

MONTHLY REPORT OF SUNSPOT OBSERVATION

JANUARY 2016 Observer - K. Fujimori Suwa City, Nagano

Date	Time	N		S		Total 10q+f			Cent.		Seeing	Remarks	
		q	f	q	f	q	f	R	q	f			5 - 1
1	3h38m	0	0	1	8	1	8	18	0	0	3 - 4		
2	3:10	1	2	1	3	2	5	25	0	0	3		
3	2:45	1	2	1	5	2	7	27	0	0	3 - 4		
4	2:36	3	7	1	6	4	13	53	2	4	2		
5	3:01	1	2	1	7	2	9	29	1	7	3 - 4		
6		-	-	-	-	-	-	-	-	-		C	
7	3:29	2	6	0	0	2	6	26	1	2	2		
8	3:50	3	9	1	5	4	14	54	2	4	2		
9	2:26	5	17	1	6	6	23	83	3	6	3		
10	2:17	4	22	1	2	5	24	74	2	6	3		
11		-	-	-	-	-	-	-	-	-		M	
12		-	-	-	-	-	-	-	-	-		C	
13	4:30	2	8	0	0	2	8	28	2	8	3		
14	2:50	2	6	0	0	2	6	26	2	4	2		
15	2:39	3	7	0	0	3	7	37	0	0	2 - 3		
16	2:05	3	7	0	0	3	7	37	0	0	2 - 3		
17		-	-	-	-	-	-	-	-	-		M	
18		-	-	-	-	-	-	-	-	-		S	
19	3:20	0	0	1	2	1	2	12	0	0	2 - 3		
20	2:40	0	0	2	6	2	6	26	0	0	2 - 3		
21	2:20	1	6	2	12	3	18	48	0	0	2		
22	3:39	1	11	2	9	3	20	50	2	9	2 - 3		
23		-	-	-	-	-	-	-	-	-		C	
24		-	-	-	-	-	-	-	-	-		C	
25	2:30	2	18	1	2	3	20	50	2	17	2		
26	2:31	2	17	1	2	3	19	49	1	11	2 - 3		
27	3:34	2	23	0	0	2	23	43	1	8	2 - 3		
28	2:15	3	23	1	5	4	28	68	1	4	3		
29		-	-	-	-	-	-	-	-	-		C-R	
30		-	-	-	-	-	-	-	-	-		R-C	
31	2:05	1	3	1	2	2	5	25	2	5	2		
Sum		616		272		888			335				
Mean		28.0		12.4		40.4			15.2				

Days 22

8cm Refractor X67 Projection 15cm

MONTHLY REPRT OF SUNSPOT OBSERVATION

FEBRUARY 2016 Observer - K. Fujimori Suwa City, Nagano

Date	Time	N		S		Total 10q+f			Cent.		Seeing	Remarks
		q	f	q	f	q	f	R	q	f		
1		-	-	-	-	-	-	-	-	-		C
2	2h20m	2	7	0	0	2	7	27	0	0	3	
3	2:34	3	13	2	13	5	26	76	1	2	2 - 3	
4	2:11	3	15	3	23	6	38	98	3	16	2	
5	2:53	2	9	4	23	6	32	92	3	17	3	
6		-	-	-	-	-	-	-	-	-		C
7	2:41	2	15	2	16	4	31	71	2	20	3	
8	2:24	2	14	2	16	4	30	70	2	12	2 - 3	
9		-	-	-	-	-	-	-	-	-		C
10	2:35	2	19	1	6	3	25	55	1	11	2	
11	3:02	2	21	1	4	3	25	55	1	19	2 - 3	
12		-	-	-	-	-	-	-	-	-		M
13		-	-	-	-	-	-	-	-	-		C
14		-	-	-	-	-	-	-	-	-		R
15	6:20	2	12	0	0	2	12	32	0	0	2	
16	2:10	2	11	0	0	2	11	31	0	0	2 - 3	
17	5:20	2	7	0	0	2	7	27	0	0	2 - 3	
18	3:00	2	6	0	0	2	6	26	1	4	4	
19	2:31	3	4	0	0	3	4	34	2	3	3	
20		-	-	-	-	-	-	-	-	-		M
21	2:33	3	18	0	0	3	18	48	2	5	3	
22	3:30	2	12	0	0	2	12	32	1	2		
23	2:32	2	10	0	0	2	10	30	0	0	3	
24	2:20	2	6	0	0	2	6	26	0	0	2 - 3	
25	2:34	1	2	1	2	2	4	24	0	0	2 - 3	
26	2:39	1	2	1	4	2	6	26	1	2	2 - 3	
27		-	-	-	-	-	-	-	-	-		M
28		-	-	-	-	-	-	-	-	-		M
29		-	-	-	-	-	-	-	-	-		C-R
Sum		603		277		880			313			
Mean		31.7		14.6		46.3			16.5			

Days 19

8cm Refractor X67 Projection 15cm

MONTHLY REPORT OF SUNSPOT OBSERVATION

MARCH 2016 Observer - K. Fujimori Suwa City, Nagano

Date	Time	N		S		Total 10q+f			Cent.		Seeing	Remarks
		q	f	q	f	q	f	R	q	f		
1	3h18m	2	6	1	8	3	14	44	3	14	2	
2	2:41	2	6	1	8	3	14	44	2	4	3	
3	4:17	3	12	1	4	4	16	56	1	5	2 - 3	
4		-	-	-	-	-	-	-	-	-	-	M
5	3:40	4	16	1	2	5	18	68	3	9	2 - 3	
6		-	-	-	-	-	-	-	-	-	-	C
7		-	-	-	-	-	-	-	-	-	-	C
8	3:00	2	4	0	0	2	4	24	1	2	3	
9		-	-	-	-	-	-	-	-	-	-	R
10		-	-	-	-	-	-	-	-	-	-	M
11	3:56	2	4	0	0	2	4	24	0	0	3	
12	2:51	3	7	0	0	3	7	37	0	0	3	
13	5:10	3	11	0	0	3	11	41	1	3	2	
14		-	-	-	-	-	-	-	-	-	-	S
15	2:52	3	17	0	0	3	17	47	2	14	4	
16	6:20	2	9	1	4	3	13	43	2	6	4	
17	2:21	4	11	0	0	4	11	51	1	4	4	
18	3:00	2	9	0	0	2	9	29	0	0	3	
19	6:05	2	6	0	0	2	6	26	0	0	2 - 3	
20	3:18	2	6	0	0	2	6	26	0	0	2 - 3	
21	3:12	2	6	0	0	2	6	26	1	2	2 - 3	
22	2:19	1	5	0	0	1	5	15	1	5	4	
23		-	-	-	-	-	-	-	-	-	-	C
24	2:09	1	5	1	2	2	7	27	1	5	3	
25	2:47	1	4	1	2	2	6	26	0	0	3	
26	3:16	1	2	1	2	2	4	24	0	0	3	
27	2:12	1	2	1	4	2	6	26	0	0	3	
28	3:20	1	2	1	3	2	5	25	1	3	3	
29	2:13	0	0	1	6	1	6	16	1	6	3	
30	3:30	0	0	1	3	1	3	13	1	3	3	
31	3:29	0	0	1	3	1	3	13	1	3	3	
Sum		590		181		771			318			
Mean		24.6		7.5		32.1			13.3			

Days 24

8cm Refractor X67 Projection 15cm

MONTHLY REPORT OF SUNSPOT OBSERVATION

APRIL 2016 Observer - K. Fujimori Suwa City, Nagano

Date	Time	N		S		Total 10q+f			Cent.		Seeing	Remarks
		q	f	q	f	q	f	R	q	f		
1	3h10m	0	0	1	3	1	3	13	1	3	2	
2	3:10	0	0	1	3	1	3	13	0	0	3	
3		-	-	-	-	-	-	-	-	-	-	C
4		-	-	-	-	-	-	-	-	-	-	C
5	7:12	1	5	1	2	2	7	27	1	5	3	
6	4:00	1	6	0	0	1	6	16	1	6	2	
7		-	-	-	-	-	-	-	-	-	-	R
8		-	-	-	-	-	-	-	-	-	-	C
9	2:38	1	9	0	0	1	9	19	0	0	4	
10		-	-	-	-	-	-	-	-	-	-	C
11	2:51	2	15	0	0	2	15	35	1	2	3	
12	2:40	2	14	0	0	2	14	34	2	6	3	
13		-	-	-	-	-	-	-	-	-	-	C R
14	3:20	2	13	0	0	2	13	33	1	11	2 - 3	
15	3:51	1	16	0	-	1	11	21	1	11	2 - 3	
16	3:10	1	11	0	0	1	11	21	1	8	2 - 3	
17	5:15	2	10	0	0	2	10	30	0	0	2	
18		-	-	-	-	-	-	-	-	-	-	C
19	2:57	2	8	0	0	2	8	28	0	0	2 - 3	
20	3:32	2	4	1	2	3	6	36	1	3	4	
21		-	-	-	-	-	-	-	-	-	-	C-R
22	2:18	0	0	1	2	1	2	12	0	0	4	
23	4:00	0	0	1	2	1	2	12	0	0	4	
24	3:10	1	4	1	2	2	6	26	2	6	3	
25		-	-	-	-	-	-	-	-	-	-	M
26	2:53	3	6	1	2	4	8	48	1	2	4 - 5	
27		-	-	-	-	-	-	-	-	-	-	C
28		-	-	-	-	-	-	-	-	-	-	R
29	2:16	3	16	2	10	5	26	76	1	5	3	
30	2:14	3	19	2	3	5	22	72	2	17	4	
Sum		421		151		572			245			
Mean		22.2		7.9		30.1			12.9			

Days 19

8cm Refractor X67 Projection 15cm

MONTHLY REPORT OF SUNSPOT OBSERVATION

MAY 2016 Observer - K. Fujimori Suwa City, Nagano

Date	Time J. T.	N		S		Total 10q+f			Cent.		Seeing 5 - 1	Remarks
		q	f	q	f	q	f	R	q	f		
1	2h42m	5	21	1	2	6	23	83	2	10	2 - 3	
2	4:40	4	13	1	2	5	15	65	2	9	2	
3		-	-	-	-	-	-	-	-	-	-	C
4	1:50	3	10	0	0	3	10	40	1	2	3	
5	3:01	4	12	0	0	4	12	52	1	3	2	
6		-	-	-	-	-	-	-	-	-	-	C-R
7	4:15	2	9	0	0	2	9	29	1	5	3	
8	2:20	1	6	0	0	1	6	16	1	2	2 - 3	
9		-	-	-	-	-	-	-	-	-	-	C
10		-	-	-	-	-	-	-	-	-	-	R-C
11		-	-	-	-	-	-	-	-	-	-	R
12	2:47	2	14	2	17	4	31	71	3	26	2 - 3	
13	6:39	2	20	2	14	4	34	74	1	7	3	
14	3:10	2	21	3	9	5	30	80	1	9	2 - 3	
15		-	-	-	-	-	-	-	-	-	-	M
16	2:30	1	16	2	5	3	21	51	1	16	2	
17		-	-	-	-	-	-	-	-	-	-	R
18	3:25	1	3	1	2	2	5	25	1	2	2	
19	3:25	4	3	1	2	2	5	25	4	2	2	
20		-	-	-	-	-	-	-	-	-	-	M
21	3:12	0	0	1	4	1	4	14	1	4	5	
22	2:24	0	0	1	5	1	5	15	1	5	3 - 4	
23	4:11	0	0	1	3	1	3	13	0	0	3 - 4	
24	5:00	0	0	1	2	1	2	12	0	0	2 - 3	
25		-	-	-	-	-	-	-	-	-	-	C
26	4:27	1	6	1	2	2	8	28	1	6	3	
27		-	-	-	-	-	-	-	-	-	-	C
28		-	-	-	-	-	-	-	-	-	-	C
29	2:00	1	2	1	6	2	8	28	1	6	4	
30		-	-	-	-	-	-	-	-	-	-	R-C
31	3:01	2	8	0	0	0	2	8	0	0	3 - 4	
Sum		486		265		751			314			
Mean		25.6		13.9		39.5			16.5			

Days 19

8cm Refractor x67 Projection 15cm

MONTHLY REPORT OF SUNSPOT OBSERVATION

JUNE 2061 Observer - K. Fujimori Suwa City, Nagano

Date	Time U. T.	N		S		Total 10g+f			Cent.		Seeing 5 - 1	Remarks
		g	f	g	f	g	f	R	g	f		
1	4h08m	2	7	0	0	2	7	27	0	0	3	
2	3:36	1	3	0	0	1	3	13	0	0	3	
3	2:41	0	0	0	0	0	0	0	0	0	2 - 3	
4		-	-	-	-	-	-	-	-	-	-	C
5	6:20	0	0	0	0	0	0	0	0	0	3	
6	4:00	0	0	0	0	0	0	0	0	0	3	
7		-	-	-	-	-	-	-	-	-	-	C
8	1:55	1	2	0	0	1	2	12	1	2	3	
9		-	-	-	-	-	-	-	-	-	-	C
10	3:12	1	7	1	2	2	9	29	0	0	3	
11	5:10	1	4	1	2	2	6	26	0	0	2	
12		-	-	-	-	-	-	-	-	-	-	C
13		-	-	-	-	-	-	-	-	-	-	R
14	4:23	1	8	1	3	2	11	31	1	3	3	
15	3:10	1	2	1	3	2	5	25	1	3	2 - 3	
16		-	-	-	-	-	-	-	-	-	-	C
17		-	-	-	-	-	-	-	-	-	-	C
18	4:06	1	2	1	2	2	4	24	1	2	4	
19		-	-	-	-	-	-	-	-	-	-	C
20	2:40	2	4	1	2	3	6	36	0	0	2	
21	3:23	1	2	1	2	2	4	24	1	2	2 - 3	
22	2:50	1	2	1	2	2	4	24	1	2	2	
23		-	-	-	-	-	-	-	-	-	-	C
24		-	-	-	-	-	-	-	-	-	-	C
25		-	-	-	-	-	-	-	-	-	-	C-R
26	5:23	0	0	0	0	0	0	0	0	0	3	
27	4:24	0	0	0	0	0	0	0	0	0	3	
28		-	-	-	-	-	-	-	-	-	-	R-C
29	3:40	0	0	0	0	0	0	0	0	0	2 - 3	
30		-	-	-	-	-	-	-	-	-	-	C
Sum		173		98		271			74			
Mean		10.2		5.8		15.9			4.4			

Days 17

8cm Refractor X67 Projection 15cm

MONTHLY REPORT OF SUNSPOT OBSERVATION

July-2016

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	3:56	0	0	0	0	0	0	0	0	0	0	0	0	3	
2	3:10	0	0	0	0	0	0	0	0	0	0	0	0	2-3	
3															C
4	3:09	0	0	0	0	0	0	0	0		0	0	0	3	
5	3:40	0	0	0	0	0	0	0	0	0	0	0	0	2-3	
6	4:14	0	0	0	0	0	0	0	0	0	0	0	0	4	
7	2:45	0	0	0	1	4	14	1	4	14	0	0	0	2-3	
8															C-R
9															R
10	4:28	1	6	16	1	5	15	2	11	31	0	0	0	3-4	
11	4:28	3	14	44	1	5	15	4	19	59	1	1	11	3	
12	2:46	3	12	42	1	2	12	4	14	54	2	7	27	3	
13															C-R
14	2:19	2	4	24	0	0	0	2	4	24	1	1	11	3-4	
15	13:28	2	15	35	1	2	12	3	17	47	2	4	24	3-4	
16	5:10	2	23	43	1	1	11	3	24	54	2	23	43	2-3	
17															C
18	3:20	3	21	51	0	0	0	3	21	51	3	21	51	3	
19	3:49	3	24	54	0	0	0	3	24	54	3	24	54	2-3	
20	3:01	3	24	54	0	0	0	3	24	54	2	16	36	3	
21	2:40	3	17	47	0	0	0	3	17	47	1	2	12	3	
22	6:25	2	12	32	0	0	0	2	12	32	0	0	0	3	
23	2:48	2	10	30	0	0	0	2	10	30	0	0	0	3	
24	2:31	1	5	15	0	0	0	1	5	15	0	0	0	3	
25															C
26															R
27															M
28															M
29															M
30															M
31	2:30	0	0	0	0	0	0	0	0	0	0	0	0	3	
Sum				487			79			566			269		
Mean				24.4			4.0			28.3			13.5		

Days 20
8cm Refractor X67 Projeciton 5cm

MONTHLY REPORT OF SUNSPOT OBSERVATION

August-2016

Observer-K. Fujimori Suwa City, Nagano

Date	Time (UT)	N			S			Total			Cent			Seeing 5-1	Remarks
		g	f	r	g	f	r	g	f	r	g	f	r		
1	4:50	0	0	0	0	0	0	0	0	0	0	0	0	2-3	
2	4:33	0	0	0	0	0	0	0	0	0	0	0	0	3	
3	4:05	0	0	0	0	0	0	0	0	0	0	0	0	3	
4	2:25	0	0	0	0	0	0	0	0	0	0	0	0	3	
5	4:15	2	8	28	0	0	0	2	8	28	1	3	13	3-4	
6	3:41	2	16	36	0	0	0	2	16	36	1	9	19	3	
7															
8															M
9															M
10															M
11															M
12															M
13															M
14															M
15															M
16	2:40	1	10	20	1	4	14	2	14	34	2	14	34	2-3	
17	4:00	1	6	16	1	4	14	2	10	30	0	0	0	2	
18															M
19	2:10	2	6	26	0	0	0	2	6	26	1	2	12	3	
20															C
21	3:50	0	0	0	0	0	0	0	0	0	0	0	0	2-3	
22															C
23	3:00	1	10	20	1	2	12	2	12	32	1	10	20	2	
24	4:50	2	23	43	1	2	12	3	25	55	1	17	27	2	
25															R-C
26	3:30	2	8	28	1	2	12	3	10	40	3	10	40	2-3	
27															R-C
28	3:30	2	12	32	1	2	12	3	14	44	2	8	28	2	
29	7:05	2	18	38	1	2	12	3	20	50	1	4	14	2	
30															R
31	2:10	3	10	40	0	0	0	3	10	40	0	0	0	2-3	
Sum				327			88			415			207		
Mean				20.4			5.5			25.9			12.9		

Days

16

8cm Refractor X67 Projeciton 15cm

MONTHLY REPORT OF SUNSPOT OBSERVAITON

September-2016

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	2:50	2	12	32	0	0	0	2	12	32	0	0	0	2				
2	3:50	2	19	39	0	0	0	2	19	39	0	0	0	2				
3	3:40	2	19	39	0	0	0	2	19	39	0	0	0	3				
4																C		
5																R-C		
6																C		
7	3:40	2	21	41	0	0	0	2	21	41	2	21	41	2				
8																R		
9	2:50	3	20	50	0	0	0	3	20	50	3	20	50	2				
10	3:20	3	20	50	0	0	0	3	20	50	1	8	18	3				
11																C		
12																C		
13																R-C		
14																C		
15																C		
16																C		
17	3:05	1	2	12	0	0	0	1	2	12	0	0	0	2				
18																C		
19																C-R		
20																R		
21																C		
22																C-R		
23																R		
24																C		
25	1:20	0	0	0	1	10	20	1	10	20	1	10	20	2				
26																R-C		
27	1:50	0	0	0	1	15	25	1	15	25	0	0	0	2				
28																C		
29																C		
30	4:30	0	0	0	0	0	0	0	0	0	0	0	0	2-3				
Sum				263			45			308			129					
Mean				26.3			4.5			30.8			12.9					

Days

8cm Refractor X67 Projeciton 15cm

MONTHLY REPORT OF SUNSPOT OBSERVAITON

October-2016

Observer-Kenichi Fujimori Suwa City, Nagano

Date	Time (UT)	N			S			Total			10g+f			Gent			Seeing 5-1	Remarks
		g	f	r	g	f	r	g	f	r	g	f	r	g	f	r		
1																	C	
2	1:50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3		
3																	C-R	
4	2:40	1	4	14	1	6	16	2	10	30	0	0	0	2				
5	2:10	1	6	16	1	7	17	2	13	33	1	6	16	2				
6	1:20	1	10	20	1	7	17	2	17	37	1	10	20	2				
7	1:20	2	17	37	1	11	21	3	28	58	1	15	25	2-3				
8	2:50	2	14	34	1	17	27	3	31	61	2	29	49	2-3				
9																	C	
10	3:30	3	15	45	1	5	15	4	20	60	1	5	15	2-3				
11																	R-C	
12	3:30	1	2	12	1	7	17	2	9	29	1	2	12	3				
13	4:00	2	4	24	1	5	15	3	9	39	1	2	12	2-3				
14	5:20	2	4	24	1	3	13	3	7	37	1	2	12	2				
15	6:10	2	5	25	1	3	13	3	8	38	1	3	13	2-3				
16	1:10	2	4	24	0	0	0	2	4	24	1	2	12	3				
17																	R-C	
18	2:40	2	7	27	0	0	0	2	7	27	1	5	15	3				
19	3:00	1	11	21	0	0	0	1	11	21	1	11	21	2-3				
20	2:50	1	7	17	0	0	0	1	7	17	0	0	0	4				
21																	C	
22																	C	
23																	C	
24	3:20	1	2	12	0	0	0	1	2	12	1	2	12	4				
25																	C-R	
26	3:20	1	6	16	0	0	0	1	6	16	0	0	0	3				
27	2:30	1	3	13	0	0	0	1	3	13	0	0	0	3				
28																	C	
29																	C	
30																	C	
31																	C	
Sum		381			171			552			234							
Mean		21.2			9.5			30.7			13.0							

Days 18

8cm Refractor X67 Projeciton 15cm

MONTHLY REPORT OF SUNSPOT OBSERVATION

November-2016

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	2:30	1	2	12	0	0	0	1	2	12	1	2	12	2				
2		-	-	-	-	-	-	-	-	-	-	-	-	-	C			
3	2:50	1	2	12	0	0	0	1	2	12	1	2	12	4				
4	3:20	1	2	12	0	0	0	1	2	12	1	2	12	3				
5	6:00	1	2	12	0	0	0	1	2	12	0	0	0	4				
6	4:20	1	2	12	0	0	0	1	2	12	0	0	0	3				
7	3:10	1	2	12	0	0	0	1	2	12	1	2	12	3				
8	4:10	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		-	-	-	-	-	-	-	-	-	-	-	-	-	R-C			
11	4:50	0	0	0	1	2	12	1	2	12	0	0	0	2				
12	3:50	0	0	0	0	0	0	0	0	0	0	0	0	2				
13	3:20	1	2	12	0	0	0	1	2	12	1	2	12	3				
14		-	-	-	-	-	-	-	-	-	-	-	-	-	C			
15	4:10	0	0	0	0	0	0	0	0	0	0	0	0	3				
16	2:40	1	5	15	0	0	0	1	5	15	1	5	15	3				
17	1:50	1	9	19	0	0	0	1	9	19	1	9	19	3				
18	2:10	1	4	14	0	0	0	1	4	14	0	0	0	2				
19		-	-	-	-	-	-	-	-	-	-	-	-	-	R			
20		-	-	-	-	-	-	-	-	-	-	-	-	-	C			
21		-	-	-	-	-	-	-	-	-	-	-	-	-	C			
22	2:10	0	0	0	0	0	0	0	0	0	0	0	0	3				
23	3:10	1	2	12	0	0	0	1	2	12	0	0	0	3				
24		-	-	-	-	-	-	-	-	-	-	-	-	-	S			
25	3:10	1	5	15	0	0	0	1	5	15	0	0	0	3				
26	2:10	1	6	16	0	0	0	1	6	16	0	0	0	3				
27		-	-	-	-	-	-	-	-	-	-	-	-	-	R			
28	2:40	2	9	29	0	0	0	2	9	29	1	6	16	3				
29	4:10	2	13	33	0	0	0	2	13	33	2	13	33	3				
30		-	-	-	-	-	-	-	-	-	-	-	-	-	R			
Sum				237			12			249			143					
Mean				11.3			0.6			11.9			6.8					

Days

21

8cm Refractor X67 Projeciton 5cm

MONTHLY REPORT OF SUNSPOT OBSERVATION

December-2016

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																	C	
2	3:10	3	11	41	1	7	17	4	18	58	3	11	41	2				
3	2:50	1	4	14	1	11	21	2	15	35	1	11	21	3				
4	3:10	0	0	0	1	10	20	1	10	20	1	10	20	2				
5	3:30	0	0	0	1	8	18	1	8	18	1	8	18	2				
6	3:10	0	0	0	1	8	18	1	8	18	1	8	18	2				
7	3:05	0	0	0	1	10	20	1	10	20	0	0	0	3				
8	3:10	0	0	0	1	4	14	1	4	14	0	0	0	3				
9																	C	
10	2:30	0	0	0	0	0	0	0	0	0	0	0	0	3				
11	2:15	0	0	0	0	0	0	0	0	0	0	0	0	3				
12	2:45	1	2	12	0	0	0	1	2	12	0	0	0	3				
13																	R	
14																	C	
15	3:45	1	2	12	0	0	0	1	2	12	0	0	0					
16	5:05	0	0	0	0	0	0	0	0	0	0	0	0	3				
17																	C	
18	3:50	0	0	0	0	0	0	0	0	0	0	0	0	3				
19	3:45	1	4	14	0	0	0	1	4	14	1	4	14	4				
20	5:10	0	0	0	0	0	0	0	0	0	0	0	0	3				
21	2:50	0	0	0	1	5	15	1	5	15	0	0	0	3				
22																	C	
23	4:25	0	0	0	0	0	0	0	0	0	0	0	0	3				
24	2:10	0	0	0	0	0	0	0	0	0	0	0	0	3				
25	5:00	0	0	0	0	0	0	0	0	0	0	0	0	3				
26																	C	
27																	R	
28	2:20	0	0	0	0	0	0	0	0	0	0	0	0	3				
29	3:50	0	0	0	0	0	0	0	0	0	0	0	0	3				
30	4:15	0	0	0	0	0	0	0	0	0	0	0	0	3				
31	2:40	0	0	0	0	0	0	0	0	0	0	0	0	3				
Sum				93			143			236			132					
Mean				4.0			6.2			10.3			5.7					

Days

23

8cm Refractor X67 Projeciton 15cm

RELATIVE SUNSPOT NUMBER FOR 2016

Observer: Kenichi Fujimori

Instrument - 8cm Refractor × 67 Projection 15cm

Suwa City, Nagano Japan

Total days 228 R.S.N. Total: 6.459 (N: 4677, S: 1782)

Yearly mean 28.3 (N: 20.5, S: 7.8)