

JANUARY, 1939

SYDNEY OBSERVATORY

Milne Seismograph E - W Component.

Constants B.P. = 18s D.V. 1mm = 0".38.

| Date 1939 | Phase | U.T. | | | A | △ | Remarks |
|--------------|---|------|-----|------|---------|-----|---------|
| | | h. | m. | s. | | | |
| January 5 | iP | 11 | 24 | 00 | | 22° | |
| | iS | | 27 | 57 | | | |
| | eL | | 30. | 0 | | | |
| | M | | 32. | 0 | 0.9 | | |
| | F | 11. | 45 | | | | |
| January 9 | e | 3. | 22. | 0 ca | | | |
| | M | | 27 | | 0.3 | | |
| | F | 3. | 45 | | | | |
| January 15 | e | 8 | 03 | 30 | | | |
| | e | | 08 | 15 | | | |
| | M | | 10. | 0 | 0.2 | | |
| | F | 8. | 30 | | | | |
| January 22 | e | 13 | 36 | 58 | | | |
| | e | | 38 | 21 | | | |
| | e | | 40 | 38 | | | |
| | eS | | 42 | 12 | | | |
| | eL | | 46 | 42 | | | |
| | M | | 49. | 0 | 2.6 | | |
| | F | 14. | 40 | | | | |
| January 22 | e | 18 | 48 | 00 | | | |
| | e | | 51 | 36 | 0.2 | | |
| | M | 18. | 55 | | | | |
| | F | 19. | 20 | | | | |
| January 25 | eP | 3 | 45 | 45 | | | |
| | eS | | 56 | 06 | | | |
| | e | 3 | 59 | 30 | | | |
| | eL | 4 | 11 | 00 | | | |
| | M | 4 | 26. | 5 | 4.2 | | |
| | F | 6. | 50 | | | | |
| January 25 | e | 17 | 30 | 30 | | | |
| | e | | 35 | 00 | | | |
| | M | | 36. | 3 | 1.0 | | |
| | F | 17. | 55 | | | | |
| January 27 | e | 5 | 43 | 12 | | | |
| | e | | 46 | 09 | | | |
| | M | | 47. | 1 | 0.3 | | |
| | F | 6. | 00 | | | | |
| January 30 | iP | 2 | 24 | 09 | | 28° | |
| | iS | | 28 | 48 | | | |
| | L | | 31 | 18 | > 23mms | | |
| | M | | 32. | 9 | | | |
| | | | | | | | |
| January 30 | Recording light failed between 5 hrs. and 23 hrs. | | | | | | |
| | eP | 23 | 55 | 18 | | | |
| | eS | 24 | 00 | 06 | | | |
| | eL | | 02 | 18 | | | |
| | M | 24. | 06 | | 4.5 | | |
| | F | 25. | 00 | | | | |

FEBRUARY, 1939.

SYDNEY OBSERVATORY

Milne Seismograph E - W Component.
 Constants B.P = 18s D.V. 1mm = 0".38.

| Date 1939 | Phase | U.T | | | A | △ | Remarks |
|--------------|-------|-----|------|----|-----|---|---------------------|
| | | h. | m. | s. | | | |
| February 1 | e | 1 | 50 | 16 | | | |
| | e | | 55 | 55 | | | |
| | e | | 58 | 00 | | | |
| | M | 2 | 04.0 | | 0.6 | | |
| | F | 2 | 15 | | | | |
| February 3 | eP | 5 | 30 | 00 | | | |
| | iS | | 35 | 57 | | | 38° |
| | L | | 40.1 | | | | |
| | M | | 41.0 | | 7.0 | | |
| | F | 6 | 45 | | | | |
| February 3 | e | 20 | 19 | 30 | | | |
| | e | | 24 | 20 | | | |
| | e | | 29.3 | | | | |
| | M | 20 | 31 | 6 | 1.9 | | |
| | F | 21 | 10 | | | | |
| February 4 | e | 5 | 23 | 06 | | | F in next record |
| | e | | 27 | 00 | | | |
| | M | 5 | 32.1 | | 0.4 | | |
| February 4 | e | 6 | 15.0 | | | | |
| | M | | 20.2 | | 0.2 | | |
| | F | 6 | 35 | | | | |
| February 9 | e | 2 | 40 | 00 | | | |
| | M | | 47.2 | | 0.3 | | |
| | F | 3 | 00 | | | | |
| February 20 | eP | 3 | 50 | 21 | | | |
| | eS | | 55 | 57 | | | |
| | M | 4 | 00.5 | | 0.8 | | |
| | F | 4 | 20 | | | | |
| February 28 | e | 2 | 40 | 36 | | | Microseisms Present |
| | e | | 47 | 00 | | | |
| | e | | 49 | 03 | | | |
| | M | 2 | 53.0 | | 1.3 | | |
| | | | | | | | |

Sydney Observatory
 21/4/39. HW/BM

Double
MAY, 1939

SYDNEY OBSERVATORY

Milne Seismograph E - W Component
Constants B.P = 18s D.V. 1mm = 0".38

| Date | Phase | U.T | A | △ | Remarks |
|--------|-------|----------|-----|---|---------|
| | | H. M. S. | mms | | |
| 1939 | | | | | |
| May 1 | e | 4 37 54 | | | |
| | e | 40 50 | 0.3 | | |
| | F | 4 50 | | | |
| May 1 | e | 6 19 35 | | | |
| | e | 21 30 | | | |
| | L | 30.5 | | | |
| | H | 45.4 | 1.1 | | |
| May 2 | e | 13 40 00 | | | |
| | e | 49 36 | 0.3 | | |
| May 3 | e | 7 15 48 | | | |
| | e | 20.3 | 0.4 | | |
| May 6 | e | 17 16 50 | | | |
| | e | 23 36 | 0.2 | | |
| May 6 | e | 20 14 24 | | | |
| | e | 17 42 | 0.6 | | |
| May 8 | e | 2 08 01 | | | |
| | e | 12.3 | | | |
| | e | 16.5 | | | |
| May 10 | e | 8 08 06 | 0.4 | | |
| | e | 13.5 | | | |
| | eL | 19.8 | | | |
| | H | 31.0 | 0.3 | | |
| May 11 | e | 17 49 54 | | | |
| | eL | 54.0 | 0.4 | | |
| May 14 | e | 18 16 00 | | | |
| | e | 21.4 | 0.4 | | |
| May 17 | e | 17 21 42 | | | |
| | | 26.1 | 1.0 | | |
| May 17 | e | 18 48 00 | | | |
| | e | 54 50 | | | |
| | eL | 59.5 | 0.7 | | |
| May 22 | e | 1 46 33 | | | |
| | eL | 51.4 | 0.8 | | |
| May 26 | e | 17 51 00 | | | |
| | e | 18 02 03 | | | |
| | L | 6. 9 | 5.0 | | |

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| 1970 | 2 | 9 | 1801-1900 |
| 1970 | 2 | 10 | 1901-2000 |
| 1970 | 3 | 1 | 2001-2100 |
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| 1970 | 3 | 4 | 2301-2400 |
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| 1970 | 4 | 2 | 3101-3200 |
| 1970 | 4 | 3 | 3201-3300 |
| 1970 | 4 | 4 | 3301-3400 |
| 1970 | 4 | 5 | 3401-3500 |
| 1970 | 4 | 6 | 3501-3600 |
| 1970 | 4 | 7 | 3601-3700 |
| 1970 | 4 | 8 | 3701-3800 |
| 1970 | 4 | 9 | 3801-3900 |
| 1970 | 4 | 10 | 3901-4000 |

JUNE, 1939

SYDNEY OBSERVATORY

Milne Seismograph E - W Component
 Constants B.P = 18s D.V. 1mm = 0".38

| Date | Phase | U.T | A | △ | Remarks |
|---------|--------------------|------------------------------------|-----|---|---------|
| 1939 | | h. m. s. | mms | | |
| June 2 | eP eS e | 3 41 27 48 00 51 18 | | | 1.4 |
| June 4 | e e L | 12 05 00 09 57 14.0 | | | 0.2 |
| June 4 | e eL | 15 25 40 33.3 | | | 0.8 |
| June 7 | eL | 1 21.2 | | | 0.4 |
| June 8 | e eL | 15 32 00 34.8 | | | 0.4 |
| June 8 | e eL | 20 54 54 21 00.0 | | | 0.4 |
| June 9 | eP eS e L | 19 19 18 23 36 25 06 25.3 | | | 1.2 |
| June 10 | e | 9 58.7 | | | |
| June 13 | e e e L | 20 47 15 49 51 53 33 57.0 | | | 0.3 |
| June 17 | e e eL | 12 09 58 15 15 21.6 | | | 0.4 |
| June 27 | e e e | 23 12 30 15 30 22.5 | | | 0.9 |
| June 28 | e e | 11 49 30 53.7 | | | 0.5 |

Sydney Observatory
30/8/39. HW/BI

SYDNEY OBSERVATORY,

Milne Seismograph E - W Component

Constants B.P. = 18s D.V. 1mm = 0".38

| Date | Phase | U.T. | | | A | △ | Remarks |
|---------|-------|------|------|----|-----|-----|--|
| | | h. | m. | s. | | | |
| 1939 | | | | | | | |
| Aug. 3 | e | 2 | 41 | 54 | | | |
| | eL | | 46.0 | | | | |
| | M | | 48.3 | | 0.2 | | |
| Aug. 8 | e | 20 | 54 | 48 | | | |
| | eL | | 8.4 | | 0.2 | | |
| Aug. 12 | eP | 2 | 12 | 24 | | | |
| | e | | 13 | 03 | | | |
| | eS | | 16 | 27 | 1.2 | | |
| Aug. 13 | eP | 4 | 21 | 45 | | | |
| | eS | | 25 | 27 | | | |
| | eL | | 27.8 | | 0.3 | | |
| Aug. 18 | eP | 22 | 20 | 45 | | 22° | |
| | eS | | 24 | 45 | | | |
| | eL | | 26.2 | | | | |
| | M | | 28.4 | | 4.5 | | |
| Aug. 19 | eP | 0 | 52 | 30 | | 22° | |
| | eS | | 56 | 27 | | | |
| | eL | | 58.8 | | | | |
| | M | 1 | 00.1 | | 2.0 | | |
| Aug. 23 | eL | 4 | 52.3 | | 0.4 | | Obscured by Microseisms. |
| Aug. 25 | e | 3 | 53 | 57 | | | |
| | e | | 59 | 15 | | | |
| | eL | 4 | 03.0 | | | | |
| | M | | 4.3 | | 0.4 | | |
| Aug. 27 | e | 11 | 23 | 33 | | | |
| | e | | 25 | 42 | | | |
| | eL | | 29.3 | | 0.3 | | |
| Aug. 29 | | | | | | | Record lost through failure of recording light. |

Sydney Observatory
19/10/39. HW/CA



Double

SYDNEY OBSERVATORY

Milne Seismograph E - W Component

- 6 MARS 1940

Constants B.P = 18s D.V. 1mm = 0".38

| Date | Phase | U.T | | | A | △ | Remarks |
|----------|-------|-----|----|----|-----|-----|---------|
| | | h. | m. | s. | | | |
| 1939 | | | | | | | |
| Sept. 2 | eP | 9 | 4 | 00 | | | |
| | e | | 5 | 06 | | | |
| | e | | 7 | 00 | | | |
| | eS | | 8 | 30 | | | |
| | eL | | 11 | .0 | | | |
| | H | | 13 | .1 | 0.7 | | |
| Sept. 8 | eP | 12 | 17 | 30 | | 85° | |
| | e | | 23 | 15 | | | |
| | eS | | 28 | 09 | | | |
| | e | | 33 | 00 | | | |
| | eL | | 40 | .4 | | | |
| | e | | 44 | .4 | | | |
| | H | | 48 | .9 | | | |
| | F | 15 | 10 | | 2.2 | | |
| Sept. 12 | eP | 12 | 11 | 57 | | | |
| | eS | | 16 | 48 | | | |
| | eL | | 19 | .1 | | | |
| | H | | 20 | .5 | 0.7 | | |
| Sept. 14 | e | 18 | 15 | .6 | 0.1 | | |
| Sept. 15 | e | 11 | 55 | .5 | | | |
| | eL | 12 | 00 | .0 | | | |
| | H | 12 | 06 | .0 | 0.7 | | |
| Sept. 16 | e | 7 | 39 | .1 | | | |
| | H | | 44 | .5 | 0.2 | | |
| Sept. 17 | e | 19 | 24 | 33 | | | |
| | i | | 28 | 00 | | | |
| | F | 19 | 40 | | 0.5 | | |
| Sept. 18 | e | 10 | 07 | .0 | | | |
| | eL | 1 | 17 | .0 | 0.2 | | |
| Sept. 20 | e | 7 | 32 | 42 | | | |
| | iS | | 36 | 00 | | | |
| | H | | 39 | .7 | 0.8 | | |

Sydney Observatory
19/12/39. HW/CA

October, 1939

Doubt

SYDNEY OBSERVATORY

Milne Seismograph E - W Component
 Constants B.P = 18s D.V. 1mm = 0".38

-6 MARS 1940

| Date | Phase | U.T. | | | A | Δ | Remarks |
|---------|-------|------|----|----|-----|-----|---------|
| | | h. | m. | s. | | | |
| 1939 | | | | | | | |
| | | | | | mms | | |
| Oct. 7 | e | 20 | 49 | 48 | | | |
| | e | | 55 | 00 | | | |
| | H | 21 | 01 | 36 | 1.9 | | |
| Oct. 9 | eP | 2 | 23 | 00 | | | |
| | eS | | 27 | 06 | | | |
| | eL | | 29 | 0 | | | |
| | H | | 30 | 0 | 1.4 | | |
| Oct. 10 | e | 18 | 42 | 6 | | | |
| | e | | 52 | 45 | 0.2 | | |
| Oct. 10 | e | 19 | 41 | 5 | 0.3 | | |
| Oct. 17 | iP | 6 | 27 | 12 | | 23° | |
| | iS | | 31 | 16 | | | |
| | eL | | 33 | 3 | | | |
| | H | | 36 | 5 | 3.1 | | |
| Oct. 17 | e | 9 | 04 | 36 | | | |
| | i | | 8 | 42 | 0.3 | | |
| Oct. 26 | e | 8 | 09 | 0 | 0.1 | | |
| Oct. 26 | e | 21 | 30 | 6 | | | |
| | e | | 34 | 57 | | | |
| | eL | | 38 | 5 | | | |
| | H | | 39 | 7 | 1.0 | | |
| Oct. 27 | eL | 11 | 10 | 3 | | | |
| Oct. 30 | e | 22 | 06 | 24 | | | |
| | e | | 9 | 54 | | | |
| | eL | | 13 | 1 | | | |
| | H | | 14 | 9 | 1.5 | | |

Smile

27 MAI 1940

November, 1930.

SYDNEY OBSERVATORY

Milne Seismograph E - W Component
 Constants B.P. = 18s D.V. 1mm = 0".38

| Date | Phase | U.T. | A | Remarks |
|---------|-------|----------|-----|---------|
| | | h. m. s. | mms | |
| 1939 | | | | |
| Nov. 1 | e | 6 12 48 | | |
| | i | 16 42 | | |
| | M | 20.3 | | |
| Nov. 3 | e | 19 44 30 | | |
| | e | 48 57 | | |
| | eL | 51.7 | | |
| | M | 54.1 | 0.2 | |
| Nov. 8 | eP | 19 09 57 | | |
| | eS | 14 39 | | |
| | eL | 17.2 | | |
| | M | 18.9 | 0.8 | |
| Nov. 9 | eL | 13 48.2 | 0.2 | |
| Nov. 10 | iP | 16 54 18 | | |
| | iS | 58 18 | 1.1 | |
| | L | 60.2 | 0.4 | |
| Nov. 10 | e | 20 30 28 | | |
| | M | 34.4 | 1.4 | |
| Nov. 14 | e | 12 47 40 | | |
| | eL | 50.6 | 0.3 | |
| Nov. 15 | eP | 17 14 39 | | |
| | eS | 19 18 | | |
| | eL | 22.0 | | |
| | M | 23.3 | 0.7 | |
| Nov. 17 | e | 18 49 06 | | |
| | e | 52 06 | 0.2 | |
| Nov. 21 | e | 11 25.2 | | |
| | M | 34.0 | 0.2 | |
| Nov. 21 | e | 21 35 30 | | |
| | e | 41 18 | | |
| | eL | 42.7 | 0.8 | |
| Nov. 24 | eP | 23 28 48 | | |
| | eS | 33 06 | | |
| | eL | 35.8 | | |
| | M | 37.0 | 0.3 | |

Sydney Observatory
 23/2/40. Hw/CA

Double

December, 1939.

SYDNEY OBSERVATORY

Milne Seismograph E - W Component
 Constants B.P. = 18s D.V. 1mm = 0".38

| Date | Phase | U.T. | | | A | Remarks |
|---------|-------|------|-------|-------|-----|---------------------|
| | | h. | m. | s. | | |
| 1939 | | | | | | |
| Dec. 1 | e | 6 | 46.7 | | | Microseisms present |
| | eL | 6 | 52.5 | | | |
| | M | | 53.6 | 0.7 | | |
| Dec. 5 | e | 9 | 38.0 | | 0.3 | Microseisms present |
| Dec. 7 | e | 11 | 40 00 | | | |
| | eL | | 43.8 | 0.6 | | |
| Dec. 16 | e | 11 | 08 12 | | | |
| | e | | 13 18 | | | |
| | eL | | 18.9 | 0.3 | | |
| Dec. 18 | e | 6 | 35 54 | | | Microseisms present |
| | M | | 39.6 | 0.2 | | |
| Dec. 18 | e | 10 | 28 54 | | | |
| | e | | 31 12 | | | |
| | M | | 37.0 | 0.3 | | |
| Dec. 21 | iP | 21 | 08 33 | | 2.2 | Boom swung to stops |
| | i | | 09 48 | | 40° | |
| | i | | 10 24 | | | |
| | iS | | 14 45 | >23.0 | | |
| | L | | 21.3 | | | |
| | M | | 23.0 | >23.0 | | |
| Dec. 22 | e | 5 | 41.0 | | | |
| | M | | 48.0 | 0.5 | | |
| Dec. 25 | e | 16 | 32 12 | | | |
| | e | | 35 27 | | | |
| | θ | | 37 18 | | | |
| | M | 16 | 41.0 | 1.8 | | |
| Dec. 27 | e | 0 | 13 12 | | | |
| | e | | 17 18 | | | |
| | e | | 21 15 | | | |
| | eL | | 52.1 | | | |
| | M | 1 | 18.0 | 4.0 | | |
| Dec. 27 | e | 3 | 14 30 | | | |
| | e | | 18 48 | | | |
| | M | | 23.8 | 2.3 | | |
| Dec. 28 | e | 0 | 06 24 | | | |
| | eL | | 09.2 | 0.2 | | |

Sydney Observatory
23/2/40. HV/CA