118 | 126 102 | 111 096 | 092 113 | 115 093 | 073 071 | 080 075 | 082 098 | 101 102 | 097† | 100 100† | 111 111 | 104 113 | | 19 095 | 089 096 | 097 118 | 126 102 | 111 096 | 081 119 | 114 117 | 100 070 | 074 080 | 080 093 | 094 091 | 103 092 | 102 114† | 117 123 | 103 118 | 107 108 | | 20 103 | 096 072 | 102 109 | 121 101 | 106 107 | 102 097 | 083 091 | 120 112 | 077 081 | 080 081 | 083 095 | 101 113 | 101† | 117 123† | 118 110 | 120 114 | | 21 094 | 103 089 | 092 101 | 106 107 | 102 097 | 102 097 | 102 119 | 087 078 | 083 086 | 071 084 | 075 101 | 098 097 | 097 | 136† | 122 103 | 108 110 | | 22 104 | 092 081 | 099 113 | 102 105 | 100 099 | 121 102 | 119 087 | 078 083 | 086 071 | 084 075 | 101 098 | 097 | 097 | 136† | 122 103 | 108 110 | | 23 098 | 094 078 | 102 117 | 120 096 | 111 112 | 096 122 | 108 105 | 074 075 | 096 067 | 099 091 | 101 121 | 107† | 095 107† | 113 126 | 131 115 | 116 108 | | 24 095 | 094 079 | 092 127 | 113 106 | 084 104 | 082 097 | 115 087 | 076 081 | 068 060 | 081 090 | 103 085 | 084† | 103 107† | 124 094 | 118 112 | 109 112 | Total | 26249 | 26360 | 26092 | 26298 | 26516 | 26642 | 26388 | 26323 | 26469 | 26612 | 26625 | 25675 | 25987 | 25942 | 25789 | 25983 | 26193 | 26238 | 26488 | 26547 | 26668 | 26662 | 26681 | 26789 | 26781 | Daily Mean | 1093.7 | 1087.2 | 1095.7 | 1104.8 | 1110.1 | 1099.5 | 1102.9 | 1108.8 | 1109.4 | 1082.8 | 1074.5 | 1091.4 | 1093.3 | 1103.7 | 1106.1 | 1111.2 | 1110.9 | 1111.7 | 1116.2 | 1115.9 | RF | 1098.3 | 1095.7 | 1110.1 | 1104.8 | 1110.1 | 1099.5 | 1102.9 | 1108.8 | 1109.4 | 1082.8 | 1074.5 | 1091.4 | 1093.3 | 1103.7 | 1106.1 | 1111.2 | 1110.9 | 1111.7 | 1116.2 | 1115.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 16 095 | 102 077 | 110 098 | 115 125 | 122 103 | 101 089 | 112 112 | 113 070 | 094 091 | 074 093 | 081 097 | 103 100† | 116 106† | 117 105 | 113 118 | 125 114 | | 17 095 | 090 089 | 105 113 | 125 110 | 117 089 | 111 104 | 099 105 | 120 049 | 069 090 | 071 084 | 091 093 | 098 093 | 105 104† | 106 100 | 106 119 | 114 108 | | 18 105 | 081 075 | 105 106 | 110 118 | 126 102 | 111 096 | 092 113 | 115 093 | 073 071 | 080 075 | 082 098 | 101 102 | 097† | 100 100† | 111 111 | 104 113 | | 19 095 | 089 096 | 097 118 | 126 102 | 111 096 | 081 119 | 114 117 | 100 070 | 074 080 | 080 093 | 094 091 | 103 092 | 102 114† | 117 123 | 103 118 | 107 108 | | 20 103 | 096 072 | 102 109 | 121 101 | 106 107 | 102 097 | 083 091 | 120 112 | 077 081 | 080 081 | 083 095 | 101 113 | 101† | 117 123† | 118 110 | 120 114 | | 21 094 | 103 089 | 092 101 | 106 107 | 102 097 | 102 097 | 102 119 | 087 078 | 083 086 | 071 084 | 075 101 | 098 097 | 097 | 136† | 122 103 | 108 110 | | 22 104 | 092 081 | 099 113 | 102 105 | 100 099 | 121 102 | 119 087 | 078 083 | 086 071 | 084 075 | 101 098 | 097 | 097 | 136† | 122 103 | 108 110 | | 23 098 | 094 078 | 102 117 | 120 096 | 111 112 | 096 122 | 108 105 | 074 075 | 096 067 | 099 091 | 101 121 | 107† | 095 107† | 113 126 | 131 115 | 116 108 | | 24 095 | 094 079 | 092 127 | 113 106 | 084 104 | 082 097 | 115 087 | 076 081 | 068 060 | 081 090 | 103 085 | 084† | 103 107† | 124 094 | 118 112 | 109 112 | Total | 26249 | 26360 | 26092 | 26298 | 26516 | 26642 | 26388 | 26323 | 26469 | 26612 | 26625 | 25675 | 25987 | 25942 | 25789 | 25983 | 26193 | 26238 | 26488 | 26547 | 26668 | 26662 | 26681 | 26789 | 26781 | Daily Mean | 1093.7 | 1087.2 | 1095.7 | 1104.8 | 1110.1 | 1099.5 | 1102.9 | 1108.8 | 1109.4 | 1082.8 | 1074.5 | 1091.4 | 1093.3 | 1103.7 | 1106.1 | 1111.2 | 1110.9 | 1111.7 | 1116.2 | 1115.9 | RF | 1098.3 | 1095.7 | 1110.1 | 1104.8 | 1110.1 | 1099.5 | 1102.9 | 1108.8 | 1109.4 | 1082.8 | 1074.5 | 1091.4 | 1093.3 | 1103.7 | 1106.1 | 1111.2 | 1110.9 | 1111.7 | 1116.2 | 1115.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 17 095 | 090 089 | 105 113 | 125 110 | 117 089 | 111 104 | 099 105 | 120 049 | 069 090 | 071 084 | 091 093 | 098 093 | 105 104† | 106 100 | 106 119 | 114 108 | | 18 105 | 081 075 | 105 106 | 110 118 | 126 102 | 111 096 | 092 113 | 115 093 | 073 071 | 080 075 | 082 098 | 101 102 | 097† | 100 100† | 111 111 | 104 113 | | 19 095 | 089 096 | 097 118 | 126 102 | 111 096 | 081 119 | 114 117 | 100 070 | 074 080 | 080 093 | 094 091 | 103 092 | 102 114† | 117 123 | 103 118 | 107 108 | | 20 103 | 096 072 | 102 109 | 121 101 | 106 107 | 102 097 | 083 091 | 120 112 | 077 081 | 080 081 | 083 095 | 101 113 | 101† | 117 123† | 118 110 | 120 114 | | 21 094 | 103 089 | 092 101 | 106 107 | 102 097 | 102 097 | 102 119 | 087 078 | 083 086 | 071 084 | 075 101 | 098 097 | 097 | 136† | 122 103 | 108 110 | | 22 104 | 092 081 | 099 113 | 102 105 | 100 099 | 121 102 | 119 087 | 078 083 | 086 071 | 084 075 | 101 098 | 097 | 097 | 136† | 122 103 | 108 110 | | 23 098 | 094 078 | 102 117 | 120 096 | 111 112 | 096 122 | 108 105 | 074 075 | 096 067 | 099 091 | 101 121 | 107† | 095 107† | 113 126 | 131 115 | 116 108 | | 24 095 | 094 079 | 092 127 | 113 106 | 084 104 | 082 097 | 115 087 | 076 081 | 068 060 | 081 090 | 103 085 | 084† | 103 107† | 124 094 | 118 112 | 109 112 | Total | 26249 | 26360 | 26092 | 26298 | 26516 | 26642 | 26388 | 26323 | 26469 | 26612 | 26625 | 25675 | 25987 | 25942 | 25789 | 25983 | 26193 | 26238 | 26488 | 26547 | 26668 | 26662 | 26681 | 26789 | 26781 | Daily Mean | 1093.7 | 1087.2 | 1095.7 | 1104.8 | 1110.1 | 1099.5 | 1102.9 | 1108.8 | 1109.4 | 1082.8 | 1074.5 | 1091.4 | 1093.3 | 1103.7 | 1106.1 | 1111.2 | 1110.9 | 1111.7 | 1116.2 | 1115.9 | RF | 1098.3 | 1095.7 | 1110.1 | 1104.8 | 1110.1 | 1099.5 | 1102.9 | 1108.8 | 1109.4 | 1082.8 | 1074.5 | 1091.4 | 1093.3 | 1103.7 | 1106.1 | 1111.2 | 1110.9 | 1111.7 | 1116.2 | 1115.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 18 105 | 081 075 | 105 106 | 110 118 | 126 102 | 111 096 | 092 113 | 115 093 | 073 071 | 080 075 | 082 098 | 101 102 | 097† | 100 100† | 111 111 | 104 113 | | 19 095 | 089 096 | 097 118 | 126 102 | 111 096 | 081 119 | 114 117 | 100 070 | 074 080 | 080 093 | 094 091 | 103 092 | 102 114† | 117 123 | 103 118 | 107 108 | | 20 103 | 096 072 | 102 109 | 121 101 | 106 107 | 102 097 | 083 091 | 120 112 | 077 081 | 080 081 | 083 095 | 101 113 | 101† | 117 123† | 118 110 | 120 114 | | 21 094 | 103 089 | 092 101 | 106 107 | 102 097 | 102 097 | 102 119 | 087 078 | 083 086 | 071 084 | 075 101 | 098 097 | 097 | 136† | 122 103 | 108 110 | | 22 104 | 092 081 | 099 113 | 102 105 | 100 099 | 121 102 | 119 087 | 078 083 | 086 071 | 084 075 | 101 098 | 097 | 097 | 136† | 122 103 | 108 110 | | 23 098 | 094 078 | 102 117 | 120 096 | 111 112 | 096 122 | 108 105 | 074 075 | 096 067 | 099 091 | 101 121 | 107† | 095 107† | 113 126 | 131 115 | 116 108 | | 24 095 | 094 079 | 092 127 | 113 106 | 084 104 | 082 097 | 115 087 | 076 081 | 068 060 | 081 090 | 103 085 | 084† | 103 107† | 124 094 | 118 112 | 109 112 | Total | 26249 | 26360 | 26092 | 26298 | 26516 | 26642 | 26388 | 26323 | 26469 | 26612 | 26625 | 25675 | 25987 | 25942 | 25789 | 25983 | 26193 | 26238 | 26488 | 26547 | 26668 | 26662 | 26681 | 26789 | 26781 | Daily Mean | 1093.7 | 1087.2 | 1095.7 | 1104.8 | 1110.1 | 1099.5 | 1102.9 | 1108.8 | 1109.4 | 1082.8 | 1074.5 | 1091.4 | 1093.3 | 1103.7 | 1106.1 | 1111.2 | 1110.9 | 1111.7 | 1116.2 | 1115.9 | RF | 1098.3 | 1095.7 | 1110.1 | 1104.8 | 1110.1 | 1099.5 | 1102.9 | 1108.8 | 1109.4 | 1082.8 | 1074.5 | 1091.4 | 1093.3 | 1103.7 | 1106.1 | 1111.2 | 1110.9 | 1111.7 | 1116.2 | 1115.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 19 095 | 089 096 | 097 118 | 126 102 | 111 096 | 081 119 | 114 117 | 100 070 | 074 080 | 080 093 | 094 091 | 103 092 | 102 114† | 117 123 | 103 118 | 107 108 | | 20 103 | 096 072 | 102 109 | 121 101 | 106 107 | 102 097 | 083 091 | 120 112 | 077 081 | 080 081 | 083 095 | 101 113 | 101† | 117 123† | 118 110 | 120 114 | | 21 094 | 103 089 | 092 101 | 106 107 | 102 097 | 102 097 | 102 119 | 087 078 | 083 086 | 071 084 | 075 101 | 098 097 | 097 | 136† | 122 103 | 108 110 | | 22 104 | 092 081 | 099 113 | 102 105 | 100 099 | 121 102 | 119 087 | 078 083 | 086 071 | 084 075 | 101 098 | 097 | 097 | 136† | 122 103 | 108 110 | | 23 098 | 094 078 | 102 117 | 120 096 | 111 112 | 096 122 | 108 105 | 074 075 | 096 067 | 099 091 | 101 121 | 107† | 095 107† | 113 126 | 131 115 | 116 108 | | 24 095 | 094 079 | 092 127 | 113 106 | 084 104 | 082 097 | 115 087 | 076 081 | 068 060 | 081 090 | 103 085 | 084† | 103 107† | 124 094 | 118 112 | 109 112 | Total | 26249 | 26360 | 26092 | 26298 | 26516 | 26642 | 26388 | 26323 | 26469 | 26612 | 26625 | 25675 | 25987 | 25942 | 25789 | 25983 | 26193 | 26238 | 26488 | 26547 | 26668 | 26662 | 26681 | 26789 | 26781 | Daily Mean | 1093.7 | 1087.2 | 1095.7 | 1104.8 | 1110.1 | 1099.5 | 1102.9 | 1108.8 | 1109.4 | 1082.8 | 1074.5 | 1091.4 | 1093.3 | 1103.7 | 1106.1 | 1111.2 | 1110.9 | 1111.7 | 1116.2 | 1115.9 | RF | 1098.3 | 1095.7 | 1110.1 | 1104.8 | 1110.1 | 1099.5 | 1102.9 | 1108.8 | 1109.4 | 1082.8 | 1074.5 | 1091.4 | 1093.3 | 1103.7 | 1106.1 | 1111.2 | 1110.9 | 1111.7 | 1116.2 | 1115.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 20 103 | 096 072 | 102 109 | 121 101 | 106 107 | 102 097 | 083 091 | 120 112 | 077 081 | 080 081 | 083 095 | 101 113 | 101† | 117 123† | 118 110 | 120 114 | | 21 094 | 103 089 | 092 101 | 106 107 | 102 097 | 102 097 | 102 119 | 087 078 | 083 086 | 071 084 | 075 101 | 098 097 | 097 | 136† | 122 103 | 108 110 | | 22 104 | 092 081 | 099 113 | 102 105 | 100 099 | 121 102 | 119 087 | 078 083 | 086 071 | 084 075 | 101 098 | 097 | 097 | 136† | 122 103 | 108 110 | | 23 098 | 094 078 | 102 117 | 120 096 | 111 112 | 096 122 | 108 105 | 074 075 | 096 067 | 099 091 | 101 121 | 107† | 095 107† | 113 126 | 131 115 | 116 108 | | 24 095 | 094 079 | 092 127 | 113 106 | 084 104 | 082 097 | 115 087 | 076 081 | 068 060 | 081 090 | 103 085 | 084† | 103 107† | 124 094 | 118 112 | 109 112 | Total | 26249 | 26360 | 26092 | 26298 | 26516 | 26642 | 26388 | 26323 | 26469 | 26612 | 26625 | 25675 | 25987 | 25942 | 25789 | 25983 | 26193 | 26238 | 26488 | 26547 | 26668 | 26662 | 26681 | 26789 | 26781 | Daily Mean | 1093.7 | 1087.2 | 1095.7 | 1104.8 | 1110.1 | 1099.5 | 1102.9 | 1108.8 | 1109.4 | 1082.8 | 1074.5 | 1091.4 | 1093.3 | 1103.7 | 1106.1 | 1111.2 | 1110.9 | 1111.7 | 1116.2 | 1115.9 | RF | 1098.3 | 1095.7 | 1110.1 | 1104.8 | 1110.1 | 1099.5 | 1102.9 | 1108.8 | 1109.4 | 1082.8 | 1074.5 | 1091.4 | 1093.3 | 1103.7 | 1106.1 | 1111.2 | 1110.9 | 1111.7 | 1116.2 | 1115.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 21 094 | 103 089 | 092 101 | 106 107 | 102 097 | 102 097 | 102 119 | 087 078 | 083 086 | 071 084 | 075 101 | 098 097 | 097 | 136† | 122 103 | 108 110 | | 22 104 | 092 081 | 099 113 | 102 105 | 100 099 | 121 102 | 119 087 | 078 083 | 086 071 | 084 075 | 101 098 | 097 | 097 | 136† | 122 103 | 108 110 | | 23 098 | 094 078 | 102 117 | 120 096 | 111 112 | 096 122 | 108 105 | 074 075 | 096 067 | 099 091 | 101 121 | 107† | 095 107† | 113 126 | 131 115 | 116 108 | | 24 095 | 094 079 | 092 127 | 113 106 | 084 104 | 082 097 | 115 087 | 076 081 | 068 060 | 081 090 | 103 085 | 084† | 103 107† | 124 094 | 118 112 | 109 112 | Total | 26249 | 26360 | 26092 | 26298 | 26516 | 26642 | 26388 | 26323 | 26469 | 26612 | 26625 | 25675 | 25987 | 25942 | 25789 | 25983 | 26193 | 26238 | 26488 | 26547 | 26668 | 26662 | 26681 | 26789 | 26781 | Daily Mean | 1093.7 | 1087.2 | 1095.7 | 1104.8 | 1110.1 | 1099.5 | 1102.9 | 1108.8 | 1109.4 | 1082.8 | 1074.5 | 1091.4 | 1093.3 | 1103.7 | 1106.1 | 1111.2 | 1110.9 | 1111.7 | 1116.2 | 1115.9 | RF | 1098.3 | 1095.7 | 1110.1 | 1104.8 | 1110.1 | 1099.5 | 1102.9 | 1108.8 | 1109.4 | 1082.8 | 1074.5 | 1091.4 | 1093.3 | 1103.7 | 1106.1 | 1111.2 | 1110.9 | 1111.7 | 1116.2 | 1115.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 22 104 | 092 081 | 099 113 | 102 105 | 100 099 | 121 102 | 119 087 | 078 083 | 086 071 | 084 075 | 101 098 | 097 | 097 | 136† | 122 103 | 108 110 | | 23 098 | 094 078 | 102 117 | 120 096 | 111 112 | 096 122 | 108 105 | 074 075 | 096 067 | 099 091 | 101 121 | 107† | 095 107† | 113 126 | 131 115 | 116 108 | | 24 095 | 094 079 | 092 127 | 113 106 | 084 104 | 082 097 | 115 087 | 076 081 | 068 060 | 081 090 | 103 085 | 084† | 103 107† | 124 094 | 118 112 | 109 112 | Total | 26249 | 26360 | 26092 | 26298 | 26516 | 26642 | 26388 | 26323 | 26469 | 26612 | 26625 | 25675 | 25987 | 25942 | 25789 | 25983 | 26193 | 26238 | 26488 | 26547 | 26668 | 26662 | 26681 | 26789 | 26781 | Daily Mean | 1093.7 | 1087.2 | 1095.7 | 1104.8 | 1110.1 | 1099.5 | 1102.9 | 1108.8 | 1109.4 | 1082.8 | 1074.5 | 1091.4 | 1093.3 | 1103.7 | 1106.1 | 1111.2 | 1110.9 | 1111.7 | 1116.2 | 1115.9 | RF | 1098.3 | 1095.7 | 1110.1 | 1104.8 | 1110.1 | 1099.5 | 1102.9 | 1108.8 | 1109.4 | 1082.8 | 1074.5 | 1091.4 | 1093.3 | 1103.7 | 1106.1 | 1111.2 | 1110.9 | 1111.7 | 1116.2 | 1115.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 23 098 | 094 078 | 102 117 | 120 096 | 111 112 | 096 122 | 108 105 | 074 075 | 096 067 | 099 091 | 101 121 | 107† | 095 107† | 113 126 | 131 115 | 116 108 | | 24 095 | 094 079 | 092 127 | 113 106 | 084 104 | 082 097 | 115 087 | 076 081 | 068 060 | 081 090 | 103 085 | 084† | 103 107† | 124 094 | 118 112 | 109 112 | Total | 26249 | 26360 | 26092 | 26298 | 26516 | 26642 | 26388 | 26323 | 26469 | 26612 | 26625 | 25675 | 25987 | 25942 | 25789 | 25983 | 26193 | 26238 | 26488 | 26547 | 26668 | 26662 | 26681 | 26789 | 26781 | Daily Mean | 1093.7 | 1087.2 | 1095.7 | 1104.8 | 1110.1 | 1099.5 | 1102.9 | 1108.8 | 1109.4 | 1082.8 | 1074.5 | 1091.4 | 1093.3 | 1103.7 | 1106.1 | 1111.2 | 1110.9 | 1111.7 | 1116.2 | 1115.9 | RF | 1098.3 | 1095.7 | 1110.1 | 1104.8 | 1110.1 | 1099.5 | 1102.9 | 1108.8 | 1109.4 | 1082.8 | 1074.5 | 1091.4 | 1093.3 | 1103.7 | 1106.1 | 1111.2 | 1110.9 | 1111.7 | 1116.2 | 1115.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 24 095 | 094 079 | 092 127 | 113 106 | 084 104 | 082 097 | 115 087 | 076 081 | 068 060 | 081 090 | 103 085 | 084† | 103 107† | 124 094 | 118 112 | 109 112 | Total | 26249 | 26360 | 26092 | 26298 | 26516 | 26642 | 26388 | 26323 | 26469 | 26612 | 26625 | 25675 | 25987 | 25942 | 25789 | 25983 | 26193 | 26238 | 26488 | 26547 | 26668 | 26662 | 26681 | 26789 | 26781 | Daily Mean | 1093.7 | 1087.2 | 1095.7 | 1104.8 | 1110.1 | 1099.5 | 1102.9 | 1108.8 | 1109.4 | 1082.8 | 1074.5 | 1091.4 | 1093.3 | 1103.7 | 1106.1 | 1111.2 | 1110.9 | 1111.7 | 1116.2 | 1115.9 | RF | 1098.3 | 1095.7 | 1110.1 | 1104.8 | 1110.1 | 1099.5 | 1102.9 | 1108.8 | 1109.4 | 1082.8 | 1074.5 | 1091.4 | 1093.3 | 1103.7 | 1106.1 | 1111.2 | 1110.9 | 1111.7 | 1116.2 | 1115.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total | 26249 | 26360 | 26092 | 26298 | 26516 | 26642 | 26388 | 26323 | 26469 | 26612 | 26625 | 25675 | 25987 | 25942 | 25789 | 25983 | 26193 | 26238 | 26488 | 26547 | 26668 | 26662 | 26681 | 26789 | 26781 | Daily Mean | 1093.7 | 1087.2 | 1095.7 | 1104.8 | 1110.1 | 1099.5 | 1102.9 | 1108.8 | 1109.4 | 1082.8 | 1074.5 | 1091.4 | 1093.3 | 1103.7 | 1106.1 | 1111.2 | 1110.9 | 1111.7 | 1116.2 | 1115.9 | RF | 1098.3 | 1095.7 | 1110.1 | 1104.8 | 1110.1 | 1099.5 | 1102.9 | 1108.8 | 1109.4 | 1082.8 | 1074.5 | 1091.4 | 1093.3 | 1103.7 | 1106.1 | 1111.2 | 1110.9 | 1111.7 | 1116.2 | 1115.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Daily Mean | 1093.7 | 1087.2 | 1095.7 | 1104.8 | 1110.1 | 1099.5 | 1102.9 | 1108.8 | 1109.4 | 1082.8 | 1074.5 | 1091.4 | 1093.3 | 1103.7 | 1106.1 | 1111.2 | 1110.9 | 1111.7 | 1116.2 | 1115.9 | RF | 1098.3 | 1095.7 | 1110.1 | 1104.8 | 1110.1 | 1099.5 | 1102.9 | 1108.8 | 1109.4 | 1082.8 | 1074.5 | 1091.4 | 1093.3 | 1103.7 | 1106.1 | 1111.2 | 1110.9 | 1111.7 | 1116.2 | 1115.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RF | 1098.3 | 1095.7 | 1110.1 | 1104.8 | 1110.1 | 1099.5 | 1102.9 | 1108.8 | 1109.4 | 1082.8 | 1074.5 | 1091.4 | 1093.3 | 1103.7 | 1106.1 | 1111.2 | 1110.9 | 1111.7 | 1116.2 | 1115.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

RF Recording failure. † Estimated from two sections. N.B. ---1000 is subtracted from all tabulated figures greater than or equal to 1000.

COSMIC RAY RECORDS

Station *Mawson*
 Year *1961*
 Month *May*

Tripix Neutron Monitor
 Scale Factor *32*
 Barometer Coefficient *- 9.44%/cm Hg*

TABULATED Hourly Count Totals
 Corrected to Standard
 Pressure *990 Millibar*

TABLE 65

| Date | 01 | 02 | 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 |
|------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----|-----|
| Hour GMT | 01 | 02 | 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 |
| 01 | 100 | 099 | 109 | 109 | 111 | 116 | 130 | 113 | 115 | 101 | 133 | 118 | 127 | 089 | 128 | 123 | 106 | 111 | 123 | 119 | 115 | 109 | 086 | 077 | 111 | 112 | 106 | 110 | 103 | 108 | 116 |
| 02 | 106 | 107 | 113 | 102 | 124 | 123 | 111 | 123 | 107 | 127 | 123 | 102 | 124 | 111 | 128 | 121 | 107 | 109 | 116 | 140 | 105 | 091 | 086 | 105 | 105 | 108 | 097 | 103 | 113 | 112 | 115 |
| 03 | 085 | 116 | 113 | 114 | 116 | 113 | 110 | 112 | 112 | 112 | 118 | 126 | 120 | 119 | 113 | 107 | 110 | 113 | 119 | 123 | 117 | 098 | 084 | 110 | 107 | 114 | 085 | 100 | 110 | 111 | 112 |
| 04 | 117 | 116 | 120 | 120 | 107 | 097 | 118 | 114 | 124 | 117 | 088 | 118 | 120 | 110 | 127 | 107 | 103 | 122 | 129 | 110 | 105 | 106 | 093 | 103 | 113 | 104 | 097 | 103 | 115 | 109 | 127 |
| 05 | 103 | 113 | 105 | 111 | 113 | 123 | 115 | 109 | 132 | 110 | 121 | 123 | 107 | 109 | 122 | 092 | 106 | 114 | 121 | 101 | 103 | 111 | 078 | 082 | 126 | 111 | 093 | 097 | 104 | 112 | 116 |
| 06 | 102 | 100 | 127 | 126 | 121 | 127 | 121 | 110 | 114 | 116 | 116 | 110 | 100 | 119 | 109 | 102 | 105 | 112 | 105 | 095 | 103 | 113† | 089 | 109 | 111 | 105 | 094 | 102 | 107 | 108 | 108 |
| 07 | 110 | 095 | 117 | 119 | 107 | 132 | 120 | 099 | 126 | 122 | 119 | 123 | 098 | 114 | 115 | 110 | 120 | 111 | 127 | 089 | 116 | 117 | 088 | 091 | 114 | 125 | 108 | 107 | 111 | 114 | 109 |
| 08 | 107 | 103 | 124 | 127 | 125 | 117 | 121 | 121 | 095 | 113 | 123 | 128 | 106 | 113 | 107 | 113 | 105 | 117 | 121 | 077 | 112 | 115 | 097 | 099 | 104 | 115 | 102 | 118 | 111 | 117 | 109 |
| 09 | 107 | 115 | 121 | 126 | 110 | 118 | 105 | 118 | 131 | 122 | 113 | 119 | 110 | 106 | 133 | 115 | 106 | 110 | 116 | 101 | 121 | 115 | 076 | 096 | 089 | 092 | 114 | 105 | 088 | 117 | 115 |
| 10 | 091 | 099 | 123 | 115 | 129 | RF | 110 | 106 | 119 | 111 | 127 | 120 | 126 | 119 | 135 | 113 | 117 | 131 | 119 | 106 | 126 | 134 | 093 | 099 | 122 | 113 | 107 | 125 | 09 | 114 | 121 |
| 11 | 113 | 108 | 116 | 114 | 126 | 112 | 107 | 118 | 113 | 107 | 127 | 123 | 110 | 126 | 130 | 121 | 125 | 109 | 128 | 105 | 129 | 123 | 099 | 089 | 115 | 097 | 093 | 122 | 116 | 118 | 119 |
| 12 | 112 | 118 | 137 | 121 | 118 | 109 | 124 | 128 | 108 | 128 | 123 | 123 | 117 | 117 | 109 | 137 | 121 | 123 | RF | 101 | 133 | 109 | 083 | 098 | 102 | 114 | 110 | 106 | 114 | 131 | 127 |
| 13 | 120 | 102 | 122 | 118 | 127 | 124 | 121 | 120 | 117 | 114 | 123 | 117 | 115 | 128 | 125 | 106 | 123 | 119 | 128 | 103 | 128 | 083 | 088 | 109 | 127 | 110 | 118 | 121 | 131 | 110 | 117 |
| 14 | 112 | 120 | 132 | 115 | 124 | 141 | 123 | 127 | 129 | 121 | 132 | 128 | 123 | 123 | 128 | 125 | 135 | 124 | 132 | 121 | 117 | 101 | 102 | 107 | 111 | 121 | 103 | 116 | 118 | 131 | 112 |
| 15 | 118 | 115 | 125 | 124 | 123 | 113 | 116 | 124 | 128 | 109 | 117 | 139 | 104 | 121 | 128 | 115 | 121 | 128 | 129 | 126 | 132 | 107 | 086 | 103 | 102 | 106 | 105 | 120 | 117 | 129 | 123 |
| 16 | 113 | 118 | 135 | 128 | 113 | 116 | 109 | 112 | 122 | 118 | 126 | 126 | 108 | 118 | 123 | 133 | 119 | 123 | 132 | 126 | 132 | 107 | 092 | 104 | 103 | 084 | 102 | 131 | 107 | 115 | 119 |
| 17 | 117 | 113 | 112 | 113 | 135 | 109 | 120 | 128 | 116 | 124 | 127 | 118 | 115 | 127 | 121 | 124 | 114 | 126 | 119 | 127 | 114 | 088 | 111 | 111 | 101 | 097 | 118 | 109 | 112 | 111 | 111 |
| 18 | 115 | 110 | 130 | 111 | 122 | 108 | 120 | 127 | 116 | 129 | 129 | 107 | 117 | 110 | 133 | 116 | 115 | 124 | 121 | 116 | 105 | 088 | 078 | 099 | 117 | 099 | 093 | 119 | 105 | 109 | 106 |
| 19 | 114 | 115 | 117 | 125 | 120 | 122 | 112 | 127 | 129 | 131 | 118 | 123 | 105 | 121 | 123 | 121 | 130 | 114 | 136 | 110 | 115 | 088 | 089 | 103 | 101 | 093 | 105 | 109 | 132 | 121 | 117 |
| 20 | 105 | 117 | 116 | 128 | 127 | 110 | 117 | 130 | 119 | 130 | 123 | 130 | 118 | 114 | 136 | 112 | 109 | 122 | 135 | 125 | 114 | 086 | 110 | 102 | 095 | 104 | 103 | 110 | 117 | 127 | 113 |
| 21 | 085 | 110 | 118 | 119 | 109 | 115 | 111 | 137 | 129 | 136 | 123 | 119 | 114 | 130 | 127 | 113 | 127 | 144 | 121 | 120 | 114 | 091 | 090 | 110 | 098 | 086 | 094 | 127 | 115 | 117 | 125 |
| 22 | 109 | 106 | 120 | 112 | 113 | 102 | 119 | 133 | 131 | 125 | 121 | 121 | 110 | 124 | 123 | 116 | 112 | 123 | 120 | 121 | 113 | 109 | 111 | 103 | 106 | 101 | 091 | 096 | 112 | 108 | 113 |
| 23 | 106 | 116 | 121 | 117 | 116 | 119 | 126 | 111 | 132 | 116 | 110 | 119 | 120 | 131 | 121 | 120 | 116 | 133 | 126 | 127 | 115 | 104 | 094 | 113 | 101 | 110 | 103 | 109 | 113 | 107 | 113 |
| 24 | 101 | 113 | 116 | 103 | 104 | 118 | 119 | 121 | 121 | 123 | 111 | 104 | 114 | 120 | 122 | 119 | 128 | 129 | 134 | 115 | 107 | 090 | 086 | 107 | 124 | 097 | 104 | 100 | 106 | 105 | 107 |
| Total | 26568 | 26634 | 26884 | 26817 | 26840 | 26805 | 26868 | 26887 | 26862 | 26911 | 26884 | 26728 | 26819 | 26966 | 26781 | 26780 | 26891 | 26704 | 26791 | 26479 | 26479 | 26439 | 26605 | 26528 | 26445 | 26665 | 26706 | 26761 | 26770 | | |
| Daily Mean | 1109.7 | 1120.2 | 1117.4 | 1118.3 | 1116.9 | 1119.5 | 1120.3 | 1121.3 | 1119.3 | 1121.3 | 1113.7 | 1117.5 | 1123.5 | 1115.9 | 1120.5 | 1115.8 | 1115.8 | 1112.7 | 1112.7 | 1116.3 | 1116.3 | 1103.2 | 1091.2 | 1108.5 | 1101.9 | 1111.0 | 1112.7 | 1115.4 | 1115.0 | | |

RF Recording failure. † Estimated from two sections. N.B.—1000 is subtracted from all tabulated figures equal to or greater than 1000.

OSMIC RAY RECORDS
 Station *Mawson*
 Year *1961*
 Month *June*

Triplic Neutron Monitor
 Scale Factor *32*
 Barometer Coefficient *-9.44%/cm Hg*

TABULATED Hourly Count Totals
Corrected to Standard Pressure 990 Millibar

| Date | 01 | 02 | 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 |
|------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Hour | 102 | 101 | 112 | 110 | 107 | 094 | 091 | 097 | 108 | 107 | 100 | 126 | 096 | 117† | 116 | 107 | 106 | 103 | 094 | 103 | 109 | 103 | 116 | 111 | 120 | 129 | 119 | 131 | 119 | 118 |
| GMT | 125 | 095 | 107 | 100 | 098 | 119 | 083 | 099 | 094 | 100 | 102 | 099 | 101 | 121 | 119 | 105 | 101 | 100 | 122 | 111 | 096 | 106 | 106 | 113 | 110 | 138 | 125 | 113 | 112 | 116 |
| | 114 | 103 | 109 | 110 | 103 | 102 | 080 | 096 | 091 | 080 | 116 | 103 | 114 | 131 | 119 | 115 | 102 | 103 | 106 | 105 | 096 | 104 | 123 | 120 | 100 | 123 | 124 | 112 | 108 | 111 |
| | 106 | 115 | 107 | 06 | 109 | 101 | 084 | 066 | 105 | 104 | 088 | 103 | 107 | 129 | 105 | 097 | 109 | 089 | 103 | 098 | 099 | 094 | 112 | 102 | 108 | RF | 121 | 106 | 125 | 111 |
| | 116 | 095 | 108 | 117 | 101 | 109 | 085 | RF | 099 | 100 | 089 | 104 | 096 | 132 | 091 | 105 | 091 | 097 | 114 | 098 | 097 | 096 | 124 | 113 | 108 | 110 | 105 | 109 | 105 | 105 |
| | 111 | 099 | 115 | 097 | 096 | 097 | 083 | | 092 | 089 | 108 | 110 | 102 | 124 | 103 | 112 | 109 | 104 | 115 | 103 | 101 | 097 | 114 | 131 | 123 | 111 | 106 | 119 | 099 | 105 |
| | 111 | 107 | 093 | 112 | 121 | 115 | 085 | 085 | 108 | 084 | 083 | 107 | 105 | 129 | 104 | 116 | 109 | 111 | 121 | 099 | 102 | 096 | 112 | 107 | 112 | 126 | 119 | 121 | 114 | 118 |
| | 110 | 108 | 136 | 117 | 076 | 104 | 103 | 078 | 116 | 098 | 109 | 120 | 118 | 113 | 106 | 107 | 099 | 089 | 112 | 111 | 095 | 093 | 108 | 104 | 111 | 103 | 127 | 119 | 117 | 108 |
| | 117 | 110 | 115 | 113 | 104 | 114 | 104 | 119 | 111 | 109 | 092 | 115 | 108 | 117 | 117 | 116 | 111 | 117 | 106 | 100 | 097 | 102 | 097 | 117 | 097 | 130 | 118 | 111 | 111 | 116 |
| | 124 | 104 | 124 | 110 | 108 | 096 | 101 | 098 | 119 | 084 | 097 | 106 | 111 | 114 | 119 | 108 | 107 | 104 | 106 | 112 | 110 | 105 | 106 | 104 | 109 | 121 | 131 | 113 | 122 | 121 |
| | 121 | 101 | 117 | 108 | 108 | 100 | 087 | 116 | 111 | 089 | 113 | 104 | 097 | 136 | 131 | 110 | 117 | 115 | 100 | 111 | 089 | 103 | 105 | 103 | 117 | 131 | RF | 116 | 113 | 119 |
| | 108 | 109 | 114 | 112 | 111 | 104 | 116 | 102 | 085 | 107 | 090 | 121 | 103 | 127 | 140 | 121 | 107 | 108 | 104 | 113† | 112 | 097 | 110 | 105 | 129 | 131 | 138 | 121 | 114 | 110 |
| | 106 | 103 | 123 | 135 | 109 | 111 | 095 | 109 | 113 | 116 | 113 | 119 | 100 | 115 | 135 | 111 | 108 | 115 | 132 | 144† | 088 | 125 | 115 | 100 | 113 | 123 | 125 | 119 | 119 | 101 |
| | 116 | 113 | 126 | 097 | 094 | 116 | 093 | 117 | 098 | 105 | 101 | 112 | 108 | 120 | 099 | 106 | 115 | 115 | 121 | 130† | 093 | 106 | 095 | 105 | 122 | 113 | 125 | 113 | 116 | 128 |
| | 123 | 120 | 114 | 115 | 093 | 089 | 113 | 108 | 115 | 108 | 119 | 113 | 120 | 131 | 118 | 114 | 088 | 112 | 123 | 132 | 092 | 110 | 120 | 094 | 103 | 111 | 143 | 101 | 110 | 110 |
| | 107 | 102 | 116 | 111 | 106 | 100 | 109 | 107 | 109 | 103 | 101 | 123 | 112 | 125 | 113 | 116 | 108 | 117 | 113 | 105 | 103 | 113 | 106 | 106 | 091 | 119 | 123 | 106 | 109 | 116 |
| | 117 | 097 | 106 | 117 | 093 | 090 | 083 | 112 | 090 | 081 | 103 | 102 | 123 | 121 | 130 | 109 | 113 | 120 | 107 | 118 | 098 | 103 | 109 | 115 | 106 | 114 | 125 | 117 | 121 | 115 |
| | 099 | 088 | 123 | 091 | 083 | 105 | 094 | 102 | 110 | 110 | 100 | 095 | 108 | 114 | 122 | 121 | 121 | 131 | 122 | 100 | 114 | 111 | 114 | 119 | 101 | 116 | 117 | 114 | 103 | 128 |
| | 123 | 097 | 113 | 101 | 093 | 091 | 080 | 103 | 091 | 110 | 111 | 119 | 121 | 117 | 103 | 116 | 106 | 119 | 109 | 110 | 087 | 112 | 110 | 124 | 105 | 129 | 139 | 107 | 114 | 124 |
| | 111 | 107 | 112 | 113 | 096 | 081 | 093 | 106 | 104 | 103 | 110 | 107 | 105 | 103 | 110 | 113 | 110 | 111 | 117 | 104 | 098 | 106 | 100 | 115 | 119 | 136 | 132 | 108 | 108 | 124 |
| | 113 | 104 | 111 | 118 | 088 | 092 | 079 | 096 | 094 | 107 | 109 | 102 | 116 | 117 | 118 | 107 | 113 | 124 | 114 | 113 | 103 | 110 | 112 | 099 | 120 | 129 | 152 | 104 | 110 | 128 |
| | 117 | 113 | 125 | 111 | 101 | 102 | 087 | 094 | 103 | 109 | 112 | 106 | 123† | 147 | 121 | 097 | 098 | 116 | 104 | 109 | 090 | 110 | 112 | 104 | 122 | 122 | 120 | 119 | 111 | 132 |
| | 100 | 106 | 114 | 105 | 098 | 089 | 080 | 105 | 096 | 099 | 104 | 103 | 120† | 123 | 119 | 098 | 097 | 115 | 108 | 083 | 087 | 115 | 096 | 111 | 125 | 127 | 124 | 109 | 095 | 113 |
| | 105 | 097 | 104 | 101 | 097 | 085 | 081 | 093 | 111 | 129 | 092 | 116 | 132† | 117 | 124 | 103 | 098 | 117 | 102 | 094 | 109 | 105 | 112 | 121 | 115 | 123 | 137 | 111 | 116 | 135 |
| Total | 26702 | 26494 | 26744 | 26627 | 26393 | 26406 | 26189 | | 26473 | 26431 | 26462 | 26635 | 26646 | 26940 | 26782 | 26630 | 26543 | 26652 | 26675 | 26576 | 26365 | 26522 | 26634 | 26643 | 26686 | | 26702 | 26715 | 26806 | |
| Daily Mean | 1112.6 | 1114.3 | 1103.9 | 1099.7 | 1100.3 | 1091.2 | 1103.0 | 1102.6 | 1110.3 | 1110.3 | 1115.9 | 1105.9 | 1105.9 | 1105.9 | 1105.9 | 1105.9 | 1105.9 | 1105.9 | 1105.9 | 1105.9 | 1105.9 | 1105.9 | 1105.9 | 1105.9 | 1105.9 | 1105.9 | 1105.9 | 1105.9 | 1105.9 | 1105.9 |
| | 1103.9 | 1114.3 | 1109.5 | 1099.7 | 1100.3 | 1091.2 | 1103.0 | 1102.6 | 1110.3 | 1110.3 | 1115.9 | 1105.9 | 1105.9 | 1105.9 | 1105.9 | 1105.9 | 1105.9 | 1105.9 | 1105.9 | 1105.9 | 1105.9 | 1105.9 | 1105.9 | 1105.9 | 1105.9 | 1105.9 | 1105.9 | 1105.9 | 1105.9 | 1105.9 |
| | 1103.9 | 1114.3 | 1109.5 | 1099.7 | 1100.3 | 1091.2 | 1103.0 | 1102.6 | 1110.3 | 1110.3 | 1115.9 | 1105.9 | 1105.9 | 1105.9 | 1105.9 | 1105.9 | 1105.9 | 1105.9 | 1105.9 | 1105.9 | 1105.9 | 1105.9 | 1105.9 | 1105.9 | 1105.9 | 1105.9 | 1105.9 | 1105.9 | 1105.9 | 1105.9 |

RF Recording failure. † Estimated from two sections. N.B.—1000 is subtracted from all tabulated figures greater than or equal to 1000.

COSMIC RAY RECORDS
 Station Mawson
 Year 1961
 Month July

Triplex Neutron Monitor
 Scale Factor .32
 Barometer Coefficient -9.44%/cm Hg

TABULATED Hourly Count Totals
 Corrected to Standard
 Pressure 990 Millibar

| Date | Hour GMT | 01 | 02 | 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 |
|------------|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|------|------|------|------|------|------|
| | 01 | 131 | 117 | 111 | 116 | 109 | 093 | 099 | 098 | 122 | 109 | 127 | 115 | 128 | 002 | 051 | 028 | 049 | 063 | 039 | 053† | 052† | 061† | 059* | 047* | 067* | 099* | 048† | 034† | 065† | 054† | 053† |
| | 02 | 121 | 116 | 110 | 084 | 115 | 101 | 092 | 094 | 117 | 123 | 111 | 109 | 124 | 991 | 053 | 045 | 055 | 060 | 037 | 052† | 071† | 061† | 052* | 062* | 061* | 093* | 029† | 026† | 056† | 038† | 068† |
| | 03 | 126 | 122 | 132 | 102 | 114 | 107 | 120 | 108 | 111 | 108 | 106 | 126 | 127 | 003 | 058 | 045 | 052 | 064 | 034 | 050† | 047† | 044† | 070* | 084* | 061* | 095* | 032† | 057† | 051† | 046† | 095† |
| | 04 | 117 | 101 | 115 | 109 | 106 | 110 | 112 | 093 | 106 | 101 | 125 | 126 | 130 | 018 | 025 | 049 | 041 | 072 | 053 | 053† | 041† | 058† | RF | 053* | 081* | 101* | 046† | 044† | 054† | 057† | 053† |
| | 05 | 141 | 114 | 110 | 114 | 115 | 094 | 117 | 102 | 117 | 120 | 115 | 124 | 141 | 027 | 021 | 035 | 049 | 074 | 068 | 059† | 033† | 038† | 043* | 083* | 115* | 039† | 043† | 040† | 065† | 071† | |
| | 06 | 123 | 105 | 108 | 124 | 114 | 115 | 112 | 092 | 112 | 101 | 119 | 117 | 130 | 034 | 030 | 046 | 047 | 071 | 072 | 034† | 059† | 051† | 027* | 058* | 050* | RF | 040† | 041† | 043† | 061† | 061† |
| | 07 | 126 | 127 | 107 | 106 | 120 | 111 | 108 | 101 | 103 | 116 | 114 | 113 | 122 | 027 | 026 | 053 | 047 | 056 | 054 | 029† | 038† | 047† | 040* | 079* | 050* | 098* | 044† | 033† | 052† | 063† | 070† |
| | 08 | 119 | 120 | 118 | 119 | 136 | 115 | 103 | 108 | 110 | 114 | 115 | 126 | 142 | 041 | 043 | 054 | 056 | 068 | 070 | 039† | 043† | 042† | 035* | 058* | 100* | 045† | 035† | 059† | 055† | 076† | |
| | 09 | 129 | 129 | 109 | 104 | 118 | 109 | 125 | 100 | 115 | 116 | 115 | 121 | 130 | 022 | 047 | 042 | 057 | 083 | 067 | 027† | 037† | 043† | 042* | 079* | 081* | 088* | 037† | 053† | 049† | 061† | 081† |
| | 10 | 124 | 119 | 115 | 100 | 111 | 109 | 120 | 103 | 130 | 115 | 123 | 125 | 148 | 024 | 031 | 048 | 052 | 051 | 056† | 036† | 038† | 063† | 040* | 072* | 069* | 093* | 037† | 032† | 059† | 064† | 063† |
| | 11 | 122 | 128 | 121 | 109 | 123 | 110 | 102 | 113 | 127 | 135 | 118 | 120 | 141 | 005 | 036 | 043 | 061 | 085 | 011 | 029† | 048† | 065† | 061* | 040* | 086* | 099* | 037† | 057† | 050† | 054† | 071† |
| | 12 | RF | 107 | 110 | 119 | 123 | 110 | 091 | 110 | 111 | 116 | 126 | RF | 126 | 010 | 033 | 040 | 072 | 185 | 042 | 014† | 044† | 046† | 048* | 051* | 067* | 085* | RF | 061† | 050† | 059† | 071† |
| | 13 | 117 | 123 | 117 | 117 | 116 | 129 | 096 | 116 | 116 | 138 | 111 | 114† | 104 | 019 | 045 | 050 | 054 | 177 | 041 | 022† | 059† | 048† | 075* | 098* | 064* | 098 | 016† | 043† | 041† | 057† | 068† |
| | 14 | 129 | 126 | 120 | 114 | 126 | 113 | 097 | 101 | 124 | 112 | 119 | 133† | 104 | 011 | 035 | 054 | 068 | 149 | 035 | 022† | 048† | 062† | 084* | 069* | 091* | 103 | 027† | 037† | 049† | 085† | 060† |
| | 15 | 135 | 117 | 119 | 109 | 127 | 115 | 108 | 112 | 109 | 114 | 124 | 119† | 085 | 018 | 032 | 061 | 056 | 124 | 044 | 032† | 046† | 042† | 067* | 061* | 063* | 098 | 019† | 033† | 039† | 069† | 000† |
| | 16 | 141 | 130 | 121 | 095 | 112 | 123 | 109 | 104 | 123 | 131 | 117 | RF | 075 | 007 | 055 | 050 | 072 | 102 | 040 | 023† | 059† | 050† | 056* | 067* | 059* | 090 | 017† | 051† | 050† | 061† | 054† |
| | 17 | 139 | 149 | 121 | 109 | 128 | 129 | 100 | 105 | 114 | 113 | 121 | 118† | 050 | 016 | 034 | 058 | 055 | 078 | 037 | 061† | 050† | 065† | 071* | 099* | 070* | 099 | 025† | 037† | 047† | 059† | RF |
| | 18 | 130 | 112 | 110 | 104 | 123 | 117 | 115 | 099 | 117 | 112 | 116 | 124 | 059 | 026 | 024 | 053 | 071 | 083 | 048 | 055† | 046† | 051† | 082* | 087* | 088* | 098 | 032† | 050† | 042† | 053† | |
| | 19 | 136 | 132 | 131 | 122 | 121 | 127 | 100 | 115 | 115 | 115 | 112 | 128 | 046 | 018 | 043 | 063 | 071 | 057 | 060 | 050† | 067† | 046† | 053* | 088* | 075* | 103 | 027† | 045† | 045† | 069† | 069† |
| | 20 | 131 | 116 | 119 | 111 | 097 | 117 | 089 | 111 | 123 | 116 | 131 | 118 | 018 | 022 | 040 | 071 | 065 | 044 | 048 | 061† | 076† | 072† | 076* | 082* | 091* | 108 | 021† | 028† | 046† | 073† | 087† |
| | 21 | 137 | 124 | 131 | 111 | 099 | 117 | 102 | 137 | 113 | 115 | 109 | 131 | 027 | 051 | 038 | 044 | 055 | 040 | 058 | 064† | 061† | 062† | 075* | 079* | 077* | 098 | 019† | 054† | 045† | 052† | 070† |
| | 22 | 131 | 113 | 124 | 097 | 108 | 104 | 103 | 121 | 109 | 113 | 127 | 123 | 007 | 049 | 050 | 043 | 080 | 046 | 048 | 050† | 048† | 042† | 076* | 076* | 086* | 094 | 024† | 029† | 050† | 048† | 082† |
| | 23 | 126 | 131 | 133 | 092 | 086 | 113 | 088 | 103 | 115 | 115 | 110 | 120 | 010 | 049 | 043 | 054 | 063 | 051 | 058 | 064† | 043† | 038† | 066* | 075* | 065* | 055 | 027† | 045† | 053† | 044† | 079† |
| | 24 | 126 | 127 | 111 | 106 | 105 | 100 | 092 | 103 | 123 | 118 | 132 | 126 | 002 | 060 | 031 | 044 | 062 | 035 | 055 | 070† | 037† | 056† | 057* | 094* | 085* | 065 | 015† | 039† | 040† | 055† | 077† |
| Total | | 26905 | 26823 | 26593 | 26752 | 26696 | 26500 | 26549 | 26782 | 26786 | 26881 | 26176 | 24550 | 24924 | 25173 | 25410 | 25918 | 25208 | 25049 | 25191 | 25253 | 25701 | 25725 | 25007 | 25175 | 25402 | | | | | | |
| Total Mean | | 1117.6 | 1108.0 | 1114.7 | 1114.7 | 1104.2 | 1115.9 | 1115.9 | 1118.8 | 1116.1 | 1118.8 | 1090.7 | 1022.9 | 1038.5 | 1058.7 | 1050.3 | 1079.9 | 1043.7 | 1049.6 | 1049.6 | 1052.2 | 1070.9 | 1071.9 | 1049.0 | 1058.4 | | | | | | | |

RF Recording failure.

* Estimated from single section.

† Estimated from two sections.

N.B.—1000 is subtracted from all tabulated figures equal to or greater than 1000.

TABLE 68

COSMIC RAY RECORDS
 Station *Mawson*
 Year *1961*
 Month *August*

Triplex Neutron Monitor
 Scale Factor *32*
 Barometer Coefficient *- 9.44%/cm Hg*

TABULATED Hourly Count Totals
 Corrected to Standard
 Pressure *990 Millibar*

| Date | 01 | 02 | 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 | |
|-------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----|-----|-----|-----|
| 01 | 102† | 078† | 086† | 125† | 102† | 091† | 109† | 067* | 099* | 092† | 089 | 094† | 101 | 086 | 099 | 114 | 109 | 124 | 088 | 107 | 133 | 098 | 106 | 115 | 115 | 123 | 118 | 119 | 097 | 105 | 091 | |
| 02 | 079† | 093† | 109† | 099† | 079† | 084† | 084† | 093* | 102* | 092† | 095 | 072† | 103 | 100 | 099 | 124 | 121 | 121 | 102 | 086 | 120 | 117 | 106 | 124 | 104 | 126 | 107 | 124 | 121 | 095 | 099 | |
| 03 | 077† | 076† | 105† | 112† | 086† | 087† | 099† | 114* | 093* | 069† | 092 | 081† | 097 | 097 | 105 | 120 | 109 | 105 | 101 | 097 | 103 | 111 | 108 | 126 | 097 | 117 | 114 | 123 | 104 | 111 | 101 | |
| 04 | 065† | RF | 089† | 081† | 091† | 080† | 099† | 077* | 070* | 113† | 089 | 090† | 098 | 087 | 091 | 110 | 109 | 101 | 097 | 100 | 106 | 103 | 119 | 098 | 101 | 108 | 117 | 123 | 111 | 101 | 079 | |
| 05 | 059† | | 081† | 081† | 103† | 080† | 095† | 094* | 086* | 105 | 093 | 083† | 111 | 100 | 108 | 110 | 112 | 119 | 107 | 110 | 100 | 099 | 098 | 103 | 110 | 120 | 107 | 112 | 115 | 109 | 100 | |
| 06 | 071† | 098† | 102† | 091† | 082† | 089† | 105* | 093* | 090 | 086 | 109† | 105 | 103 | 105 | 110 | 110 | 108 | 118 | 102 | 106 | 097 | 105 | 110 | 104 | 105 | 122 | 109 | 125 | 103 | 097 | | |
| 07 | 057† | 075† | 098† | 091† | 100† | 097† | 096† | 097* | 100* | 096 | 076 | 092† | 127 | 107 | 106 | 115 | 107 | 112 | 110 | 094 | 097 | 108 | 103 | 128 | 109 | 119 | 126 | 117 | 121 | 117 | 090 | |
| 08 | 075† | 066† | 089† | 105† | 093† | 107† | 097† | 117* | 100* | 108 | 100 | 109† | 117 | 108 | 120 | 100 | 122 | 099 | 097 | 100 | 113 | 109 | 118 | 125 | 121 | 112 | 120 | 111 | 110 | 111 | 106 | |
| 09 | 064† | 096† | 089† | 113† | 091† | 108† | 087† | 093* | RF | 117 | 091 | 108† | 111 | 096 | 105 | 111 | 115 | 101 | 109 | 093 | 109 | 108 | 110 | 118 | 111 | 137 | 108 | 128 | 120 | 113 | 111 | |
| 10 | 080† | 116† | 099† | 117† | 109† | 104† | 108† | 127* | 097* | 113 | 096 | 103† | 098 | 095 | 106 | 111 | 130 | 105 | 104 | 098 | 125 | 115 | 113 | 120 | 115 | 120 | 119 | 114 | 121 | 096 | 093 | |
| 11 | 061† | 086† | 093† | 112† | 112† | 112† | 113† | 111† | 108* | 116* | 115 | 113 | 102† | 098 | 106 | 110 | 119 | 122 | 095 | 119 | 112 | 118 | 133 | 122 | 126 | 111 | 140 | 125 | 125 | 101 | 108 | 094 |
| 12 | 061† | 096† | 096† | 097† | 117† | 113† | 110† | 108* | 112* | 116 | 103 | 101† | 086 | 106 | 110 | 119 | 123 | 108 | 101 | 111 | 122 | 110 | 123 | 127 | 124 | 129 | 128 | 120 | 110 | 121 | 094 | |
| 13 | 088† | 075† | 097† | 104† | 111† | 104† | 122† | 105* | 108* | 115 | 110 | 118† | 107 | 132 | 122 | 119 | 115 | 111 | 119 | 121 | 123 | 106 | 120 | 116 | 109 | 123 | 123 | 126 | 102 | 089 | | |
| 14 | 080† | 111† | 099† | 104† | 111† | 104† | 108† | 088† | 083* | 115* | 114 | 088 | 116† | 102 | 120 | 104 | 123 | 129 | 109 | 113 | 117 | 119 | 123 | 122 | 114 | 138 | 126 | 125 | 111 | 113 | 095 | |
| 15 | 084† | 091† | 101† | 103† | 100† | 108† | 112† | 112* | 112* | 122 | 096 | 112† | 107 | 118 | 117 | 113 | 134 | 106 | 129 | 126 | 114 | 130 | 108 | 128 | 119 | 124 | 111 | 125 | 116 | 102 | 095 | |
| 16 | 091† | 094† | 098† | 104† | 084† | 112† | 112† | 112* | 095* | 122 | 095 | 123 | 102 | 108† | 110 | 112 | 116 | 121 | 131 | 120 | 126 | 114 | 130 | 108 | 128 | 119 | 124 | 111 | 125 | 122 | 104 | 091 |
| 17 | 073† | 098† | 081† | 113† | 117† | 112† | 112† | 102† | 093* | 099* | 123 | 102 | 108† | 110 | 112 | 122 | 123 | 123 | 102 | 119 | 124 | 125 | 119 | 130 | 139 | 108 | 123 | 130 | 114 | 115 | 115 | 097 |
| 18 | 083† | 097† | 097† | 106† | 089† | 095† | 124† | 091* | 128* | 114 | 100 | 091† | 095 | 113 | 122 | 123 | 123 | 102 | 119 | 124 | 125 | 119 | 130 | 139 | 108 | 123 | 130 | 114 | 115 | 115 | 097 | |
| 19 | 100† | 098† | 108† | 091† | 094† | 104† | 109† | 109* | 116* | 100 | 104 | 101† | 100 | 110 | 109 | 097 | 109 | 124 | 130 | 127 | 121 | 122 | 136 | 119 | 113 | 134 | 119 | 106 | 122 | 110 | 104 | |
| 20 | 082† | 103† | 090† | 101† | 081† | 100† | 113† | 108* | 115* | 109 | 099 | 107† | 109 | 108 | 127 | 119 | 128 | 099 | 108 | 113 | 130 | 101 | 110 | 107 | 108 | 124 | 132 | 112 | 101 | 086 | 087 | |
| 21 | 085† | 103† | 089† | 125† | 081† | 100† | 100† | 106† | 102* | 116* | 101 | 103 | 097† | 098 | 113 | 109 | 114 | 110 | 126 | 108 | 125 | 125 | 105 | 116 | 121 | 120 | 125 | 132 | 115 | 102 | 095 | 092 |
| 22 | 087† | 089† | 103† | 099† | 087† | 105† | 106† | 076* | 091* | 098 | 103 | 099† | 110 | 106 | 117 | 131 | 114 | 098 | 121 | 126 | 124 | 113 | 120 | 118 | 099 | 135 | 113 | 121 | 112 | 090 | 109 | |
| 23 | 096† | 083† | 086† | 117† | 096† | 081† | 097† | 078* | 107* | 102 | 102 | 105† | 088 | 091 | 115 | 112 | 120 | 108 | 112 | 128 | 117 | 103 | 100 | 105 | 120 | 130 | 129 | 112 | 102 | 103 | 099 | |
| 24 | 088† | 089† | 086† | 099† | 101† | 079† | 101† | 096* | 095* | 108 | 105 | 107† | 104 | 090 | 107 | 110 | 116 | 106 | 120 | 131 | 118 | 103 | 097 | 111 | 122 | 124 | 123 | 107 | 113 | 086 | 093 | |
| Total 25888 | 26267 | 26492 | 26319 | 26353 | 26459 | 26343 | 26541 | 26340 | 26421 | 26486 | 26521 | 26651 | 26764 | 26833 | 26618 | 26679 | 26692 | 26828 | 26643 | 26747 | 26836 | 26705 | 26980 | 26907 | 26854 | 26711 | 26524 | 26310 | | | | |
| Daily Mean | 1094.5 | 1103.8 | 1096.6 | 1102.5 | 1097.6 | 1102.5 | 1097.6 | 1105.9 | 1100.9 | 1103.6 | 1105.0 | 1110.5 | 1118.0 | 1109.1 | 1111.6 | 1112.2 | 1117.8 | 1110.1 | 1114.5 | 1118.2 | 1112.7 | 1114.5 | 1118.2 | 1124.2 | 1121.1 | 1118.9 | 1113.0 | 1096.3 | | | | |

RF Recording failure. * Estimated from single section. † Estimated from two sections. N.B.—1000 is subtracted from all tabulated figures greater than or equal to 1000.

COSMIC RAY RECORDS

Station Mawson
Year 1961
Month September

Triplex Neutron Monitor
Scale Factor .32
Barometer Coefficient - 9.44%/cm Hg

TABLATED Hourly Count Totals
Corrected to Standard
Pressure 990 Millibar

TABLE 69

| Date | 01 | 02 | 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 |
|------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|
| Hour GMT | 01 | 02 | 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 |
| 01 | 084 | 095 | 112 | 115 | 111 | 117 | 104 | 099 | 109 | 086 | 117 | 095 | 095 | 071 | 099 | 094 | 101 | 116 | 097 | 071 | 091 | 106 | 122 | 114 | 111 | 116 | 121 | 125 | 145 | 119 |
| 02 | 103 | 099 | 111 | 120 | 117 | 111 | 119 | 105 | 100 | 109 | 114 | 084 | 083 | 077 | 098 | 092 | 084 | 127 | 101 | 090 | 108 | 101 | 118 | 111 | 121 | 112 | 122 | 121 | 151 | 108 |
| 03 | 097 | 107 | 107 | 128 | 111 | 120 | 115 | 111 | 116 | 114 | 118 | 093 | 077 | 082 | 095 | 086 | 090 | 101 | 106 | 103 | 096 | 121 | 118 | 118 | 125 | 116 | 111 | 127 | 156 | 115 |
| 04 | 095 | 088 | 107 | 116 | 104 | 119 | 111 | 105 | 105 | 105 | 109 | 099 | 095 | 075 | 091 | 083 | 095 | 106 | 105 | 102 | 106 | 115 | 109 | 102 | 104 | 121 | 115 | 125 | 142 | 105 |
| 05 | 082 | 103 | 121 | 121 | 122 | 107 | 099 | 132 | 104 | 105 | 105 | 103 | 093 | 098 | 093 | 077 | 088 | 116 | 097 | 099 | 098 | 107 | 124 | 114 | 102 | 119 | 108 | 127 | 134 | 127 |
| 06 | 097 | 098 | 107 | 122 | 115 | 107 | 118 | 110 | 122 | 118 | 104 | 087 | 086 | 112 | 091 | 086 | 097 | 111 | 100 | 101 | 109 | 117 | 120† | 119 | 112 | 128 | 141 | 128 | 142 | 112 |
| 07 | 110 | 095 | 095 | 119 | 121 | 102 | 127 | 112 | 139† | 114 | 111 | 091 | 081 | 097 | 086 | 076 | 101 | 113 | 096 | 104 | 105 | 125 | 118 | 117 | 101 | 113 | 113 | 117 | 138 | 122 |
| 08 | 089 | 085 | 108 | 123 | 114 | 104 | 102 | 123 | 145† | 104 | 103 | 085 | 104 | 107 | 091 | 100 | 100 | 111 | 098 | 104 | 122 | 111 | 133 | 110 | 106 | 124† | 114 | 121 | 142 | 116 |
| 09 | 097 | 120 | 118 | 106 | 107 | 106 | 110 | 113 | 123 | 109 | 103 | 085 | 100 | 106 | 099 | 105† | 101 | 098 | 101 | 119 | 117 | 113 | 124 | 119 | 110 | 129 | 129 | 112 | 146 | 124 |
| 10 | 101 | 122 | 109 | 119 | 123 | 104 | 112 | 121† | 104 | 095 | 099 | 088† | 099 | 087 | 105 | 097 | 116 | 122 | 105 | 109 | 123 | 123 | 111 | 133 | 108 | 116 | 119 | 124 | 122 | 148† |
| 11 | 081 | 111 | 117 | 107 | 118 | 118 | 121 | 119 | 105 | 108 | 111 | 097 | 115 | 109 | 104 | RF | 120 | 120 | 109 | 109 | 121 | 126 | 119 | 127 | 115 | 115 | 117 | 134 | 128 | 124 |
| 12 | 110 | 120 | 110 | 123 | 117 | 124 | 127 | 133 | 124 | 104 | 092 | 114 | 100 | 104 | 113 | 109 | 120 | 135 | 113 | 114 | 108 | 124 | 115 | 113 | 112 | 138 | 131† | 125 | 117 | 127 |
| 13 | 094 | 125 | 102 | 116 | 121 | 127 | 121 | 121 | 131 | 109 | 109 | 078 | 110 | 100 | 114 | 105 | 100 | 122 | 105 | 119 | 124 | 119 | 126 | 107 | 128 | 114 | 129 | 120 | 122 | 123 |
| 14 | 089 | 115 | 118 | 107 | 116 | 115 | 116 | 116 | 130 | 131 | 110 | 108 | 111 | 106 | 113 | 108 | 103 | 116 | 137 | 112† | 138 | 114 | 109 | 124 | 135 | 124 | 128 | 111 | 115 | 103 |
| 15 | 101 | 121 | 133 | 123 | 120 | 120 | 127 | 101 | 127 | 110 | 085 | 110 | 119 | 102 | 119 | 114 | 135 | 143 | 119 | 122 | 106 | 110 | 119 | 117 | 117 | 121 | 127 | 126 | 134 | 119 |
| 16 | 097 | 116 | 115 | 120 | 119 | 125 | 123 | 129 | 134 | 107 | 102 | 109 | 098 | 099 | 131 | 117 | 127 | 119 | 127 | 129 | 121† | 123 | 112 | 111 | 114 | 130 | 122 | 148 | 117 | 113 |
| 17 | 080 | 110 | 119 | 114 | 134 | 130 | 134 | 126 | 125 | 121 | 112 | 098 | 096 | 108 | 103 | 113 | 117 | 134 | 111 | 131 | 112 | 116 | 109 | 116 | 095 | 119 | 123† | 156 | 125 | 122 |
| 18 | 085 | 111 | 114 | 126 | 122 | 123 | 108 | 111 | 128 | 123 | 106 | 103 | 101 | 118 | 113 | 101 | 124 | 124 | 112 | 127 | 137 | 114 | 119 | 120 | 116 | 116 | 124† | 142 | 134 | 122 |
| 19 | 105 | 110 | 120 | 124 | 135 | 115 | 136 | 117 | 122 | 129 | 100 | 125 | 110 | 100 | 104 | 116 | RF | 123 | 100 | 118 | 107 | 101 | 117 | 103 | 106 | 131 | 115 | 141 | 121 | 115 |
| 20 | 081 | 116 | 105 | 116 | 118 | 129 | 101 | 108 | 117 | 127 | 102 | 082 | 109 | 109 | 089 | 100 | 136 | 116 | 101 | 108 | 120 | 115 | 116 | 114 | 112 | 119 | 129 | 145 | 133 | 119 |
| 21 | 101 | 115 | 125 | 141 | 123 | 120 | 103 | 091 | 122 | 116 | 109 | 095 | 113 | 118 | 090 | 099 | 125 | 127 | 103 | 110 | 109 | 115† | 105 | 103 | 109 | 110 | 118 | 145 | 131 | 104 |
| 22 | 095 | 108 | 125 | 120 | 117 | 100 | 094 | 099 | 118 | 140 | 099 | 085 | 111 | 092 | 087 | 121 | 131 | 131 | 105 | 100 | 113 | 104 | 115 | 099 | 114 | 108 | 124 | 145 | 130 | 124 |
| 23 | 102 | 122 | 127 | 123 | 127 | 119 | 101 | 117 | 112 | 118 | 102 | 101 | 086 | 102 | 092 | 090 | 141 | 112 | 098 | 117 | 104 | 118 | 102 | 121 | 112 | 123 | 128 | 130 | 134 | 099 |
| 24 | 098 | 101 | 104 | 121 | 121 | 105 | 107 | 108 | 129 | 134 | 107 | 104 | 076 | 090 | 102 | 089 | 109 | 099 | 098 | 104 | 117 | 113 | 121 | 113 | 130 | 123 | 128 | 143 | 108 | 082 |
| Total | 26274 | 26613 | 26729 | 26870 | 26853 | 26767 | 26736 | 26741 | 26892 | 26715 | 26527 | 26536 | 26337 | 26395 | 26422 | 26863 | 26519 | 26648 | 26688 | 26751 | 26801 | 26745 | 26715 | 26885 | 26895 | 26938 | 27138 | 27167 | 26792 | |
| Daily Mean | 1113.7 | 1113.7 | 1118.9 | 1118.9 | 1115.3 | 1114.0 | 1114.2 | 1120.5 | 1113.1 | 1105.3 | 1097.4 | 1099.8 | 1100.9 | 1098.8 | 1100.9 | 1119.3 | 1105.0 | 1110.3 | 1112.0 | 1114.6 | 1116.7 | 1113.1 | 1114.4 | 1113.1 | 1120.2 | 1122.4 | 1132.0 | 1132.0 | 1116.7 | |

RF - Recording failure. † - Estimated from all tabulated figures equal to or greater than 1000. N.B.—1000 is subtracted from all tabulated figures equal to or greater than 1000.

COSMIC RAY RECORDS

Station *Mawson*
Year *1961*
Month *October*

Triplex Neutron Monitor
Scale Factor *32*
Barometer Coefficient *-9.44%/cm Hg*

TABULATED Hourly Count Totals
Corrected to Standard
Pressure *990 Millibar*

| Hour GMT | 01 | 02 | 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 |
|-------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----|
| 01 | 064 | 063 | 113 | 111 | 108 | 107 | 117 | 116 | 109 | 113 | 100 | 123 | 125 | 109 | 117 | 120 | 123 | 116 | 136 | 129 | 140 | 135 | 136 | 146 | 129 | 123 | 132 | 131 | 122 | 120 | 129 |
| 02 | 060 | 072 | 093 | 110 | 113 | 096 | 113 | 107 | 111 | 107 | 102 | 118 | 110 | 123 | 131 | 115 | 134 | 129 | 137 | 139 | 154 | 134 | 137 | 147 | 141 | 137 | 142 | 130 | 133 | 120 | 134 |
| 03 | 059 | 080 | 104 | 102 | 085 | 089 | 093 | 104 | 100 | 111 | 127 | 117 | 111 | 125 | 117 | 110† | 128 | 144 | 152 | 137 | 141 | 124 | 134 | 142 | 133 | 122 | 128 | 124 | 141 | 116 | 146 |
| 04 | 066 | 069 | 113 | 102 | 099 | 112 | 100 | 105 | 110 | 108 | 106 | 108 | 110 | 118 | 115 | 129 | 132 | 143 | 133 | 140 | 138 | 142 | 138 | 137 | 137 | 125 | 127 | 141 | 129 | 135 | 132 |
| 05 | 065 | 076 | 110 | 099 | 096 | 091 | 098 | 107 | 115 | 121 | 109 | 107 | 128 | 138 | 125 | 121 | 125 | 125 | 130 | 122 | 124 | 137 | 135 | 131 | 147 | 125 | 129 | 131 | 138 | 118 | 133 |
| 06 | 078 | 070 | 103 | 106 | 088 | 114 | 102 | 106 | 112 | 118 | 126 | 114 | 126 | 112 | 110 | 120 | 141 | 143 | 136 | 145 | 143 | 122 | 131 | 137 | 151 | 133 | 137 | 146 | 137 | 131 | 131 |
| 07 | 075 | 067 | 102 | 110 | 093 | 097 | 112 | 106 | 132 | 128 | 109 | 107 | 118 | 122 | 126 | 113 | 126 | 131 | 135 | 120 | 147 | 135 | 141 | 130 | 155 | 140 | 140 | 136 | 127 | 127 | 133 |
| 08 | 068 | 085 | 118 | 105 | 080 | 106 | 113 | 101 | 115 | 120 | 122 | 111 | 127 | 120 | 127 | 111 | 125 | 137 | 116 | 143 | 140 | 133 | 118 | 134 | 143 | 128 | 133 | 147 | 103 | 129 | 123 |
| 09 | 068 | 066 | 104 | 100 | 100 | 092* | 105 | 111 | 119 | 105 | 113 | 128 | 138 | 131 | 122 | 123 | 120 | 140 | 137 | 128 | 138 | 137 | 143 | 130 | 136 | 128 | 139 | 145 | 135 | 122 | 127 |
| 10 | 044 | 074 | 103 | 091 | 094 | 105† | 116 | 104 | 113 | 100 | 113 | 128 | 129 | 106 | 125 | 117† | 125 | 148 | 138 | 129 | 139 | 131† | 126 | 129 | 135 | 133 | 124 | 126 | 126 | 123 | 114 |
| 11 | 046 | 070 | 104 | 099 | 081 | 111* | 127 | 102 | 097 | 123 | 111 | 129 | 119 | 122 | 124 | 122 | 123 | 135 | 131 | 141 | 151 | 151 | 144 | 141 | 139 | 128 | 124 | 131 | 137 | 121 | 137 |
| 12 | 044 | 059 | 107 | 099 | 085 | 083† | 104 | 097 | 103 | 112 | 133 | 115 | 129 | 121 | 137 | 129 | 143 | 139 | 134 | 141 | 150 | 139 | 126 | 144 | 123 | 140 | 134 | 135 | 121 | 138 | 117 |
| 13 | 040 | 078 | 090 | 095 | 091 | 089 | 115 | 117 | 115 | 112 | 123 | 125 | 125 | 132 | 138 | 124 | 138 | 142 | 133 | 127 | 146 | 131 | 127 | 141 | 133 | 135 | 140 | 136 | 114 | 133 | 135 |
| 14 | 058 | 069 | 095 | 109 | 087 | 105 | 105 | 119 | 118 | 097 | 112 | 099 | 123 | 124 | 127 | 122 | 128 | 134 | 122 | 141 | 141 | 132† | 129 | 137 | 141 | 143 | 138 | 122 | 124 | 119 | 126 |
| 15 | 049 | 070 | 078 | 104 | 076 | 101 | 102 | 107 | 112 | 111 | 117 | 112 | 115 | 145† | 142 | 119 | 145 | 134 | 143 | 128 | 135 | 126 | 145 | 134 | 139 | 136 | 149 | 107 | 100 | 145 | 132 |
| 16 | 049† | 064 | 090 | 078 | 091 | 097 | 105 | 107 | 126 | 115† | 113 | 114 | 127 | 124 | 119 | 138 | 133 | 140 | 140 | 142 | 141 | 147 | 150 | 141 | 142 | 135 | 112 | 103 | 119 | 127 | 123 |
| 17 | 051 | 068 | 103 | 111 | 106 | 106† | 101 | 118 | 119 | 112† | 118 | 121 | 127 | 113 | 130† | 136 | 130 | 128 | 151 | 137 | 135 | 139 | 144 | 143 | 119 | 132 | 124 | 084 | 122 | 118 | 130 |
| 18 | 043 | 075 | 081 | 099 | 103 | 106† | 105 | 117 | 113 | 116 | 115 | 116 | 123 | 120 | 131 | 132 | 140 | 137 | 131 | 146 | 127 | 143 | 133 | 134 | 131 | 135 | 140 | 095 | 112 | 111 | 121 |
| 19 | 050 | 082 | 088 | 090 | 101 | 103 | 099 | 103 | 119 | 115 | 112 | 122 | 121 | 133 | 131 | 121 | 127 | 121 | 135 | 137 | 136 | 143 | 125 | 135 | 124 | 144 | 118 | 091 | 111 | 133 | 131 |
| 20 | 062 | 075 | 095 | 075 | 095 | 106 | 102 | 114 | 106 | 112 | 112 | 115 | 123 | 130 | 125 | 121 | 127 | 136 | 136 | 127 | 130 | 133 | 137 | 141 | 141 | 130 | 130 | 092 | 119 | 116 | 122 |
| 21 | 056 | 075 | 100 | 109 | 106 | 103 | 112 | 107 | 105 | 118 | 109 | 108 | 103 | 127 | 129 | 118 | 125 | 126 | 134 | 150 | 144 | 133 | 137 | 143 | 121 | 147 | 124 | 096 | 116 | 131 | 131 |
| 22 | 063 | 089 | 105 | 102 | 090 | 114 | 114 | 105 | 109 | 101 | 121 | 122 | 100 | 128 | 136 | 133 | 121 | 136 | 138 | 134 | 140 | 139 | 133 | 142 | 126 | 133 | 118 | 111 | 125 | 140 | 123 |
| 23 | 068 | 085 | 091 | 110 | 097 | 116 | 104 | 113 | 118 | 099 | 107 | 121 | 118 | 107 | 117 | 132 | 129 | 135 | 122 | 150 | 129 | 139 | 132 | 148 | 121 | 144 | 142 | 114 | 128 | 132 | 120 |
| 24 | 076 | 089 | 106 | 120 | 092 | 103 | 099 | 102 | 118 | 113 | 113 | 107 | 119 | 137 | 112 | 124 | 128 | 124 | 126 | 148 | 129 | 136 | 139 | 134 | 132 | 124 | 137 | 117 | 126 | 116 | 125 |
| Total | 25402 | 25770 | 26396 | 26436 | 26257 | 26452 | 26563 | 26595 | 26714 | 26687 | 26805 | 26894 | 26967 | 27013 | 26950 | 27116 | 27223 | 27226 | 27281 | 27336 | 27361 | 27240 | 27321 | 27239 | 27200 | 27161 | 26889 | 26965 | 27021 | 27075 | |
| Daily Mean | 1058.4 | 1099.8 | 1099.8 | 1094.0 | 1094.0 | 1106.8 | 1113.1 | 1113.1 | 1112.0 | 1112.0 | 1116.9 | 1120.6 | 1123.6 | 1125.5 | 1125.5 | 1129.8 | 1134.4 | 1134.4 | 1136.7 | 1139.1 | 1139.1 | 1135.9 | 1138.4 | 1134.9 | 1131.7 | 1123.5 | 1125.9 | 1128.1 | 1128.1 | 1128.1 | |
| Mean | 1073.7 | 1101.5 | 1102.2 | 1108.1 | 1108.1 | 1113.1 | 1113.1 | 1112.0 | 1112.0 | 1116.9 | 1120.6 | 1123.6 | 1123.6 | 1125.5 | 1125.5 | 1129.8 | 1134.3 | 1134.3 | 1136.7 | 1136.7 | 1139.1 | 1135.9 | 1138.4 | 1134.9 | 1131.7 | 1123.5 | 1125.9 | 1128.1 | 1128.1 | 1128.1 | |

RF Recording failure. † ... Estimated from two sections N.B.—1000 is subtracted from all tabulated figures greater than or equal to 1000.

COSMIC RAY RECORDS
 Station *Mawson*
 Year *1961*
 Month *November*

Triplic Neutron Monitor
 Scale Factor *32*
 Barometer Coefficient *-9.44%/cm Hg*

TABULATED Hourly Count Totals
 Corrected to Standard
 Pressure *990 Millibar*

| Date | 01 | 02 | 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 |
|------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-----|-----|-----|-----|-----|-----|
| Hour GMT | 140† | 147† | 139† | 123 | 144 | 131 | 124 | 131 | 145 | 149 | 120† | 148 | 131 | 140 | 144 | 130 | 107 | 135 | 138 | 126 | 136 | 131† | 141 | 119 | 145 | 129 | 153 | 142 | 130 | 157 |
| | 127† | 125† | 123† | 126 | 131 | 128 | 122 | 132 | 130 | 144 | 137† | 143 | 141 | 145 | 133 | 123 | 104 | 134 | 124 | 134 | 144 | 119† | 134 | 126 | 133 | 131 | 147 | 141 | 133 | 136 |
| | 128† | 125† | 142† | 131 | 144 | 131 | 127 | 138 | 134 | 148 | 129† | 140 | 144 | 143 | 147 | 136 | 122 | 125 | 144 | 120 | 141 | 126† | 131 | 128 | 115 | 139 | 134 | 144 | 141 | 139 |
| | 114† | 148† | 147† | 133 | 135 | 130 | 128 | 137 | 139 | 139 | 150† | 137 | 157 | 165 | 140 | 124 | 110 | 134 | 127 | 146 | 119 | 137† | 130 | 131 | 137 | 137 | 142 | 129 | 132 | 136 |
| | 131† | 137† | 133† | 130 | 132 | 131 | 120 | 138 | 131 | 136 | 147† | 142 | 130 | 145 | 135 | 129 | 122 | 122 | 127 | 132 | 140 | 127† | 122 | 130 | 121 | 151 | 147 | 126 | 132 | 137 |
| | 136† | 140† | 128† | 127 | 148 | 144 | 130 | 133 | 151 | 142 | 139† | 155 | 143 | 137 | 117 | 119 | 132 | 123 | 138 | 143 | 143 | 123† | 131 | 130 | 130 | 146 | 143 | 146 | 148 | 136 |
| | 117† | 156† | 141† | 119 | 157 | 138 | 142 | 126 | 132 | 134 | 133† | 123 | 131 | 130 | 119 | 135 | 131 | 112 | 130 | 122 | 155 | 130 | 135 | 135 | 137 | 132 | 146 | 147 | 120 | 138 |
| | 132† | 146† | 139† | 127 | 146 | 132† | 132 | 126 | 156 | 138 | 135† | 139 | 141 | 133 | 139 | 124 | 133 | 128 | 121 | 121 | 147 | 126 | 125 | 134 | 141 | 146 | 134 | 140 | 156 | 126 |
| | 139† | 143† | 139† | 125 | 142 | 135 | 131 | 132 | 147 | 145 | 126† | 114 | 139 | 143 | 118 | 109 | 127 | 139 | 138 | 133 | 138 | 126 | 134 | 129 | 132 | 143 | 128 | 138 | 144 | 150 |
| | 130† | 145† | 146† | 129 | 130 | 138 | 125 | 137 | 147 | 125 | 134† | 142 | 150 | 140 | 125 | 111 | 135 | 126 | 122 | 132 | 128 | 131 | 124 | 128 | 142 | 136 | 149 | 129 | 134 | 135 |
| | 132† | 135† | 121† | 135 | 159 | 135 | 140 | 135 | 126 | 150 | 153† | 130 | 146 | 139 | 118 | 102 | 127 | 132 | 139 | 153 | 133 | 123 | 114 | 128 | 133 | 148 | 135 | 130 | 153 | 153 |
| | 121† | 138† | 132† | 139 | 136 | 125 | 150 | 140 | 145 | 143 | 139† | 138 | 132 | 141 | 136 | 134 | 131 | 137 | 129 | 133 | RF | 127 | 149 | 130 | 146 | 154 | 137 | 150 | 132 | 140 |
| | 127† | 123† | 139† | 128 | 143 | 130 | 147 | 133 | 144 | 138 | 137† | 145 | 144 | 151 | 135 | 132 | 127 | 149 | 128 | 142 | 137† | 138 | 132 | 128 | 151 | 147 | 132 | 129 | 144 | 126 |
| | 110† | 141† | 133† | 142 | 142 | 133 | 132 | 132 | 141 | 141 | 133† | 147 | 133 | 131 | 130 | 119 | 137 | 130 | 124 | 137 | 119† | 123 | 124 | 136 | 129 | 149 | 135 | 144 | 148 | 159 |
| | 134† | 125† | 133† | 135 | 144 | 126 | 122 | 128 | 132 | 148 | 129† | 116 | 145 | 139 | 123 | 137 | 145 | 138 | 123 | 122 | 145† | 130 | 119 | 125 | 126 | 140 | RF | 141 | 158 | 150 |
| | 144† | RF | RF | 134 | 130 | 124 | 129 | 129 | 137 | 148 | 120† | 125 | 129 | 125 | 141 | 137 | 149 | 119 | 130 | 135 | 123† | 121 | 133 | 131 | 139 | 155 | 138 | 155 | 150 | 158 |
| | 131† | 151* | 138† | 132 | 124 | 139 | 141 | 145 | 144 | 147 | RF | 135 | 146 | 133 | 127 | 142 | 129 | RF | 134 | 142 | 107 | 126 | 130 | 117 | 124 | 145 | 145 | 146 | 137 | 142 |
| | 132† | 134† | 135† | 141 | 132 | 122 | 129 | 137 | 149 | 139 | | 147 | 140 | 124 | 142 | 136 | 121 | 138 | 147 | 143 | 121 | 119 | 131 | 137 | 123 | 147 | 156 | 146 | 143 | 142 |
| | 115† | 123† | 131† | 133 | 134 | 137 | 135 | 141 | 140 | 141 | 121† | 136 | 142 | 131 | 141 | 116 | 136 | 135 | 112 | 125 | 147 | 116 | 134 | 142 | 133 | 138 | 139 | 167 | 144 | 146 |
| | 144† | 153† | 128† | 129 | 143 | 128 | 116 | 134 | 137 | 124 | 133† | 125 | 149 | 136 | 124 | 120 | 133 | 133 | 125 | 135 | 112 | 142 | 139 | 136 | 127 | 138 | 151 | 151 | 145 | 150 |
| | 135† | 118† | 138† | 135 | 141 | 133 | 129 | 145 | 147 | 131 | 136† | 139 | 150 | 121 | 139 | 139 | 135 | 141 | 129 | 134 | 125 | 126 | 135 | 124 | 125 | 129 | 155 | 153 | 134 | 146 |
| | 119† | 135† | 130† | 144 | 118 | 119 | 133 | 144 | 146 | 149 | 147† | 122 | 164 | 123 | 139 | 127 | 120 | 150 | 120 | 151† | 134 | 134 | 126 | 131 | 143 | 155 | 125 | 140 | 155 | 148 |
| | 133† | 147† | 147† | 133 | 134 | 130 | 126 | 141 | 159 | 120 | 136† | 143 | 150 | 128 | 139 | 120 | 144 | 150 | 116 | 122† | 122 | 139 | 133 | 147 | 137 | 151 | 141 | 146 | 141 | 146 |
| | 139† | 130† | 127† | 136 | 131 | 124 | 144 | 134 | 132 | 130 | 130† | 137 | 145 | 141 | 132 | 123 | 143 | 157 | 137 | 151† | 127 | 129 | 139 | 124 | 137 | 151 | 145 | 138 | 136 | 153 |
| Total | 27110 | 27166 | 27320 | 27143 | 27154 | 27248 | 27391 | 27349 | 27268 | 27422 | 27394 | 27183 | 27024 | 27100 | 27102 | 27234 | 27069 | 27145 | 27126 | 27206 | 27437 | 27418 | 27390 | 27449 | | | | | | |
| Daily Mean | 1129.6 | 1138.3 | 1131.9 | 1130.9 | 1131.4 | 1135.3 | 1141.3 | 1139.5 | 1136.2 | 1142.6 | 1136.8 | 1132.6 | 1129.2 | 1129.2 | 1129.3 | 1134.7 | 1127.9 | 1131.0 | 1133.6 | 1143.2 | 1142.4 | 1141.3 | | | | | | | | |

RF — Recording failure. * Estimated from single section. † Estimated from two sections. N.B.—1000 is subtracted from all tabulated figures equal to or greater than 1000.

COSMIC RAY RECORDS

Station *Mawson*
Year *1961*
Month *December*

TABLE 72

Triplicx Neutron Monitor
Scale Factor 32
Barometer Coefficient -9.44%/cm Hg

TABULATED Hourly Count Totals
Corrected to Standard
Pressure 990 Millibar

| Date | 01 | 02 | 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 |
|------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|
| Hour GMT | 01 | 02 | 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 |
| 01 | 127 | 095 | 119 | 125 | 118 | 124† | 109 | 115† | 115† | 107 | 131 | 117 | 116 | 132† | 125† | 142 | 136† | 134† | 148† | 126 | 123 | 144 | 141 | 136 | 125 | 140 | 147 | 116 | 131 | 135 | 133 |
| 02 | 123 | 106 | 115 | 125 | 126 | 116† | 122 | 112† | 122† | 121 | 125 | 125 | 107 | 114† | 125† | 129 | 132† | 125† | 149† | 142 | 140 | 134 | 142 | 135 | 143 | 138 | 133 | 124 | 133 | 122 | 138 |
| 03 | 130 | 09 | 111 | 135 | 127 | 123† | 116 | 121† | 133† | 124 | 132 | 130 | 121 | 125† | 120† | 134 | 129† | 140† | 113† | 146 | 147 | 135 | 133 | 138 | 142 | 116 | 123 | 132 | 127 | 122 | 132 |
| 04 | 120 | 04 | 120 | 121 | 123 | 128† | 106 | 110† | 110† | 131 | 120 | 131 | 129 | 115† | 119† | 124 | 134† | 099† | 133† | 137 | 143 | 139 | 153 | 131 | 133 | 141 | 138 | 139 | 149 | 116 | 125 |
| 05 | 137 | 091 | 126 | 123 | 129 | 117† | 095 | 107† | 107† | 131 | 122 | 122 | 118 | 117† | 131† | 123 | 129† | 125† | 131 | 133 | 137 | 136 | 135 | 151 | 132 | 125 | 135 | 130 | 138 | 129 | |
| 06 | 125 | 140 | 123 | 128 | 121 | 123† | 117 | 120† | 117† | 149 | 115 | 125 | 120 | 128† | 111† | 126 | 134† | 144† | 134† | 129 | 143 | 125 | 134 | 147 | 137 | 131 | 135 | 142 | 119 | 143 | 133 |
| 07 | 130 | 116 | 116 | 123 | 116 | 124† | 108 | 138† | 117† | 130 | 129 | 115 | 097 | 126† | 113† | 129 | 131† | 120† | 133† | 142 | 138 | 131 | 132 | 136 | 137 | 144 | 153 | 125 | 143 | 128 | 128 |
| 08 | 157 | 095 | 117 | 126 | 121 | 118† | 113 | 126† | 123† | 122 | 124 | 116 | 129 | 128† | 128† | 130 | 133† | 127† | 148† | 139 | 131 | 127 | 131 | 139 | 127 | 132 | 140 | 132 | 112 | 137 | 117 |
| 09 | 141 | 099 | 128 | 118 | 113 | 118† | 109 | 110† | 113† | 122 | 135 | 129 | 105 | 144† | 133† | 125 | 129† | 128† | 136† | 132 | 148 | 130 | 143 | 141 | 147 | 140 | 146 | 137 | 134 | 131 | 119 |
| 10 | 141 | 097 | 116 | 116 | 129 | 092† | 125 | 123† | 134† | 123 | 127 | 124 | 128 | 141† | 125† | 117 | 126† | 131† | 134† | 140 | 135 | 139 | 137 | 134 | 128 | 143 | 121 | 129 | 136 | 145 | 128 |
| 11 | 146 | 091 | 130 | 121 | 125 | 118† | 111 | 135† | 122† | 123 | 125 | 134 | 131 | 144† | 137† | 122 | 142† | 133† | 130† | 149 | 147 | 147 | 134 | 147 | 134 | 134 | 134 | 132 | 147 | 140 | 126 |
| 12 | 123 | 086 | 117 | 123 | 141 | 104† | 116 | 129† | 121† | 113 | 121 | 112 | 137 | 141† | 124† | 134 | R.F. | 139† | 154 | 137 | 128 | 141 | 126 | 127 | 143 | 139 | R.F. | R.F. | 137 | 139 | 135 |
| 13 | 136 | 074 | 138 | 125 | 121 | 093† | 123 | 126† | 128† | 137 | 120 | 135 | 121 | 113† | 130† | 138 | 138† | 119 | 135 | 125 | 154 | 133 | 139 | 145 | 138 | 141† | 135 | 141 | 120 | 117 | |
| 14 | 140 | 082 | 145 | 125 | R.F. | 128† | 103 | 119† | 106† | 127 | 118 | 123 | 121 | 124† | 118† | 125 | 145† | 145 | 153 | 129 | 143 | 134 | 138 | 146 | 147 | 136† | 125 | 142 | 135 | 142 | |
| 15 | 145 | 073 | 137 | 128 | 138† | 108† | 114 | 116† | 121† | 130 | 104 | 121 | 116 | 144† | 119† | 123 | 126† | 110† | 144 | 142 | 128 | 145 | 142 | 150 | 155 | 149 | 140 | 118 | 139 | 127 | 138 |
| 16 | 135 | 080 | 150 | 118 | 144 | 109† | 111 | 129† | 119† | 126 | 125 | 110 | 138 | 137† | 118† | 128 | 128† | 137† | 145 | 137 | 148 | 131 | 136 | 135 | 145 | 147 | 120 | 143 | 129 | 135 | 140 |
| 17 | 129 | 095 | 125 | 127 | 123 | 120† | 116 | 118† | 121† | 122 | 121 | 123 | 131 | 125† | 130† | 132 | 138† | 139† | 153 | 131 | 141 | 125 | 125 | 133 | 147 | 148 | 120 | 129 | 144 | 130 | 135 |
| 18 | 130 | 079 | 144 | 133 | 135 | 109† | 125 | 116† | 115† | 114 | 131 | 113 | 119 | 131† | 118† | 134 | 141† | 117† | 141 | 133 | 144 | 141 | 134 | 137 | 141 | 165 | 127 | 137 | 146 | 155 | 131 |
| 19 | 108 | 093 | 124 | 116 | 118 | 107† | 121 | 131† | 115† | 120 | 107 | 139 | 119 | 145† | 125† | 136 | 124† | 130† | 137 | 142 | 150 | 147 | 146 | 149 | 162 | 151 | 123 | 133 | 144 | 137 | |
| 20 | 104 | 081 | 121 | 127 | 117 | 115† | 114 | 137† | 120† | 133 | 120 | 120 | 130 | 128† | 107† | 139 | 122† | 126† | 148 | 143 | 135 | 149 | 129 | 145 | 162 | 149 | 141 | 128 | 147 | 130 | 141 |
| 21 | 091 | 090 | 123 | 119 | 119 | 093† | 120 | 128† | 123† | 118 | 116 | 113 | 125 | 147† | 139† | 140 | 117† | 129† | 143 | 151 | 144 | 147 | 142 | 139 | 145 | 152 | 119 | 133 | 139 | 142 | 129 |
| 22 | 092 | 116 | 133 | 130 | 127 | 116† | 108 | 099† | 116† | 135 | 107 | 127 | 124 | 114† | 111† | 139 | 132† | 149† | 140 | 135 | 147 | 127 | 151 | 121 | 140 | 152 | 125 | 141 | 127 | 135 | 139 |
| 23 | 101 | 113 | 122 | 124 | 120 | 096† | 122 | 115† | 122† | 116 | 132 | 119 | 123 | 136† | 128† | 144 | 146† | 133† | 133 | 145 | 130 | 141 | 135 | 143 | 142 | 141 | 134 | 125 | 138 | 136 | 135 |
| 24 | 102 | 105 | 129 | 132 | 131 | 103† | 121 | 140† | 125† | 137 | 114 | 111 | 120 | 143† | 109† | 126 | 135† | 145† | 137 | 143 | 144 | 134 | 138 | 136 | 147 | 151 | 124 | 125 | 121 | 141 | R.F. |
| Total | 27013 | 26277 | 27079 | 26988 | 26702 | 26745 | 26920 | 26865 | 27011 | 26921 | 26934 | 26925 | 27142 | 26943 | 27139 | 27160 | 27352 | 27340 | 27321 | 27313 | 27287 | 27311 | 27424 | 27420 | 27444 | 27426 | 27444 | 27226 | 27244 | 27226 | |
| Daily Mean | 1125.5 | 1094.9 | 1124.5 | 1112.6 | 1114.4 | 1119.4 | 1121.7 | 1119.4 | 1125.5 | 1121.7 | 1121.9 | 1122.3 | 1123.9 | 1130.9 | 1122.6 | 1130.8 | 1131.7 | 1139.7 | 1139.2 | 1138.4 | 1138.0 | 1137.0 | 1138.0 | 1142.7 | 1142.5 | 1135.2 | 1134.4 | 1135.2 | 1134.4 | 1135.2 | |

RF Recording failure. † Estimated from two sections. N.B.—1000 is subtracted from all tabulated figures equal to or greater than 1000.

TABLE 73

TABLULATED Mean Hourly Pressure
(Units 0.1 Millibar) - 9400

STATION LEVEL BAROMETRIC PRESSURE

Station Mawson

Year 1961

Month January

| Hour GMT | 01 | 02 | 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 |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 01 | 446 | 438 | 467 | 530 | 481 | 493 | 531 | 478 | 495 | 504 | 380 | 402 | 428 | 445 | 447 | 438 | 444 | 437 | 532 | 519 | 568 | 533 | 486 | 412 | 369 | 411 | 420 | 334 | 396 | 598 | 469 |
| 02 | 446 | 436 | 469 | 532 | 481 | 496 | 526 | 474 | 499 | 497 | 379 | 404 | 432 | 444 | 445 | 436 | 447 | 540 | 528 | 521 | 569 | 531 | 484 | 403 | 373 | 413 | 419 | 330 | 404 | 604 | 467 |
| 03 | 443 | 434 | 470 | 533 | 478 | 498 | 524 | 472 | 500 | 488 | 380 | 403 | 432 | 444 | 443 | 434 | 446 | 540 | 523 | 523 | 567 | 529 | 480 | 399 | 373 | 416 | 416 | 327 | 410 | 609 | 445 |
| 04 | 443 | 431 | 472 | 534 | 473 | 500 | 523 | 467 | 505 | 476 | 372 | 403 | 430 | 441 | 442 | 432 | 447 | 540 | 519 | 524 | 563 | 525 | 476 | 397 | 374 | 418 | 411 | 322 | 419 | 613 | 429 |
| 05 | 443 | 430 | 473 | 534 | 472 | 503 | 524 | 465 | 505 | 473 | 366 | 402 | 435 | 441 | 443 | 432 | 448 | 542 | 518 | 524 | 564 | 522 | 477 | 395 | 374 | 420 | 409 | 318 | 427 | 614 | 416 |
| 06 | 443 | 427 | 477 | 536 | 469 | 507 | 525 | 463 | 507 | 470 | 373 | 403 | 442 | 441 | 445 | 431 | 451 | 542 | 516 | 530 | 562 | 520 | 477 | 394 | 375 | 422 | 404 | 317 | 442 | 616 | 409 |
| 07 | 443 | 428 | 480 | 535 | 468 | 510 | 521 | 463 | 512 | 462 | 375 | 405 | 445 | 442 | 445 | 431 | 454 | 543 | 515 | 535 | 561 | 517 | 477 | 388 | 379 | 425 | 402 | 315 | 451 | 619 | 402 |
| 08 | 443 | 430 | 484 | 534 | 469 | 514 | 522 | 464 | 515 | 453 | 375 | 404 | 449 | 441 | 445 | 429 | 460 | 543 | 514 | 539 | 562 | 514 | 475 | 383 | 380 | 425 | 399 | 312 | 460 | 620 | 398 |
| 09 | 446 | 432 | 489 | 533 | 471 | 519 | 523 | 466 | 519 | 445 | 375 | 402 | 451 | 439 | 445 | 425 | 467 | 542 | 517 | 542 | 564 | 509 | 476 | 382 | 378 | 426 | 395 | 312 | 472 | 620 | 399 |
| 10 | 447 | 435 | 490 | 533 | 471 | 521 | 523 | 467 | 519 | 435 | 375 | 402 | 454 | 438 | 445 | 425 | 470 | 538 | 519 | 541 | 562 | 504 | 474 | 381 | 376 | 427 | 392 | 313 | 482 | 617 | 396 |
| 11 | 445 | 439 | 493 | 532 | 471 | 522 | 522 | 468 | 519 | 429 | 381 | 402 | 438 | 439 | 445 | 425 | 473 | 537 | 519 | 542 | 561 | 501 | 468 | 380 | 374 | 428 | 390 | 314 | 491 | 615 | 391 |
| 12 | 444 | 441 | 494 | 530 | 471 | 521 | 519 | 470 | 520 | 422 | 385 | 407 | 439 | 440 | 444 | 425 | 477 | 534 | 517 | 542 | 557 | 497 | 464 | 375 | 374 | 429 | 387 | 315 | 501 | 609 | 386 |
| 13 | 444 | 445 | 498 | 529 | 470 | 522 | 515 | 470 | 521 | 414 | 390 | 409 | 461 | 440 | 445 | 424 | 484 | 534 | 516 | 545 | 554 | 494 | 465 | 372 | 376 | 429 | 382 | 316 | 509 | 603 | 382 |
| 14 | 443 | 447 | 500 | 528 | 469 | 523 | 513 | 472 | 521 | 408 | 389 | 411 | 459 | 441 | 444 | 422 | 491 | 538 | 515 | 546 | 553 | 492 | 463 | 367 | 377 | 428 | 378 | 316 | 516 | 595 | 379 |
| 15 | 443 | 448 | 500 | 524 | 468 | 524 | 508 | 472 | 522 | 403 | 394 | 410 | 460 | 442 | 443 | 421 | 495 | 540 | 516 | 547 | 552 | 490 | 460 | 366 | 380 | 429 | 371 | 319 | 525 | 588 | 382 |
| 16 | 443 | 448 | 502 | 519 | 468 | 523 | 505 | 475 | 525 | 400 | 396 | 410 | 458 | 441 | 441 | 420 | 501 | 541 | 515 | 547 | 551 | 490 | 457 | 361 | 383 | 428 | 365 | 324 | 539 | 579 | 387 |
| 17 | 443 | 447 | 502 | 513 | 470 | 523 | 504 | 478 | 527 | 397 | 395 | 412 | 455 | 442 | 440 | 421 | 507 | 540 | 515 | 547 | 548 | 490 | 454 | 355 | 386 | 427 | 361 | 327 | 547 | 570 | 391 |
| 18 | 445 | 448 | 504 | 507 | 473 | 528 | 503 | 480 | 526 | 393 | 398 | 414 | 452 | 439 | 439 | 422 | 512 | 540 | 515 | 549 | 546 | 490 | 449 | 354 | 385 | 428 | 359 | 334 | 556 | 561 | 398 |
| 19 | 445 | 452 | 504 | 504 | 475 | 531 | 495 | 481 | 525 | 392 | 399 | 417 | 450 | 441 | 439 | 426 | 518 | 537 | 517 | 553 | 546 | 490 | 446 | 356 | 387 | 429 | 355 | 343 | 564 | 552 | 400 |
| 20 | 441 | 454 | 507 | 502 | 478 | 533 | 495 | 483 | 525 | 393 | 401 | 422 | 449 | 446 | 439 | 429 | 522 | 535 | 520 | 553 | 546 | 489 | 443 | 356 | 390 | 429 | 353 | 355 | 570 | 537 | 398 |
| 21 | 438 | 456 | 510 | 500 | 480 | 535 | 493 | 486 | 520 | 392 | 401 | 421 | 449 | 446 | 439 | 431 | 528 | 531 | 521 | 556 | 543 | 489 | 436 | 359 | 397 | 427 | 351 | 358 | 575 | 523 | 406 |
| 22 | 436 | 462 | 511 | 494 | 485 | 535 | 491 | 487 | 517 | 390 | 401 | 421 | 448 | 446 | 439 | 436 | 529 | 530 | 520 | 559 | 541 | 489 | 431 | 358 | 402 | 423 | 347 | 370 | 580 | 510 | 410 |
| 23 | 435 | 464 | 516 | 490 | 488 | 535 | 484 | 489 | 514 | 388 | 398 | 423 | 446 | 446 | 439 | 441 | 532 | 533 | 519 | 561 | 539 | 489 | 424 | 360 | 404 | 422 | 343 | 379 | 586 | 497 | 417 |
| 24 | 436 | 466 | 524 | 483 | 490 | 534 | 482 | 492 | 510 | 385 | 398 | 424 | 445 | 447 | 439 | 442 | 536 | 533 | 518 | 563 | 538 | 489 | 420 | 363 | 407 | 420 | 340 | 388 | 591 | 484 | 421 |
| Total | 10624 | 10638 | 11836 | 12489 | 11389 | 12450 | 12275 | 11382 | 12368 | 10309 | 9276 | 9833 | 10747 | 10612 | 10620 | 10298 | 11639 | 12910 | 12444 | 13008 | 13317 | 12083 | 11062 | 9016 | 9173 | 10179 | 9149 | 7958 | 12013 | 13953 | 9778 |
| Daily Mean | 442.7 | 443.3 | 493.2 | 520.4 | 474.5 | 518.7 | 511.5 | 474.3 | 515.3 | 429.5 | 386.5 | 409.7 | 447.8 | 442.2 | 442.5 | 429.1 | 485.0 | 537.9 | 518.5 | 542.0 | 551.9 | 503.5 | 460.9 | 375.7 | 382.2 | 424.1 | 381.2 | 331.6 | 500.5 | 581.4 | 407.4 |

STATION LEVEL BAROMETRIC PRESSURE
Station *Mawson*

TABLE 74
TABULATED Mean Hourly Pressure
(Units 0.1 Millibar) — 9400

Year 1961
Month February

| Date Hour GMT | Year 1961 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 01 | 02 | 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 |
| 01 | 430 | 443 | 489 | 564 | 496 | 505 | 495 | 518 | 544 | 559 | 534 | 530 | 529 | 520 | 503 | 441 | 491 | 412 | 369 | 373 | 358 | 395 | 643 | 554 | 584 | 509 | 367 | 443 |
| 02 | 437 | 442 | 493 | 565 | 493 | 505 | 501 | 519 | 546 | 554 | 533 | 532 | 530 | 519 | 503 | 428 | 491 | 401 | 360 | 372 | 368 | 404 | 645 | 548 | 590 | 505 | 363 | 442 |
| 03 | 443 | 438 | 497 | 564 | 492 | 500 | 503 | 520 | 549 | 551 | 532 | 532 | 527 | 517 | 502 | 427 | 492 | 386 | 357 | 376 | 381 | 421 | 647 | 543 | 591 | 491 | 357 | 441 |
| 04 | 448 | 438 | 497 | 560 | 488 | 501 | 503 | 521 | 550 | 548 | 531 | 532 | 526 | 515 | 504 | 422 | 492 | 360 | 363 | 374 | 402 | 443 | 648 | 541 | 593 | 468 | 349 | 442 |
| 05 | 456 | 440 | 498 | 559 | 486 | 501 | 503 | 521 | 549 | 550 | 526 | 529 | 525 | 510 | 500 | 396 | 492 | 346 | 367 | 370 | 416 | 462 | 642 | 534 | 590 | 457 | 344 | 443 |
| 06 | 461 | 447 | 500 | 557 | 483 | 500 | 502 | 521 | 549 | 554 | 524 | 528 | 524 | 510 | 495 | 388 | 498 | 334 | 370 | 369 | 425 | 474 | 643 | 533 | 593 | 455 | 340 | 444 |
| 07 | 465 | 447 | 504 | 555 | 482 | 506 | 501 | 523 | 549 | 549 | 523 | 527 | 524 | 510 | 489 | 389 | 499 | 328 | 371 | 367 | 428 | 484 | 644 | 536 | 597 | 448 | 346 | 447 |
| 08 | 470 | 449 | 506 | 554 | 481 | 507 | 503 | 522 | 549 | 544 | 523 | 528 | 523 | 509 | 482 | 383 | 500 | 315 | 364 | 368 | 428 | 498 | 645 | 536 | 599 | 438 | 355 | 449 |
| 09 | 478 | 451 | 512 | 549 | 482 | 506 | 501 | 525 | 548 | 543 | 525 | 528 | 522 | 509 | 479 | 383 | 500 | 312 | 365 | 362 | 425 | 510 | 646 | 538 | 601 | 432 | 366 | 451 |
| 10 | 482 | 455 | 516 | 549 | 482 | 500 | 502 | 525 | 548 | 543 | 524 | 527 | 524 | 508 | 476 | 381 | 500 | 313 | 368 | 363 | 420 | 524 | 646 | 540 | 599 | 420 | 374 | 451 |
| 11 | 483 | 458 | 521 | 549 | 482 | 504 | 504 | 525 | 544 | 544 | 523 | 528 | 527 | 507 | 478 | 383 | 501 | 320 | 369 | 367 | 418 | 539 | 643 | 542 | 597 | 412 | 379 | 450 |
| 12 | 482 | 461 | 530 | 548 | 481 | 501 | 505 | 527 | 544 | 543 | 522 | 529 | 528 | 505 | 477 | 389 | 501 | 320 | 363 | 357 | 410 | 551 | 641 | 545 | 594 | 405 | 384 | 448 |
| 13 | 481 | 462 | 535 | 543 | 478 | 497 | 506 | 529 | 547 | 542 | 523 | 528 | 527 | 508 | 475 | 396 | 502 | 324 | 363 | 348 | 395 | 559 | 640 | 545 | 583 | 402 | 391 | 447 |
| 14 | 481 | 462 | 539 | 539 | 477 | 491 | 506 | 531 | 546 | 539 | 522 | 527 | 525 | 506 | 474 | 409 | 500 | 342 | 363 | 346 | 390 | 571 | 635 | 547 | 578 | 399 | 399 | 446 |
| 15 | 477 | 460 | 542 | 534 | 482 | 489 | 509 | 533 | 547 | 540 | 522 | 526 | 523 | 502 | 473 | 420 | 498 | 354 | 360 | 349 | 388 | 579 | 628 | 549 | 574 | 399 | 406 | 444 |
| 16 | 473 | 462 | 541 | 529 | 483 | 484 | 511 | 535 | 549 | 537 | 523 | 527 | 522 | 501 | 479 | 430 | 492 | 361 | 357 | 333 | 382 | 590 | 624 | 550 | 579 | 394 | 412 | 444 |
| 17 | 472 | 462 | 544 | 525 | 484 | 481 | 512 | 536 | 553 | 535 | 524 | 528 | 521 | 504 | 483 | 436 | 483 | 376 | 363 | 332 | 376 | 600 | 623 | 551 | 565 | 391 | 416 | 447 |
| 18 | 471 | 462 | 550 | 522 | 487 | 480 | 514 | 537 | 556 | 535 | 524 | 529 | 520 | 504 | 488 | 444 | 476 | 370 | 359 | 327 | 365 | 609 | 619 | 549 | 586 | 385 | 422 | 449 |
| 19 | 469 | 468 | 553 | 519 | 492 | 474 | 517 | 537 | 559 | 536 | 525 | 529 | 522 | 508 | 486 | 454 | 477 | 371 | 360 | 317 | 365 | 613 | 612 | 554 | 575 | 384 | 428 | 451 |
| 20 | 465 | 472 | 556 | 519 | 495 | 464 | 517 | 536 | 559 | 537 | 526 | 530 | 523 | 512 | 484 | 463 | 477 | 364 | 366 | 325 | 369 | 620 | 603 | 559 | 562 | 382 | 436 | 452 |
| 21 | 457 | 480 | 560 | 516 | 502 | 456 | 517 | 534 | 558 | 535 | 527 | 530 | 522 | 511 | 483 | 473 | 470 | 362 | 369 | 312 | 370 | 625 | 597 | 560 | 545 | 380 | 444 | 454 |
| 22 | 452 | 481 | 562 | 510 | 503 | 464 | 513 | 535 | 559 | 535 | 528 | 530 | 523 | 506 | 479 | 477 | 467 | 362 | 369 | 324 | 370 | 631 | 587 | 568 | 534 | 375 | 445 | 453 |
| 23 | 448 | 481 | 563 | 506 | 506 | 469 | 513 | 537 | 560 | 537 | 528 | 529 | 525 | 506 | 469 | 482 | 446 | 361 | 372 | 342 | 375 | 633 | 570 | 573 | 528 | 373 | 445 | 453 |
| 24 | 445 | 483 | 565 | 503 | 504 | 484 | 515 | 542 | 562 | 536 | 529 | 529 | 524 | 504 | 453 | 482 | 428 | 364 | 372 | 352 | 385 | 638 | 559 | 578 | 516 | 370 | 445 | 457 |
| Total | 11126 | 11004 | 12673 | 12938 | 11721 | 11770 | 12173 | 12689 | 13224 | 13026 | 12621 | 12692 | 12586 | 12211 | 11614 | 10176 | 11673 | 8458 | 8759 | 8425 | 9409 | 12973 | 15030 | 13173 | 13873 | 10074 | 9413 | 10748 |
| Daily Mean | 463.6 | 458.5 | 528.0 | 539.1 | 488.4 | 490.4 | 507.2 | 528.7 | 551.0 | 542.7 | 525.9 | 528.8 | 524.4 | 508.8 | 483.9 | 424.0 | 486.4 | 352.4 | 365.0 | 351.0 | 392.0 | 540.5 | 626.3 | 548.9 | 578.0 | 419.7 | 392.2 | 447.8 |

STATION LEVEL BAROMETRIC PRESSURE

Station *Mawson*

Year *1961*

Month *March*

TABULATED Mean Hourly Pressure
(Units 0.1 Millibar) — 9400

| Date Hour GMT | 01 | 02 | 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 |
|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 01 | 459 | 549 | 433 | 414 | 535 | 565 | 421 | 412 | 424 | 392 | 311 | 402 | 498 | 500 | 548 | 618 | 409 | 346 | 498 | 396 | 379 | 388 | 397 | 503 | 550 | 514 | 476 | 425 | 298 | 319 | 441 |
| 02 | 461 | 551 | 425 | 417 | 540 | 560 | 421 | 413 | 424 | 385 | 314 | 410 | 499 | 500 | 551 | 616 | 403 | 345 | 502 | 393 | 375 | 387 | 401 | 506 | 552 | 512 | 476 | 423 | 295 | 331 | 441 |
| 03 | 465 | 551 | 424 | 420 | 544 | 553 | 421 | 412 | 424 | 378 | 316 | 416 | 500 | 500 | 549 | 613 | 389 | 342 | 510 | 394 | 372 | 389 | 405 | 511 | 551 | 511 | 476 | 422 | 289 | 340 | 442 |
| 04 | 471 | 548 | 416 | 422 | 549 | 550 | 416 | 407 | 424 | 375 | 315 | 422 | 500 | 497 | 552 | 610 | 386 | 343 | 516 | 395 | 371 | 389 | 410 | 516 | 549 | 512 | 474 | 418 | 277 | 340 | 441 |
| 05 | 472 | 536 | 424 | 423 | 553 | 546 | 416 | 407 | 424 | 369 | 315 | 422 | 500 | 497 | 552 | 610 | 377 | 347 | 516 | 396 | 371 | 381 | 415 | 522 | 548 | 512 | 470 | 416 | 277 | 340 | 441 |
| 06 | 483 | 532 | 416 | 428 | 554 | 539 | 413 | 413 | 422 | 363 | 319 | 429 | 501 | 501 | 559 | 595 | 368 | 359 | 515 | 401 | 366 | 387 | 420 | 521 | 550 | 496 | 470 | 413 | 269 | 342 | 438 |
| 07 | 487 | 531 | 412 | 433 | 557 | 534 | 412 | 413 | 420 | 356 | 322 | 434 | 501 | 499 | 564 | 587 | 359 | 364 | 514 | 402 | 366 | 389 | 426 | 522 | 547 | 492 | 467 | 409 | 267 | 346 | 437 |
| 08 | 491 | 530 | 389 | 437 | 558 | 528 | 411 | 411 | 417 | 349 | 326 | 439 | 499 | 501 | 569 | 581 | 354 | 367 | 508 | 406 | 368 | 393 | 432 | 527 | 545 | 487 | 468 | 404 | 265 | 353 | 436 |
| 09 | 498 | 527 | 382 | 442 | 560 | 523 | 408 | 410 | 415 | 345 | 329 | 443 | 497 | 500 | 574 | 573 | 350 | 368 | 502 | 413 | 373 | 399 | 438 | 532 | 545 | 482 | 466 | 401 | 268 | 362 | 435 |
| 10 | 504 | 522 | 382 | 445 | 563 | 516 | 407 | 411 | 413 | 340 | 333 | 448 | 496 | 502 | 577 | 563 | 350 | 370 | 493 | 416 | 374 | 401 | 440 | 536 | 545 | 478 | 465 | 396 | 267 | 368 | 433 |
| 11 | 509 | 517 | 384 | 452 | 564 | 510 | 408 | 414 | 413 | 336 | 335 | 451 | 496 | 506 | 579 | 554 | 352 | 375 | 486 | 417 | 374 | 404 | 444 | 540 | 544 | 476 | 463 | 389 | 265 | 375 | 430 |
| 12 | 517 | 510 | 386 | 460 | 566 | 501 | 406 | 418 | 415 | 330 | 338 | 455 | 496 | 510 | 581 | 546 | 353 | 388 | 479 | 415 | 376 | 404 | 446 | 546 | 545 | 478 | 463 | 383 | 258 | 379 | 430 |
| 13 | 523 | 501 | 382 | 469 | 567 | 493 | 405 | 419 | 413 | 326 | 340 | 459 | 498 | 515 | 588 | 539 | 354 | 399 | 472 | 415 | 379 | 403 | 455 | 550 | 544 | 481 | 462 | 372 | 244 | 383 | 430 |
| 14 | 529 | 490 | 384 | 476 | 568 | 487 | 405 | 421 | 413 | 323 | 344 | 463 | 500 | 516 | 594 | 528 | 355 | 411 | 468 | 417 | 380 | 401 | 465 | 552 | 543 | 482 | 462 | 371 | 236 | 391 | 427 |
| 15 | 537 | 485 | 390 | 484 | 572 | 481 | 405 | 423 | 413 | 319 | 348 | 467 | 504 | 519 | 605 | 512 | 363 | 428 | 465 | 421 | 380 | 399 | 465 | 552 | 536 | 483 | 460 | 368 | 224 | 392 | 426 |
| 16 | 540 | 479 | 397 | 489 | 574 | 476 | 406 | 426 | 410 | 316 | 352 | 469 | 505 | 521 | 605 | 495 | 363 | 442 | 456 | 421 | 385 | 396 | 471 | 553 | 533 | 482 | 456 | 359 | 231 | 397 | 425 |
| 17 | 541 | 475 | 400 | 496 | 572 | 470 | 405 | 428 | 409 | 310 | 355 | 473 | 504 | 522 | 604 | 486 | 361 | 453 | 447 | 421 | 389 | 395 | 479 | 553 | 533 | 479 | 455 | 353 | 234 | 407 | 426 |
| 18 | 542 | 472 | 399 | 502 | 572 | 465 | 406 | 429 | 405 | 304 | 360 | 478 | 501 | 521 | 605 | 486 | 360 | 465 | 438 | 418 | 390 | 393 | 482 | 554 | 525 | 476 | 449 | 345 | 228 | 408 | 426 |
| 19 | 548 | 468 | 397 | 504 | 574 | 457 | 410 | 428 | 403 | 301 | 366 | 484 | 500 | 525 | 613 | 472 | 362 | 472 | 427 | 411 | 392 | 393 | 485 | 554 | 523 | 477 | 446 | 336 | 226 | 413 | 431 |
| 20 | 549 | 459 | 397 | 511 | 573 | 450 | 409 | 427 | 401 | 301 | 369 | 488 | 508 | 530 | 618 | 463 | 361 | 479 | 422 | 405 | 394 | 393 | 487 | 555 | 520 | 476 | 443 | 330 | 233 | 417 | 430 |
| 21 | 551 | 451 | 398 | 518 | 573 | 440 | 409 | 426 | 400 | 301 | 377 | 493 | 502 | 534 | 619 | 455 | 363 | 484 | 419 | 401 | 394 | 393 | 491 | 551 | 518 | 477 | 442 | 322 | 245 | 425 | 427 |
| 22 | 553 | 445 | 401 | 524 | 572 | 432 | 409 | 425 | 398 | 303 | 382 | 496 | 504 | 539 | 618 | 445 | 364 | 492 | 413 | 393 | 397 | 394 | 495 | 547 | 516 | 477 | 438 | 315 | 262 | 432 | 429 |
| 23 | 552 | 446 | 404 | 527 | 570 | 425 | 410 | 425 | 397 | 305 | 390 | 495 | 505 | 539 | 617 | 435 | 350 | 498 | 407 | 388 | 397 | 395 | 496 | 548 | 515 | 476 | 434 | 312 | 285 | 439 | 431 |
| 24 | 549 | 440 | 409 | 530 | 567 | 420 | 411 | 424 | 394 | 308 | 395 | 496 | 501 | 542 | 615 | 417 | 341 | 498 | 400 | 381 | 392 | 395 | 499 | 550 | 515 | 476 | 428 | 305 | 302 | 439 | 431 |
| Total | 12331 | 12015 | 9631 | 11223 | 13497 | 11921 | 9850 | 10042 | 9891 | 8035 | 8251 | 10932 | 12007 | 12336 | 14056 | 12799 | 8747 | 9835 | 11273 | 9736 | 9134 | 9461 | 10844 | 12901 | 12892 | 11692 | 11009 | 8987 | 6245 | 9138 | 10364 |
| Daily Mean | 513.8 | 500.6 | 401.3 | 467.6 | 562.4 | 496.7 | 410.4 | 418.4 | 412.1 | 334.8 | 343.8 | 455.5 | 500.3 | 514.0 | 585.7 | 533.3 | 364.5 | 409.8 | 469.7 | 405.7 | 380.6 | 394.2 | 451.8 | 537.5 | 537.2 | 487.2 | 458.7 | 374.5 | 260.2 | 380.7 | 432.7 |

STATION LEVEL BAROMETRIC PRESSURE

Station Mawson

Year 1961

Month April

TABULATED Mean Hourly Pressure
(Units 0.1 Millibar) - 9400

TABLE 76

| Date Hour GMT | 01 | 02 | 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 |
|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 01 | 430 | 406 | 497 | 476 | 392 | 378 | 452 | 473 | 525 | 604 | 602 | 544 | 493 | 468 | 492 | 515 | 632 | 652 | 555 | 497 | 429 | 492 | 519 | 407 | 314 | 379 | 448 | 450 | 433 | 501 |
| 02 | 430 | 408 | 497 | 466 | 395 | 381 | 455 | 472 | 529 | 606 | 602 | 543 | 493 | 469 | 493 | 516 | 639 | 645 | 549 | 496 | 425 | 497 | 512 | 404 | 310 | 381 | 447 | 449 | 435 | 505 |
| 03 | 424 | 413 | 502 | 454 | 396 | 384 | 455 | 471 | 532 | 605 | 600 | 544 | 491 | 470 | 494 | 517 | 646 | 642 | 545 | 495 | 421 | 506 | 507 | 399 | 311 | 381 | 451 | 449 | 438 | 504 |
| 04 | 423 | 417 | 509 | 442 | 394 | 385 | 455 | 470 | 537 | 610 | 598 | 540 | 483 | 471 | 492 | 520 | 648 | 637 | 537 | 495 | 413 | 512 | 501 | 396 | 310 | 385 | 452 | 447 | 442 | 503 |
| 05 | 422 | 418 | 510 | 437 | 392 | 388 | 460 | 469 | 541 | 606 | 595 | 539 | 483 | 472 | 490 | 523 | 650 | 633 | 534 | 491 | 411 | 518 | 501 | 397 | 311 | 386 | 453 | 446 | 444 | 503 |
| 06 | 416 | 427 | 518 | 434 | 398 | 393 | 464 | 475 | 548 | 608 | 591 | 536 | 481 | 477 | 489 | 528 | 657 | 628 | 531 | 491 | 408 | 529 | 500 | 398 | 309 | 392 | 454 | 446 | 447 | 506 |
| 07 | 417 | 422 | 524 | 427 | 399 | 395 | 465 | 473 | 557 | 609 | 591 | 532 | 475 | 478 | 490 | 534 | 661 | 625 | 526 | 490 | 408 | 535 | 498 | 387 | 310 | 397 | 455 | 442 | 448 | 505 |
| 08 | 418 | 423 | 532 | 421 | 400 | 398 | 465 | 472 | 564 | 609 | 590 | 532 | 477 | 479 | 494 | 540 | 663 | 623 | 518 | 491 | 405 | 543 | 491 | 373 | 310 | 399 | 455 | 444 | 450 | 505 |
| 09 | 418 | 425 | 537 | 418 | 398 | 402 | 469 | 476 | 569 | 606 | 586 | 530 | 471 | 482 | 492 | 544 | 667 | 618 | 513 | 488 | 405 | 548 | 483 | 369 | 312 | 401 | 455 | 445 | 450 | 502 |
| 10 | 417 | 433 | 541 | 410 | 396 | 409 | 471 | 480 | 571 | 601 | 578 | 528 | 469 | 485 | 492 | 547 | 670 | 613 | 511 | 482 | 405 | 550 | 477 | 368 | 314 | 403 | 457 | 441 | 452 | 499 |
| 11 | 415 | 435 | 543 | 404 | 389 | 411 | 471 | 482 | 574 | 607 | 571 | 528 | 470 | 486 | 489 | 550 | 674 | 611 | 509 | 481 | 405 | 554 | 472 | 369 | 313 | 405 | 459 | 439 | 452 | 496 |
| 12 | 400 | 442 | 544 | 405 | 386 | 412 | 468 | 483 | 577 | 608 | 565 | 528 | 470 | 486 | 489 | 556 | 677 | 607 | 504 | 480 | 408 | 557 | 467 | 364 | 317 | 411 | 458 | 437 | 456 | 494 |
| 13 | 390 | 443 | 545 | 402 | 382 | 417 | 470 | 487 | 582 | 610 | 566 | 521 | 469 | 488 | 489 | 562 | 679 | 603 | 504 | 479 | 412 | 558 | 462 | 362 | 320 | 412 | 458 | 437 | 460 | 490 |
| 14 | 390 | 449 | 545 | 399 | 380 | 421 | 470 | 493 | 587 | 613 | 568 | 520 | 470 | 489 | 490 | 568 | 680 | 602 | 500 | 472 | 416 | 557 | 456 | 359 | 323 | 415 | 460 | 439 | 463 | 488 |
| 15 | 383 | 444 | 544 | 400 | 380 | 425 | 474 | 497 | 594 | 611 | 568 | 518 | 467 | 490 | 490 | 579 | 682 | 602 | 499 | 467 | 420 | 559 | 453 | 351 | 325 | 422 | 460 | 440 | 467 | 486 |
| 16 | 383 | 446 | 542 | 397 | 377 | 431 | 478 | 496 | 596 | 608 | 564 | 521 | 469 | 487 | 489 | 588 | 684 | 600 | 499 | 462 | 422 | 562 | 452 | 345 | 330 | 423 | 459 | 438 | 469 | 481 |
| 17 | 393 | 453 | 540 | 397 | 373 | 432 | 477 | 499 | 596 | 605 | 563 | 515 | 468 | 487 | 489 | 588 | 684 | 600 | 502 | 460 | 426 | 563 | 448 | 340 | 336 | 426 | 456 | 436 | 472 | 478 |
| 18 | 397 | 462 | 541 | 393 | 374 | 434 | 478 | 502 | 597 | 606 | 559 | 513 | 470 | 486 | 489 | 599 | 680 | 594 | 502 | 458 | 430 | 557 | 443 | 334 | 339 | 426 | 451 | 433 | 479 | 476 |
| 19 | 401 | 467 | 543 | 395 | 376 | 440 | 480 | 506 | 599 | 604 | 556 | 514 | 472 | 493 | 492 | 606 | 679 | 586 | 501 | 453 | 441 | 555 | 434 | 335 | 345 | 433 | 452 | 433 | 480 | 472 |
| 20 | 404 | 472 | 535 | 397 | 375 | 443 | 481 | 509 | 600 | 604 | 556 | 507 | 472 | 494 | 491 | 610 | 677 | 585 | 500 | 446 | 449 | 553 | 433 | 333 | 351 | 433 | 453 | 434 | 485 | 472 |
| 21 | 406 | 473 | 531 | 397 | 376 | 444 | 481 | 514 | 600 | 605 | 555 | 500 | 474 | 494 | 493 | 617 | 674 | 576 | 499 | 442 | 459 | 546 | 426 | 330 | 355 | 435 | 454 | 434 | 487 | 465 |
| 22 | 406 | 479 | 520 | 397 | 376 | 449 | 478 | 517 | 600 | 607 | 554 | 500 | 474 | 486 | 502 | 621 | 668 | 571 | 497 | 437 | 468 | 540 | 424 | 322 | 362 | 440 | 451 | 431 | 491 | 465 |
| 23 | 405 | 485 | 500 | 396 | 376 | 452 | 476 | 516 | 600 | 605 | 550 | 496 | 471 | 484 | 507 | 623 | 666 | 566 | 497 | 435 | 478 | 534 | 419 | 320 | 367 | 442 | 450 | 430 | 495 | 460 |
| 24 | 403 | 492 | 487 | 394 | 378 | 452 | 474 | 519 | 600 | 603 | 548 | 491 | 469 | 489 | 512 | 631 | 660 | 559 | 497 | 431 | 482 | 528 | 415 | 316 | 374 | 443 | 448 | 431 | 496 | 453 |
| Total | 9791 | 10634 | 12627 | 9958 | 9258 | 9976 | 11267 | 11751 | 13775 | 14560 | 13776 | 12540 | 11401 | 11590 | 11828 | 13587 | 15995 | 14578 | 12329 | 11319 | 10246 | 12953 | 11193 | 8678 | 7868 | 9870 | 10896 | 10551 | 11091 | 11709 |
| Daily Mean | 408.0 | 443.1 | 526.1 | 414.9 | 385.7 | 415.7 | 469.5 | 489.6 | 573.9 | 606.7 | 574.0 | 521.5 | 475.0 | 482.9 | 492.8 | 566.1 | 666.5 | 607.4 | 513.7 | 471.6 | 426.9 | 539.7 | 466.4 | 361.6 | 327.8 | 411.3 | 454.0 | 439.6 | 462.1 | 487.9 |

STATION LEVEL BAROMETRIC PRESSURE

Station *Mawson*

Year 1961

Month *May*

TABULATED Mean Hourly Pressure
(Units 0.1 Millibar) — 9400

TABLE 77

| Date Hour GMT | Month <i>May</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 01 | 02 | 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 |
| 01 | 449 | 449 | 361 | 334 | 400 | 353 | 385 | 399 | 325 | 395 | 497 | 453 | 443 | 515 | 370 | 438 | 447 | 464 | 485 | 492 | 446 | 435 | 534 | 616 | 532 | 523 | 617 | 627 | 593 | 532 | 528 |
| 02 | 443 | 449 | 352 | 339 | 396 | 358 | 385 | 394 | 322 | 398 | 502 | 451 | 444 | 519 | 373 | 441 | 443 | 471 | 482 | 497 | 448 | 438 | 536 | 614 | 530 | 526 | 621 | 626 | 590 | 528 | 527 |
| 03 | 440 | 449 | 343 | 347 | 395 | 365 | 380 | 387 | 324 | 398 | 504 | 448 | 450 | 512 | 371 | 443 | 432 | 474 | 475 | 501 | 450 | 440 | 539 | 614 | 530 | 528 | 623 | 619 | 592 | 521 | 528 |
| 04 | 439 | 443 | 336 | 355 | 387 | 369 | 376 | 383 | 325 | 402 | 503 | 447 | 451 | 501 | 365 | 447 | 436 | 475 | 470 | 508 | 458 | 443 | 542 | 617 | 527 | 534 | 624 | 611 | 590 | 502 | 530 |
| 05 | 439 | 441 | 332 | 361 | 379 | 375 | 376 | 381 | 325 | 404 | 501 | 446 | 448 | 495 | 367 | 449 | 435 | 477 | 461 | 508 | 456 | 449 | 549 | 616 | 519 | 539 | 629 | 610 | 594 | 496 | 531 |
| 06 | 435 | 441 | 330 | 373 | 374 | 378 | 380 | 383 | 329 | 407 | 500 | 448 | 449 | 492 | 372 | 451 | 437 | 477 | 459 | 512 | 456 | 449 | 556 | 617 | 515 | 540 | 633 | 608 | 598 | 492 | 534 |
| 07 | 432 | 433 | 323 | 374 | 368 | 378 | 381 | 384 | 336 | 405 | 500 | 446 | 452 | 484 | 379 | 449 | 437 | 480 | 454 | 521 | 454 | 450 | 563 | 612 | 511 | 541 | 638 | 605 | 600 | 476 | 537 |
| 08 | 430 | 433 | 316 | 378 | 362 | 382 | 382 | 384 | 339 | 414 | 501 | 449 | 454 | 477 | 379 | 449 | 434 | 484 | 455 | 523 | 459 | 451 | 570 | 608 | 512 | 541 | 643 | 602 | 602 | 474 | 537 |
| 09 | 425 | 433 | 313 | 382 | 356 | 386 | 385 | 380 | 343 | 424 | 501 | 449 | 457 | 474 | 382 | 450 | 430 | 487 | 453 | 528 | 460 | 454 | 572 | 602 | 512 | 541 | 646 | 603 | 602 | 473 | 539 |
| 10 | 420 | 432 | 306 | 388 | 350 | 391 | 390 | 376 | 349 | 423 | 501 | 450 | 459 | 466 | 385 | 450 | 429 | 488 | 450 | 525 | 465 | 459 | 575 | 602 | 513 | 548 | 648 | 603 | 602 | 469 | 543 |
| 11 | 424 | 430 | 302 | 395 | 343 | 396 | 396 | 376 | 358 | 431 | 502 | 444 | 460 | 458 | 389 | 451 | 428 | 491 | 451 | 524 | 464 | 463 | 581 | 600 | 512 | 552 | 652 | 601 | 605 | 468 | 550 |
| 12 | 429 | 431 | 298 | 399 | 338 | 399 | 396 | 374 | 359 | 440 | 502 | 445 | 461 | 446 | 395 | 451 | 428 | 492 | 458 | 521 | 460 | 474 | 587 | 600 | 507 | 558 | 653 | 601 | 608 | 466 | 552 |
| 13 | 429 | 430 | 288 | 402 | 333 | 399 | 396 | 370 | 362 | 443 | 502 | 448 | 464 | 435 | 397 | 451 | 428 | 492 | 460 | 516 | 456 | 476 | 590 | 598 | 505 | 565 | 654 | 601 | 610 | 466 | 551 |
| 14 | 438 | 427 | 282 | 407 | 332 | 399 | 394 | 364 | 369 | 449 | 501 | 452 | 466 | 425 | 401 | 451 | 430 | 494 | 460 | 506 | 458 | 481 | 591 | 592 | 507 | 567 | 655 | 600 | 605 | 468 | 553 |
| 15 | 441 | 425 | 279 | 411 | 327 | 399 | 396 | 364 | 369 | 457 | 495 | 453 | 472 | 415 | 401 | 451 | 428 | 499 | 466 | 511 | 456 | 483 | 597 | 586 | 507 | 568 | 656 | 601 | 604 | 468 | 558 |
| 16 | 442 | 418 | 280 | 415 | 329 | 399 | 396 | 359 | 370 | 463 | 490 | 452 | 479 | 414 | 398 | 451 | 430 | 499 | 469 | 497 | 446 | 490 | 603 | 581 | 510 | 570 | 654 | 598 | 604 | 470 | 562 |
| 17 | 447 | 415 | 280 | 418 | 324 | 399 | 396 | 356 | 379 | 464 | 484 | 453 | 483 | 411 | 403 | 451 | 427 | 501 | 472 | 492 | 442 | 492 | 607 | 578 | 512 | 578 | 650 | 597 | 600 | 476 | 565 |
| 18 | 445 | 407 | 280 | 421 | 322 | 400 | 400 | 353 | 392 | 475 | 477 | 455 | 494 | 406 | 404 | 451 | 429 | 501 | 471 | 486 | 438 | 499 | 609 | 572 | 520 | 580 | 649 | 595 | 587 | 483 | 565 |
| 19 | 445 | 400 | 284 | 421 | 320 | 400 | 401 | 347 | 400 | 492 | 473 | 454 | 494 | 398 | 406 | 451 | 430 | 501 | 471 | 479 | 435 | 509 | 610 | 563 | 521 | 591 | 644 | 597 | 586 | 492 | 567 |
| 20 | 448 | 394 | 292 | 419 | 323 | 399 | 399 | 345 | 396 | 491 | 468 | 453 | 501 | 383 | 413 | 449 | 439 | 503 | 473 | 470 | 428 | 511 | 614 | 556 | 519 | 600 | 643 | 599 | 579 | 502 | 571 |
| 21 | 449 | 375 | 301 | 415 | 329 | 395 | 400 | 340 | 401 | 489 | 467 | 453 | 507 | 375 | 418 | 447 | 445 | 503 | 472 | 462 | 428 | 517 | 615 | 556 | 519 | 608 | 637 | 595 | 573 | 508 | 576 |
| 22 | 451 | 370 | 311 | 409 | 335 | 390 | 403 | 334 | 400 | 491 | 462 | 453 | 507 | 378 | 423 | 451 | 451 | 496 | 474 | 454 | 430 | 520 | 614 | 552 | 523 | 610 | 636 | 595 | 564 | 512 | 583 |
| 23 | 454 | 368 | 320 | 408 | 340 | 392 | 405 | 329 | 399 | 491 | 458 | 451 | 509 | 377 | 431 | 451 | 458 | 496 | 480 | 448 | 431 | 522 | 616 | 542 | 522 | 615 | 636 | 594 | 553 | 520 | 586 |
| 24 | 452 | 366 | 327 | 405 | 344 | 388 | 403 | 327 | 393 | 492 | 455 | 446 | 515 | 376 | 435 | 451 | 461 | 492 | 485 | 448 | 433 | 528 | 617 | 536 | 520 | 615 | 634 | 592 | 540 | 522 | 590 |
| Total | 10546 | 10059 | 7436 | 9376 | 8406 | 9289 | 9401 | 8789 | 8664 | 10638 | 11746 | 10799 | 11319 | 10632 | 9457 | 10775 | 10472 | 11737 | 11206 | 11929 | 10757 | 11433 | 13987 | 14130 | 12405 | 13538 | 15375 | 14480 | 14181 | 11784 | 13263 |
| Daily Mean | 439.4 | 419.1 | 309.8 | 390.7 | 350.3 | 387.0 | 391.7 | 366.2 | 361.0 | 443.3 | 489.4 | 449.9 | 471.6 | 443.0 | 394.0 | 448.9 | 436.3 | 489.0 | 466.9 | 497.0 | 448.2 | 476.4 | 582.8 | 588.7 | 516.9 | 564.1 | 640.6 | 603.3 | 590.9 | 491.0 | 552.6 |

STATION LEVEL BAROMETRIC PRESSURE
 Station *Mawson* Year 1961
 TABULATED Mean Hourly Pressure
 (Units 0.1 Millibar) - 9400

| Date Hour GRT | Month June | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 01 | 02 | 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 |
| 01 | 591 | 533 | 482 | 399 | 588 | 786 | 727 | 690 | 639 | 655 | 582 | 525 | 514 | 422 | 400 | 321 | 413 | 440 | 447 | 442 | 474 | 429 | 377 | 508 | 606 | 506 | 467 | 570 | 536 | 406 |
| 02 | 593 | 526 | 479 | 401 | 602 | 790 | 722 | 686 | 641 | 655 | 576 | 506 | 503 | 419 | 396 | 314 | 412 | 440 | 448 | 436 | 480 | 423 | 374 | 518 | 600 | 497 | 470 | 573 | 522 | 398 |
| 03 | 595 | 520 | 473 | 402 | 614 | 782 | 721 | 685 | 642 | 652 | 565 | 502 | 512 | 418 | 396 | 312 | 415 | 438 | 449 | 427 | 487 | 417 | 376 | 529 | 583 | 492 | 476 | 584 | 515 | 398 |
| 04 | 597 | 517 | 462 | 406 | 620 | 773 | 720 | 681 | 651 | 644 | 556 | 502 | 522 | 413 | 389 | 316 | 425 | 437 | 447 | 409 | 489 | 410 | 382 | 541 | 578 | 489 | 482 | 585 | 486 | 397 |
| 05 | 599 | 515 | 461 | 407 | 628 | 771 | 720 | 676 | 651 | 641 | 544 | 501 | 520 | 408 | 382 | 317 | 428 | 438 | 450 | 398 | 495 | 404 | 389 | 554 | 578 | 484 | 488 | 580 | 449 | 391 |
| 06 | 599 | 511 | 455 | 414 | 640 | 765 | 717 | 669 | 656 | 647 | 544 | 498 | 508 | 398 | 380 | 323 | 434 | 441 | 451 | 402 | 502 | 400 | 396 | 568 | 576 | 479 | 494 | 589 | 420 | 395 |
| 07 | 599 | 511 | 448 | 421 | 651 | 763 | 718 | 663 | 661 | 653 | 544 | 497 | 498 | 401 | 377 | 325 | 440 | 440 | 448 | 403 | 509 | 398 | 398 | 578 | 562 | 475 | 499 | 579 | 415 | 399 |
| 08 | 599 | 506 | 444 | 429 | 657 | 761 | 717 | 658 | 660 | 657 | 540 | 498 | 498 | 409 | 376 | 330 | 441 | 439 | 451 | 402 | 514 | 393 | 405 | 589 | 559 | 474 | 505 | 594 | 419 | 394 |
| 09 | 600 | 505 | 439 | 436 | 666 | 764 | 716 | 650 | 659 | 658 | 539 | 499 | 491 | 416 | 376 | 333 | 443 | 438 | 452 | 403 | 514 | 390 | 404 | 594 | 557 | 473 | 513 | 597 | 428 | 384 |
| 10 | 598 | 504 | 430 | 444 | 680 | 763 | 712 | 642 | 660 | 652 | 539 | 499 | 490 | 412 | 376 | 339 | 445 | 438 | 454 | 400 | 513 | 390 | 407 | 598 | 551 | 472 | 518 | 600 | 422 | 375 |
| 11 | 597 | 502 | 427 | 452 | 694 | 764 | 709 | 630 | 662 | 654 | 539 | 501 | 486 | 407 | 374 | 344 | 446 | 440 | 456 | 393 | 511 | 383 | 412 | 603 | 542 | 465 | 525 | 604 | 417 | 369 |
| 12 | 595 | 502 | 419 | 460 | 714 | 763 | 701 | 621 | 659 | 654 | 535 | 501 | 484 | 404 | 374 | 353 | 448 | 441 | 457 | 390 | 511 | 385 | 423 | 604 | 535 | 460 | 530 | 604 | 426 | 360 |
| 13 | 589 | 502 | 419 | 469 | 723 | 759 | 700 | 616 | 652 | 652 | 536 | 496 | 477 | 399 | 374 | 359 | 447 | 440 | 459 | 382 | 508 | 383 | 429 | 607 | 527 | 461 | 530 | 611 | 428 | 360 |
| 14 | 588 | 503 | 416 | 478 | 733 | 758 | 702 | 600 | 651 | 648 | 540 | 499 | 473 | 397 | 371 | 365 | 446 | 439 | 458 | 385 | 504 | 380 | 444 | 615 | 518 | 462 | 528 | 604 | 428 | 361 |
| 15 | 579 | 499 | 411 | 488 | 745 | 756 | 704 | 603 | 646 | 642 | 540 | 504 | 466 | 393 | 371 | 372 | 446 | 438 | 457 | 390 | 497 | 378 | 453 | 620 | 526 | 463 | 528 | 603 | 433 | 357 |
| 16 | 574 | 496 | 408 | 496 | 747 | 758 | 702 | 614 | 643 | 639 | 541 | 503 | 457 | 389 | 373 | 377 | 447 | 433 | 451 | 393 | 490 | 378 | 463 | 630 | 522 | 464 | 531 | 601 | 435 | 363 |
| 17 | 571 | 494 | 406 | 505 | 753 | 755 | 699 | 612 | 638 | 630 | 543 | 499 | 452 | 384 | 371 | 378 | 445 | 434 | 448 | 396 | 484 | 378 | 466 | 632 | 523 | 459 | 536 | 609 | 434 | 368 |
| 18 | 571 | 495 | 404 | 511 | 764 | 752 | 700 | 619 | 639 | 627 | 543 | 496 | 445 | 382 | 364 | 385 | 444 | 444 | 448 | 399 | 481 | 384 | 479 | 630 | 522 | 458 | 541 | 611 | 427 | 367 |
| 19 | 567 | 498 | 399 | 522 | 768 | 749 | 698 | 607 | 644 | 622 | 543 | 499 | 442 | 386 | 356 | 390 | 444 | 444 | 447 | 410 | 480 | 382 | 491 | 630 | 517 | 456 | 548 | 614 | 416 | 370 |
| 20 | 563 | 502 | 398 | 537 | 768 | 748 | 695 | 616 | 651 | 619 | 543 | 512 | 435 | 394 | 352 | 393 | 441 | 448 | 447 | 423 | 484 | 388 | 490 | 628 | 518 | 454 | 551 | 610 | 411 | 371 |
| 21 | 558 | 500 | 399 | 549 | 767 | 752 | 695 | 621 | 653 | 615 | 538 | 528 | 429 | 402 | 343 | 395 | 440 | 449 | 445 | 435 | 475 | 389 | 491 | 627 | 519 | 452 | 554 | 604 | 413 | 372 |
| 22 | 552 | 499 | 400 | 556 | 775 | 752 | 694 | 628 | 653 | 609 | 533 | 529 | 426 | 402 | 341 | 401 | 438 | 448 | 444 | 452 | 465 | 383 | 491 | 623 | 517 | 453 | 556 | 591 | 412 | 366 |
| 23 | 544 | 493 | 394 | 563 | 786 | 744 | 692 | 634 | 651 | 604 | 531 | 529 | 425 | 402 | 339 | 405 | 440 | 446 | 443 | 461 | 455 | 379 | 496 | 617 | 517 | 456 | 561 | 576 | 411 | 367 |
| 24 | 542 | 488 | 396 | 576 | 789 | 736 | 690 | 636 | 649 | 592 | 528 | 523 | 422 | 402 | 330 | 409 | 440 | 446 | 440 | 469 | 442 | 377 | 501 | 612 | 511 | 460 | 569 | 556 | 413 | 366 |
| Total | 13960 | 12121 | 10269 | 11321 | 16872 | 18264 | 16971 | 15357 | 15611 | 15321 | 13062 | 12146 | 11375 | 9659 | 8881 | 8556 | 10508 | 10579 | 10797 | 9900 | 11764 | 9401 | 10437 | 14255 | 13064 | 11264 | 12500 | 14249 | 10516 | 9054 |
| Daily Mean | 581.7 | 505.0 | 427.9 | 471.7 | 703.0 | 761.0 | 707.1 | 639.9 | 650.5 | 638.4 | 544.3 | 506.1 | 473.9 | 402.5 | 370.0 | 356.5 | 437.8 | 440.8 | 449.9 | 412.5 | 490.2 | 391.7 | 434.9 | 593.9 | 544.3 | 469.3 | 520.8 | 593.7 | 438.2 | 377.3 |

STATION LEVEL BAROMETRIC PRESSURE

Station *Mawson*

Year 1961

Month July

TABULATED Mean Hourly Pressure
(Units 0.1 Millibar) - 9400

TABLE 79

| Date | 01 | 02 | 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 |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 01 | 381 | 429 | 419 | 507 | 477 | 410 | 280 | 438 | 348 | 310 | 340 | 392 | 412 | 438 | 338 | 388 | 523 | 456 | 388 | 491 | 684 | 515 | 441 | 407 | 426 | 378 | 255 | 301 | 415 | 423 | 445 |
| 02 | 387 | 426 | 415 | 509 | 472 | 408 | 281 | 440 | 356 | 308 | 342 | 391 | 412 | 433 | 336 | 395 | 528 | 445 | 398 | 509 | 680 | 513 | 432 | 410 | 426 | 376 | 251 | 326 | 418 | 424 | 449 |
| 03 | 391 | 426 | 414 | 514 | 468 | 399 | 279 | 446 | 358 | 309 | 348 | 390 | 416 | 428 | 336 | 400 | 530 | 433 | 405 | 524 | 675 | 514 | 427 | 417 | 423 | 369 | 245 | 336 | 419 | 425 | 453 |
| 04 | 392 | 428 | 411 | 515 | 470 | 399 | 276 | 448 | 358 | 308 | 355 | 395 | 421 | 422 | 338 | 402 | 533 | 416 | 409 | 545 | 669 | 517 | 416 | 419 | 420 | 366 | 235 | 349 | 423 | 429 | 457 |
| 05 | 395 | 428 | 420 | 515 | 467 | 398 | 277 | 449 | 362 | 310 | 357 | 394 | 427 | 419 | 338 | 414 | 534 | 418 | 417 | 558 | 666 | 517 | 415 | 423 | 422 | 365 | 230 | 354 | 424 | 426 | 457 |
| 06 | 396 | 433 | 416 | 527 | 466 | 395 | 283 | 450 | 357 | 314 | 360 | 394 | 432 | 418 | 345 | 420 | 540 | 401 | 424 | 577 | 656 | 518 | 409 | 434 | 425 | 365 | 221 | 367 | 432 | 424 | 465 |
| 07 | 398 | 437 | 413 | 528 | 460 | 390 | 283 | 443 | 351 | 317 | 362 | 397 | 435 | 412 | 348 | 427 | 544 | 391 | 427 | 593 | 647 | 516 | 405 | 442 | 433 | 359 | 212 | 376 | 433 | 426 | 467 |
| 08 | 399 | 430 | 415 | 526 | 452 | 386 | 278 | 443 | 345 | 324 | 363 | 397 | 435 | 409 | 347 | 436 | 544 | 381 | 433 | 606 | 639 | 515 | 398 | 444 | 436 | 356 | 207 | 382 | 433 | 427 | 469 |
| 09 | 400 | 424 | 412 | 522 | 444 | 377 | 279 | 426 | 339 | 324 | 363 | 396 | 436 | 408 | 349 | 443 | 544 | 375 | 435 | 621 | 631 | 515 | 387 | 446 | 439 | 353 | 203 | 388 | 427 | 428 | 471 |
| 10 | 404 | 423 | 417 | 521 | 442 | 369 | 282 | 421 | 337 | 325 | 363 | 396 | 437 | 406 | 348 | 451 | 541 | 367 | 437 | 629 | 621 | 517 | 384 | 448 | 440 | 350 | 200 | 393 | 428 | 429 | 473 |
| 11 | 410 | 428 | 424 | 524 | 438 | 360 | 291 | 417 | 335 | 329 | 366 | 397 | 438 | 401 | 351 | 458 | 538 | 361 | 438 | 637 | 612 | 515 | 383 | 449 | 441 | 347 | 192 | 396 | 428 | 431 | 474 |
| 12 | 411 | 430 | 431 | 525 | 433 | 349 | 305 | 410 | 334 | 330 | 367 | 397 | 442 | 396 | 352 | 464 | 537 | 351 | 443 | 644 | 598 | 515 | 382 | 450 | 442 | 342 | 191 | 398 | 431 | 430 | 478 |
| 13 | 414 | 427 | 441 | 527 | 429 | 342 | 313 | 408 | 330 | 333 | 368 | 398 | 445 | 387 | 352 | 467 | 537 | 346 | 444 | 651 | 593 | 515 | 374 | 449 | 442 | 338 | 188 | 400 | 440 | 430 | 480 |
| 14 | 418 | 427 | 448 | 526 | 426 | 336 | 323 | 398 | 324 | 337 | 374 | 399 | 448 | 384 | 350 | 472 | 534 | 341 | 442 | 660 | 587 | 512 | 375 | 448 | 437 | 331 | 185 | 404 | 440 | 429 | 481 |
| 15 | 418 | 421 | 454 | 526 | 425 | 329 | 333 | 388 | 323 | 333 | 375 | 399 | 449 | 391 | 351 | 476 | 529 | 338 | 442 | 664 | 577 | 505 | 370 | 448 | 436 | 325 | 187 | 407 | 439 | 428 | 486 |
| 16 | 420 | 421 | 463 | 525 | 422 | 321 | 346 | 382 | 322 | 330 | 378 | 399 | 450 | 387 | 353 | 489 | 525 | 335 | 448 | 673 | 571 | 500 | 370 | 445 | 438 | 316 | 187 | 410 | 437 | 431 | 485 |
| 17 | 419 | 422 | 461 | 516 | 420 | 314 | 358 | 378 | 322 | 328 | 381 | 400 | 449 | 388 | 354 | 497 | 522 | 336 | 451 | 678 | 568 | 499 | 371 | 443 | 427 | 306 | 195 | 412 | 434 | 429 | 482 |
| 18 | 422 | 422 | 460 | 508 | 420 | 309 | 373 | 374 | 313 | 327 | 381 | 400 | 449 | 374 | 360 | 505 | 518 | 343 | 456 | 682 | 559 | 492 | 373 | 436 | 416 | 294 | 200 | 413 | 424 | 425 | 480 |
| 19 | 426 | 421 | 469 | 505 | 419 | 303 | 388 | 370 | 311 | 328 | 382 | 401 | 448 | 368 | 366 | 508 | 508 | 348 | 463 | 684 | 553 | 482 | 376 | 433 | 409 | 290 | 207 | 410 | 426 | 428 | 479 |
| 20 | 429 | 419 | 478 | 502 | 413 | 298 | 397 | 368 | 308 | 332 | 383 | 402 | 446 | 362 | 368 | 509 | 497 | 353 | 463 | 687 | 547 | 478 | 382 | 432 | 405 | 286 | 219 | 408 | 429 | 433 | 483 |
| 21 | 429 | 417 | 482 | 499 | 412 | 290 | 411 | 360 | 310 | 333 | 383 | 405 | 445 | 357 | 368 | 508 | 485 | 360 | 465 | 689 | 543 | 472 | 388 | 429 | 398 | 277 | 232 | 408 | 428 | 436 | 480 |
| 22 | 428 | 412 | 488 | 492 | 412 | 284 | 418 | 355 | 308 | 333 | 386 | 410 | 445 | 351 | 371 | 511 | 481 | 366 | 467 | 689 | 540 | 464 | 392 | 428 | 391 | 272 | 251 | 413 | 429 | 438 | 475 |
| 23 | 429 | 415 | 495 | 485 | 414 | 282 | 427 | 353 | 307 | 334 | 392 | 410 | 444 | 347 | 379 | 514 | 473 | 371 | 473 | 689 | 531 | 455 | 400 | 427 | 385 | 269 | 269 | 411 | 426 | 441 | 469 |
| 24 | 430 | 418 | 501 | 484 | 414 | 282 | 431 | 348 | 308 | 337 | 392 | 412 | 441 | 341 | 381 | 518 | 465 | 378 | 480 | 688 | 520 | 448 | 407 | 426 | 380 | 262 | 282 | 410 | 424 | 443 | 461 |
| Total | 9846 | 10184 | 10650 | 12328 | 10515 | 8330 | 7912 | 9713 | 7966 | 7793 | 8863 | 9571 | 10502 | 9427 | 8479 | 11072 | 12510 | 9010 | 10548 | 15068 | 14467 | 12009 | 9457 | 10433 | 10137 | 7892 | 5244 | 9272 | 10287 | 10313 | 11299 |
| Daily Mean | 410.3 | 424.3 | 443.7 | 513.7 | 438.1 | 347.1 | 329.7 | 404.7 | 331.9 | 324.7 | 369.3 | 398.8 | 437.6 | 392.8 | 353.3 | 461.3 | 521.3 | 375.4 | 439.5 | 627.8 | 607.8 | 500.4 | 394.0 | 434.7 | 422.4 | 328.8 | 218.5 | 386.3 | 428.6 | 479.7 | 470.8 |

STATION LEVEL BAROMETRIC PRESSURE

Station *Mowson*

Year *1961*

Month *August*

TABULATED Mean Hourly Pressure
(Units 0.1 Millibar) — 9400

TABLE 80

| Date | 01 | 02 | 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 |
|----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Hour GMT | 01 | 02 | 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 |
| 01 | 455 | 275 | 359 | 406 | 403 | 445 | 461 | 408 | 365 | 346 | 450 | 410 | 279 | 413 | 431 | 432 | 352 | 376 | 445 | 445 | 485 | 501 | 564 | 555 | 542 | 430 | 244 | 218 | 356 | 539 | 733 |
| 02 | 451 | 251 | 357 | 402 | 399 | 447 | 458 | 405 | 362 | 348 | 465 | 403 | 282 | 420 | 426 | 434 | 346 | 379 | 444 | 451 | 466 | 502 | 568 | 551 | 534 | 411 | 240 | 219 | 366 | 548 | 741 |
| 03 | 442 | 243 | 357 | 396 | 394 | 447 | 456 | 406 | 357 | 349 | 473 | 384 | 287 | 425 | 423 | 429 | 344 | 385 | 440 | 455 | 486 | 501 | 571 | 546 | 529 | 392 | 235 | 220 | 376 | 557 | 748 |
| 04 | 436 | 246 | 356 | 402 | 397 | 445 | 452 | 403 | 352 | 350 | 478 | 368 | 292 | 436 | 415 | 422 | 337 | 392 | 435 | 456 | 485 | 502 | 580 | 542 | 532 | 377 | 227 | 220 | 388 | 567 | 754 |
| 05 | 433 | 271 | 347 | 401 | 397 | 453 | 450 | 403 | 348 | 350 | 480 | 361 | 296 | 444 | 410 | 413 | 335 | 403 | 433 | 461 | 467 | 502 | 582 | 541 | 534 | 368 | 220 | 221 | 394 | 570 | 762 |
| 06 | 429 | 276 | 350 | 400 | 397 | 459 | 446 | 398 | 351 | 351 | 483 | 352 | 303 | 451 | 410 | 412 | 333 | 408 | 432 | 461 | 471 | 509 | 585 | 543 | 525 | 354 | 221 | 225 | 406 | 577 | 770 |
| 07 | 419 | 279 | 344 | 404 | 399 | 460 | 445 | 399 | 345 | 351 | 484 | 340 | 302 | 460 | 408 | 408 | 330 | 414 | 432 | 463 | 468 | 509 | 586 | 546 | 525 | 341 | 212 | 229 | 411 | 579 | 773 |
| 08 | 409 | 287 | 364 | 410 | 402 | 464 | 446 | 402 | 341 | 352 | 482 | 328 | 303 | 468 | 403 | 405 | 330 | 417 | 430 | 465 | 468 | 511 | 586 | 548 | 530 | 336 | 205 | 228 | 432 | 588 | 778 |
| 09 | 401 | 305 | 374 | 412 | 407 | 463 | 446 | 401 | 335 | 352 | 487 | 308 | 299 | 471 | 399 | 406 | 330 | 422 | 428 | 464 | 469 | 512 | 586 | 544 | 530 | 331 | 199 | 229 | 435 | 592 | 782 |
| 10 | 390 | 320 | 376 | 417 | 413 | 458 | 443 | 397 | 330 | 353 | 492 | 288 | 300 | 474 | 400 | 399 | 329 | 429 | 426 | 463 | 470 | 513 | 584 | 541 | 530 | 321 | 197 | 233 | 449 | 602 | 787 |
| 11 | 382 | 328 | 378 | 415 | 423 | 460 | 442 | 394 | 326 | 356 | 490 | 279 | 313 | 477 | 411 | 397 | 329 | 431 | 425 | 466 | 471 | 513 | 585 | 539 | 518 | 304 | 200 | 240 | 459 | 610 | 788 |
| 12 | 375 | 333 | 379 | 410 | 428 | 463 | 441 | 394 | 324 | 359 | 492 | 284 | 328 | 478 | 412 | 395 | 332 | 430 | 424 | 469 | 472 | 514 | 587 | 545 | 516 | 301 | 208 | 250 | 469 | 613 | 787 |
| 13 | 368 | 331 | 384 | 405 | 431 | 463 | 439 | 394 | 322 | 367 | 493 | 287 | 335 | 480 | 412 | 394 | 333 | 432 | 423 | 473 | 474 | 516 | 590 | 549 | 519 | 300 | 210 | 258 | 480 | 621 | 782 |
| 14 | 359 | 332 | 383 | 406 | 428 | 461 | 436 | 394 | 320 | 370 | 483 | 286 | 339 | 479 | 419 | 388 | 333 | 437 | 422 | 472 | 477 | 520 | 591 | 552 | 520 | 301 | 211 | 266 | 485 | 629 | 785 |
| 15 | 350 | 335 | 386 | 403 | 429 | 466 | 434 | 392 | 320 | 375 | 476 | 282 | 347 | 478 | 422 | 386 | 333 | 442 | 424 | 471 | 479 | 523 | 590 | 552 | 522 | 304 | 209 | 274 | 490 | 636 | 786 |
| 16 | 337 | 338 | 390 | 401 | 431 | 467 | 431 | 389 | 321 | 382 | 476 | 277 | 354 | 477 | 422 | 383 | 336 | 445 | 428 | 473 | 483 | 531 | 584 | 554 | 520 | 304 | 204 | 280 | 497 | 643 | 786 |
| 17 | 319 | 341 | 404 | 399 | 436 | 467 | 432 | 386 | 323 | 387 | 478 | 273 | 357 | 476 | 422 | 380 | 340 | 443 | 430 | 472 | 476 | 535 | 581 | 552 | 512 | 299 | 209 | 287 | 503 | 651 | 789 |
| 18 | 303 | 342 | 403 | 388 | 438 | 466 | 428 | 383 | 325 | 392 | 473 | 270 | 359 | 473 | 423 | 376 | 342 | 444 | 431 | 471 | 480 | 538 | 580 | 548 | 503 | 292 | 211 | 294 | 507 | 663 | 783 |
| 19 | 291 | 347 | 395 | 377 | 437 | 465 | 423 | 381 | 328 | 400 | 467 | 269 | 363 | 469 | 429 | 372 | 347 | 446 | 432 | 471 | 482 | 541 | 579 | 545 | 496 | 285 | 206 | 297 | 507 | 670 | 774 |
| 20 | 292 | 352 | 397 | 372 | 438 | 467 | 418 | 380 | 330 | 413 | 463 | 267 | 373 | 466 | 431 | 369 | 354 | 446 | 435 | 471 | 486 | 544 | 573 | 544 | 489 | 280 | 208 | 302 | 508 | 680 | 772 |
| 21 | 291 | 356 | 394 | 375 | 440 | 468 | 414 | 376 | 331 | 420 | 457 | 267 | 383 | 462 | 432 | 366 | 357 | 446 | 439 | 466 | 491 | 548 | 572 | 545 | 485 | 273 | 207 | 315 | 512 | 688 | 772 |
| 22 | 270 | 363 | 403 | 386 | 443 | 466 | 414 | 372 | 333 | 428 | 454 | 275 | 389 | 455 | 432 | 359 | 362 | 447 | 440 | 465 | 491 | 556 | 566 | 544 | 476 | 269 | 210 | 318 | 518 | 700 | 771 |
| 23 | 278 | 362 | 407 | 395 | 444 | 467 | 410 | 371 | 336 | 437 | 445 | 274 | 393 | 449 | 430 | 358 | 368 | 449 | 442 | 466 | 492 | 557 | 565 | 544 | 459 | 259 | 210 | 327 | 523 | 711 | 768 |
| 24 | 290 | 359 | 408 | 402 | 445 | 466 | 409 | 368 | 341 | 442 | 427 | 282 | 403 | 440 | 430 | 352 | 371 | 446 | 444 | 465 | 494 | 558 | 561 | 545 | 444 | 251 | 216 | 341 | 530 | 721 | 758 |

Total 8770 7572 9095 9584 10099 11053 10474 9396 8066 9030 11348 7414 7979 11021 10052 9435 8203 10209 10384 11155 11423 12556 13896 13115 12290 7683 5119 6291 11001 14955 18529

Daily Mean 365.4 315.5 378.9 399.3 420.8 460.5 436.4 391.5 336.1 376.3 472.8 308.9 332.5 459.2 418.8 393.1 341.8 425.4 432.7 464.8 475.9 523.2 579.0 546.5 512.1 320.1 213.3 262.1 458.4 623.1 772.0

TABLE 81

STATION LEVEL BAROMETRIC PRESSURE

Station *Mawson*

Month *September*

Year *1961*

TABULATED Mean Hourly Pressure
(Units 0.1 Millibar) - 9400

| Date | 01 | 02 | 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 |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 01 | 754 | 636 | 443 | 466 | 483 | 509 | 544 | 568 | 593 | 513 | 488 | 565 | 623 | 595 | 508 | 525 | 426 | 466 | 493 | 514 | 530 | 536 | 462 | 488 | 596 | 310 | 459 | 354 | 257 | 473 |
| 02 | 750 | 629 | 445 | 462 | 487 | 509 | 544 | 568 | 593 | 506 | 493 | 566 | 624 | 596 | 508 | 523 | 423 | 468 | 491 | 513 | 530 | 534 | 456 | 493 | 590 | 307 | 465 | 334 | 255 | 471 |
| 03 | 748 | 622 | 448 | 460 | 495 | 507 | 543 | 572 | 594 | 508 | 499 | 568 | 628 | 587 | 507 | 522 | 422 | 469 | 489 | 524 | 534 | 535 | 452 | 500 | 585 | 306 | 473 | 299 | 265 | 478 |
| 04 | 739 | 611 | 450 | 459 | 499 | 506 | 539 | 570 | 588 | 503 | 504 | 572 | 630 | 584 | 506 | 518 | 419 | 467 | 490 | 525 | 534 | 535 | 449 | 512 | 578 | 304 | 480 | 280 | 272 | 485 |
| 05 | 733 | 610 | 450 | 460 | 505 | 512 | 538 | 570 | 583 | 500 | 506 | 572 | 630 | 575 | 509 | 513 | 418 | 466 | 488 | 525 | 527 | 538 | 446 | 514 | 576 | 306 | 484 | 276 | 287 | 491 |
| 06 | 729 | 598 | 448 | 461 | 512 | 510 | 536 | 571 | 581 | 496 | 510 | 578 | 632 | 577 | 505 | 511 | 421 | 473 | 490 | 530 | 535 | 536 | 447 | 520 | 563 | 311 | 492 | 264 | 299 | 500 |
| 07 | 722 | 577 | 447 | 461 | 512 | 514 | 538 | 573 | 580 | 492 | 517 | 580 | 632 | 576 | 504 | 509 | 421 | 478 | 491 | 532 | 537 | 533 | 444 | 524 | 552 | 316 | 492 | 251 | 310 | 508 |
| 08 | 720 | 554 | 448 | 461 | 513 | 516 | 540 | 578 | 576 | 490 | 520 | 583 | 634 | 574 | 507 | 504 | 421 | 478 | 490 | 533 | 537 | 531 | 441 | 532 | 547 | 318 | 495 | 243 | 323 | 516 |
| 09 | 717 | 538 | 447 | 460 | 516 | 516 | 541 | 583 | 575 | 487 | 522 | 587 | 628 | 571 | 507 | 501 | 432 | 479 | 492 | 534 | 538 | 528 | 441 | 541 | 538 | 322 | 497 | 235 | 335 | 522 |
| 10 | 717 | 534 | 447 | 457 | 519 | 519 | 541 | 586 | 566 | 487 | 527 | 591 | 628 | 566 | 508 | 499 | 444 | 478 | 498 | 532 | 537 | 526 | 441 | 549 | 524 | 328 | 499 | 232 | 345 | 530 |
| 11 | 712 | 529 | 445 | 457 | 519 | 526 | 543 | 584 | 563 | 488 | 528 | 595 | 628 | 562 | 513 | 495 | 446 | 479 | 501 | 528 | 537 | 523 | 440 | 558 | 511 | 336 | 499 | 225 | 356 | 538 |
| 12 | 710 | 526 | 450 | 457 | 522 | 522 | 547 | 588 | 560 | 482 | 532 | 596 | 627 | 556 | 518 | 492 | 446 | 479 | 502 | 528 | 538 | 519 | 441 | 565 | 495 | 345 | 496 | 219 | 367 | 546 |
| 13 | 703 | 513 | 450 | 457 | 524 | 527 | 549 | 589 | 556 | 479 | 537 | 596 | 630 | 555 | 523 | 490 | 446 | 481 | 505 | 531 | 541 | 515 | 442 | 569 | 481 | 352 | 489 | 217 | 380 | 554 |
| 14 | 701 | 508 | 449 | 454 | 522 | 528 | 552 | 594 | 552 | 479 | 541 | 601 | 627 | 548 | 525 | 485 | 455 | 481 | 510 | 530 | 541 | 512 | 442 | 572 | 462 | 357 | 480 | 203 | 384 | 561 |
| 15 | 697 | 495 | 450 | 456 | 522 | 529 | 557 | 600 | 546 | 479 | 539 | 604 | 621 | 550 | 527 | 481 | 458 | 482 | 509 | 529 | 540 | 508 | 445 | 580 | 440 | 367 | 471 | 206 | 390 | 567 |
| 16 | 697 | 486 | 451 | 459 | 523 | 535 | 559 | 604 | 544 | 478 | 554 | 609 | 614 | 553 | 527 | 478 | 458 | 483 | 508 | 530 | 541 | 505 | 450 | 584 | 411 | 376 | 463 | 211 | 399 | 576 |
| 17 | 694 | 475 | 457 | 459 | 521 | 536 | 560 | 603 | 540 | 478 | 555 | 610 | 612 | 542 | 526 | 472 | 458 | 484 | 508 | 532 | 543 | 501 | 451 | 590 | 389 | 383 | 458 | 209 | 403 | 580 |
| 18 | 690 | 466 | 458 | 459 | 520 | 537 | 560 | 601 | 534 | 484 | 556 | 610 | 617 | 536 | 520 | 466 | 457 | 484 | 509 | 530 | 540 | 497 | 456 | 588 | 359 | 392 | 455 | 211 | 407 | 585 |
| 19 | 670 | 469 | 459 | 460 | 519 | 538 | 566 | 601 | 532 | 480 | 555 | 611 | 617 | 531 | 520 | 462 | 457 | 490 | 512 | 532 | 542 | 492 | 458 | 592 | 342 | 408 | 444 | 207 | 417 | 592 |
| 20 | 666 | 465 | 463 | 466 | 519 | 538 | 566 | 598 | 531 | 485 | 554 | 612 | 613 | 529 | 527 | 455 | 460 | 494 | 513 | 532 | 542 | 487 | 464 | 593 | 336 | 416 | 435 | 210 | 422 | 597 |
| 21 | 660 | 452 | 469 | 479 | 515 | 539 | 568 | 593 | 527 | 488 | 555 | 617 | 612 | 522 | 528 | 448 | 465 | 492 | 514 | 531 | 540 | 481 | 471 | 600 | 322 | 423 | 428 | 216 | 430 | 594 |
| 22 | 660 | 444 | 466 | 478 | 509 | 540 | 568 | 594 | 518 | 494 | 559 | 618 | 606 | 519 | 530 | 441 | 472 | 491 | 516 | 532 | 541 | 476 | 472 | 602 | 314 | 434 | 412 | 237 | 440 | 591 |
| 23 | 658 | 445 | 466 | 480 | 509 | 541 | 567 | 592 | 510 | 489 | 562 | 621 | 600 | 514 | 529 | 434 | 470 | 493 | 518 | 536 | 544 | 468 | 476 | 602 | 312 | 443 | 385 | 250 | 446 | 594 |
| 24 | 649 | 441 | 471 | 481 | 509 | 542 | 565 | 594 | 507 | 489 | 562 | 622 | 598 | 507 | 527 | 426 | 465 | 493 | 520 | 536 | 544 | 465 | 482 | 598 | 309 | 452 | 367 | 262 | 454 | 595 |
| Total | 16896 | 12623 | 10877 | 11109 | 12294 | 12596 | 13231 | 14074 | 13349 | 11754 | 12775 | 14284 | 14911 | 13325 | 12409 | 11650 | 10660 | 11528 | 12057 | 12699 | 12913 | 12281 | 10869 | 13366 | 11132 | 8612 | 11118 | 5851 | 8643 | 13044 |
| Daily Mean | 704.0 | 525.9 | 453.2 | 462.9 | 512.3 | 524.8 | 551.3 | 586.4 | 556.2 | 489.7 | 532.3 | 595.2 | 621.3 | 555.2 | 517.0 | 485.4 | 444.2 | 480.3 | 502.4 | 529.1 | 538.0 | 511.7 | 452.9 | 556.9 | 463.8 | 358.8 | 463.3 | 243.8 | 360.1 | 543.5 |

STATION LEVEL BAROMETRIC PRESSURE

Station *Mawson*

Year *1961*

Month *October*

TABULATED Mean Hourly Pressure
(Units 0.1 Millibar) — 9400

TABLE 82

| Date | 01 | 02 | 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 |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Hour GMT | 588 | 376 | 327 | 448 | 541 | 497 | 502 | 515 | 476 | 532 | 542 | 559 | 493 | 515 | 483 | 438 | 462 | 355 | 327 | 307 | 320 | 349 | 392 | 372 | 412 | 429 | 497 | 545 | 480 | 409 | 306 |
| | 584 | 367 | 332 | 453 | 548 | 492 | 506 | 511 | 483 | 533 | 544 | 556 | 493 | 517 | 480 | 444 | 455 | 352 | 332 | 305 | 325 | 356 | 392 | 375 | 411 | 425 | 504 | 543 | 477 | 405 | 303 |
| | 581 | 361 | 338 | 455 | 551 | 488 | 511 | 516 | 485 | 532 | 544 | 555 | 493 | 518 | 477 | 443 | 446 | 342 | 331 | 301 | 329 | 364 | 389 | 380 | 411 | 420 | 513 | 542 | 475 | 402 | 297 |
| | 579 | 348 | 343 | 447 | 557 | 484 | 508 | 511 | 490 | 531 | 547 | 552 | 492 | 520 | 473 | 448 | 448 | 324 | 332 | 296 | 325 | 364 | 389 | 378 | 415 | 418 | 521 | 537 | 473 | 394 | 291 |
| | 571 | 341 | 349 | 444 | 555 | 481 | 509 | 511 | 490 | 536 | 549 | 547 | 490 | 520 | 474 | 450 | 450 | 319 | 332 | 288 | 323 | 367 | 388 | 378 | 414 | 414 | 525 | 534 | 475 | 392 | 286 |
| | 565 | 330 | 351 | 442 | 555 | 479 | 510 | 513 | 493 | 531 | 550 | 545 | 493 | 519 | 473 | 457 | 452 | 319 | 336 | 275 | 324 | 369 | 392 | 379 | 421 | 416 | 530 | 535 | 470 | 390 | 283 |
| | 564 | 323 | 357 | 439 | 558 | 477 | 512 | 513 | 497 | 533 | 550 | 541 | 493 | 519 | 473 | 463 | 452 | 320 | 338 | 270 | 336 | 371 | 392 | 385 | 425 | 417 | 534 | 534 | 468 | 385 | 279 |
| | 557 | 321 | 362 | 434 | 560 | 476 | 513 | 511 | 499 | 535 | 555 | 538 | 491 | 519 | 475 | 463 | 452 | 321 | 342 | 270 | 343 | 373 | 390 | 391 | 437 | 418 | 538 | 533 | 466 | 384 | 281 |
| | 548 | 320 | 365 | 440 | 557 | 472 | 514 | 511 | 502 | 536 | 558 | 533 | 494 | 519 | 475 | 465 | 452 | 317 | 342 | 276 | 340 | 374 | 392 | 398 | 443 | 417 | 544 | 533 | 463 | 381 | 287 |
| | 537 | 315 | 372 | 441 | 556 | 469 | 515 | 510 | 504 | 537 | 562 | 528 | 494 | 518 | 473 | 474 | 450 | 314 | 345 | 284 | 340 | 385 | 393 | 402 | 449 | 422 | 546 | 531 | 458 | 374 | 296 |
| | 532 | 310 | 375 | 438 | 549 | 472 | 514 | 507 | 503 | 537 | 564 | 526 | 496 | 517 | 470 | 471 | 448 | 306 | 345 | 289 | 337 | 389 | 389 | 404 | 456 | 426 | 547 | 529 | 457 | 372 | 305 |
| | 520 | 305 | 379 | 442 | 548 | 476 | 514 | 501 | 507 | 534 | 565 | 520 | 493 | 516 | 465 | 471 | 445 | 302 | 346 | 295 | 343 | 391 | 368 | 409 | 457 | 428 | 551 | 527 | 454 | 372 | 315 |
| | 503 | 304 | 386 | 445 | 548 | 478 | 514 | 496 | 510 | 534 | 566 | 518 | 490 | 511 | 460 | 469 | 445 | 303 | 345 | 302 | 343 | 390 | 387 | 413 | 457 | 430 | 552 | 525 | 452 | 368 | 323 |
| | 494 | 304 | 393 | 452 | 543 | 479 | 515 | 491 | 516 | 535 | 568 | 516 | 493 | 509 | 458 | 466 | 439 | 306 | 346 | 303 | 342 | 386 | 387 | 417 | 459 | 433 | 551 | 520 | 451 | 358 | 325 |
| | 493 | 302 | 405 | 458 | 544 | 477 | 516 | 488 | 520 | 536 | 572 | 515 | 494 | 507 | 457 | 472 | 437 | 309 | 344 | 304 | 343 | 386 | 385 | 419 | 457 | 434 | 553 | 520 | 449 | 352 | 330 |
| | 482 | 296 | 413 | 460 | 542 | 484 | 515 | 488 | 527 | 538 | 575 | 514 | 496 | 507 | 456 | 480 | 435 | 306 | 344 | 303 | 344 | 386 | 383 | 421 | 450 | 439 | 557 | 517 | 445 | 343 | 337 |
| | 474 | 300 | 423 | 463 | 535 | 487 | 515 | 484 | 528 | 538 | 575 | 509 | 501 | 503 | 452 | 474 | 431 | 305 | 339 | 310 | 338 | 390 | 383 | 425 | 442 | 448 | 557 | 507 | 438 | 335 | 344 |
| | 462 | 305 | 429 | 471 | 533 | 492 | 515 | 478 | 528 | 537 | 575 | 507 | 501 | 498 | 448 | 467 | 417 | 301 | 338 | 311 | 341 | 391 | 384 | 424 | 444 | 456 | 557 | 505 | 433 | 335 | 350 |
| | 451 | 308 | 435 | 476 | 528 | 495 | 515 | 482 | 530 | 542 | 575 | 507 | 500 | 496 | 443 | 467 | 408 | 303 | 336 | 311 | 341 | 390 | 387 | 422 | 440 | 461 | 555 | 503 | 430 | 331 | 354 |
| | 437 | 309 | 438 | 479 | 519 | 496 | 517 | 486 | 531 | 541 | 578 | 504 | 504 | 496 | 444 | 464 | 403 | 296 | 332 | 313 | 341 | 390 | 387 | 422 | 440 | 461 | 555 | 503 | 430 | 331 | 354 |
| | 422 | 310 | 440 | 488 | 513 | 493 | 517 | 484 | 533 | 539 | 575 | 501 | 502 | 492 | 436 | 457 | 396 | 296 | 325 | 312 | 341 | 390 | 384 | 424 | 438 | 470 | 551 | 496 | 423 | 328 | 362 |
| | 408 | 312 | 444 | 512 | 512 | 496 | 517 | 480 | 536 | 537 | 569 | 499 | 504 | 491 | 436 | 456 | 389 | 301 | 321 | 315 | 343 | 391 | 380 | 414 | 435 | 475 | 548 | 495 | 418 | 322 | 367 |
| | 397 | 314 | 447 | 523 | 509 | 500 | 517 | 473 | 535 | 538 | 564 | 496 | 509 | 490 | 434 | 458 | 377 | 299 | 316 | 313 | 342 | 393 | 378 | 412 | 434 | 483 | 550 | 494 | 418 | 324 | 370 |
| | 396 | 318 | 449 | 528 | 500 | 501 | 516 | 473 | 535 | 539 | 562 | 493 | 514 | 486 | 435 | 461 | 366 | 315 | 310 | 314 | 346 | 392 | 372 | 410 | 432 | 490 | 547 | 487 | 414 | 318 | 376 |
| Total | 12145 | 7699 | 9352 | 11078 | 12961 | 11641 | 12317 | 11933 | 12258 | 12861 | 13484 | 12579 | 11923 | 12203 | 11050 | 11078 | 10355 | 7531 | 8044 | 7162 | 8088 | 9126 | 9278 | 9674 | 10487 | 10513 | 12986 | 12505 | 10829 | 8713 | 7706 |
| Daily Mean | 506.0 | 320.8 | 389.7 | 461.6 | 540.0 | 485.0 | 513.2 | 497.2 | 510.7 | 535.9 | 561.8 | 524.1 | 496.8 | 508.5 | 460.4 | 461.6 | 431.5 | 313.8 | 335.2 | 298.4 | 337.0 | 380.3 | 386.6 | 403.1 | 436.9 | 438.0 | 541.1 | 521.0 | 451.2 | 363.0 | 321.1 |

TABLE 83

STATION LEVEL BAROMETRIC PRESSURE

Year 1961

Station *Mawson*

Month November

TABULATED Mean Hourly Pressure
(Units 0.1 Millibar) - 9400

| Date | Month November | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Hour GMT | 01 | 02 | 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 |
| 01 | 378 | 394 | 392 | 466 | 451 | 479 | 446 | 490 | 318 | 293 | 447 | 555 | 502 | 381 | 478 | 554 | 572 | 475 | 457 | 514 | 591 | 555 | 430 | 444 | 546 | 494 | 474 | 524 | 447 | 405 |
| 02 | 379 | 391 | 394 | 467 | 451 | 480 | 446 | 494 | 313 | 293 | 453 | 556 | 492 | 381 | 478 | 563 | 567 | 473 | 462 | 514 | 597 | 550 | 438 | 446 | 549 | 494 | 478 | 520 | 443 | 406 |
| 03 | 382 | 385 | 396 | 465 | 450 | 480 | 447 | 493 | 303 | 297 | 458 | 558 | 484 | 384 | 478 | 566 | 558 | 466 | 463 | 517 | 603 | 545 | 422 | 449 | 550 | 489 | 479 | 519 | 439 | 404 |
| 04 | 389 | 383 | 406 | 465 | 445 | 478 | 449 | 488 | 298 | 305 | 465 | 558 | 485 | 387 | 479 | 568 | 546 | 461 | 466 | 525 | 607 | 540 | 419 | 450 | 549 | 483 | 480 | 520 | 432 | 399 |
| 06 | 388 | 382 | 409 | 459 | 442 | 477 | 451 | 483 | 296 | 309 | 466 | 558 | 478 | 384 | 482 | 575 | 539 | 454 | 461 | 525 | 608 | 531 | 417 | 452 | 549 | 480 | 484 | 513 | 431 | 400 |
| 07 | 391 | 376 | 414 | 461 | 441 | 475 | 455 | 481 | 292 | 316 | 473 | 557 | 471 | 384 | 483 | 579 | 531 | 450 | 466 | 528 | 610 | 525 | 415 | 457 | 550 | 478 | 489 | 515 | 427 | 404 |
| 08 | 393 | 377 | 422 | 462 | 441 | 471 | 456 | 472 | 291 | 322 | 480 | 559 | 465 | 388 | 483 | 580 | 527 | 450 | 467 | 529 | 610 | 522 | 414 | 462 | 552 | 470 | 492 | 515 | 424 | 405 |
| 09 | 400 | 378 | 428 | 463 | 442 | 468 | 457 | 465 | 286 | 327 | 486 | 560 | 456 | 392 | 485 | 587 | 523 | 446 | 465 | 532 | 613 | 517 | 414 | 466 | 554 | 467 | 496 | 511 | 421 | 405 |
| 10 | 403 | 375 | 430 | 465 | 445 | 465 | 459 | 461 | 284 | 334 | 491 | 561 | 447 | 398 | 488 | 592 | 519 | 446 | 469 | 534 | 613 | 511 | 413 | 468 | 556 | 461 | 504 | 505 | 418 | 410 |
| 11 | 403 | 372 | 434 | 467 | 448 | 459 | 462 | 451 | 280 | 342 | 496 | 560 | 438 | 402 | 491 | 592 | 514 | 445 | 470 | 533 | 614 | 502 | 412 | 472 | 556 | 458 | 506 | 496 | 415 | 412 |
| 12 | 405 | 373 | 435 | 466 | 447 | 454 | 464 | 441 | 274 | 346 | 499 | 559 | 429 | 408 | 494 | 594 | 510 | 444 | 469 | 535 | 614 | 493 | 412 | 479 | 553 | 457 | 507 | 494 | 413 | 415 |
| 13 | 405 | 373 | 438 | 462 | 449 | 445 | 466 | 430 | 273 | 352 | 503 | 557 | 426 | 413 | 497 | 600 | 507 | 443 | 475 | 535 | 614 | 479 | 412 | 485 | 549 | 454 | 512 | 493 | 411 | 415 |
| 14 | 405 | 372 | 443 | 463 | 450 | 442 | 466 | 423 | 271 | 358 | 505 | 556 | 421 | 419 | 497 | 602 | 507 | 443 | 475 | 535 | 614 | 475 | 412 | 489 | 547 | 451 | 514 | 491 | 409 | 415 |
| 15 | 402 | 374 | 448 | 461 | 453 | 435 | 468 | 419 | 272 | 367 | 512 | 555 | 419 | 423 | 498 | 598 | 506 | 442 | 479 | 541 | 612 | 475 | 414 | 496 | 543 | 453 | 517 | 487 | 407 | 419 |
| 16 | 408 | 377 | 453 | 461 | 456 | 434 | 473 | 412 | 272 | 375 | 521 | 554 | 418 | 427 | 502 | 604 | 505 | 441 | 480 | 544 | 608 | 468 | 417 | 503 | 537 | 453 | 522 | 484 | 406 | 424 |
| 17 | 409 | 380 | 454 | 462 | 459 | 433 | 477 | 403 | 275 | 382 | 529 | 551 | 412 | 434 | 507 | 604 | 504 | 442 | 483 | 548 | 602 | 467 | 419 | 510 | 532 | 453 | 523 | 483 | 404 | 425 |
| 18 | 407 | 383 | 456 | 463 | 463 | 433 | 481 | 394 | 274 | 388 | 533 | 551 | 408 | 445 | 511 | 605 | 505 | 447 | 490 | 551 | 600 | 464 | 423 | 513 | 526 | 454 | 525 | 483 | 401 | 425 |
| 19 | 405 | 385 | 456 | 466 | 468 | 432 | 484 | 381 | 276 | 395 | 539 | 545 | 402 | 451 | 515 | 603 | 504 | 450 | 497 | 555 | 598 | 456 | 428 | 521 | 518 | 455 | 528 | 479 | 402 | 428 |
| 20 | 405 | 390 | 458 | 464 | 469 | 432 | 492 | 366 | 278 | 404 | 544 | 541 | 398 | 454 | 519 | 603 | 494 | 450 | 495 | 564 | 595 | 449 | 429 | 526 | 514 | 456 | 530 | 479 | 403 | 432 |
| 21 | 404 | 389 | 458 | 462 | 474 | 436 | 492 | 355 | 281 | 413 | 546 | 537 | 392 | 460 | 520 | 602 | 492 | 448 | 498 | 572 | 593 | 448 | 431 | 530 | 511 | 459 | 530 | 478 | 404 | 434 |
| 22 | 405 | 387 | 460 | 458 | 475 | 439 | 493 | 345 | 283 | 419 | 546 | 533 | 389 | 466 | 529 | 595 | 494 | 453 | 498 | 579 | 583 | 441 | 434 | 532 | 508 | 461 | 530 | 470 | 404 | 437 |
| 23 | 405 | 387 | 464 | 456 | 476 | 440 | 494 | 338 | 285 | 427 | 549 | 524 | 387 | 470 | 535 | 590 | 490 | 455 | 504 | 579 | 572 | 437 | 435 | 536 | 504 | 466 | 529 | 463 | 407 | 443 |
| 24 | 403 | 387 | 466 | 451 | 478 | 441 | 490 | 331 | 287 | 431 | 550 | 517 | 383 | 474 | 541 | 587 | 484 | 454 | 511 | 583 | 567 | 438 | 440 | 539 | 500 | 467 | 528 | 463 | 405 | 445 |
| 24 | 396 | 388 | 466 | 451 | 479 | 443 | 490 | 326 | 290 | 438 | 553 | 509 | 381 | 475 | 547 | 578 | 482 | 454 | 514 | 586 | 561 | 433 | 443 | 541 | 496 | 469 | 527 | 457 | 404 | 446 |
| Total | 9574 | 9158 | 10480 | 11086 | 10952 | 10871 | 11258 | 10142 | 6852 | 8633 | 12144 | 13171 | 10383 | 10100 | 12037 | 14121 | 12380 | 10832 | 11510 | 13059 | 14398 | 11730 | 10133 | 11766 | 12849 | 11182 | 12204 | 11842 | 9777 | 10053 |
| Daily Mean | 398.9 | 381.6 | 436.7 | 461.9 | 456.3 | 452.9 | 469.1 | 422.6 | 285.5 | 359.7 | 506.0 | 548.8 | 432.6 | 420.8 | 501.5 | 588.4 | 515.8 | 451.3 | 479.6 | 544.1 | 599.9 | 488.7 | 422.2 | 490.3 | 535.4 | 465.9 | 508.5 | 493.4 | 415.7 | 418.9 |

STATION LEVEL BAROMETRIC PRESSURE

Station Mawson

Year 1961

Month December

TABULATED Mean Hourly Pressure
(Units 0.1 Millibar) — 9400

TABLE 84

| Date Hour GMT | Month December | | | | | | | | | | | | | | | | | | | | | | | | 29 | 30 | 31 | | | | |
|---------------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 01 | 02 | 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 |
| 01 | 449 | 493 | 513 | 414 | 447 | 404 | 437 | 321 | 330 | 434 | 343 | 418 | 482 | 421 | 462 | 431 | 417 | 443 | 409 | 343 | 402 | 432 | 491 | 489 | 519 | 472 | 445 | 425 | 362 | 388 | 285 |
| 02 | 451 | 490 | 513 | 412 | 445 | 406 | 434 | 317 | 339 | 430 | 347 | 426 | 483 | 421 | 465 | 425 | 420 | 443 | 407 | 343 | 403 | 431 | 495 | 490 | 519 | 467 | 445 | 424 | 356 | 337 | 283 |
| 03 | 451 | 490 | 514 | 406 | 443 | 406 | 432 | 313 | 347 | 428 | 351 | 428 | 479 | 424 | 466 | 421 | 419 | 441 | 405 | 347 | 403 | 429 | 497 | 489 | 519 | 468 | 444 | 420 | 350 | 333 | 282 |
| 04 | 452 | 489 | 513 | 403 | 444 | 406 | 428 | 305 | 354 | 420 | 349 | 431 | 477 | 423 | 465 | 417 | 420 | 440 | 401 | 349 | 398 | 430 | 497 | 488 | 515 | 464 | 442 | 414 | 349 | 328 | 274 |
| 05 | 454 | 489 | 510 | 402 | 442 | 406 | 424 | 300 | 363 | 410 | 349 | 435 | 473 | 422 | 469 | 412 | 420 | 440 | 399 | 349 | 397 | 430 | 499 | 488 | 515 | 464 | 441 | 411 | 341 | 326 | 272 |
| 06 | 455 | 489 | 508 | 406 | 442 | 408 | 422 | 296 | 372 | 409 | 349 | 443 | 468 | 424 | 471 | 413 | 421 | 442 | 399 | 355 | 402 | 432 | 505 | 489 | 514 | 460 | 440 | 408 | 339 | 325 | 271 |
| 07 | 458 | 489 | 504 | 405 | 441 | 411 | 418 | 291 | 382 | 402 | 350 | 447 | 465 | 423 | 473 | 412 | 423 | 444 | 398 | 355 | 404 | 432 | 506 | 490 | 516 | 457 | 442 | 406 | 341 | 325 | 276 |
| 08 | 460 | 489 | 502 | 408 | 434 | 412 | 412 | 287 | 393 | 397 | 353 | 453 | 462 | 425 | 474 | 413 | 424 | 448 | 400 | 361 | 406 | 433 | 511 | 493 | 518 | 456 | 439 | 404 | 340 | 325 | 275 |
| 09 | 462 | 490 | 494 | 412 | 430 | 417 | 409 | 285 | 399 | 390 | 357 | 457 | 454 | 425 | 473 | 407 | 426 | 449 | 401 | 365 | 406 | 435 | 511 | 493 | 517 | 454 | 442 | 400 | 339 | 322 | 275 |
| 10 | 462 | 488 | 488 | 413 | 427 | 417 | 403 | 285 | 405 | 383 | 362 | 459 | 448 | 426 | 474 | 405 | 426 | 450 | 400 | 371 | 407 | 438 | 510 | 493 | 513 | 450 | 440 | 398 | 339 | 321 | 277 |
| 11 | 466 | 489 | 484 | 416 | 430 | 420 | 399 | 283 | 412 | 380 | 362 | 463 | 445 | 426 | 472 | 405 | 428 | 450 | 399 | 376 | 410 | 440 | 509 | 493 | 511 | 452 | 438 | 393 | 341 | 321 | 279 |
| 12 | 470 | 491 | 481 | 419 | 429 | 425 | 397 | 282 | 418 | 373 | 361 | 466 | 436 | 427 | 469 | 405 | 431 | 449 | 394 | 378 | 411 | 442 | 509 | 493 | 507 | 451 | 439 | 390 | 342 | 319 | 286 |
| 13 | 473 | 495 | 473 | 424 | 425 | 427 | 395 | 282 | 424 | 369 | 363 | 465 | 427 | 427 | 468 | 405 | 431 | 449 | 392 | 379 | 413 | 445 | 510 | 492 | 504 | 451 | 441 | 388 | 343 | 315 | 286 |
| 14 | 475 | 496 | 468 | 429 | 423 | 431 | 391 | 280 | 427 | 366 | 361 | 465 | 422 | 426 | 464 | 405 | 430 | 447 | 387 | 384 | 415 | 446 | 508 | 493 | 504 | 450 | 442 | 385 | 341 | 314 | 288 |
| 15 | 478 | 498 | 463 | 429 | 422 | 435 | 387 | 281 | 432 | 358 | 371 | 470 | 415 | 427 | 463 | 405 | 433 | 444 | 382 | 385 | 415 | 450 | 505 | 499 | 502 | 450 | 441 | 382 | 341 | 309 | 291 |
| 16 | 481 | 500 | 457 | 432 | 418 | 440 | 383 | 284 | 437 | 358 | 384 | 473 | 413 | 430 | 460 | 405 | 436 | 440 | 377 | 386 | 417 | 453 | 498 | 502 | 502 | 451 | 436 | 378 | 343 | 305 | 298 |
| 17 | 482 | 502 | 447 | 437 | 415 | 443 | 379 | 288 | 440 | 359 | 392 | 475 | 413 | 432 | 457 | 406 | 438 | 438 | 372 | 390 | 420 | 455 | 495 | 504 | 502 | 452 | 436 | 377 | 343 | 300 | 300 |
| 18 | 486 | 506 | 441 | 439 | 416 | 447 | 374 | 294 | 444 | 355 | 393 | 476 | 414 | 433 | 456 | 406 | 438 | 436 | 368 | 395 | 423 | 457 | 494 | 507 | 502 | 452 | 437 | 377 | 344 | 299 | 307 |
| 19 | 490 | 514 | 437 | 441 | 414 | 452 | 367 | 298 | 446 | 354 | 396 | 482 | 414 | 442 | 454 | 408 | 441 | 430 | 361 | 398 | 428 | 463 | 496 | 513 | 501 | 450 | 443 | 377 | 344 | 297 | 307 |
| 20 | 491 | 517 | 431 | 446 | 411 | 450 | 360 | 302 | 445 | 353 | 400 | 482 | 414 | 444 | 450 | 411 | 443 | 426 | 357 | 398 | 428 | 470 | 496 | 515 | 498 | 450 | 442 | 377 | 345 | 296 | 310 |
| 21 | 493 | 520 | 426 | 446 | 410 | 445 | 352 | 306 | 442 | 352 | 402 | 483 | 418 | 446 | 447 | 414 | 444 | 426 | 354 | 399 | 431 | 475 | 495 | 521 | 495 | 449 | 439 | 377 | 345 | 295 | 317 |
| 22 | 494 | 519 | 420 | 446 | 408 | 444 | 345 | 311 | 432 | 347 | 404 | 484 | 418 | 452 | 442 | 415 | 444 | 419 | 349 | 403 | 431 | 479 | 493 | 521 | 488 | 448 | 436 | 373 | 344 | 294 | 317 |
| 23 | 492 | 517 | 416 | 446 | 405 | 444 | 336 | 315 | 436 | 345 | 408 | 483 | 417 | 456 | 443 | 417 | 443 | 417 | 345 | 402 | 432 | 479 | 490 | 520 | 484 | 449 | 433 | 370 | 339 | 294 | 315 |
| 24 | 493 | 514 | 414 | 446 | 404 | 442 | 323 | 323 | 436 | 340 | 411 | 482 | 418 | 458 | 437 | 417 | 444 | 413 | 344 | 400 | 430 | 484 | 488 | 519 | 478 | 448 | 431 | 368 | 338 | 288 | 314 |
| Total | 11318 | 11974 | 11317 | 10177 | 10225 | 10238 | 9411 | 7129 | 9755 | 9112 | 8921 | 11046 | 10575 | 10360 | 11074 | 9880 | 10340 | 10524 | 9200 | 9011 | 9932 | 10760 | 12008 | 11994 | 12143 | 10915 | 10554 | 9422 | 8249 | 7526 | 6985 |
| Daily Mean | 471.6 | 498.9 | 471.5 | 424.0 | 426.0 | 426.6 | 392.1 | 297.0 | 406.5 | 379.7 | 371.7 | 460.3 | 440.6 | 431.7 | 461.4 | 411.7 | 430.8 | 438.5 | 383.3 | 375.5 | 413.8 | 448.3 | 500.3 | 499.7 | 505.9 | 454.8 | 439.7 | 392.6 | 343.7 | 313.6 | 291.0 |

RADIOSONDE DATA

Station *Mawson*

Year 1961

Month *January*

TABLE 85

| DATE | G.M.T. | RELEASE PRESSURE (Millibar) | HEIGHTS IN G.P.M. OF MILLIBAR LEVEL | | | | | | | | | | MEAN TEMPERATURE (°C) IN MILLIBAR INTERVAL | | | | | | |
|------|--------|-----------------------------|-------------------------------------|------|------|------|------|-------|-------|-------|-------|----|---|-----|-----|-----|-----|-----|----|
| | | | 1000 | 850 | 700 | 500 | 300 | 200 | 125 | 100 | 80 | 50 | 800 | 500 | 400 | 300 | 200 | 125 | 80 |
| 01 | 0016 | 984 | 110 | 1170 | 2652 | 5133 | 8599 | 11210 | 14387 | 15886 | 17401 | 21 | 35 | 47 | 53 | 43 | 42 | | |
| 02 | 0000 | 983 | 119 | 1158 | 2630 | 5099 | 8538 | 11168 | 14326 | 15846 | 17370 | 22 | 36 | 50 | 52 | 44 | 41 | | |
| 03 | 0000 | 986 | 92 | 1179 | 2652 | 5117 | 8577 | 11177 | 14326 | 15837 | 17355 | 22 | 35 | 48 | 55 | 45 | 41 | | |
| 04 | 0010 | 992 | 49 | 1234 | 2703 | 5121 | 8525 | 11177 | 14326 | 15865 | 17383 | 25 | 40 | 50 | 50 | 43 | 41 | | |
| 05 | 0010 | 988 | 82 | 1217 | 2694 | 5142 | 8562 | 11226 | 14387 | 15911 | 17401 | 23 | 38 | 50 | 50 | 43 | 41 | | |
| 06 | 0009 | 989 | 73 | 1216 | 2709 | 5163 | 8602 | 11274 | 14417 | | | 21 | 38 | 49 | 48 | 44 | | | |
| 07 | 0019 | 983 | 128 | 1170 | 2676 | 5178 | 8778 | 11393 | 14570 | 16118 | 17663 | 17 | 34 | 44 | 45 | 41 | 38 | | |
| 08 | 0038 | 987 | 82 | 1195 | | | | | | | | | | | | | | | |
| 09 | 0030 | 989 | 76 | 1219 | 2719 | 5227 | 8741 | 11454 | 14631 | 16191 | 17715 | 17 | 32 | 44 | 45 | 40 | 39 | | |
| 10 | 0012 | 991 | 61 | 1222 | 2697 | 5154 | 8596 | 11281 | 14448 | 15962 | 17450 | 22 | 37 | 48 | 47 | 43 | 42 | | |
| 12 | 0034 | 980 | 146 | 1146 | 2630 | 5108 | 8620 | 11226 | 14356 | 15883 | 17370 | 20 | 31 | 45 | 54 | 45 | 41 | | |
| 14 | 0025 | 984 | 113 | 1173 | 2642 | 5084 | 8492 | 11152 | 14326 | 15834 | 17355 | 23 | 40 | 50 | 50 | 43 | 41 | | |
| 15 | 0020 | 985 | 107 | 1173 | 2642 | 5078 | 8467 | 11125 | | | | 24 | 37 | 50 | 50 | | | | |
| 16 | 0037 | 984 | 98 | 1167 | 2652 | 5093 | 8504 | 11122 | 14265 | 15807 | 17334 | 22 | 39 | 51 | 52 | 43 | 40 | | |
| 17 | 0029 | 984 | 110 | 1158 | 2648 | 5090 | 8516 | 11171 | 14295 | 15831 | 17349 | 23 | 38 | 50 | 50 | 44 | 41 | | |
| 18 | 0017 | 993 | 34 | 1240 | 2703 | 5127 | 8541 | 11220 | 14387 | 15904 | 17428 | 25 | 40 | 49 | 48 | 43 | 41 | | |
| 19 | 0028 | 993 | 40 | 1243 | 2725 | 5148 | 8565 | 11262 | 14417 | 15968 | 17666 | 24 | 39 | 49 | 47 | 42 | 39 | | |
| 20 | 0027 | 991 | 52 | 1219 | 2682 | 5075 | | | | | | 26 | 42 | | | | | | |
| 21 | 0035 | 996 | 15 | 1259 | 2719 | 5105 | 8477 | 11168 | 14356 | 15874 | 17398 | 28 | 42 | 53 | 47 | 42 | 40 | | |
| 22 | 0000 | 993 | 37 | 1228 | 2682 | 5078 | 8455 | 11162 | 14326 | 15862 | 17383 | 27 | 43 | 51 | 45 | 42 | 41 | | |
| 23 | 0017 | 988 | 76 | 1189 | 2642 | 5063 | 8489 | 11198 | 14387 | 15917 | 17444 | 26 | 38 | 49 | 46 | 41 | 40 | | |
| 24 | 0007 | 981 | 131 | 1131 | 2585 | 5023 | 8470 | 11168 | 14356 | 15880 | 17404 | 24 | 36 | 49 | 47 | 41 | 40 | | |
| 27 | 0011 | 982 | 128 | 1140 | 2597 | 4980 | 8367 | 11082 | 14234 | 15792 | 17313 | 28 | 44 | 49 | 44 | 41 | 41 | | |
| 28 | 0000 | 973 | 201 | 1067 | 2527 | 4931 | 8339 | 11057 | 14234 | 15798 | 17322 | 28 | 41 | 49 | 45 | 41 | 40 | | |
| 29 | 0040 | 981 | 140 | 1121 | 2597 | 5029 | 8452 | 11149 | 14326 | 15874 | 17404 | 24 | 39 | 50 | 47 | 41 | 39 | | |
| 30 | 0036 | 1000 | 150 | 1206 | 2746 | 5160 | 8568 | 11250 | 14417 | 15944 | 17465 | 25 | 40 | 51 | 48 | 42 | 41 | | |
| 31 | 0025 | 987 | 88 | 1182 | 2645 | 5081 | 8538 | 11259 | 14417 | 15947 | 17462 | 23 | 39 | 45 | 44 | 42 | 42 | | |

RADIOSONDE DATA

Station *Mawson*

Year *1961*

Month *February*

TABLE 86

| DATE | G.M.T. | RELEASE PRESSURE (Millibar) | HEIGHTS IN G.P.M. OF MILLIBAR LEVEL | | | | | | | | | | MEAN TEMPERATURE (°C) IN MILLIBAR INTERVAL | | | | | | | | | |
|------|--------|-----------------------------|-------------------------------------|------|------|------|------|-------|-------|-------|-------|-------|---|-----|-----|-----|-----|-----|----|----|--|--|
| | | | 1000 | 850 | 700 | 500 | 300 | 200 | 125 | 100 | 80 | 50 | 800 | 500 | 400 | 300 | 200 | 125 | 80 | 50 | | |
| 01 | 0040 | 983 | 125 | 1152 | 2615 | 5053 | 8489 | 11204 | 14417 | 15901 | 17422 | 24 | 38 | 49 | 45 | 42 | 41 | | | | | |
| 02 | 0050 | 984 | 113 | 1155 | 2633 | 5102 | 8577 | 11281 | 14478 | 15968 | 17486 | 20 | 35 | 45 | 46 | 42 | 41 | | | | | |
| 03 | 0045 | 988 | 76 | 1189 | 2676 | 5163 | 8620 | 11329 | 14509 | 16008 | 17505 | 20 | 36 | 48 | 46 | 43 | 43 | | | | | |
| 04 | 0044 | 996 | 18 | 1256 | 2782 | 5252 | 8787 | 11415 | 14539 | 16045 | 17541 | 17 | 30 | 43 | 52 | 45 | 44 | | | | | |
| 05 | 0040 | 990 | 64 | 1213 | 2700 | 5197 | 8726 | 11348 | 14478 | 15981 | 17474 | 20641 | 18 | 30 | 43 | 53 | 45 | 45 | 43 | | | |
| 08 | 0010 | 991 | 55 | 1228 | 2700 | 5163 | 8617 | 11238 | 14387 | 15871 | 17364 | 22 | 35 | 48 | 52 | 45 | 45 | | | | | |
| 09 | 0015 | 994 | 31 | 1240 | 2713 | 5166 | 8617 | 11247 | 14417 | 15895 | 17398 | 21 | 35 | 48 | 51 | 45 | 45 | | | | | |
| 10 | 0050 | 996 | 21 | 1240 | 2709 | 5157 | 8599 | 11223 | 14356 | | | 21 | 36 | 48 | 53 | 44 | | | | | | |
| 11 | 0050 | 993 | 43 | 1225 | 2688 | 5133 | 8562 | 11198 | 14326 | 15862 | | 23 | 38 | 49 | 52 | 42 | | | | | | |
| 12 | 0038 | 993 | 43 | 1222 | 2678 | 5114 | 8531 | 11192 | 14295 | 15843 | 17324 | 24 | 38 | 50 | 50 | 44 | 44 | | | | | |
| 13 | 0020 | 993 | 58 | 1225 | 2679 | 5115 | 8551 | 11214 | 14356 | 15868 | 17368 | 24 | 38 | 48 | 50 | 44 | 44 | | | | | |
| 14 | 0010 | 992 | 64 | 1222 | 2688 | 5146 | 8638 | 11268 | | | | 22 | 34 | 44 | 52 | | | | | | | |
| 15 | 0015 | 990 | 61 | 1210 | 2679 | 5139 | 8608 | 11235 | 14387 | 15868 | 17370 | 20562 | 22 | 35 | 47 | 53 | 46 | 44 | 43 | | | |
| 24 | 0055 | 1004 | 143 | 1338 | 2938 | 5294 | 8735 | 11461 | 14692 | 16228 | 17779 | 36 | 39 | 47 | 44 | 39 | 36 | | | | | |
| 25 | 0015 | 998 | 03 | 1259 | 2722 | 5139 | 8547 | 11247 | 14448 | 15911 | 17413 | 25 | 41 | 49 | 47 | 43 | 43 | | | | | |
| 26 | 0040 | 991 | 52 | 1198 | 2652 | 5102 | 8550 | 11223 | 14387 | 15883 | | 23 | 36 | 48 | 48 | 44 | 44 | | | | | |

TABLE 87

RADIOSONDE DATA
 Station Mawson
 Year 1961
 Month March

| DATE | G.M.T. | RELEASE PRESSURE (Millibar) | HEIGHTS IN G.P.M. OF MILLIBAR LEVEL | | | | | | | | | | MEAN TEMPERATURE (°C) IN MILLIBAR INTERVAL | | | | | | | | | |
|------|--------|-----------------------------|-------------------------------------|------|------|------|------|-------|-------|-------|-------|----|---|-----|-----|-----|-----|-----|----|----|--|--|
| | | | 1000 | 850 | 700 | 500 | 300 | 200 | 125 | 100 | 80 | 50 | 800 | 500 | 400 | 300 | 200 | 125 | 80 | 50 | | |
| 01 | 0045 | 986 | 95 | 1167 | 2633 | 5050 | 8471 | 11113 | 14265 | 15798 | 17316 | 24 | 39 | 50 | 51 | 43 | 41 | | | | | |
| 02 | 0105 | 995 | 24 | 1222 | 2673 | 5105 | 8507 | 11189 | 14356 | 15840 | 17352 | 25 | 40 | 50 | 48 | 45 | 52 | | | | | |
| 04 | 0010 | 981 | 134 | 1134 | 2597 | 5029 | 8446 | 11098 | 14204 | 15749 | 17248 | 24 | 39 | 50 | 50 | 44 | 44 | 43 | | | | |
| 05 | 0040 | 993 | 49 | 1198 | 2648 | 5081 | 8504 | 11122 | | | | 25 | 38 | 50 | 53 | | | | | | | |
| 06 | 0035 | 997 | 9 | 1234 | 2697 | 5169 | 8611 | 11192 | 14234 | 15785 | 17276 | 26 | 36 | 49 | 56 | 48 | 45 | | | | | |
| 08 | 0045 | 981 | 140 | 1097 | 2554 | 4947 | 8294 | 10970 | 14143 | 15621 | 17126 | 27 | 45 | 54 | 48 | 44 | 43 | | | | | |
| 09 | 0020 | 983 | 122 | 1106 | 2533 | 4922 | 8300 | 10979 | 14143 | 15624 | 17120 | 29 | 42 | 52 | 48 | 45 | 44 | | | | | |
| 10 | 0030 | 979 | 143 | 1085 | 2512 | 4928 | 8327 | 10994 | 14173 | 15645 | 17126 | 27 | 41 | 51 | 48 | 45 | 43 | | | | | |
| 11 | 0020 | 971 | 210 | 1027 | 2469 | 4874 | 8254 | 10930 | 14112 | 15584 | 17084 | 27 | 42 | 51 | 48 | 44 | 43 | | | | | |
| 12 | 0035 | 980 | 140 | 1094 | 2533 | 4938 | 8315 | 10985 | 14143 | 15618 | | 27 | 42 | 53 | 49 | 45 | 45 | | | | | |
| 13 | 0025 | 990 | 64 | 1179 | 2618 | 5026 | 8391 | 11000 | 14112 | 15593 | 17081 | 28 | 42 | 54 | 53 | 47 | 46 | | | | | |
| 14 | 0025 | 991 | 52 | 1201 | 2633 | 4983 | 8321 | 10997 | 14387 | 15587 | 17060 | 32 | 47 | 53 | 48 | 47 | 48 | | | | | |
| 15 | 0030 | 995 | 27 | 1204 | 2642 | 5038 | 8428 | 11067 | 14173 | 15633 | 17099 | 28 | 42 | 51 | 51 | 48 | 49 | | | | | |
| 16 | 0020 | 1001 | 27 | 1271 | 2737 | 5209 | 8723 | 11388 | 14356 | 15798 | 17248 | 20 | 32 | 44 | 56 | 52 | 41 | | | | | |
| 20 | 0025 | 980 | 140 | 1115 | 2573 | 5014 | 8425 | 11070 | 14173 | 15651 | 17120 | 24 | 39 | 50 | 50 | 48 | 49 | | | | | |
| 21 | 0035 | 978 | 156 | 1091 | 2527 | 4904 | 8306 | 10967 | 14112 | 15551 | 17014 | 31 | 43 | 48 | 48 | 47 | 49 | | | | | |
| 22 | 0030 | 979 | 146 | 1106 | 2536 | 4886 | 8260 | 10946 | | | | 32 | 46 | 49 | 47 | | | | | | | |
| 23 | 0020 | 989 | 73 | 1176 | 2618 | 4959 | 8303 | 10994 | 14112 | 15578 | 17039 | 32 | 46 | 52 | 47 | 47 | 49 | | | | | |
| 25 | 0015 | 991 | 49 | 1176 | 2582 | 4971 | 8370 | 11030 | 14143 | 15581 | | 30 | 41 | 50 | 49 | 49 | | | | | | |
| 26 | 0025 | 991 | 49 | | | | 8370 | 11021 | 14143 | 15587 | 17039 | 30 | 41 | 49 | 50 | 48 | 51 | | | | | |
| 27 | 0020 | 988 | 00 | 1225 | 2639 | 4989 | 8373 | 11021 | 14173 | 15651 | 17120 | 33 | 43 | 51 | 50 | 45 | 47 | | | | | |
| 28 | 0030 | 983 | 116 | 1115 | 2542 | 4938 | 8339 | 11015 | 14143 | | | 28 | 41 | 51 | 47 | 46 | | | | | | |
| 29 | 0025 | 970 | 226 | 1046 | 2512 | 4956 | 8391 | 11021 | 14173 | 15627 | | 23 | 47 | 50 | 52 | 46 | | | | | | |
| 30 | 0020 | 971 | 223 | 1058 | 2527 | | | | | | | 25 | 40 | 52 | 49 | | | | | | | |
| 31 | 0020 | 984 | 113 | 1164 | 2630 | 5038 | 8431 | 11055 | 14173 | 15639 | | 26 | 41 | 52 | 53 | 47 | | | | | | |

RADIOSONDE DATA

Station *Mawson*

Year 1961

Month April

TABLE 88

| DATE | G.M.T. | RELEASE PRESSURE (Millibars) | HEIGHTS IN G.P.M. OF MILLIBAR LEVEL | | | | | | | | | | MEAN TEMPERATURE (°C) IN MILLIBAR INTERVAL | | | | | | | | | | | | | |
|------|--------|------------------------------|-------------------------------------|------|------|------|------|-------|-------|-------|-------|----|--|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|
| | | | 1000 | 850 | 700 | 500 | 300 | 200 | 125 | 100 | 80 | 50 | 800 | 500 | 400 | 300 | 200 | 125 | 80 | 50 | | | | | | |
| 01 | 0020 | 983 | 122 | 1124 | 2567 | 4980 | 8416 | 11110 | 14204 | 15673 | | | | | | | | | | | 26 | 39 | 47 | 46 | 48 | |
| 03 | 0015 | 989 | 70 | 1185 | 2636 | 5050 | 8490 | 11122 | | | | | | | | | | | | | 26 | 39 | 49 | 51 | | |
| 04 | 0025 | 988 | 73 | 1173 | 2624 | 5081 | 8571 | | | | | | | | | | | | | | 24 | 34 | 46 | | | |
| 06 | 0030 | 978 | 177 | 1097 | 2564 | 4965 | 8303 | 10964 | 14082 | 15533 | 16987 | | | | | | | | | | 26 | 45 | 54 | 49 | 48 | 50 |
| 07 | 0020 | 985 | 101 | 1137 | 2582 | 4965 | 8306 | 10933 | 14021 | 15444 | | | | | | | | | | | 29 | 46 | 54 | 52 | 51 | |
| 08 | 0020 | 987 | 82 | 1161 | 2621 | 5041 | 8446 | 11027 | 14082 | 15530 | 16968 | | | | | | | | | | 25 | 41 | 50 | 55 | 51 | 53 |
| 09 | 0025 | 993 | 43 | 1185 | 2636 | 5038 | 8400 | 11000 | 14082 | 15496 | | | | | | | | | | | 27 | 43 | 52 | 55 | 51 | |
| 10 | 0015 | 1000 | 15 | 1216 | 2645 | 5050 | 8434 | 11085 | 14173 | 15596 | 17023 | | | | | | | | | | 27 | 42 | 51 | 50 | 50 | 54 |
| 11 | 0030 | 1000 | 15 | 1225 | 2667 | 5108 | 8571 | | | | | | | | | | | | | | 24 | 36 | 46 | | | |
| 12 | 0035 | 995 | 40 | 1189 | 2624 | 5006 | 8516 | 11128 | 14234 | 15673 | 17120 | | | | | | | | | | 24 | 38 | 47 | 53 | 49 | 51 |
| 13 | 0025 | 989 | 64 | 1149 | 2594 | 5023 | 8470 | | | | | | | | | | | | | | 23 | 37 | 47 | | | |
| 14 | 0030 | 987 | 88 | 1167 | 2615 | 5063 | 8483 | 11058 | 14112 | 15542 | | | | | | | | | | | 24 | 38 | 50 | 56 | 52 | |
| 15 | 0020 | 989 | 64 | 1182 | 2639 | 5056 | 8455 | 11049 | 14143 | 15551 | | | | | | | | | | | 26 | 40 | 51 | 55 | 51 | |
| 16 | 0020 | 991 | 52 | 1195 | 2648 | 5050 | 8428 | 11024 | 14082 | 15527 | 16962 | | | | | | | | | | 27 | 42 | 52 | 54 | 51 | |
| 17 | 0025 | 1003 | 40 | 1268 | 2703 | 5111 | 8486 | 11088 | 14173 | 15593 | | | | | | | | | | | 26 | 42 | 52 | 54 | 51 | |
| 18 | 0025 | 1006 | 61 | 1289 | 2713 | 5087 | 8461 | 11134 | 14204 | 15657 | | | | | | | | | | | 30 | 43 | 52 | 48 | 50 | |
| 19 | 0025 | 996 | 15 | 1189 | 2609 | 4986 | 8403 | 11101 | 14173 | 15627 | | | | | | | | | | | 30 | 43 | 47 | 46 | 50 | 53 |
| 20 | 0025 | 990 | 61 | 1164 | 2576 | 4934 | 8324 | 11009 | 14112 | 15563 | 16999 | | | | | | | | | | 31 | 42 | 50 | 47 | 48 | 52 |
| 21 | 0025 | 983 | 119 | 1091 | 2493 | 4853 | 8260 | 10946 | 14051 | 15472 | 16904 | | | | | | | | | | 33 | 44 | 47 | 47 | 49 | 53 |
| 22 | 0020 | 989 | 76 | 1164 | 2624 | 5084 | 8538 | 11101 | 14143 | 15566 | | | | | | | | | | | 22 | 35 | 48 | 57 | 53 | |
| 23 | 0035 | 992 | 43 | 1204 | 2667 | 5142 | 8592 | 11140 | 14173 | 15606 | 17035 | | | | | | | | | | 21 | 35 | 48 | 59 | 53 | 54 |
| 24 | 0025 | 981 | 113 | 1128 | 2585 | 5035 | | | | | | | | | | | | | | | 23 | 38 | | | | |
| 25 | 0100 | 972 | 201 | 1015 | 2451 | 4889 | 8321 | 10878 | 13930 | 15341 | | | | | | | | | | | 24 | 37 | 49 | 58 | 53 | 56 |
| 26 | 0040 | 977 | 156 | 1067 | 2496 | 4916 | 8278 | 10897 | 13869 | 15289 | 16694 | | | | | | | | | | 26 | 42 | 54 | 58 | 55 | 58 |
| 27 | 0030 | 985 | 104 | 1115 | 2551 | 4959 | 8324 | 10854 | 13808 | 15163 | 16563 | | | | | | | | | | 27 | 42 | 53 | 63 | 59 | 60 |
| 28 | 0025 | 985 | 95 | 1118 | 2551 | 4931 | 8272 | 10802 | 13777 | 15176 | 16560 | | | | | | | | | | 29 | 44 | 55 | 60 | 57 | 61 |
| 29 | 0020 | 984 | 113 | 1079 | 2490 | 4847 | 8138 | 10699 | 13716 | 15072 | 16447 | | | | | | | | | | 31 | 47 | 58 | 57 | 57 | 62 |
| 30 | 0020 | 990 | 58 | 1140 | 2561 | 4898 | 8181 | 10793 | 13808 | 15164 | 16541 | | | | | | | | | | 32 | 50 | 58 | 55 | 57 | 61 |

RADIOSONDE DATA

Station *Mawson*

Year *1961*

Month *May*

TABLE 89

| DATE | G.M.T. | RELEASE PRESSURE (Millibar) | HEIGHTS IN G.P.M. OF MILLIBAR LEVEL | | | | | | | | | | MEAN TEMPERATURE (°C) IN MILLIBAR INTERVAL | | | | | | | | | | | |
|------|--------|-----------------------------|-------------------------------------|------|------|------|------|-------|-------|-------|-------|-----|--|-----|-----|-----|-----|----|----|----|----|----|----|----|
| | | | 850 | 700 | 500 | 300 | 200 | 125 | 100 | 80 | 50 | 800 | 500 | 400 | 300 | 200 | 125 | 80 | 50 | | | | | |
| 01 | 0050 | 985 | 92 | 1097 | 2478 | 4816 | 8150 | 10796 | 13838 | 15240 | | | | | | | | | | 35 | 47 | 53 | 51 | 54 |
| 02 | 0030 | 985 | 98 | 1128 | 2539 | 4853 | 8172 | 10814 | 13838 | 15237 | 16627 | | | | | | | | | 35 | 49 | 53 | 50 | 54 |
| 05 | 0030 | 981 | 134 | 1100 | 2545 | 4974 | 8388 | 10964 | 13991 | 15389 | 16788 | | | | | | | | | 25 | 39 | 51 | 57 | 54 |
| 06 | 0040 | 975 | 177 | 1052 | 2487 | 4862 | 8217 | 10848 | 14021 | | | | | | | | | | | 30 | 45 | 53 | 52 | 52 |
| 07 | 0100 | 979 | 153 | 1088 | 2512 | 4883 | 8230 | 10866 | 13899 | 15310 | | | | | | | | | | 30 | 45 | 53 | 52 | 53 |
| 08 | 0020 | 980 | 140 | 1106 | 2536 | 4922 | 8281 | 10915 | 13960 | 15377 | 16779 | | | | | | | | | 30 | 44 | 53 | 51 | 52 |
| 09 | 0025 | 973 | 195 | 1049 | 2481 | 4856 | 8245 | 10924 | 14021 | 15441 | 16868 | | | | | | | | | 30 | 44 | 49 | 48 | 50 |
| 10 | 0100 | 980 | 159 | 1106 | 2545 | 4965 | 8391 | 10976 | 14021 | 15435 | 16849 | | | | | | | | | 26 | 38 | 50 | 56 | 53 |
| 11 | 0020 | 990 | 67 | 1182 | 2612 | 5014 | 8437 | 10982 | 13991 | 15405 | | | | | | | | | | 28 | 38 | 50 | 59 | 55 |
| 12 | 0015 | 985 | 95 | 1121 | 2536 | 4941 | 8342 | 10878 | 13869 | 15289 | | | | | | | | | | 28 | 38 | 52 | 60 | 56 |
| 13 | 0030 | 985 | 104 | 1131 | 2556 | 4910 | 8265 | 10897 | 13930 | 15390 | 16727 | | | | | | | | | 31 | 44 | 52 | 53 | 55 |
| 15 | 0020 | 980 | 143 | 1109 | 2548 | 4968 | 8358 | 10939 | 13899 | 15341 | 16727 | | | | | | | | | 27 | 41 | 52 | 56 | 56 |
| 16 | 0015 | 983 | 116 | 1140 | 2585 | 4999 | 8413 | 10982 | 13960 | 15371 | 16755 | | | | | | | | | 26 | 38 | 51 | 57 | 59 |
| 17 | 0020 | 985 | 104 | 1155 | 2606 | 5072 | 8477 | 10985 | 13960 | 15338 | | | | | | | | | | 22 | 38 | 52 | 62 | 59 |
| 18 | 0000 | 986 | 85 | 1140 | 2585 | 5041 | 8446 | 10955 | 13930 | | | | | | | | | | | 22 | 38 | 52 | 62 | 58 |
| 19 | 0000 | 989 | 64 | 1143 | 2557 | 4968 | 8345 | 10903 | 13869 | 15234 | 16544 | | | | | | | | | 27 | 41 | 52 | 58 | 59 |
| 20 | 0020 | 989 | 70 | 1143 | 2557 | 4959 | | | | | | | | | | | | | | 28 | | | | |
| 21 | 0015 | 985 | 89 | 1112 | 2512 | 4883 | 8220 | 10799 | 13747 | 15109 | 16453 | | | | | | | | | 31 | 46 | 54 | 56 | 60 |
| 22 | 0105 | 984 | 110 | 1124 | 2545 | 4880 | 8162 | 10699 | 13625 | 14956 | | | | | | | | | | 33 | 50 | 58 | 60 | 62 |
| 23 | 0015 | 993 | 37 | 1201 | 2624 | 4971 | 8284 | 10796 | 13716 | 15048 | | | | | | | | | | 32 | 47 | 55 | 62 | 63 |
| 24 | 0040 | 1001 | 27 | 1250 | 2673 | 5041 | 8373 | 10903 | 13777 | 15158 | 16493 | | | | | | | | | 30 | 45 | 55 | 60 | 62 |
| 25 | 0015 | 994 | 37 | 1207 | 2655 | 5166 | 8547 | 11056 | 13960 | 15335 | 16688 | | | | | | | | | 25 | 40 | 53 | 62 | 62 |
| 26 | 0050 | 993 | 43 | 1204 | 2673 | 5142 | 8571 | 11061 | 13960 | 15362 | 16734 | | | | | | | | | 20 | 37 | 50 | 64 | 61 |
| 27 | 0015 | 1002 | 21 | 1240 | 2694 | 5157 | 8589 | 11061 | 14021 | 15362 | 16734 | | | | | | | | | 22 | 37 | 49 | 65 | 61 |
| 28 | 0020 | 1003 | 37 | 1256 | 2688 | 5121 | 8522 | 11024 | 13960 | 15328 | 16691 | | | | | | | | | 24 | 39 | 52 | 62 | 61 |
| 29 | 0020 | 999 | 6 | 1237 | 2667 | 5069 | 8425 | 10970 | 13899 | 15267 | 16618 | | | | | | | | | 28 | 43 | 55 | 59 | 60 |
| 30 | 0045 | 994 | 31 | 1201 | 2633 | 5084 | 8556 | 11043 | 13930 | 15301 | | | | | | | | | | 24 | 34 | 48 | 65 | 64 |
| 31 | 0010 | 992 | 49 | 1179 | 2615 | 5029 | 8403 | 10946 | 13899 | 15319 | 16703 | | | | | | | | | 27 | 42 | 53 | 59 | 57 |

RADIOSONDE DATA

Station *Mawson*

Year 1961

Month *June*

TABLE 90

| DATE | G.M.T. | RELEASE PRESSURE (Millibar) | HEIGHTS IN G.P.M. OF MILLIBAR LEVEL | | | | | | | MEAN TEMPERATURE (°C) IN MILLIBAR INTERVAL | | | | | | | | | | |
|------|--------|-----------------------------|-------------------------------------|------|------|------|------|-------|-------|---|-------|----|-----|-----|-----|-----|-----|-----|----|-----|
| | | | 1000 | 850 | 700 | 500 | 300 | 200 | 125 | 100 | 80 | 50 | 800 | 500 | 400 | 300 | 200 | 125 | 80 | -80 |
| 01 | 0010 | 999 | 9 | 1222 | 2649 | 5032 | 8358 | 10869 | 13777 | 15194 | 16566 | 28 | 44 | 57 | 62 | 59 | 63 | | | |
| 03 | 0050 | 988 | 70 | 1124 | 2533 | 4928 | 8287 | 10790 | 13686 | 15008 | 16340 | 29 | 44 | 51 | 63 | 65 | 68 | | | |
| 04 | 0015 | 980 | 137 | 1055 | 2451 | 4822 | 8159 | 10668 | 13564 | 14941 | 16292 | 30 | 40 | 54 | 62 | 62 | 65 | | | |
| 05 | 0015 | 998 | 3 | 1173 | 2582 | 4977 | 8364 | 10886 | 13777 | 15164 | 16505 | 29 | 41 | 52 | 61 | 62 | 66 | | | |
| 06 | 0050 | 1019 | 156 | 1372 | 2828 | 5322 | 8827 | 11320 | 14173 | 15512 | | 20 | 32 | 46 | 63 | 67 | | | | |
| 07 | 0030 | 1013 | 113 | 1381 | 2880 | 5410 | 8879 | 11387 | 14204 | 15539 | | 14 | 31 | 46 | 65 | 69 | | | | |
| 08 | 0015 | 1009 | 85 | 1365 | 2859 | 5383 | 8854 | 11332 | 14173 | 15569 | | 27 | 34 | 48 | 65 | 66 | 63 | | | |
| 09 | 0020 | 1004 | 46 | 1311 | 2767 | 5200 | 8617 | 11149 | 14051 | 15438 | 16801 | 24 | 37 | 51 | 60 | 61 | 64 | | | |
| 11 | 0020 | 999 | 9 | 1231 | 2667 | 5053 | 8452 | 10994 | 13869 | 15222 | 16541 | 29 | 41 | 51 | 59 | 64 | 70 | | | |
| 12 | 0005 | 993 | 40 | 1176 | 2603 | 5050 | 8470 | 10976 | 13808 | 15152 | 16465 | 24 | 38 | 50 | 62 | 67 | 71 | | | |
| 13 | 0015 | 992 | 43 | 1173 | 2588 | 5008 | 8440 | 10961 | 13869 | 15237 | 16575 | 27 | 38 | 49 | 61 | 61 | 67 | | | |
| 15 | 0045 | 981 | 143 | 1091 | 2515 | 4919 | 8275 | 10817 | | | | 28 | 43 | 53 | 59 | | | | | |
| 16 | 0050 | 973 | 198 | 1046 | 2484 | 4871 | 8208 | 10744 | 13686 | 15033 | 16395 | 28 | 43 | 55 | 59 | 61 | 64 | | | |
| 17 | 0045 | 981 | 128 | 1097 | 2506 | 4871 | 8187 | 10702 | 13564 | 14929 | 16258 | 31 | 46 | 56 | 61 | 65 | 68 | | | |
| 18 | 0010 | 984 | 104 | 1112 | 2518 | 4865 | 8175 | 10692 | 13564 | 14905 | | 32 | 47 | 55 | 61 | 65 | | | | |
| 19 | 0030 | 985 | 98 | 1115 | 2509 | 4831 | 8150 | 10677 | 13869 | 14923 | | 35 | 47 | 55 | 60 | 63 | | | | |
| 20 | 0040 | 984 | 107 | 1109 | 2518 | 4874 | 8226 | 10732 | | | | 32 | 44 | 53 | 62 | | | | | |
| 23 | 0045 | 977 | 156 | 1055 | 2478 | 4874 | 8205 | 10714 | 13564 | 14935 | 16264 | 28 | 44 | 56 | 62 | 65 | 68 | | | |
| 24 | 0000 | 990 | 61 | 1152 | 2594 | 4986 | 8303 | 10769 | 13625 | 14941 | 16246 | 28 | 45 | 57 | 66 | 67 | 72 | | | |
| 25 | 0010 | 1001 | 21 | 1237 | 2682 | 5096 | 8434 | 10839 | 13594 | | | 26 | 42 | 56 | 69 | 73 | | | | |
| 26 | 0000 | 991 | 58 | 1182 | 2636 | | | | | | | | | | | | | | | |
| 28 | 0010 | 997 | 6 | 1189 | 2603 | 4989 | 8364 | 10849 | 13716 | | | 29 | 43 | 57 | 65 | 69 | | | | |
| 29 | 0000 | 995 | 64 | 1140 | 2567 | 5060 | 8580 | 11055 | 13686 | | | 21 | 30 | 44 | 65 | 77 | | | | |

RADIOSONDE DATA

Station *Mawson*

Year 1961

Month August

TABLE 92

| DATE | G.M.T. | RELEASE PRESSURE (Millibar) | HEIGHTS IN G.P.M. OF MILLIBAR LEVEL | | | | | | | | MEAN TEMPERATURE (°C) IN MILLIBAR INTERVAL | | | | | | | | |
|------|--------|-----------------------------------|-------------------------------------|------|------|------|------|-------|-------|-------|---|----|-----|-----|-----|-----|-----|-----|----|
| | | | 1000 | 850 | 700 | 500 | 300 | 200 | 125 | 100 | 80 | 50 | 800 | 500 | 400 | 300 | 200 | 125 | 80 |
| 01 | 0005 | 986 | 86 | 1115 | 2509 | 4847 | 8120 | 10558 | 13320 | 14582 | 34 | 49 | 59 | 68 | 72 | | | | |
| 03 | 0010 | 976 | 174 | 1082 | 2527 | 4910 | 8263 | 10726 | 13472 | | 29 | 45 | 53 | 66 | 75 | | | | |
| 04 | 0015 | 981 | 134 | 1097 | 2509 | 4837 | 8196 | 10689 | 13472 | 14789 | 34 | 45 | 53 | 63 | 70 | | | | |
| 05 | 0020 | 979 | 143 | 1094 | 2536 | 4938 | 8266 | 10735 | 13564 | 14886 | 27 | 43 | 57 | 65 | 67 | | | | |
| 06 | 0010 | 985 | 101 | 1118 | 2542 | 4901 | 8193 | 10652 | 13503 | 14771 | 31 | 47 | 58 | 65 | 69 | | | | |
| 07 | 0030 | 986 | 101 | 1100 | 2487 | 4819 | 8117 | 10570 | 13381 | 14655 | 35 | 47 | 57 | 67 | 71 | | | | |
| 08 | 0045 | 981 | 131 | 1061 | 2493 | 4877 | 8202 | 10616 | | | 28 | 44 | 57 | 70 | | | | | |
| 09 | 0050 | 977 | 125 | 1027 | 2445 | 4822 | 8104 | 10537 | | | 30 | 47 | 59 | 68 | | | | | |
| 10 | 0010 | 974 | 174 | 1000 | 2381 | 4728 | 7998 | 10458 | | | 34 | 49 | 60 | 66 | 70 | | | | |
| 11 | 0020 | 965 | 88 | 1082 | 2445 | 4786 | 8062 | 10525 | 13350 | | 35 | 49 | 58 | 66 | 72 | | | | |
| 12 | 0040 | 974 | 128 | 1061 | 2457 | 4837 | 8193 | 10622 | | | 30 | 44 | 54 | 69 | 74 | | | | |
| 15 | 0030 | 984 | 107 | 1109 | 2539 | 4925 | 7961 | 10735 | | | 29 | 43 | 54 | 65 | | | | | |
| 16 | 0015 | 983 | 116 | 1097 | 2506 | 4898 | 8254 | 10717 | | | 29 | 43 | 54 | 66 | 73 | | | | |
| 17 | 0015 | 975 | 174 | 1049 | 2466 | 4837 | 8162 | 10601 | 13320 | 14591 | 30 | 45 | 56 | 68 | 75 | | | | |
| 18 | 0200 | 978 | 149 | 1049 | 2439 | 4798 | 8101 | 10500 | | | 33 | 46 | 57 | 71 | 77 | | | | |
| 19 | 0440 | 984 | 107 | 1067 | 2445 | 4773 | 8034 | 10467 | 13137 | 14466 | 35 | 50 | 60 | 69 | 75 | 82 | | | |
| 20 | 0105 | 984 | 95 | 1088 | 2460 | 4779 | 8111 | 10577 | | | 37 | 45 | 54 | 66 | 73 | | | | |
| 21 | 0030 | 987 | 85 | 1106 | 2490 | 4834 | 8132 | 10549 | | | 34 | 47 | 58 | 70 | 77 | | | | |
| 22 | 0010 | 990 | 67 | 1118 | 2506 | 4834 | 8126 | 10586 | 13350 | 14637 | 35 | 48 | 58 | 66 | 72 | 79 | | | |
| 23 | 0010 | 996 | 9 | 1170 | 2561 | 4895 | 8208 | 10634 | 13411 | 14737 | 34 | 46 | 57 | 69 | 70 | | | | |
| 24 | 0010 | 996 | 18 | 1173 | 2578 | 4934 | 8257 | 10671 | 13411 | 14670 | 31 | 45 | 57 | 70 | 75 | | | | |
| 25 | 0030 | 995 | 27 | 1179 | 2594 | 4992 | 8330 | 10744 | | | 28 | 43 | 56 | 70 | 74 | | | | |
| 28 | 0015 | 961 | 302 | 951 | 2393 | 4773 | 8095 | 10534 | 13899 | 14603 | 29 | 45 | 56 | 69 | 71 | | | | |
| 30 | 0010 | 994 | 94 | 1210 | 2639 | 4989 | 8260 | 10674 | 13411 | | 31 | 49 | 60 | 71 | 76 | | | | |
| 31 | 0010 | 1012 | 110 | 1341 | 2786 | 5182 | 8562 | 10985 | | | 27 | 40 | 54 | 70 | 73 | | | | |

RADIOSONDE DATA

Station *Mawson*

Year 1961

Month September

TABLE 93

| DATE | G.M.T. | RELEASE PRESSURE (Millibar) | HEIGHTS IN G.P.M. OF MILLIBAR LEVEL | | | | | | | MEAN TEMPERATURE (°C) IN MILLIBAR INTERVAL | | | | | | | | | |
|------|--------|-----------------------------|-------------------------------------|------|------|------|------|-------|-------|---|-------|----|---------|---------|---------|---------|---------|--------|-------|
| | | | 1000 | 850 | 700 | 500 | 300 | 200 | 125 | 100 | 80 | 50 | 800-500 | 500-400 | 400-300 | 300-200 | 200-125 | 125-80 | 80-50 |
| 01 | 0030 | 1015 | 134 | 1378 | 2838 | 5304 | 8778 | 11256 | 13930 | 15127 | | | | 21 | 35 | 47 | 64 | 82 | |
| 02 | 0045 | 1004 | 46 | 1317 | 2792 | 5267 | 8726 | 11168 | 13808 | | | | 21 | 35 | 48 | 68 | 82 | | |
| 04 | 0015 | 987 | -82 | 1149 | 2564 | 4968 | 8364 | 10790 | 13472 | | | | 28 | 40 | 52 | 69 | 78 | | |
| 05 | 0005 | 988 | -73 | 1143 | 2539 | 4922 | 8251 | 10656 | 13381 | 14649 | | | 30 | 45 | 57 | 71 | 77 | | |
| 07 | 0105 | 995 | -27 | 1176 | 2597 | 4977 | 8327 | 10796 | 13564 | 14859 | | | 30 | 43 | 55 | 65 | 72 | | |
| 08 | 0015 | 997 | -9 | 1207 | 2636 | 5020 | 8413 | 10979 | | | | | 29 | 43 | 50 | 57 | | | |
| 09 | 0010 | 999 | 9 | 1240 | 2664 | 5102 | 8608 | 11107 | 13991 | 15295 | | | 25 | 31 | 45 | 63 | 67 | 68 | |
| 10 | 0055 | 991 | -55 | 1198 | 2658 | 5114 | 8599 | 11088 | 13777 | 15106 | 16407 | | 22 | 33 | 46 | 64 | 75 | 74 | |
| 11 | 0000 | 989 | -73 | 1170 | 2612 | 5060 | 8541 | 11015 | 13716 | 15024 | 16319 | | 24 | 33 | 47 | 66 | 77 | 75 | |
| 12 | 0000 | 996 | -12 | 1234 | 2670 | 5090 | 8553 | 11031 | 13777 | 15112 | 16422 | | 26 | 35 | 48 | 65 | 73 | 72 | |
| 13 | 0010 | 1002 | 34 | 1262 | 2685 | 5111 | 8550 | 11009 | 13777 | 15091 | | | 26 | 36 | 49 | 66 | 71 | 72 | |
| 14 | 0035 | 1000 | 12 | 1243 | 2682 | 5145 | 8556 | 10997 | 13777 | 15100 | | | 23 | 38 | 52 | 68 | 71 | | |
| 16 | 0310 | 993 | 43 | 1214 | 2676 | 5124 | 8501 | 10924 | 13716 | 14963 | | | 23 | 40 | 54 | 70 | 73 | | |
| 17 | 0040 | 983 | -116 | 1131 | 2576 | 5014 | 8376 | 10808 | 13472 | | | | 24 | 40 | 56 | 69 | 77 | | |
| 18 | 0035 | 987 | -88 | 1131 | 2539 | 4938 | 8300 | 10750 | 13472 | 14737 | | | 29 | 42 | 54 | 67 | 76 | | |
| 19 | 0010 | 989 | -67 | 1149 | 2542 | 4895 | 8260 | 10735 | 13442 | 14728 | | | 33 | 43 | 52 | 65 | 75 | | |
| 20 | 0040 | 993 | -43 | 1189 | 2621 | 5008 | 8339 | 10769 | | | | | 29 | 46 | 55 | 69 | 74 | | |
| 21 | 0015 | 993 | -34 | 1176 | 2585 | 4968 | 8291 | 10729 | 13472 | 14774 | | | 30 | 45 | 56 | 68 | 73 | | |
| 22 | 0045 | 994 | -27 | 1158 | 2554 | 4907 | 8190 | 10638 | 13411 | 14719 | | | 33 | 48 | 59 | 67 | 71 | | |
| 23 | 0000 | 987 | -82 | 1097 | 2466 | 4804 | 8104 | 10564 | 13350 | | | | 35 | 48 | 57 | 66 | 73 | | |
| 24 | 0010 | 989 | 73 | 1112 | 2487 | 4822 | 8111 | 10552 | 13289 | 14576 | | | 36 | 49 | 58 | 68 | 74 | | |
| 25 | 0020 | 1000 | 12 | 1195 | 2597 | 4995 | 8406 | 10860 | 13625 | | | | 29 | 39 | 51 | 67 | 76 | | |
| 27 | 0100 | 986 | 95 | 1127 | 2533 | 4898 | 8178 | 10638 | 13411 | 14716 | | | 31 | 47 | 60 | 66 | 72 | | |
| 30 | 0005 | 986 | 95 | 1149 | 2594 | 5006 | 8373 | 10790 | | | | | 26 | 41 | 54 | 70 | 76 | | |

RADIOSONDE DATA

Station *Mawson*

TABLE 94

Year 1961

Month October

| DATE | G.M.T. | RELEASE PRESSURE (Millibar) | HEIGHTS IN G.P.M. OF MILLIBAR LEVEL | | | | | | | | | | | | MEAN TEMPERATURE (°C) IN MILLIBAR INTERVAL | | | | | | | | | | | |
|------|--------|-----------------------------|-------------------------------------|------|------|------|------|-------|-------|-------|-------|-------|-----|-----|--|-----|-----|-----|----|--|--|--|--|--|--|--|
| | | | 1000 | 850 | 700 | 500 | 300 | 200 | 125 | 100 | 80 | 50 | 800 | 500 | 400 | 300 | 200 | 125 | 80 | | | | | | | |
| 01 | 0250 | 998 | ..3 | 1246 | 2709 | 5166 | 8629 | 11134 | 13838 | 15078 | 16358 | 19108 | 22 | 37 | 46 | 63 | 79 | 78 | 73 | | | | | | | |
| 03 | 0045 | | -198 | 1052 | 2512 | 4919 | 8245 | 10677 | 13411 | 14759 | 16063 | | 26 | 44 | 57 | 69 | 71 | 73 | | | | | | | | |
| 04 | 0010 | 985 | ..101 | 1124 | 2564 | 4959 | 8278 | 10708 | 13442 | 14762 | | | 28 | 44 | 58 | 69 | 73 | | | | | | | | | |
| 05 | 0010 | 992 | ..46 | 1195 | 2645 | 5093 | 8501 | 10961 | 13716 | 15030 | 16355 | | 23 | 38 | 52 | 67 | 73 | 71 | | | | | | | | |
| 06 | 0005 | 990 | ..58 | 1182 | 2655 | 5111 | 8529 | 11037 | 13869 | 15207 | 16529 | | 22 | 38 | 51 | 62 | 67 | 70 | | | | | | | | |
| 07 | 0010 | 991 | ..58 | 1164 | 2597 | 5026 | 8407 | 10879 | 13716 | 15036 | 16362 | 18081 | 25 | 41 | 53 | 65 | 68 | 70 | | | | | | | | |
| 08 | 0020 | 992 | 49 | 1170 | 2600 | 4995 | 8321 | 10750 | 13533 | 14819 | 16127 | | 28 | 44 | 57 | 69 | 72 | 74 | | | | | | | | |
| 09 | 0015 | 987 | 76 | 1134 | 2561 | 4971 | 8330 | 10775 | 13564 | 14889 | 16219 | 19065 | 27 | 42 | 54 | 68 | 71 | 70 | 66 | | | | | | | |
| 10 | 0000 | 994 | 34 | 1164 | 2585 | 4953 | 8254 | 10738 | 13564 | 14880 | | | 30 | 47 | 57 | 64 | 69 | 70 | | | | | | | | |
| 11 | 0000 | 994 | ..31 | 1170 | 2606 | 4986 | 8330 | 10781 | 13625 | 14932 | 16273 | | 29 | 43 | 56 | 67 | 69 | 69 | | | | | | | | |
| 12 | 0030 | 997 | ..9 | 1195 | 2639 | 5057 | 8431 | 10860 | 13716 | 14996 | 16334 | | 25 | 41 | 54 | 68 | 70 | 69 | | | | | | | | |
| 13 | 0010 | 990 | ..58 | 1149 | 2582 | 4977 | 8300 | 10726 | 13564 | 14871 | 16213 | | 28 | 44 | 58 | 69 | 70 | 68 | | | | | | | | |
| 14 | 0015 | 991 | ..49 | 1155 | 2594 | 4971 | 8291 | 10723 | 13533 | 14840 | 16176 | | 29 | 45 | 57 | 69 | 71 | 69 | | | | | | | | |
| 15 | 0010 | 988 | ..67 | 1131 | 2539 | 4907 | 8275 | 10753 | 13533 | 14862 | 16194 | | 31 | 43 | 52 | 65 | 71 | 70 | | | | | | | | |
| 16 | 0010 | 984 | ..110 | 1100 | 2536 | 4992 | 8434 | 10930 | 13716 | 15039 | 16346 | | 24 | 34 | 48 | 63 | 70 | 73 | | | | | | | | |
| 17 | 0035 | 986 | ..92 | 1121 | 2567 | 4959 | 8348 | 10854 | 13716 | 15027 | 16358 | | 28 | 42 | 52 | 63 | 67 | 70 | | | | | | | | |
| 18 | 0025 | 976 | ..168 | 1076 | 2521 | 4959 | 8388 | 10863 | 13655 | 14969 | 16307 | | 24 | 39 | 49 | 65 | 71 | 69 | | | | | | | | |
| 23 | 0030 | 979 | ..146 | 1097 | 2530 | 4934 | | | | | | | 27 | 39 | | | | | | | | | | | | |
| 24 | 0025 | 977 | ..162 | 1079 | 2527 | 4962 | 8358 | 10814 | 13625 | 14944 | 16307 | | 25 | 38 | 52 | 67 | 71 | 66 | | | | | | | | |
| 25 | 0000 | 981 | ..125 | 1094 | 2506 | 4898 | 8272 | 10763 | 13655 | 14967 | 16340 | | 29 | 42 | 53 | 64 | 65 | 65 | | | | | | | | |
| 26 | 0025 | 983 | ..116 | 1118 | 2564 | 4992 | 8367 | 10865 | 13747 | 15088 | 16456 | | 25 | 39 | 54 | 63 | 65 | 65 | | | | | | | | |
| 27 | 0000 | 989 | ..64 | 1155 | 2582 | 4973 | | | | | | | 28 | 41 | | | | | | | | | | | | |
| 28 | 0010 | 995 | ..31 | 1185 | 2609 | 5011 | 8382 | 10903 | 13777 | 15191 | | | 28 | 42 | 53 | 61 | 62 | | | | | | | | | |
| 29 | 0000 | 989 | ..70 | 1140 | 2533 | 4892 | 8245 | 10802 | 13747 | 15142 | 16554 | | 33 | 45 | 53 | 58 | 60 | 58 | | | | | | | | |
| 30 | 0010 | 981 | ..128 | 1094 | 2496 | 4843 | 8196 | 10802 | | | | | 33 | 46 | 51 | 54 | 57 | | | | | | | | | |
| 31 | 0025 | 971 | 210 | 1040 | 2481 | 4898 | 8287 | 10872 | 13930 | 15347 | 16782 | | 26 | 40 | 51 | 55 | 53 | 53 | 50 | | | | | | | |

RADIOSONDE DATA

Station Mowson

Year 1961

Month November

TABLE 95

| DATE | G. M. T. | RELEASE PRESSURE (Millibar) | HEIGHTS IN G.P.M. OF MILLIBAR LEVEL | | | | | | | | | | MEAN TEMPERATURE (°C) IN MILLIBAR INTERVAL | | | | | | | | | |
|------|----------|-----------------------------|-------------------------------------|------|------|------|------|-------|-------|-------|-------|-------|---|-----|-----|-----|-----|-----|----|----|--|--|
| | | | 1000 | 850 | 700 | 500 | 300 | 200 | 125 | 100 | 80 | 50 | 800 | 500 | 400 | 300 | 200 | 125 | 80 | 50 | | |
| 01 | 0050 | 978 | -159 | 1106 | 2585 | 5047 | 8461 | 10979 | 13991 | 15374 | 16822 | 22 | 38 | 51 | 61 | 58 | 52 | | | | | |
| 02 | 0005 | 979 | -153 | 1109 | 2567 | 5017 | 8422 | 10900 | 13777 | 15188 | 16609 | 24 | 39 | 52 | 65 | 64 | 57 | | | | | |
| 03 | 0025 | 979 | -149 | 1088 | 2521 | 4941 | 8333 | 10817 | 13716 | 15100 | 16508 | 27 | 40 | 52 | 65 | 64 | 60 | | | | | |
| 04 | 0000 | 988 | -85 | 1149 | 2570 | 4965 | 8300 | 10784 | 13686 | 15036 | 16426 | 29 | 44 | 56 | 64 | 64 | 62 | | | | | |
| 05 | 0010 | 985 | -101 | 1143 | 2579 | 4989 | 8348 | 10830 | 13716 | 15081 | | 27 | 42 | 54 | 64 | 65 | 62 | | | | | |
| 06 | 0010 | 988 | -79 | 1170 | 2612 | 5002 | 8330 | 10836 | 13747 | 15142 | 16560 | 29 | 45 | 56 | 62 | 62 | 58 | 50 | | | | |
| 07 | 0015 | 985 | -107 | 1140 | 2576 | 4950 | 8284 | 10787 | 13716 | 15072 | 16477 | 29 | 44 | 56 | 62 | 63 | 59 | | | | | |
| 08 | 0005 | 989 | -67 | 1176 | 2636 | 5069 | 8489 | 10976 | 13838 | 15188 | 16575 | 24 | 38 | 50 | 64 | 67 | 63 | | | | | |
| 09 | 0010 | 973 | -195 | 1064 | 2515 | 4956 | 8403 | 10894 | 13777 | 15133 | 16538 | 24 | 37 | 57 | 64 | 66 | 60 | | | | | |
| 10 | 0005 | 969 | -229 | 1024 | 2469 | 4907 | 8312 | 10772 | 13625 | 14984 | 16386 | 25 | 38 | 52 | 66 | 67 | 60 | 54 | | | | |
| 11 | 0010 | 984 | -134 | 1121 | 2567 | 4965 | 8327 | 10787 | 13716 | 15030 | 16429 | 28 | 42 | 55 | 66 | 66 | 61 | | | | | |
| 12 | 0025 | 995 | -21 | 1234 | 2682 | 5087 | 8422 | 10906 | 13808 | 15170 | 16572 | 26 | 43 | 57 | 64 | 61 | 60 | | | | | |
| 13 | 0010 | 984 | -110 | 1100 | 2536 | 4992 | 8434 | 10930 | 13716 | 15039 | 16346 | 23 | 34 | 48 | 63 | 70 | 73 | | | | | |
| 14 | 0035 | 978 | -156 | 1109 | 2567 | 4995 | 8388 | 10903 | 13869 | | | 25 | 40 | 53 | 52 | 59 | | | | | | |
| 15 | 0005 | 988 | 82 | 1185 | 2645 | 5044 | 8400 | 10930 | 13838 | 15243 | 16648 | 27 | 43 | 54 | 60 | 61 | 59 | | | | | |
| 16 | 0000 | 995 | 21 | 1231 | 2694 | 5124 | 8556 | 11122 | 14112 | 15484 | 16877 | 24 | 39 | 48 | 57 | 57 | 60 | | | | | |
| 17 | 0015 | 998 | 0 | | 2752 | 5264 | 8732 | 11253 | 14173 | 15618 | 17020 | 18 | 35 | 47 | 62 | 60 | 56 | | | | | |
| 18 | 0035 | 988 | 79 | 1173 | 2639 | 5108 | 8538 | 11089 | 14082 | 15524 | | 21 | 36 | 50 | 58 | 55 | | | | | | |
| 19 | 0015 | 986 | 95 | 1161 | 2615 | 5047 | 8498 | 11034 | 14051 | 15457 | | 25 | 37 | 47 | 60 | 57 | 51 | | | | | |
| 20 | 0025 | 991 | 52 | 1204 | 2670 | 5127 | 8571 | 11049 | 13991 | 15371 | 16813 | 22 | 35 | 50 | 65 | 62 | 55 | | | | | |
| 21 | 0030 | 999 | 6 | 1262 | 2719 | 5145 | 8531 | 11058 | 14021 | 15405 | 16849 | 25 | 40 | 52 | 60 | 61 | 54 | | | | | |
| 22 | 0005 | 997 | -12 | 1250 | 2737 | 5176 | 8629 | 11140 | 14051 | 15448 | 16889 | 23 | 36 | 48 | 62 | 63 | 55 | 49 | | | | |
| 23 | 0005 | 983 | 134 | 1146 | 2609 | 5053 | 8489 | 11018 | 14021 | 15435 | 16886 | 23 | 37 | 50 | 61 | 58 | 52 | | | | | |
| 24 | 0015 | 905 | -107 | 1149 | 2603 | 5044 | 8461 | 11012 | 14021 | 15457 | 16926 | 24 | 39 | 50 | 58 | 56 | 50 | | | | | |
| 25 | 0010 | 995 | -27 | 1240 | 2734 | 5142 | 8538 | 11086 | 14082 | 15533 | 17023 | 24 | 40 | 52 | 59 | 56 | 50 | | | | | |
| 26 | 0010 | 990 | 82 | 1207 | 2679 | 5139 | 8522 | 11082 | 14143 | 15575 | 17072 | 22 | 39 | 54 | 58 | 54 | 47 | | | | | |
| 27 | 0010 | 987 | 85 | 1176 | 2639 | 5099 | 8562 | 11119 | 14173 | 15642 | 17114 | 20361 | 22 | 35 | 48 | 57 | 52 | 45 | | | | |
| 28 | 0010 | 993 | 40 | 1231 | 2697 | 5157 | 8580 | 11171 | 14265 | 15776 | 17270 | 22 | 38 | 50 | 55 | 47 | 45 | | | | | |
| 29 | 0035 | 986 | 98 | 1173 | 2630 | 5075 | 8489 | 11128 | 14234 | 15746 | 17258 | 24 | 40 | 50 | 50 | 47 | 43 | | | | | |
| 30 | 0005 | 981 | 137 | 1119 | 2570 | 4982 | 8389 | 11054 | 14204 | 15699 | 17204 | 26 | 41 | 49 | 49 | 44 | 43 | | | | | |

RADIOSONDE DATA

Station *Mowson*

Year 1961

Month December

TABLE 96

| DATE | G.M.T. | RELEASE PRESSURE (Millibar) | HEIGHTS IN G.P.M. OF MILLIBAR LEVEL | | | | | | | | | | MEAN TEMPERATURE (°C) IN MILLIBAR INTERVAL | | | | | | | | | |
|------|--------|-----------------------------|-------------------------------------|------|------|------|------|-------|-------|-------|-------|----|---|-----|-----|-----|-----|-----|----|----|--|--|
| | | | 1000 | 850 | 700 | 500 | 300 | 200 | 125 | 100 | 80 | 50 | 800 | 500 | 400 | 300 | 200 | 125 | 80 | 50 | | |
| 01 | 0020 | 985 | -104 | 1155 | 2603 | 5014 | 8407 | 11043 | 14173 | 15703 | 17151 | 27 | 41 | 51 | 57 | 45 | 43 | | | | | |
| 03 | 0040 | 992 | -52 | 1210 | 2670 | 5084 | 8474 | 11073 | 14143 | 15642 | 17160 | 26 | 41 | 52 | 54 | 50 | 43 | | | | | |
| 04 | 0010 | 981 | -131 | 1140 | 2615 | 5053 | 8474 | 11101 | 14173 | 15679 | 17185 | 23 | 39 | 51 | 52 | 48 | 44 | | | | | |
| 05 | 0015 | 985 | -107 | 1164 | 2636 | 5054 | 8470 | 11076 | 14173 | 15688 | 17181 | 24 | 39 | 50 | 54 | 47 | 45 | | | | | |
| 06 | 0030 | 980 | -137 | 1134 | 2603 | 5026 | 8416 | 11003 | 14112 | 15603 | | 25 | 40 | 52 | 55 | 49 | | | | | | |
| 07 | 0010 | 984 | -110 | 1158 | 2621 | 5035 | 8397 | 10970 | 14021 | 15487 | 17005 | 26 | 43 | 53 | 57 | 53 | 46 | 43 | | | | |
| 08 | 0000 | 973 | -204 | 1064 | 2533 | 4944 | 8297 | 10869 | 13960 | 15414 | 16926 | 25 | 43 | 54 | 56 | 51 | 46 | | | | | |
| 09 | 0020 | 973 | -195 | 1061 | 2518 | 4934 | 8315 | 10900 | 13991 | 15466 | 16962 | 25 | 42 | 52 | 55 | 50 | 45 | | | | | |
| 10 | 0015 | 984 | -116 | 1161 | 2624 | 5026 | 8391 | 11003 | 14112 | 15606 | 17102 | 27 | 43 | 53 | 53 | 47 | 45 | | | | | |
| 11 | 0010 | 974 | -171 | 1118 | 2542 | 4968 | 8327 | 10933 | 14082 | 15545 | 17060 | 24 | 42 | 55 | 55 | 48 | 43 | | | | | |
| 12 | 0025 | 981 | -131 | 1143 | 2612 | 5003 | 8373 | 10961 | 14051 | 15560 | 17090 | 27 | 43 | 53 | 55 | 49 | 41 | | | | | |
| 13 | 0000 | 989 | -76 | 1201 | 2682 | 5090 | 8471 | 11061 | 14143 | 15636 | 17154 | 26 | 41 | 52 | 55 | 50 | 43 | | | | | |
| 14 | 0005 | 982 | -146 | 1143 | 2606 | 5020 | 8403 | 10949 | 14051 | 15502 | 17026 | 25 | 41 | 52 | 59 | 51 | 43 | | | | | |
| 15 | 0030 | 986 | -92 | 1180 | 2649 | 5044 | 8416 | 10976 | 14051 | 15521 | 17035 | 27 | 42 | 53 | 58 | 52 | 44 | | | | | |
| 16 | 0010 | 984 | -113 | 1155 | 2613 | 5001 | 8373 | 10964 | 14051 | 15551 | 17069 | 28 | 42 | 54 | 55 | 49 | 43 | | | | | |
| 17 | 0020 | 982 | -128 | 1137 | 2588 | 5005 | 8373 | 10982 | 14143 | 15599 | 17215 | 26 | 42 | 53 | 53 | 48 | 41 | | | | | |
| 18 | 0025 | 984 | -110 | 1161 | 2636 | 5048 | 8446 | 11061 | 14173 | 15851 | 17157 | 26 | 42 | 50 | 53 | 49 | 43 | | | | | |
| 19 | 0005 | 981 | -134 | 1128 | 2591 | 5032 | 8458 | 11083 | 14173 | 15854 | 17163 | 24 | 37 | 50 | 52 | 49 | 44 | | | | | |
| 20 | 0010 | 975 | -186 | 1082 | 2539 | 4977 | 8419 | 11085 | 14204 | 15737 | 17255 | 24 | 37 | 48 | 49 | 45 | 42 | | | | | |
| 21 | 0010 | 980 | -14 | 1128 | 2588 | 4995 | 8413 | 11003 | 14143 | 15633 | 17169 | 27 | 39 | 50 | 55 | 47 | 39 | | | | | |
| 22 | 0015 | 983 | -119 | 1152 | 2609 | 5011 | 8385 | 11003 | 14112 | 15584 | 17099 | 27 | 43 | 52 | 53 | 49 | 43 | | | | | |
| 23 | 0010 | 989 | -73 | 1204 | 2661 | 5060 | 8480 | 11098 | 14204 | 15670 | 17175 | 27 | 40 | 49 | 53 | 49 | 45 | | | | | |
| 24 | 0020 | 989 | -73 | 1204 | 2685 | 5145 | 8602 | 11220 | 14265 | 15785 | 17279 | 22 | 37 | 47 | 53 | 50 | 45 | | | | | |
| 26 | 0025 | 988 | -85 | 1195 | 2661 | 5108 | 8614 | 11192 | 14265 | 15782 | 17276 | 23 | 32 | 45 | 56 | 48 | 45 | | | | | |
| 27 | 0020 | 985 | -107 | 1158 | 2621 | 5054 | 8468 | 11086 | 14204 | 15713 | 17224 | 25 | 39 | 51 | 53 | 46 | 43 | | | | | |
| 28 | 0010 | 983 | -119 | 1152 | 2613 | 5008 | 8397 | 11030 | 14173 | 15684 | 17224 | 26 | 41 | 52 | 52 | 45 | 40 | | | | | |
| 29 | 0010 | 977 | 171 | 1106 | 2566 | 4977 | 8363 | 11018 | 14173 | 15699 | 17245 | 27 | 42 | 51 | 50 | 44 | 39 | | | | | |
| 30 | 0025 | 974 | 192 | 1085 | 2550 | 4962 | 8558 | 11003 | 14143 | 15636 | 17157 | 26 | 42 | 50 | 50 | 46 | 41 | | | | | |
| 31 | 0005 | 969 | 238 | 1037 | 2510 | 4910 | 8309 | 10964 | 14082 | 15596 | 17105 | 26 | 42 | 49 | 50 | 46 | 42 | | | | | |