

Sunspots Observation 2019 NOVEMBER

Year: 2019

Month: November

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	1520	3	0	0	0	0	0	0	0	0	0	0	0	0	0	35	
2	1610	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3	1750	3	0	0	0	0	0	0	0	0	0	0	0	0	0	20	
4	1500	3	0	0	0	0	0	0	0	0	0	0	0	0	0	5	
5	1440	3	0	0	0	0	0	0	0	0	0	0	0	0	0	15	
6	1620	2	0	0	0	0	0	0	0	0	0	0	0	0	0	80	
7	1530	3	0	0	0	0	0	0	0	0	0	0	0	0	0	70	
8	1420	3	0	0	0	0	0	0	0	0	0	0	0	0	0	50	
9	1540	3	0	0	0	0	0	0	0	0	0	0	0	0	0	10	
10																! 100	
RAin																	
11	1410	3	0	0	0	0	0	0	0	0	0	0	0	0	0	70	Transit!
Mer																	
12	1700	3	0	0	0	0	0	0	0	0	0	0	0	0	0	30	
13	1510	3	0	0	0	0	0	0	0	0	0	0	0	0	0	40	
14																! 100	
RAin																	
15	1550	3	0	0	0	0	0	0	0	0	0	0	0	0	0	20	
16	1700	3	0	0	0	0	0	0	0	0	0	0	0	0	0	70	
17	1520	3	0	0	0	0	0	0	0	0	0	0	0	0	0	5	
18	1710	4	0	0	0	0	0	0	0	0	0	0	0	0	0	5	
19	1540	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
20	1730	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
21	1710	4	0	0	0	0	0	0	0	0	0	0	0	0	0	5	
22	1550	3	0	0	0	0	0	0	0	0	0	0	0	0	0	5	
23																! 100	
RAIn																	
24	1520	3	0	0	0	0	0	0	0	0	0	0	0	0	0	15	
25	1710	3	0	0	0	0	0	0	0	0	0	0	0	0	0	100	
cirrus																	
26																* 100	
raIn																	
27	1730	3	0	0	0	0	0	0	0	0	0	0	0	0	0	100	
cirrus																	
28																!	
100																	
29	1510	3	0	0	0	0	0	0	0	0	0	0	0	0	0	80	
cirrus																	
30	1430	3	0	0	0	0	0	0	0	0	0	0	0	0	0	5	

Sunspots observation summary

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Monthly Mean R = 0.0
NR = 0.0 SR = 0.0 cR = 0.0
CV = 0.0 IS = 0.0
Q = 3.2 Cld = 44.5%

The Sun has been observed 25 days on 30 possible.
5 cloudy days 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