Sunspots Observation 2018 APRIL
Year: 2018
Month: April
OBSERVER: German Morales C.
Astronomia Sigma Octante
Instr.: SCT
Fl: 2000mm Aperture: 200mm Aperture stop used: 90mm
Method: Projection Image diameter: 140mm

| Day | UT | Q | g | s | R | Ng | Ns | NR | Sg | Ss | SR | cR | CV | IS | M | Cld | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1610 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | |
| 2 | 1700 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 40 | |
| 3 | 1640 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 10 | |
| 4 | 1720 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 30 | |
| 5 | 1710 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 5 | |
| 6 | 1830 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 15 | |
| 7 | 1620 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 50 | |
| 8 | 1640 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 20 | |
| 9 | 1720 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 15 | |
| 10 | 1630 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 5 | |
| 11 | 1720 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 20 | |
| 12 | 1730 | 3 | 1 | 4 | 14 | 1 | 4 | 14 | 0 | 0 | 0 | 0 | 13 | 5 | | 10 | |
| 13 | | | | | | | | | | | | | | | ! | 100 | rain |
| 14 | 1710 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 5 | |
| 15 | 2050 | 3 | 1 | 3 | 13 | 1 | 3 | 13 | 0 | 0 | 0 | 13 | 7 | 4 | | 10 | |
| 16 | 1710 | 3 | 1 | 2 | 12 | 1 | 2 | 12 | 0 | 0 | 0 | 0 | 1 | 3 | | 0 | |
| 17 | 1620 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | |
| 18 | 1710 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 50 | |
| 19 | 1700 | 4 | 1 | 2 | 12 | 1 | 2 | 12 | 0 | 0 | 0 | 0 | 7 | 3 | | 0 | |
| 20 | 1630 | 4 | 1 | 10 | 20 | 1 | 10 | 20 | 0 | 0 | 0 | 0 | 22 | 11 | | 0 | |
| 21 | 1620 | 3 | 1 | 11 | 21 | 1 | 11 | 21 | 0 | 0 | 0 | 0 | 28 | 12 | | 0 | |
| 22 | 1600 | 4 | 1 | 11 | 21 | 1 | 11 | 21 | 0 | 0 | 0 | 0 | 28 | 12 | | 0 | |
| 23 | 1710 | 3 | 1 | 13 | 23 | 1 | 13 | 23 | 0 | 0 | 0 | 23 | 22 | 14 | | 10 | |
| 24 | 1640 | 3 | 1 | 11 | 21 | 1 | 11 | 21 | 0 | 0 | 0 | 21 | 25 | 12 | | 20 | |
| 25 | 1720 | 4 | 1 | 10 | 20 | 1 | 10 | 20 | 0 | 0 | 0 | 20 | 19 | 11 | | 0 | |
| 26 | 1710 | 3 | 1 | 3 | 13 | 1 | 3 | 13 | 0 | 0 | 0 | 13 | 7 | 4 | | 30 | |
| 27 | 1620 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 5 | |
| 28 | 1610 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 30 | |
| 29 | 1550 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | |
| 30 | 1550 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | |

Sunspots observation summary
Year: 2018
Month: April
OBSERVER: German Morales C.
Astronomia Sigma Octante
Monthly Mean R = 6.6
NR = 6.6 SR = 0.0 cR = 3.1
CV = 6.2 IS = 3.1
Q = 3.3 Cld = 16.0%
The Sun has been observed 29 days on 30 possible.
1 cloudy day impede observe the Sun

Column Headings
UT: UTC at middle of observation
Q: Quality seeing
1 Bad, 2 Poor, 3 Fair, 4 Good, 5 Excelent
R: Wolf relative number for whole disc
g: Total Groups, s: Total Spots
NR: Wolf Relative number North hemisphere
Ng: North Groups, Ns: North Spots
SR: Wolf Relative number South hemisphere
Sg: South Groups, Ss: South Spots
cR: Wolf Relative number Central
CV: Classification Value after Malde for whole disc
IS: Inter Sol index for whole disc

M: ! Cloudy all day
* Cloudy at observation hours
X Impossible to make any kind of observation
Cld: Percentage of cloudy sky