

# MONTHLY REPORT OF SUNSPOTS OBSERVATION April 2024

KWASAN OBSERVATORY Yamasina Kyoto Japan  
 115mm Refractor  
 Seeing : 1-5  
 OBSERVER : M.Kamobe,M.Teranishi,E.Imatani,Y.Kawabata

| Date | Time(U.T.) |     | N-Hemisphere |     | S-Hemisphere |     | Disc Center |     | Total |    | 10g+f | Seeing | Observer |
|------|------------|-----|--------------|-----|--------------|-----|-------------|-----|-------|----|-------|--------|----------|
|      | h          | m   | g            | f   | g            | f   | g           | f   | g     | f  |       |        |          |
| 1    | 1          | 15  | 4            | 6   | 0            | 0   | 1           | 1   | 4     | 6  | 46    | 3/5    | K        |
| 2    | 1          | 0   | 2            | 2   | 0            | 0   | 0           | 0   | 2     | 2  | 22    | 2/5    | K        |
| 3    |            |     |              |     |              |     |             |     |       |    |       |        |          |
| 4    | 6          | 0   | 4            | 5   | 0            | 0   | 1           | 2   | 4     | 5  | 45    | 1/5    | K        |
| 5    | 3          | 54  | 2            | 3   | 1            | 1   | 2           | 3   | 3     | 4  | 34    | 2/5    | YK       |
| 6    | 1          | 46  | 3            | 4   | 1            | 3   | 2           | 5   | 4     | 7  | 47    | 3/5    | I        |
| 7    | 2          | 40  | 3            | 7   | 1            | 1   | 1           | 4   | 4     | 8  | 48    | 2/5    | YK       |
| 8    |            |     |              |     |              |     |             |     |       |    |       |        |          |
| 9    |            |     |              |     |              |     |             |     |       |    |       |        |          |
| 10   | 1          | 45  | 2            | 3   | 1            | 3   | 2           | 5   | 3     | 6  | 36    | 3/5    | T        |
| 11   |            |     |              |     |              |     |             |     |       |    |       |        |          |
| 12   | 2          | 15  | 3            | 13  | 2            | 3   | 2           | 7   | 5     | 16 | 66    | 3/5    | T        |
| 13   | 1          | 4   | 3            | 13  | 3            | 8   | 2           | 12  | 6     | 21 | 81    | 3/5    | YK       |
| 14   | 4          | 54  | 5            | 17  | 4            | 5   | 3           | 6   | 9     | 22 | 112   | 2/5    | YK       |
| 15   | 6          | 35  | 4            | 19  | 5            | 8   | 2           | 7   | 9     | 27 | 117   | 2/5    | K        |
| 16   |            |     |              |     |              |     |             |     |       |    |       |        |          |
| 17   | 2          | 30  | 5            | 20  | 6            | 25  | 4           | 11  | 11    | 45 | 155   | 3/5    | T        |
| 18   |            |     |              |     |              |     |             |     |       |    |       |        |          |
| 19   | 2          | 30  | 7            | 21  | 6            | 27  | 7           | 32  | 13    | 48 | 178   | 1/5    | T        |
| 20   | 1          | 47  | 4            | 13  | 7            | 32  | 8           | 38  | 11    | 45 | 155   | 3/5    | I        |
| 21   |            |     |              |     |              |     |             |     |       |    |       |        |          |
| 22   |            |     |              |     |              |     |             |     |       |    |       |        |          |
| 23   |            |     |              |     |              |     |             |     |       |    |       |        |          |
| 24   |            |     |              |     |              |     |             |     |       |    |       |        |          |
| 25   | 3          | 0   | 5            | 16  | 9            | 26  | 5           | 14  | 14    | 42 | 182   | 3/5    | K        |
| 26   |            |     |              |     |              |     |             |     |       |    |       |        |          |
| 27   |            |     |              |     |              |     |             |     |       |    |       |        |          |
| 28   | 1          | 28  | 4            | 4   | 4            | 14  | 3           | 15  | 8     | 18 | 98    | 3/5    | YK       |
| 29   |            |     |              |     |              |     |             |     |       |    |       |        |          |
| 30   |            |     |              |     |              |     |             |     |       |    |       |        |          |
|      |            | Sum | 60           | 166 | 50           | 156 | 45          | 162 |       |    | 1422  |        |          |
|      |            | (R) | 47.9         |     | 41.0         |     | 38.3        |     |       |    | 88.9  |        |          |

Days 16

S:Sugiura  
 K: Kamobe  
 H:Himoto  
 A:Anan  
 MH:Hagino  
 AK:Kwamura  
 T:Teranishi  
 D:Deguchi  
 I:Imatani  
 YK:Kawabata