

MONTHLY REPORT OF SUNSPOT OBSERVATION

Asahikawa Astronomical Observatory  
20cm Refractor ×50 Projection 20cm

2020  
June

| Date  | J. S. T. |    | N. Hemi-<br>sphere |     | S. Hemi-<br>sphere |     | Whole<br>Disk |    | C. C.<br>Zone |   | Relative<br>Number |       | Seeing | Remarks |
|-------|----------|----|--------------------|-----|--------------------|-----|---------------|----|---------------|---|--------------------|-------|--------|---------|
|       | h        | m  | g                  | f   | g                  | f   | g             | f  | g             | f | W. D.              | C. Z. |        |         |
| 1     |          |    |                    |     |                    |     |               |    |               |   |                    |       |        |         |
| 2     | 11       | 05 | 0                  | 0   | 0                  | 0   | 0             | 0  | 0             | 0 | 0                  | 0     | 0      | 2       |
| 3     | 8        | 20 | 0                  | 0   | 0                  | 0   | 0             | 0  | 0             | 0 | 0                  | 0     | 0      | 2       |
| 4     | 9        | 15 | 0                  | 0   | 1                  | 2   | 1             | 2  | 0             | 0 | 12                 | 0     | 0      | 3       |
| 5     | 8        | 40 | 0                  | 0   | 1                  | 2   | 1             | 2  | 0             | 0 | 12                 | 0     | 0      | 3       |
| 6     | 13       | 30 | 0                  | 0   | 1                  | 6   | 1             | 6  | 0             | 0 | 16                 | 0     | 0      | 3       |
| 7     | 9        | 05 | 0                  | 0   | 1                  | 10  | 1             | 10 | 0             | 0 | 20                 | 0     | 0      | 3       |
| 8     |          |    |                    |     |                    |     |               |    |               |   |                    |       |        |         |
| 9     | 9        | 00 | 0                  | 0   | 1                  | 5   | 1             | 5  | 1             | 5 | 15                 | 15    | 0      | 4       |
| 10    | 11       | 10 | 0                  | 0   | 1                  | 2   | 1             | 2  | 1             | 2 | 12                 | 12    | 0      | 4       |
| 11    |          |    |                    |     |                    |     |               |    |               |   |                    |       |        |         |
| 12    | 14       | 50 | 0                  | 0   | 1                  | 2   | 1             | 2  | 0             | 0 | 12                 | 0     | 0      | 2       |
| 13    | 8        | 50 | 0                  | 0   | 1                  | 2   | 1             | 2  | 0             | 0 | 12                 | 0     | 0      | 3       |
| 14    | 9        | 00 | 0                  | 0   | 1                  | 2   | 1             | 2  | 0             | 0 | 12                 | 0     | 0      | 4       |
| 15    |          |    |                    |     |                    |     |               |    |               |   |                    |       |        |         |
| 16    | 8        | 45 | 0                  | 0   | 0                  | 0   | 0             | 0  | 0             | 0 | 0                  | 0     | 0      | 2       |
| 17    | 8        | 50 | 0                  | 0   | 0                  | 0   | 0             | 0  | 0             | 0 | 0                  | 0     | 0      | 2       |
| 18    |          |    |                    |     |                    |     |               |    |               |   |                    |       |        |         |
| 19    |          |    |                    |     |                    |     |               |    |               |   |                    |       |        |         |
| 20    |          |    |                    |     |                    |     |               |    |               |   |                    |       |        |         |
| 21    | 17       | 30 | 0                  | 0   | 0                  | 0   | 0             | 0  | 0             | 0 | 0                  | 0     | 0      | 3       |
| 22    |          |    |                    |     |                    |     |               |    |               |   |                    |       |        |         |
| 23    |          |    |                    |     |                    |     |               |    |               |   |                    |       |        |         |
| 24    | 91       | 15 | 0                  | 0   | 0                  | 0   | 0             | 0  | 0             | 0 | 0                  | 0     | 0      | 3       |
| 25    |          |    |                    |     |                    |     |               |    |               |   |                    |       |        |         |
| 26    |          |    |                    |     |                    |     |               |    |               |   |                    |       |        |         |
| 27    |          |    |                    |     |                    |     |               |    |               |   |                    |       |        |         |
| 28    |          |    |                    |     |                    |     |               |    |               |   |                    |       |        |         |
| 29    |          |    |                    |     |                    |     |               |    |               |   |                    |       |        |         |
| 30    | 10       | 15 | 0                  | 0   | 0                  | 0   | 0             | 0  | 0             | 0 | 0                  | 0     | 0      | 2       |
| Mean  |          |    |                    |     |                    |     |               |    |               |   |                    |       |        |         |
| R. N. |          |    |                    | 0.0 |                    | 7.7 |               |    |               |   | 7.7                | 1.7   |        |         |

Obs. Days 16

Observer  
Y. Kondo