

MONTHLY REPORT OF SUNSPOT OBSERVATION

JANUARY 2010 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	2h30m	0	0	1	10	1	10	20	0	0	2	
2	1:56	0	0	1	14	1	14	24	0	0	3 - 4	
3	6:00	0	0	1	10	1	10	20	0	0	1 - 2	
4	2:11	0	0	1	6	1	6	16	0	0	2 - 3	
5	2:11	0	0	1	2	1	2	12	0	0	3 - 4	
6	2:49	0	0	0	0	0	0	0	0	0	2	
7	3:05	0	0	0	0	0	0	0	0	0	4	
8	3:09	1	2	0	0	1	2	12	0	0	4	
9	3:22	1	6	0	0	1	6	16	0	0	3	
10	2:48	2	17	0	0	2	17	37	0	0	4	
11	4:12	2	26	0	0	2	26	46	0	0	2 - 3	
12	-	-	-	-	-	-	-	-	-	-	-	C
13	2:40	1	22	0	0	1	22	32	0	0	2	
14	-	-	-	-	-	-	-	-	-	-	-	C
15	3:00	1	23	0	0	1	23	33	0	0	2 - 3	
16	-	-	-	-	-	-	-	-	-	-	-	M
17	2:08	1	10	0	0	1	10	20	0	0	2	
18	3:05	1	5	0	0	1	5	15	0	0	2	
19	2:01	0	0	0	0	0	0	0	0	0	2 - 3	
20	2:50	0	0	0	0	0	0	0	0	0	2 - 3	
21	-	-	-	-	-	-	-	-	-	-	-	R
22	2:08	0	0	1	10	1	10	20	0	0	2	
23	2:20	1	13	1	12	2	25	45	0	0	2	
24	2:32	1	13	1	17	2	30	50	0	0	2	
25	-	-	-	-	-	-	-	-	-	-	-	C
26	2:58	1	4	1	11	2	15	35	1	11	2 - 3	
27	2:28	0	0	1	8	1	8	18	1	8	2 - 3	
28	-	-	-	-	-	-	-	-	-	-	-	S-R
29	2:24	0	0	1	2	1	2	12	0	0	2 - 3	
30	0:53	0	0	1	1	1	1	11	0	0	2	
31	2:00	1	7	0	0	1	7	17	0	0	2	
Sum		288		223		511			39			
Mean		11.5		8.9		20.4			1.6			

Days 25

8cm Refractor X67 Projection 15cm

POLAR FACULAE (Days 21)

N	S
0.00	0.00
0.00	

MONTHLY REPORT OF SUNSPOT OBSERVATION

FEBRUARY 2010 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		-	-	-	-	-	-	-	-	-		C
2		-	-	-	-	-	-	-	-	-		C
3	3h57m	1	4	0	0	1	4	14	0	0	3	
4	3:02	1	3	0	0	1	3	13	0	0	3	
5	2:58	1	2	0	0	1	2	12	0	0	4	
6		-	-	-	-	-	-	-	-	-		C
7	2:38	2	26	0	0	2	26	46	1	9	2	
8	2:40	2	30	0	0	2	30	50	1	27	2	
9	5:00	2	35	1	2	3	37	67	1	2	2 - 3	
10		-	-	-	-	-	-	-	-	-		C
11		-	-	-	-	-	-	-	-	-		C-S
12		-	-	-	-	-	-	-	-	-		C
13	1:30	3	29	0	0	3	29	59	1	15	2	
14	1:38	3	14	0	0	3	14	44	0	0	1 - 2	
15		-	-	-	-	-	-	-	-	-		S
16		-	-	-	-	-	-	-	-	-		C
17		-	-	-	-	-	-	-	-	-		C
18	2:10	0	0	1	12	1	12	22	1	12	2	
19	2:11	0	0	1	13	1	13	23	1	13	3 - 4	
20	2:32	0	0	1	11	1	11	21	1	9	2	
21	3:20	0	0	1	9	1	9	19	0	0	2	
22	3:35	0	0	1	4	1	4	14	0	0	3	
23	2:49	0	0	1	8	1	8	18	0	0	4	
24	2:28	1	2	2	11	3	13	43	1	8	3 - 4	
25	2:30	1	3	1	8	2	11	31	1	6	2 - 3	
26		-	-	-	-	-	-	-	-	-		C
27		-	-	-	-	-	-	-	-	-		R-C
28	5:20	1	3	0	0	1	3	13	0	0	2 - 3	
Sum			331		178			509		191		
Mean			19.5		10.5			29.9		11.2		

Days 17

8cm Refractor X67 Projection 15cm

POLAR FACULAE(Days 10)

<u>N</u>	<u>S</u>
<u>0.00</u>	<u>0.20</u>
<u>0.20</u>	

MONTHLY REPORT OF SUNSPOT OBSERVATION

MARCH 2010 Observer - K. Fujimori Suwa City, Nagano

Date	Time	N		S		Total 10g+f			Cent.		Seeing	Remarks
		g	f	g	f	g	f	R	g	f		
1		-	-	-	-	-	-	-	-	-	-	M
2	4h10m	1	2	2	5	3	7	37	1	2	2 - 3	
3	1:50	1	2	2	7	3	9	39	1	2	3	
4		-	-	-	-	-	-	-	-	-	-	R
5	2:39	1	2	2	7	3	9	39	0	0	3	
6		-	-	-	-	-	-	-	-	-	-	C
7		-	-	-	-	-	-	-	-	-	-	S
8		-	-	-	-	-	-	-	-	-	-	C
9		-	-	-	-	-	-	-	-	-	-	S
10	3:48	0	0	0	0	0	0	0	0	0	3	
11	2:32	1	6	1	6	2	12	32	1	6	3	
12	2:10	1	12	1	4	2	16	36	1	4	2	
13		-	-	-	-	-	-	-	-	-	-	C
14	2:41	2	27	0	0	2	27	47	2	27	2	
15		-	-	-	-	-	-	-	-	-	-	C
16	3:20	1	13	0	0	1	13	23	1	13	2 - 3	
17	2:57	2	9	0	0	2	9	29	0	0	2 - 3	
18		-	-	-	-	-	-	-	-	-	-	C
19	2:19	2	4	0	0	2	4	24	0	0	2 - 3	
20	3:32	1	3	0	0	1	3	13	1	3	2 - 3	
21	2:10	1	14	0	0	1	14	24	1	14	3	
22	2:53	1	9	0	0	1	9	19	1	9	2 - 3	
23		-	-	-	-	-	-	-	-	-	-	C
24		-	-	-	-	-	-	-	-	-	-	C-R
25		-	-	-	-	-	-	-	-	-	-	R
26	3:57	1	12	0	0	1	12	22	0	0	2	
27		-	-	-	-	-	-	-	-	-	-	M
28	1:40	1	14	1	2	2	16	36	1	14	2 - 3	
29	5:30	1	17	1	2	2	19	39	1	17	1 - 2	
30	2:25	1	16	1	3	2	19	39	1	16	2	
31		-	-	-	-	-	-	-	-	-	-	C
Sum		352		146		498			257			
Mean		20.7		8.6		29.3			15.1			

Days 17

POLAR FACULAE(Days 13)

8cm Refractor X67 Projection 15cm

<u>N</u>	<u>S</u>
<u>0.00</u>	<u>0.08</u>
<u>0.08</u>	

MONTHLY REPORT OF SUNSPOT OBSERVATION

APRIL 2010 Observer - K. Fujimori Suwa City, Nagano

Date	Time	N		S		Total 10g+f			Cent.		Seeing	Remarks
		g	f	g	f	g	f	R	g	f		
1	5h10m	1	5	1	3	2	8	28	1	3	1 - 2	
2	4:10	1	5	1	4	2	9	29	1	4	1 - 2	
3	5:06	1	6	1	4	2	10	30	1	4	2 - 3	
4	2:48	1	5	1	4	2	9	29	1	4	2 - 3	
5		-	-	-	-	-	-	-	-	-		R
6	2:35	2	15	0	0	2	15	35	1	10	2 - 3	
7		-	-	-	-	-	-	-	-	-		R
8	2:40	2	6	0	0	2	6	26	0	0	3	
9		-	-	-	-	-	-	-	-	-		M
10	3:30	1	1	0	0	1	1	11	0	0	3	
11	2:21	0	0	0	0	0	0	0	0	0	2 - 3	
12		-	-	-	-	-	-	-	-	-		R
13	2:30	0	0	1	2	1	2	12	1	2	2 - 3	
14	3:20	0	0	0	0	0	0	0	0	0	2	
15		-	-	-	-	-	-	-	-	-		C
16		-	-	-	-	-	-	-	-	-		C-R
17	2:19	0	0	0	0	0	0	0	0	0	4	
18	3:00	0	0	0	0	0	0	0	0	0	4	
19	4:10	0	0	0	0	0	0	0	0	0	2	
20		-	-	-	-	-	-	-	-	-		C-R
21	1:59	0	0	0	0	0	0	0	0	0	2 - 3	
22		-	-	-	-	-	-	-	-	-		R
23		-	-	-	-	-	-	-	-	-		C
24	4:18	0	0	0	0	0	0	0	0	0	2 - 3	
25	2:45	1	2	0	0	1	2	12	1	2	2 - 3	
26	2:50	0	0	0	0	0	0	0	0	0	2	
27		-	-	-	-	-	-	-	-	-		R
28	3:45	0	0	0	0	0	0	0	0	0	2 - 3	
29	3:06	0	0	0	0	0	0	0	0	0	2	
30	3:07	0	0	0	0	0	0	0	0	0	3 - 4	
Sum		145		67		212			99			
Mean		7.3		3.4		10.6			5.0			

Days 20

POLAR FACULAE(Days 16)

8cm Refractor X67 Projection 15cm

<u>N</u>	<u>S</u>
<u>0.00</u>	<u>0.00</u>
<u>0.00</u>	

MONTHLY REPORT OF SUNSPOT OBSERVATION

MAY 2010 Observer - K. Fujimori Suwa City, Nagano

Date	Time	N		S		Total 10g+f			Cent.		Seeing	Remarks
		g	f	g	f	g	f	R	g	f		
1	3h10m	1	3	0	0	1	3	13	0	0	4	
2	2:20	2	2	1	1	3	3	33	1	1	3	
3	2:43	1	4	1	2	2	6	26	1	2	3	
4	3:06	1	3	2	7	3	10	40	1	5	4	
5	2:28	3	14	0	0	3	14	44	1	3	4 - 5	
6	2:31	1	11	1	1	2	12	32	1	1	4	
7		-	-	-	-	-	-	-	-	-		R
8	3:26	1	2	1	1	2	3	23	0	0	3	
9	2:30	0	0	0	0	0	0	0	0	0	3	
10		-	-	-	-	-	-	-	-	-		C
11		-	-	-	-	-	-	-	-	-		R-C
12	3:50	0	0	0	0	0	0	0	0	0	3	
13	2:05	0	0	0	0	0	0	0	0	0	3	
14	3:10	0	0	0	0	0	0	0	0	0	3	
15	3:15	0	0	0	0	0	0	0	0	0	3	
16	3:37	0	0	0	0	0	0	0	0	0	3	
17	3:16	0	0	0	0	0	0	0	0	0	3	
18	2:50	0	0	0	0	0	0	0	0	0	2 - 3	
19		-	-	-	-	-	-	-	-	-		C-R
20		-	-	-	-	-	-	-	-	-		M
21	3:47	0	0	1	4	1	4	14	1	2	4 - 5	
22		-	-	-	-	-	-	-	-	-		M
23		-	-	-	-	-	-	-	-	-		R
24		-	-	-	-	-	-	-	-	-		R
25	3:30	0	0	1	2	1	2	12	1	2	2	
26	5:00	0	0	1	2	1	2	12	0	0	2 - 3	
27	3:25	0	0	1	2	1	2	12	0	0	4 - 5	
28	2:16	0	0	1	2	1	2	12	0	0	3	
29	3:47	1	2	0	0	1	2	12	0	0	3	
30	2:50	2	6	1	5	3	11	41	1	5	4	
31	2:25	1	2	0	0	1	2	12	1	2	3	
Sum		189		149		338			113			
Mean		8.2		6.5		14.7			4.9			

Days 23

8cm Refractor X67 Projection 15cm

POLAR FACULAE(Days 20)

<u>N</u>	<u>S</u>
0.00	0.15
0.15	

MONTHLY REPORT OF SUNSPOT OBSERVATION

JUNE 2010 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	4h38m	0	0	1	4	1	4	14	1	4	3 - 4	
2	3:00	0	0	1	8	1	8	18	1	8	4 - 5	
3	2:22	0	0	1	14	1	14	24	1	8	2 - 3	
4	2:29	0	0	1	13	1	13	23	0	0	4	
5	3:09	1	2	1	6	2	8	28	0	0	4	
6	2:05	0	0	1	4	1	4	14	0	0	4	
7		-	-	-	-	-	-	-	-	-		M
8		-	-	-	-	-	-	-	-	-		C
9		-	-	-	-	-	-	-	-	-		C
10	2:25	1	1	3	12	4	13	53	0	0	4	
11	3:20	1	1	2	14	3	15	45	0	0	4	
12	2:35	1	14	1	10	2	24	44	0	0	3 - 4	
13		-	-	-	-	-	-	-	-	-		C
14		-	-	-	-	-	-	-	-	-		C
15	3:08	0	0	0	0	0	0	0	0	0	2 - 3	
16	2:09	0	0	0	0	0	0	0	0	0	3	
17	2:24	1	3	0	0	1	3	13	0	0	4 - 5	
18		-	-	-	-	-	-	-	-	-		C-R
19	4:00	2	9	0	0	2	9	29	1	5	2 - 3	
20	1:40	1	7	0	0	1	7	17	1	7	2	
21	2:40	1	5	0	0	1	5	15	1	5	3	
22	4:50	1	5	0	0	1	5	15	0	0	2 - 3	
23		-	-	-	-	-	-	-	-	-		R-C
24	3:18	1	4	0	0	1	4	14	0	0	4 - 5	
25		-	-	-	-	-	-	-	-	-		M
26		-	-	-	-	-	-	-	-	-		R-C
27		-	-	-	-	-	-	-	-	-		R-C
28	2:50	0	0	1	2	1	2	12	0	0	2	
29		-	-	-	-	-	-	-	-	-		M
30	2:20	0	0	1	2	1	2	12	0	0	3	
Sum		161		229		390			97			
Mean		8.5		12.1		20.5			5.1			

Days 19

POLAR FACULAE(Days 16)

8cm Refractor X67 Projection 15cm

<u>N</u>	<u>S</u>
0.06	0.00
<u>0.06</u>	

MONTHLY REPORT OF SUNSPOT OBSERVATION

JULY 2010 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	2h10m	0	0	1	2	1	2	12	1	2	2	
2	2:32	0	0	1	2	1	2	12	1	2	3	
3		-	-	-	-	-	-	-	-	-		C-R
4	4:53	0	0	1	3	1	3	13	1	3	3	
5	1:30	1	2	1	2	2	4	24	0	0	2 - 3	
6	3:10	1	3	1	2	2	5	25	0	0	3	
7		-	-	-	-	-	-	-	-	-		C
8	1:20	0	0	1	2	1	2	12	0	0	3	
9		-	-	-	-	-	-	-	-	-		C-R
10	2:38	2	6	0	0	2	6	26	0	0	4 - 5	
11		-	-	-	-	-	-	-	-	-		R
12		-	-	-	-	-	-	-	-	-		R
13		-	-	-	-	-	-	-	-	-		R
14		-	-	-	-	-	-	-	-	-		R
15		-	-	-	-	-	-	-	-	-		C-R
16	2:15	1	6	0	0	1	6	16	1	6	3	
17	4:40	1	4	0	0	1	4	14	1	4	3	
18	2:43	1	3	0	0	1	3	13	0	0	3	
19	2:32	1	2	0	0	1	2	12	1	2	3	
20	2:23	1	1	1	7	2	8	28	0	0	4	
21	2:30	0	0	1	20	1	20	30	0	0	3	
22	4:05	0	0	1	29	1	29	39	0	0	4	
23	2:24	0	0	1	27	1	27	37	0	0	4	
24	2:00	1	1	1	21	2	22	42	1	6	3 - 4	
25	1:21	1	1	1	19	2	20	40	1	16	3 - 4	
26	3:10	1	1	1	13	2	14	34	1	10	2 - 3	
27	2:24	0	0	1	8	1	8	18	0	0	4	
28	2:32	1	2	1	7	2	9	29	0	0	3	
29		-	-	-	-	-	-	-	-	-		R
30		-	-	-	-	-	-	-	-	-		M
31	2:50	2	4	1	1	3	5	35	0	0	4	
Sum		186		325		511			141			
Mean		8.9		15.5		24.3			6.7			

Days 21

8cm Refractor X67 Projection 15cm

POLAR FACULAE (Days 18)

<u>N</u>	<u>S</u>
0.00	0.00
0.00	

MONTHLY REPORT OF SUNSPOT OBSERVATION

AUGUST 2010 Observer - K. Fujimori Suwa City, Nagano

Date	Time	N		S		Total 10g+f			Cent.		Seeing	Remarks
		g	f	g	f	g	f	R	g	f		
1	2h25m	2	7	0	0	2	7	27	1	1	4	
2	2:46	2	6	0	0	2	6	26	2	6	3 - 4	
3	2:51	2	7	0	0	2	7	27	2	7	3	
4	1:48	3	8	0	0	3	8	38	2	6	3	
5	2:56	3	17	0	0	3	17	47	1	2	3	
6	2:26	3	13	1	2	4	15	55	0	0	3	
7	2:39	3	7	1	3	4	10	50	0	0	3 - 4	
8		-	-	-	-	-	-	-	-	-		C
9		-	-	-	-	-	-	-	-	-		C
10	3:30	3	18	1	2	4	20	60	4	20	2 - 3	
11		-	-	-	-	-	-	-	-	-		C
12		-	-	-	-	-	-	-	-	-		C
13	4:40	2	6	0	0	2	6	26	1	2	1 - 2	
14		-	-	-	-	-	-	-	-	-		C
15	6:00	3	19	0	0	3	19	49	1	2	3	
16	2:50	3	12	1	1	4	13	53	2	4	4	
17	2:36	1	7	1	2	2	9	29	0	0	4	
18	2:26	1	3	1	2	2	5	25	0	0	4	
19	3:43	0	0	1	2	1	2	12	0	0	2 - 3	
20	2:02	0	0	0	0	0	0	0	0	0	3	
21	3:05	0	0	0	0	0	0	0	0	0	3	
22	5:41	0	0	0	0	0	0	0	0	0	2	
23	2:22	0	0	0	0	0	0	0	0	0	3 - 4	
24	6:08	1	2	0	0	1	2	12	0	0	4	
25	2:49	1	4	0	0	1	4	14	0	0	3	
26	3:26	1	2	0	0	1	2	12	0	0	2 - 3	
27	2:06	1	2	0	0	1	2	12	0	0	3	
28	1:59	1	2	0	0	1	2	12	0	0	3	
29	3:30	2	5	0	0	2	5	25	2	5	3	
30	2:24	2	13	0	0	2	13	33	2	13	2 - 3	
31	2:24	2	13	0	0	2	13	33	1	3	4	
Sum		593		84		677			281			
Mean		22.8		3.2		26.0			10.8			

Days 26

8cm Refractor X67 Projection 15cm

POLAR FACULAE(Days 25)

<u>N</u>	<u>S</u>
0.00	0.00
<u>0.00</u>	

MONTHLY REPORT OF SUNSPOT OBSERVATION

SEPTEMBER 2010 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	4h05m	2	14	0	0	2	14	34	1	4	4	
2	2:24	5	12	0	0	5	12	62	2	3	4	
3	1:45	4	21	0	0	4	21	61	1	14	4	
4	2:02	3	21	0	0	3	21	51	1	16	4	
5	2:15	2	22	0	0	2	22	42	0	0	4	
6	3:50	1	13	0	0	1	13	23	0	0	3	
7	4:02	1	4	0	0	1	4	14	0	0	4	
8		-	-	-	-	-	-	-	-	-		R
9	3:47	0	0	0	0	0	0	0	0	0	4 - 5	
10	2:43	0	0	0	0	0	0	0	0	0	4	
11	2:47	0	0	1	2	1	2	12	0	0	4	
12	3:15	0	0	1	3	1	3	13	0	0	3 - 4	
13	3:38	0	0	1	7	1	7	17	0	0	4	
14	3:03	0	0	1	8	1	8	18	0	0	4	
15		-	-	-	-	-	-	-	-	-		C
16		-	-	-	-	-	-	-	-	-		R
17	3:08	0	0	2	27	2	27	47	1	19	3	
18	5:05	0	0	2	24	2	24	44	1	9	3 - 4	
19	4:40	0	0	2	22	2	22	42	0	0	2 - 3	
20		-	-	-	-	-	-	-	-	-		C
21	4:00	0	0	2	10	2	10	30	0	0	2 - 3	
22		-	-	-	-	-	-	-	-	-		C
23		-	-	-	-	-	-	-	-	-		R
24		-	-	-	-	-	-	-	-	-		C
25	2:35	1	16	1	4	2	20	40	0	0	2	
26	2:28	1	23	1	3	2	26	46	1	12	3	
27	4:20	2	26	1	2	3	28	58	2	26	3	
28		-	-	-	-	-	-	-	-	-		R
29	2:26	3	26	0	0	3	26	56	1	15	3	
30		-	-	-	-	-	-	-	-	-		R
Sum			448		262			710		228		
Mean			21.3		12.5			33.8		10.9		

Days 21

POLAR FACULAE(Days 21)

<u>N</u>	<u>S</u>
0.00	0.00
<u>0.00</u>	

8cm Refractor X67 Projection 15cm

MONTHLY REPORT OF SUNSPOT OBSERVATION

OCTOBER 2010 Observer - K. Fujimori Suwa City, Nagano

Date	Time	N		S		Total 10g+f			Cent.		Seeing	Remarks
		g	f	g	f	g	f	R	g	f		
1	2h13m	3	18	0	0	3	18	48	0	0	3	
2		-	-	-	-	-	-	-	-	-		M
3		-	-	-	-	-	-	-	-	-		C
4		-	-	-	-	-	-	-	-	-		C-R
5	4:17	0	0	0	0	0	0	0	0	0	2	
6	3:40	0	0	0	0	0	0	0	0	0	2 - 3	
7	4:00	0	0	0	0	0	0	0	0	0	2	
8	3:06	0	0	0	0	0	0	0	0	0	2	
9		-	-	-	-	-	-	-	-	-		C-R
10	3:49	0	0	1	2	1	2	12	0	0	2	
11	6:27	0	0	1	3	1	3	13	0	0	3	
12	4:30	0	0	1	2	1	2	12	0	0	2	
13	3:29	0	0	1	4	1	4	14	1	1	3	
14	3:30	1	2	1	2	2	4	24	1	2	2	
15	3:02	1	2	2	13	3	15	45	1	11	3 - 4	
16	2:45	1	2	2	18	3	20	50	1	16	3	
17		-	-	-	-	-	-	-	-	-		C
18	3:10	1	3	2	18	3	21	51	1	3	2	
19	6:10	4	7	2	14	6	21	81	2	4	4	
20		-	-	-	-	-	-	-	-	-		C
21		-	-	-	-	-	-	-	-	-		C
22		-	-	-	-	-	-	-	-	-		C
23	2:18	2	13	1	2	3	15	45	0	0	2	
24		-	-	-	-	-	-	-	-	-		C-R
25		-	-	-	-	-	-	-	-	-		R-C
26	3:30	2	26	1	2	3	28	58	1	24	1 - 2	
27	2:40	1	24	1	2	2	26	46	1	24	2	
28		-	-	-	-	-	-	-	-	-		R
29	3:20	2	23	0	0	2	23	43	0	0	2	
30		-	-	-	-	-	-	-	-	-		R
31		-	-	-	-	-	-	-	-	-		C-R
Sum		300		242		542			175			
Mean		16.7		13.4		30.1			9.7			

Days 18

8cm Refractor X67 Projection 15cm

POLAR FACULAE(Days 12)

<u>N</u>	<u>S</u>
0.00	0.00
<u>0.00</u>	

MONTHLY REPORT OF SUNSPOT OBSERVATION

NOVEMBER 2010 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	3h30m	2	11	0	0	2	11	31	0	0	2	
2		-	-	-	-	-	-	-	-	-	-	C
3	3:10	1	9	0	0	1	9	19	0	0	2 - 3	
4	1:52	1	4	0	0	1	4	14	0	0	2 - 3	
5	1:42	1	3	1	1	2	4	24	0	0	3	
6	2:10	1	2	1	6	2	8	28	1	2	2	
7	2:20	1	1	1	8	2	9	29	1	1	2 - 3	
8	5:40	1	5	1	7	2	12	32	1	5	1 - 2	
9		-	-	-	-	-	-	-	-	-	-	M
10	2:57	1	3	1	4	2	7	27	1	4	2 - 3	
11	1:46	2	5	1	15	3	20	50	1	15	2 - 3	
12	4:29	1	5	1	9	2	14	34	2	14	3	
13		-	-	-	-	-	-	-	-	-	-	C
14		-	-	-	-	-	-	-	-	-	-	C
15		-	-	-	-	-	-	-	-	-	-	C
16	4:51	2	13	1	11	3	24	54	0	0	3	
17	5:36	2	14	1	11	3	25	55	0	0	4	
18	3:21	2	11	1	7	3	18	48	0	0	2 - 3	
19	3:11	2	6	1	7	3	13	43	0	0	3	
20	5:24	2	6	1	6	3	12	42	0	0	3 - 4	
21	2:25	1	3	1	6	2	9	29	1	3	2	
22		-	-	-	-	-	-	-	-	-	-	R
23	6:30	2	6	0	0	2	6	26	1	4	2	
24	3:40	1	2	0	0	1	2	12	0	0	2	
25	2:30	1	2	0	0	1	2	12	0	0	1 - 2	
26	2:12	1	2	1	1	2	3	23	0	0	4	
27	3:01	1	2	0	0	1	2	12	0	0	3	
28		-	-	-	-	-	-	-	-	-	-	C
29	2:46	1	12	0	0	1	12	22	1	12	2 - 3	
30	4:20	1	15	0	0	1	15	25	1	15	2 - 3	
Sum			452		239			691		185		
Mean			19.7		10.4			30.0		8.0		

Days 23

8cm Refractor X67 Projection 15cm

POLAR FACULAE(Days 20)

<u>N</u>	<u>S</u>
<u>0.00</u>	<u>0.00</u>
<u>0.00</u>	

MONTHLY REPORT OF SUNSPOT OBSERVATION

DECEMBER 2010 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	3h12m	1	20	0	0	1	20	30	1	15	4	
2	2:55	2	16	0	0	2	16	36	0	0	2 - 3	
3		-	-	-	-	-	-	-	-	-		R
4	2:19	4	10	0	0	4	10	50	1	5	3	
5	3:27	3	12	0	0	3	12	42	1	8	2 - 3	
6	2:33	3	6	0	0	3	6	36	1	2	2 - 3	
7		-	-	-	-	-	-	-	-	-		C
8	3:24	2	6	0	0	2	6	26	1	3	3 - 4	
9	3:05	2	4	0	0	2	4	24	1	2	2	
10	4:59	2	6	0	0	2	6	26	1	4	4	
11	2:50	2	6	0	0	2	6	26	1	3	2 - 3	
12	2:20	2	4	0	0	2	4	24	1	2	2 - 3	
13		-	-	-	-	-	-	-	-	-		C-R
14	5:30	3	5	0	0	3	5	35	0	0	2 - 3	
15	2:06	2	3	0	0	2	3	23	0	0	1 - 2	
16		-	-	-	-	-	-	-	-	-		C
17	3:10	1	2	0	0	1	2	12	1	2	2 - 3	
18	2:26	1	1	0	0	1	1	11	1	1	3 - 4	
19	3:09	0	0	0	0	0	0	0	0	0	1 - 2	
20	1:51	0	0	0	0	0	0	0	0	0	2	
21		-	-	-	-	-	-	-	-	-		C
22	4:10	0	0	1	3	1	3	13	1	2	3	
23	2:42	0	0	0	0	0	0	0	0	0	2 - 3	
24	4:20	0	0	1	2	1	2	12	0	0	2 - 3	
25		-	-	-	-	-	-	-	-	-		C
26	5:50	1	5	1	3	2	8	28	1	3	2	
27	4:10	1	5	0	0	1	5	15	1	5	2 - 3	
28	2:50	1	12	0	0	1	12	22	1	12	2 - 3	
29	1:56	1	8	0	0	1	8	18	1	2	3 - 4	
30		-	-	-	-	-	-	-	-	-		S-R
31	2:52	2	8	0	0	2	8	28	0	0	2 - 3	
Sum		499		38		537			231			
Mean		20.8		1.6		22.4			9.6			

Days 24

8cm Refractor X67 Projection 15cm

POLAR FACULAE(Days 18)

<u>N</u>	<u>S</u>
<u>0.00</u>	<u>0.00</u>
<u>0.00</u>	