

MONTHLY REPORT OF SUNSPOT OBSERVATION

January-2018

Observer-K.. Fujimori Suwa City, Nagano

Date	Time (UT)	N			S			Total		10g+f			Cent			Seeing 5-1	Remarks
		g	f	r	g	f	r	g	f	r	g	f	r				
1	2:10	0	0	0	0	0	0	0	0	0	0	0	0	0	3		
2	1:05	0	0	0	0	0	0	0	0	0	0	0	0	0	3		
3	2:30	0	0	0	0	0	0	0	0	0	0	0	0	0	3		
4	2:10	1	4	14	0	0	0	1	4	14	0	0	0	0	3		
5																M	
6	3:30	0	0	0	0	0	0	0	0	0	0	0	0	0	3		
7	3:00	0	0	0	0	0	0	0	0	0	0	0	0	0	4		
8																C-S	
9	5:30	0	0	0	0	0	0	0	0	0	0	0	0	0	2		
10	2:10	0	0	0	0	0	0	0	0	0	0	0	0	0	3		
11	2:05	0	0	0	0	0	0	0	0	0	0	0	0	0	4		
12	3:10	0	0	0	0	0	0	0	0	0	0	0	0	0	4		
13	2:45	0	0	0	0	0	0	0	0	0	0	0	0	0	3		
14	2:10	0	0	0	0	0	0	0	0	0	0	0	0	0	3		
15	1:40	0	0	0	0	0	0	0	0	0	0	0	0	0	3		
16	2:35	0	0	0	1	3	13	1	3	13	1	3	13	3	3		
17																R	
18	2:45	0	0	0	1	2	12	1	2	12	1	2	12	3	3		
19	3:20	0	0	0	0	0	0	0	0	0	0	0	0	0	3		
20	2:10	0	0	0	0	0	0	0	0	0	0	0	0	0	3		
21	3:25	0	0	0	0	0	0	0	0	0	0	0	0	0	3		
22																C	
23																S	
24																C	
25	2:00	0	0	0	0	0	0	0	0	0	0	0	0	0	3		
26	6:00	0	0	0	0	0	0	0	0	0	0	0	0	0	2		
27	4:30	0	0	0	0	0	0	0	0	0	0	0	0	0	4		
28																C	
29	2:10	0	0	0	0	0	0	0	0	0	0	0	0	0	3		
30	1:50	0	0	0	0	0	0	0	0	0	0	0	0	0	3		
31	1:50	0	0	0	0	0	0	0	0	0	0	0	0	0	3		
Sum				14			25			39			25				
Mean				0.6			1.0			1.6			1.0				

Days

24

8cm Refractor X67 Projeciton 15cm

MONTHLY REPORT OF SUNSPOT OBSERVATION

February-2018

Observer-K. Fujimori Suwa City, Nagano

Date	Time (UT)	N			S			Total		10g+f	Cent			Seeing	Remarks
		g	f	r	g	f	r	g	f	r	g	f	r	5-1	
1															C-S
2	4:30	0	0	0	0	0	0	0	0	0	0	0	0	3	
3	2:20	0	0	0	0	0	0	0	0	0	0	0	0	4	
4	2:35	0	0	0	0	0	0	0	0	0	0	0	0	2	
5	2:40	0	0	0	1	2	12	1	2	12	0	0	0	2	
6	1:55	0	0	0	1	4	14	1	4	14	0	0	0	3	
7	2:05	0	0	0	1	5	15	1	5	15	0	0	0	3	
8	2:00	0	0	0	1	13	23	1	13	23	0	0	0	3	
9	3:30	0	0	0	1	9	19	1	9	19	1	9	19	3	
10	3:05	0	0	0	1	14	24	1	14	24	1	14	24	3	
11	5:00	0	0	0	1	22	32	1	22	32	1	22	32	3	
12	5:50	0	0	0	1	15	25	1	15	25	1	15	25	2	
13	5:05	0	0	0	1	11	21	1	11	21	1	11	21	2	
14	2:30	0	0	0	1	14	24	1	14	24	0	0	0	3	
15															C
16															C
17	2:45	0	0	0	0	0	0	0	0	0	0	0	0	2	
18	1:05	0	0	0	0	0	0	0	0	0	0	0	0	2	
19	3:00	0	0	0	0	0	0	0	0	0	0	0	0	3	
20	1:55	0	0	0	0	0	0	0	0	0	0	0	0	3	
21															C
22	1:50	0	0	0	0	0	0	0	0	0	0	0	0	3	
23	2:25	0	0	0	0	0	0	0	0	0	0	0	0	3	
24	1:20	0	0	0	0	0	0	0	0	0	0	0	0	3	
25															C
26	2:20	0	0	0	0	0	0	0	0	0	0	0	0	3	
27															M
28															C
Sum		0			209					209	121				
Mean		0.0			10.0					10.0	5.8				

Days

21

8cm Refractor X67 Projeciton 15cm

## MONTHLY REPORT OF SUNSPOT OBSERVATION

March-2018

Observer-K.. Fujimori Suwa City, Nagano

Date	Time (UT)	N			S			Total		10g+f		Cent		Seeing 5-1	Remarks
		g	f	r	g	f	r	g	f	g	f	r			
1	3:10	0	0	0	0	0	0	0	0	0	0	0	0	3	
2	2:55	0	0	0	0	0	0	0	0	0	0	0	0	3	
3	1:10	0	0	0	0	0	0	0	0	0	0	0	0	4	
4	5:10	0	0	0	0	0	0	0	0	0	0	0	0	3	
5															R
6	2:50	0	0	0	0	0	0	0	0	0	0	0	0	3	
7	3:30	0	0	0	0	0	0	0	0	0	0	0	0	3	
8															C
9															C-S
10	2:00	0	0	0	0	0	0	0	0	0	0	0	0	3	
11															M
12	2:10	0	0	0	0	0	0	0	0	0	0	0	0	3	
13															M
14	2:05	0	0	0	0	0	0	0	0	0	0	0	0	3	
15	1:50	0	0	0	0	0	0	0	0	0	0	0	0	2	
16															R-C
17	2:40	0	0	0	0	0	0	0	0	0	0	0	0	3	
18	2:20	0	0	0	0	0	0	0	0	0	0	0	0	4	
19															C
20															R
21															S
22															C
23	1:55	0	0	0	0	0	0	0	0	0	0	0	0	3	
24	2:20	0	0	0	0	0	0	0	0	0	0	0	0	3	
25	1:50	0	0	0	0	0	0	0	0	0	0	0	0	3	
26	0:20	0	0	0	0	0	0	0	0	0	0	0	0	3	
27	1:20	0	0	0	0	0	0	0	0	0	0	0	0	3	
28	2:20	0	0	0	0	0	0	0	0	0	0	0	0	3	
29	3:30	0	0	0	0	0	0	0	0	0	0	0	0	3	
30	2:30	0	0	0	0	0	0	0	0	0	0	0	0	3	
31	2:50	0	0	0	0	0	0	0	0	0	0	0	0	4	
Sum		0			0			0		0		0			
Mean		0.0			0.0			0.0		0.0		0.0			

Days

21

8cm Refractor X67 Projeciton 15cm

MONTHLY REPORT OF SUNSPOT OBSERVATION

April-2018

Observer-K.. Fujimori Suwa City, Nagano

Date	Time (UT)	N			S			Total			10g+f			Cent			Seeing 5-1	Remarks
		g	f	r	g	f	r	g	f	r	g	f	r					
1	2:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3		
2	5:10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4		
3	1:40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3		
4	3:20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4		
5	2:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3		
6																	M	
7	6:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2		
8	2:40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3		
9	5:50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3		
10	2:40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4		
11																	C-R	
12	4:10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3		
13	3:05	1	3	13	0	0	0	1	3	13	0	0	0	0	0	4		
14																	C-R	
15	4:40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2		
16	2:50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4		
17																	C	
18	4:10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3		
19	3:35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3		
20	3:00	1	3	13	0	0	0	1	3	13	0	0	0	0	0	4		
21	3:05	1	6	16	0	0	0	1	6	16	0	0	0	0	0	3		
22	4:10	1	8	18	0	0	0	1	8	18	0	0	0	0	0	3		
23	4:30	1	8	18	0	0	0	1	8	18	1	8	18	2				
24																	C	
25																	C-R	
26	2:50	1	3	13	0	0	0	1	3	13	1	3	13	3				
27																	M	
28	2:50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3		
29	2:20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4		
30	2:50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2		
Sum				91			0			91			31					
Mean				4.0			0.0			4.0			1.3					

Days

23

8cm Refractor X67 Projeciton 15cm



MONTHLY REPORT OF SUNSPOT OBSERVATION

May-2018

Observer-K. Fujimori Suwa City, Nagano

Date	Time (UT)	N			S			Total		10g+f	Cent			Seeing	Remarks
		g	f	r	g	f	r	g	f	r	g	f	r	5-1	
1	2:35	0	0	0	0	0	0	0	0	0	0	0	0	4	
2															C-R
3	1:40	0	0	0	0	0	0	0	0	0	0	0	0	3	
4	2:20	0	0	0	0	0	0	0	0	0	0	0	0	4	
5	2:20	0	0	0	1	2	12	1	2	12	0	0	0	3	
6	1:50	0	0	0	1	2	12	1	2	12	0	0	0	3	
7															R
8															C
9															C-R
10	2:55	1	2	12	0	0	0	1	2	12	0	0	0	5	
11	2:55	1	2	12	0	0	0	1	2	12	0	0	0	4	
12															M
13															C-R
14	2:25	0	0	0	0	0	0	0	0	0	0	0	0	4	
15	2:40	0	0	0	0	0	0	0	0	0	0	0	0	3	
16	4:55	0	0	0	0	0	0	0	0	0	0	0	0	3	
17	6:05	0	0	0	0	0	0	0	0	0	0	0	0	2	
18	2:10	0	0	0	0	0	0	0	0	0	0	0	0	3	
19	4:30	0	0	0	0	0	0	0	0	0	0	0	0	3	
20	1:00	0	0	0	0	0	0	0	0	0	0	0	0	3	
21	4:35	0	0	0	0	0	0	0	0	0	0	0	0	3	
22	2:00	0	0	0	0	0	0	0	0	0	0	0	0	4	
23															R
24	2:10	1	2	12	0	0	0	1	2	12	1	2	12	4	
25	3:30	1	2	12	0	0	0	1	2	12	0	0	0	2	
26															M
27	2:35	1	2	12	0	0	0	1	2	12	0	0	0	3	
28															C
29															M
30															M
31															R-C
Sum				60			24			84			12		
Mean				3.2			1.3			4.4			0.6		

Days

19

8cm Refractor X67 Projeciton 15cm

MONTHLY REPORT OF SUNSPOT OBSERVATION

June-2018

Observer-K.. Fujimori Suwa City, Nagano

Date	Time (UT)	N			S			Total		10g+f	Cent			Seeing	Remarks
		g	f	r	g	f	r	g	f	r	g	f	r	5-1	
1	2:05	1	17	27	0	0	0	1	17	27	1	17	27	3	
2	2:00	1	9	19	0	0	0	1	9	19	1	9	19	2	
3															
4	2:40	0	0	0	0	0	0	0	0	0	0	0	0	2	
5	1:50	0	0	0	0	0	0	0	0	0	0	0	0	2	
6															
7	1:30	0	0	0	0	0	0	0	0	0	0	0	0	3	
8	1:45	0	0	0	0	0	0	0	0	0	0	0	0	3	
9	2:10	0	0	0	0	0	0	0	0	0	0	0	0	3	
10															
11															
12	1:50	0	0	0	0	0	0	0	0	0	0	0	0	3	
13	2:20	0	0	0	0	0	0	0	0	0	0	0	0	4	
14	1:35	1	2	12	0	0	0	1	2	12	0	0	0	3	
15															
16	1:30	0	0	0	0	0	0	0	0	0	0	0	0	2	
17															
18	6:30	0	0	0	0	0	0	0	0	0	0	0	0	3	
19	1:00	2	8	28	0	0	0	2	8	28	1	4	14	2	
20															
21	7:30	2	27	47	0	0	0	2	27	47	1	20	30	2	
22	4:05	2	30	50	0	0	0	2	30	50	1	21	31	3	
23															
24	2:30	1	14	24	0	0	0	1	14	24	1	14	24	4	
25	2:20	1	7	17	0	0	0	1	7	17	0	0	0	3	
26	1:50	1	5	15	0	0	0	1	5	15	0	0	0	2	
27															
28	5:55	0	0	0	0	0	0	0	0	0	0	0	0	3	
29	3:20	0	0	0	0	0	0	0	0	0	0	0	0	4	
30	3:50	0	0	0	0	0	0	0	0	0	0	0	0	3	
Sum				239			0			239				145	
Mean				11.4			0.0			11.4				6.9	

Days

21

8cm Refractor X67 Projeciton 15cm

MONTHLY REPORT OF SUNSPOT OBSERVATION

July-2018

Observer-K.. Fujimori Suwa City, Nagano

Date	Time (UT)	N			S			Total		10g+f	Cent			Seeing	Remarks
		g	f	r	g	f	r	g	f	r	g	f	r	5-1	
1	2:20	0	0	0	0	0	0	0	0	0	0	0	0	3	
2															M
3															M
4															R-C
5															R
6															R
7															R
8	6:20	0	0	0	0	0	0	0	0	0	0	0	0	3	
9	3:25	0	0	0	0	0	0	0	0	0	0	0	0	3	
10	3:50	0	0	0	0	0	0	0	0	0	0	0	0	4	
11	3:30	0	0	0	0	0	0	0	0	0	0	0	0	2	
12	2:20	0	0	0	0	0	0	0	0	0	0	0	0	2	
13	5:20	0	0	0	0	0	0	0	0	0	0	0	0	3	
14	2:10	0	0	0	0	0	0	0	0	0	0	0	0	3	
15	2:10	0	0	0	0	0	0	0	0	0	0	0	0	3	
16	1:50	0	0	0	0	0	0	0	0	0	0	0	0	3	
17	1:40	0	0	0	0	0	0	0	0	0	0	0	0	3	
18	1:50	0	0	0	0	0	0	0	0	0	0	0	0	4	
19	2:00	0	0	0	0	0	0	0	0	0	0	0	0	4	
20	2:20	0	0	0	0	0	0	0	0	0	0	0	0	4	
21	4:20	0	0	0	0	0	0	0	0	0	0	0	0	3	
22	2:50	0	0	0	0	0	0	0	0	0	0	0	0	4	
23	2:50	0	0	0	0	0	0	0	0	0	0	0	0	4	
24	2:10	0	0	0	0	0	0	0	0	0	0	0	0	4	
25	2:50	0	0	0	0	0	0	0	0	0	0	0	0	3	
26	2:05	0	0	0	0	0	0	0	0	0	0	0	0	4	
27	0:40	0	0	0	0	0	0	0	0	0	0	0	0	3	
28															C-R
29	2:25	0	0	0	0	0	0	0	0	0	0	0	0	4	
30	2:05	0	0	0	0	0	0	0	0	0	0	0	0	3	
31	[[[[[[	0	0	0	0	0	0	0	0	0	0	0	0	3	
Sum				0			0			0				0	
Mean				0.0			0.0			0.0				0.0	

Days

24

8cm Refractor X67 Projeciton 15cm

# MONTHLY REPORT OF SUNSPOT OBSERVATION

August-2018

Observer-K.. Fujimori Suwa City, Nagano

Date	Time (UT)	N			S			Total		10g+f	Cent			Seeing	Remarks
		g	f	r	g	f	r	g	f	r	g	f	r	5-1	
1	1:50	0	0	0	0	0	0	0	0	0	0	0	0	3	
2	3:50	0	0	0	0	0	0	0	0	0	0	0	0	5	
3	3:00	0	0	0	0	0	0	0	0	0	0	0	0	4	
4	2:40	0	0	0	0	0	0	0	0	0	0	0	0	3	
5	2:30	0	0	0	0	0	0	0	0	0	0	0	0	4	
6	2:50	0	0	0	0	0	0	0	0	0	0	0	0	4	
7	2:10	0	0	0	0	0	0	0	0	0	0	0	0	4	
8	2:15	0	0	0	0	0	0	0	0	0	0	0	0	2	
9	2:50	0	0	0	0	0	0	0	0	0	0	0	0	3	
10	2:20	0	0	0	0	0	0	0	0	0	0	0	0	3	
11															C
12	2:15	0	0	0	0	0	0	0	0	0	0	0	0	2	
13	3:10	0	0	0	0	0	0	0	0	0	0	0	0	2	
14	2:50	0	0	0	0	0	0	0	0	0	0	0	0	4	
15															R
16															R
17	2:20	0	0	0	1	2	12	1	2	12	1	2	12	2	
18	3:30	0	0	0	1	1	11	1	1	11	1	1	11	3	
19	1:40	0	0	0	0	0	0	0	0	0	0	0	0	3	
20	2:30	0	0	0	0	0	0	0	0	0	0	0	0	3	
21	2:30	0	0	0	1	6	16	1	6	16	1	6	16	3	
22	1:00	0	0	0	0	0	0	0	0	0	0	0	0	3	
23															C
24															C-R
25	3:50	1	19	29	0	0	0	1	19	29	1	19	29	3	
26	0:46	1	10	20	0	0	0	1	10	20	0	0	0	2	
27	3:50	1	2	12	0	0	0	1	2	12	0	0	0	2	
28															C
29	5:05	0	0	0	0	0	0	0	0	0	0	0	0	3	
30															C
31															M
Sum				61			39			100			68		
Mean				2.7			1.7			4.3			3.0		

Days

23

8cm Refractor X67 Projeciton 15cm



MONTHLY REPORT OF SUNSPOT OBSERVATION

2018年9月

Observer-K.. Fujimori Suwa City, Nagano

Date	Time (UT)	N			S			Total		10g+f	Cent			Seeing 5-1	Remarks
		g	f	r	g	f	r	g	f	r	g	f	r		
1	2:40	0	0	0	0	0	0	0	0	0	0	0	0	3	
2															C
3	2:00	0	0	0	0	0	0	0	0	0	0	0	0	3	
4															C-R
5	2:40	0	0	0	0	0	0	0	0	0	0	0	0	4	
6															M
7															C
8	6:00	0	0	0	0	0	0	0	0	0	0	0	0	2	
9	4:40	0	0	0	0	0	0	0	0	0	0	0	0	2	
10															C-R
11	5:26	0	0	0	0	0	0	0	0	0	0	0	0	3	
12															C
13	3:30	0	0	0	0	0	0	0	0	0	0	0	0	3	
14															R
15															C
16	3:05	0	0	0	0	0	0	0	0	0	0	0	0	3	
17	5:00	0	0	0	0	0	0	0	0	0	0	0	0	2	
18	3:40	0	0	0	0	0	0	0	0	0	0	0	0	2	
19	4:00	0	0	0	0	0	0	0	0	0	0	0	0	3	
20															R
21															R
22	3:50	0	0	0	0	0	0	0	0	0	0	0	0	3	
23	2:20	0	0	0	0	0	0	0	0	0	0	0	0	3	
24	1:35	0	0	0	0	0	0	0	0	0	0	0	0	3	
25															R
26	3:05	0	0	0	0	0	0	0	0	0	0	0	0	3	
27															R-C
28	2:35	0	0	0	0	0	0	0	0	0	0	0	0	3	
29															R
30															R
Sum		0			0					0	0				
Mean		0.0			0.0					0.0	0.0				

Days

16

8cm Refractor X67 Projeciton 15cm

MONTHLY REPORT OF SUNSPOT OBSERVATION

October-2018

Observer-K.. Fujimori Suwa City, Nagano

Date	Time (UT)	N			S			Total		10g+f	Cent			Seeing 5-1	Remarks
		g	f	r	g	f	r	g	f	r	g	f	r		
1	3:15	0	0	0	1	7	17	1	7	17	1	7	17	3	
2	2:50	0	0	0	1	5	15	1	5	15	0	0	0	3	
3	3:50	0	0	0	0	0	0	0	0	0	0	0	0	3	
4															C
5															C
6	2:35	0	0	0	0	0	0	0	0	0	0	0	0	3	
7	2:10	0	0	0	0	0	0	0	0	0	0	0	0	3	
8	2:00	0	0	0	0	0	0	0	0	0	0	0	0	3	
9	5:30	0	0	0	0	0	0	0	0	0	0	0	0	3	
10															C
11															R
12															R-C
13															M
14	2:50	0	0	0	0	0	0	0	0	0	0	0	0	2	
15															C
16	4:00	0	0	0	0	0	0	0	0	0	0	0	0	2	
17	2:15	0	0	0	0	0	0	0	0	0	0	0	0	3	
18															M
19	2:20	0	0	0	0	0	0	0	0	0	0	0	0	3	
20	4:40	0	0	0	0	0	0	0	0	0	0	0	0	2	
21	1:21	0	0	0	0	0	0	0	0	0	0	0	0	4	
22	3:50	0	0	0	0	0	0	0	0	0	0	0	0	4	
23	4:20	0	0	0	0	0	0	0	0	0	0	0	0	2	
24	2:10	0	0	0	0	0	0	0	0	0	0	0	0	4	
25	3:10	0	0	0	0	0	0	0	0	0	0	0	0	4	
26	3:50	0	0	0	0	0	0	0	0	0	0	0	0	4	
27	3:50	0	0	0	0	0	0	0	0	0	0	0	0	2	
28	2:55	0	0	0	0	0	0	0	0	0	0	0	0	4	
29	4:30	0	0	0	0	0	0	0	0	0	0	0	0	3	
30	2:00	0	0	0	0	0	0	0	0	0	0	0	0	2	
31	4:10	0	0	0	0	0	0	0	0	0	0	0	0	3	
Sum				0			32			32			17		
Mean				0.0			1.4			1.4			0.7		

Days

23

8cm Refractor X67 Projection 15cm

## MONTHLY REPORT OF SUNSPOT OBSERVATION

November-2018

Observer-K.. Fujimori Suwa City, Nagano

Date	Time (UT)	N			S			Total		10g+f			Cent			Seeing 5-1	Remarks
		g	f	r	g	f	r	g	f	r	g	f	r				
1	2:10	0	0	0	0	0	0	0	0	0	0	0	0	0	4		
2	2:40	0	0	0	0	0	0	0	0	0	0	0	0	0	3		
3	4:00	0	0	0	0	0	0	0	0	0	0	0	0	0	3		
4																C	
5	2:20	0	0	0	0	0	0	0	0	0	0	0	0	0	3		
6																R	
7	4:10	0	0	0	0	0	0	0	0	0	0	0	0	0	3		
8	2:00	0	0	0	0	0	0	0	0	0	0	0	0	0	4		
9																C	
10	5:10	0	0	0	0	0	0	0	0	0	0	0	0	0	3		
11	1:52	0	0	0	0	0	0	0	0	0	0	0	0	0	3		
12	3:25	0	0	0	0	0	0	0	0	0	0	0	0	0	2		
13	3:25	0	0	0	0	0	0	0	0	0	0	0	0	0	2		
14	1:00	0	0	0	0	0	0	0	0	0	0	0	0	0	2		
15	4:05	1	4	14	0	0	0	1	4	14	1	4	14	2			
16																M	
17	3:00	1	2	12	0	0	0	1	2	12	1	2	12	3			
18	1:00	1	10	20	0	0	0	1	10	20	0	0	0	2			
19																C	
20	2:00	0	0	0	0	0	0	0	0	0	0	0	0	2			
21	4:00	0	0	0	0	0	0	0	0	0	0	0	0	2			
22																C	
23	2:20	0	0	0	0	0	0	0	0	0	0	0	0	3			
24	6:00	1	2	12	0	0	0	1	2	12	1	2	12	3			
25	2:05	0	0	0	0	0	0	0	0	0	0	0	0	3			
26																C	
27	3:30	0	0	0	0	0	0	0	0	0	0	0	0	4			
28	1:50	0	0	0	0	0	0	0	0	0	0	0	0	3			
29	3:15	0	0	0	0	0	0	0	0	0	0	0	0	3			
30	1:30	0	0	0	0	0	0	0	0	0	0	0	0	3			
Sum		58			0					58			38				
Mean		2.5			0.0					2.5			1.7				

Days

23

8cm Refractor X67 Projection 15cm



MONTHLY REPORT OF SUNSPOT OBSERVATION

December-2018

Observer-K. Fujimori Suwa City, Nagano

Date	Time (UT)	N			S			Total			10g+f			Cent			Seeing 5-1	Remarks
		g	f	r	g	f	r	g	f	r	g	f	r	g	f	r		
1	2:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2		
2	2:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2		
3																	C	
4																	C	
5	4:00	0	0	0	1	4	14	1	4	14	1	4	14	2				
6																	C	
7																	C	
8	3:20	0	0	0	0	0	0	0	0	0	0	0	0	2				
9																	C	
10	3:55	0	0	0	0	0	0	0	0	0	0	0	0	2				
11	3:25	0	0	0	0	0	0	0	0	0	0	0	0	2				
12	4:00	0	0	0	0	0	0	0	0	0	0	0	0	2				
13	2:30	0	0	0	0	0	0	0	0	0	0	0	0	3				
14	3:40	0	0	0	0	0	0	0	0	0	0	0	0	3				
15	3:20	0	0	0	0	0	0	0	0	0	0	0	0	4				
16	2:50	0	0	0	0	0	0	0	0	0	0	0	0	2				
17	3:10	0	0	0	0	0	0	0	0	0	0	0	0	2				
18	1:50	0	0	0	0	0	0	0	0	0	0	0	0	3				
19	2:00	0	0	0	0	0	0	0	0	0	0	0	0	3				
20																	C	
21	2:15	0	0	0	0	0	0	0	0	0	0	0	0	4				
22																	C	
23																	C	
24	2:00	0	0	0	0	0	0	0	0	0	0	0	0	4				
25	2:20	0	0	0	0	0	0	0	0	0	0	0	0	3				
26																	M	
27	2:00	0	0	0	0	0	0	0	0	0	0	0	0	3				
28	4:00	0	0	0	0	0	0	0	0	0	0	0	0	2				
29	1:50	0	0	0	0	0	0	0	0	0	0	0	0	3				
30	3:40	0	0	0	0	0	0	0	0	0	0	0	0	3				
31	3:30	0	0	0	0	0	0	0	0	0	0	0	0	3				
Sum				0			14			14			14					
Mean				0.0			0.6			0.6			0.6					

Days

22

8cm Refractor X67 Projection 15cm

RELATIVE SUNSPOT NUMBER FOR 2018

Observer: Kenichi Fujimori  
 Instrument - 8cm Refractor × 67 Projection 15cm  
 Suwa City, Nagano Japan

Total days 260 R.S.N. Total: 866 (N: 523, S: 343)

Yearly mean 3.3 (N: 2.1, S: 1.3)

望遠鏡故障により、2019年1月～3月を欠測致します。ご迷惑をおかけしますが、よろしくお願い致します。

藤森 賢一



MONTHLY REPORT OF SUNSPOT OBSERVATION

May-2019

Observer-K. Fujimori Suwa City, Nagano

Date	Time (UT)	N			S			Total		10g+f	Cent			Seeing 5-1	Remarks
		g	f	r	g	f	r	g	f	r	g	f	r		
1															M
2															M
3															M
4															M
5															M
6															M
7															M
8															M
9															M
10															M
11															M
12															M
13															M
14															M
15															M
16															M
17															M
18															M
19															M
20															M
21	1:10	0	0	0	0	0	0	0	0	0	0	0	0	3	
22	2:26	0	0	0	0	0	0	0	0	0	0	0	0	3	
23	2:13	0	0	0	0	0	0	0	0	0	0	0	0	3	
24	3:37	0	0	0	0	0	0	0	0	0	0	0	0	3	
25	1:48	0	0	0	0	0	0	0	0	0	0	0	0	3	
26	2:18	0	0	0	0	0	0	0	0	0	0	0	0	2	
27	1:40	0	0	0	0	0	0	0	0	0	0	0	0	3	
28															R
29															R-C
30	3:08	0	0	0	0	0	0	0	0	0	0	0	0	3	
31															C
Sum				0			0			0			0		
Mean				0.0			0.0			0.0			0.0		

Days

8

8cm Refractor X67 Projection 15cm

関係者各位殿

1月より望遠鏡が故障し、体調も崩してしまい太陽黒点観測を休んでおり、  
 長らく報告ができず申し訳ございませんでした。  
 幸い、回復も順調で、体調も元に戻りつつあります。望遠鏡の方も修繕できましたので、  
 今月より太陽黒点観測報告を復帰したいと思います。  
 今後ともよろしくお願い申し上げます。

藤森 賢一