

MONTHLY REPORT OF SUNSPOT OBSERVATION

JANUARY 2011 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	4h01m	2	11	1	4	3	15	45	0	0	3	
2	3:22	2	11	1	11	3	22	52	1	2	2 - 3	
3	3:17	2	6	1	7	3	13	43	1	7	2	
4	3:01	2	4	1	20	3	24	54	1	20	2 - 3	
5	2:12	1	3	1	11	2	14	34	1	11	1 - 2	
6	2:46	1	2	1	8	2	10	30	1	8	1 - 2	
7		-	-	-	-	-	-	-	-	-		M
8		-	-	-	-	-	-	-	-	-		M
9	5:20	1	2	0	0	1	2	12	0	0	2	
10	2:39	2	5	0	0	2	5	25	0	0	3	
11	3:17	2	4	0	0	2	4	24	0	0	3	
12	3:04	2	4	0	0	2	4	24	0	0	2 - 3	
13	3:05	1	2	0	0	1	2	12	0	0	2 - 3	
14	3:00	0	0	0	0	0	0	0	0	0	2	
15		-	-	-	-	-	-	-	-	-		C
16		-	-	-	-	-	-	-	-	-		M
17	2:10	1	2	1	2	2	4	24	1	2	2 - 3	
18	2:05	1	2	1	6	2	8	28	0	0	1 - 2	
19	2:49	1	6	1	2	2	8	28	0	0	1 - 2	
20	3:30	1	8	1	2	2	10	30	0	0	2 - 3	
21	2:10	2	11	0	0	2	11	31	2	10	2 - 3	
22	4:00	2	13	0	0	2	13	33	2	13	1 - 2	
23	2:16	2	15	0	0	2	15	35	1	13	1 - 2	
24	2:50	2	15	0	0	2	15	35	0	0	2 - 3	
25	2:20	2	12	0	0	2	12	32	0	0	3	
26	5:10	2	7	0	0	2	7	27	0	0	2 - 3	
27	2:30	2	4	0	0	2	4	24	0	0	3	
28	3:04	0	0	0	0	0	0	0	0	0	2	
29	3:00	0	0	1	3	1	3	13	0	0	2 - 3	
30	2:20	0	0	1	8	1	8	18	0	0	2 - 3	
31	3:44	0	0	1	12	1	12	22	0	0	2 - 3	
Sum		509		226		735			196			
Mean		18.9		8.4		27.2			7.3			

Days 27

POLAR FACULAE (Days 21)

8cm Refractor X67 Projection 15cm

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

MONTHLY REPORT OF SUNSPOT OBSERVATION.

FEBRUARY 2011 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	2h42m	0	0	1	12	1	12	22	1	12	2 - 3	
2	2:40	0	0	1	9	1	9	19	1	9	1 - 2	
3	2:55	0	0	2	6	2	6	26	2	6	3 - 4	
4	2:05	0	0	2	8	2	8	28	2	8	2 - 3	
5	2:50	0	0	1	5	1	5	15	1	5	3	
6	4:30	0	0	0	0	0	0	0	0	0	2	
7	2:39	1	3	0	0	1	3	13	0	0	2 - 3	
8	2:40	1	5	0	0	1	5	15	0	0	1 - 2	
9	3:27	2	12	1	6	3	18	48	0	0	2 - 3	
10	2:57	1	4	1	8	2	12	32	1	8	1 - 2	
11		-	-	-	-	-	-	-	-	-		S
12		-	-	-	-	-	-	-	-	-		C
13	2:24	2	11	2	30	4	41	81	4	38	1 - 2	
14		-	-	-	-	-	-	-	-	-		S
15	3:09	3	17	1	31	4	48	88	2	33	4	
16	3:23	2	18	1	30	3	48	78	1	28	2 - 3	
17	2:20	1	14	1	26	2	40	60	1	8	1 - 2	
18	4:21	2	30	1	27	3	57	87	2	30	4	
19	2:29	2	42	1	14	3	56	86	2	42	2 - 3	
20	2:30	2	29	1	7	3	36	66	2	25	2 - 3	
21	3:23	2	26	0	0	2	26	46	0	0	3	
22	2:33	2	19	0	0	2	19	39	0	0	3	
23	4:05	2	11	0	0	2	11	31	0	0	3 - 4	
24		-	-	-	-	-	-	-	-	-		C
25		-	-	-	-	-	-	-	-	-		C
26	2:15	2	9	1	2	3	11	41	0	0	2	
27	1:50	2	12	1	2	3	14	44	0	0	2 - 3	
28		-	-	-	-	-	-	-	-	-		R
Sum		552		413		965			472			
Mean		25.1		18.8		43.9			21.5			

Days 22

8cm Refractor X67 Projection 15cm

POLAR FACULAE(Days 14)

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

MONTHLY REPORT OF SUNSPOT OBSERVATION

MARCH 2011 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		-	-	-	-	-	-	-	-	-		R
2	3:55	1	27	1	7	2	34	54	1	7	2	
3	2:42	3	29	2	3	5	32	82	3	5	2 - 3	
4	2:14	3	41	0	0	3	41	71	1	9	2 - 3	
5	3:07	3	47	2	10	5	57	107	1	2	4	
6	2:28	3	46	2	17	5	63	113	1	2	1 - 2	
7		-	-	-	-	-	-	-	-	-		S
8	2:40	4	76	1	7	5	83	133	2	42	1 - 2	
9	2:50	3	69	1	7	4	76	116	1	41	3	
10	2:20	2	48	0	0	2	48	68	2	36	1 - 2	
11	2:19	2	48	0	0	2	48	68	2	32	2 - 3	
12	2:55	3	50	0	0	3	50	80	1	16	3	
13	2:57	3	49	0	0	3	49	79	0	0	3 - 4	
14	2:44	3	28	0	0	3	28	58	0	0	3	
15	3:10	3	17	0	0	3	17	47	1	2	2	
16	1:40	2	8	1	2	3	10	40	1	2	1 - 2	
17	2:40	1	2	1	4	2	6	26	0	0	1 - 2	
18	2:18	0	0	1	9	1	9	19	1	3	2 - 3	
19	2:22	1	10	0	0	1	10	20	1	10	2 - 3	
20	4:30	1	7	0	0	1	7	17	1	4	1 - 2	
21		-	-	-	-	-	-	-	-	-		R
22	5:40	1	11	1	7	2	18	38	0	0	2 - 3	
23	2:34	1	4	1	11	2	15	35	0	0	2 - 3	
24	2:30	0	0	1	10	1	10	20	0	0	1 - 2	
25	2:40	0	0	2	21	2	21	41	0	0	1 - 2	
26	3:09	2	6	3	37	5	43	93	1	18	2 - 3	
27	0:56	2	5	3	34	5	39	89	2	29	2	
28	2:35	3	18	4	35	7	53	123	3	36	4	
29	2:24	3	21	4	27	7	48	118	3	27	4	
30	2:41	2	20	3	26	5	46	96	3	15	4	
31	3:50	2	21	3	11	5	32	82	4	12	2	
Sum		1278		655		1933			710			
Mean		45.6		23.4		69.0			25.4			

Days 28

8cm Refractor X67 Projection 15cm

POLAR FACULAE(Days 18)

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

MONTHLY REPORT OF SUNSPOT OBSERVATION

APRIL 2011 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	3h08m	2	23	1	4	3	27	57	1	21	2 - 3	
2		-	-	-	-	-	-	-	-	-		M
3	6:25	3	23	0	0	3	23	53	2	21	3	
4	2:58	4	26	0	0	4	26	66	1	15	3	
5	5:08	4	20	0	0	4	20	60	1	10	4	
6	3:41	3	20	0	0	3	20	50	0	0	4	
7	4:30	4	20	0	0	4	20	60	0	0	3	
8		-	-	-	-	-	-	-	-	-		C
9	6:10	3	20	1	5	4	25	65	1	12	3	
10	4:30	2	21	1	2	3	23	53	2	17	3 - 4	
11	2:40	2	24	0	0	2	24	44	2	24	2 - 3	
12	2:38	4	36	0	0	4	36	76	2	15	4	
13	4:01	5	45	0	0	5	45	95	2	26	4	
14	3:28	6	62	0	0	6	62	122	2	37	4	
15	5:10	5	54	1	3	6	57	117	1	29	2	
16	2:30	4	47	0	0	4	47	87	2	9	2 - 3	
17	0:42	3	36	0	0	3	36	66	1	2	2	
18	3:01	3	38	0	0	3	38	68	2	25	3	
19	3:15	3	32	0	0	3	32	62	2	26	2	
20	3:12	3	25	1	4	4	29	69	2	24	3	
21	3:33	2	19	2	19	4	38	78	1	11	3	
22		-	-	-	-	-	-	-	-	-		C
23		-	-	-	-	-	-	-	-	-		R
24	2:32	1	11	2	23	3	34	64	1	20	2	
25	6:30	1	5	2	17	3	22	52	2	17	2	
26		-	-	-	-	-	-	-	-	-		C
27	3:10	2	20	3	13	5	33	83	3	14	3	
28	2:35	1	10	1	10	2	20	40	0	0	2	
29	7:30	2	12	2	6	4	18	58	1	1	2	
30		-	-	-	-	-	-	-	-	-		C
Sum		1369		276		1645			716			
Mean		57.0		11.5		68.5			29.8			

Days 24

POLAR FACULAE(Days 16)

8cm Refractor X67 Projection 15cm

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

0.00

MONTHLY REPORT OF SUNSPOT OBSERVATION

MAY 2011 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		-	-	-	-	-	-	-	-	-		R
2	3h20m	2	6	0	0	2	6	26	0	0	2 - 3	
3		-	-	-	-	-	-	-	-	-		C
4	3:51	3	18	1	4	4	22	62	2	7	4	
5	2:50	4	16	0	0	4	16	56	2	12	2 - 3	
6	4:00	3	16	0	0	3	16	46	2	14	4	
7	6:05	2	13	0	0	2	13	33	1	11	3	
8	4:29	3	17	0	0	3	17	47	0	0	2 - 3	
9	4:20	5	24	1	2	6	26	86	2	8	2 - 3	
10		-	-	-	-	-	-	-	-	-		R
11		-	-	-	-	-	-	-	-	-		R
12		-	-	-	-	-	-	-	-	-		C
13	3:21	2	8	0	0	2	8	28	1	6	3	
14		-	-	-	-	-	-	-	-	-		M
15		-	-	-	-	-	-	-	-	-		M
16	2:10	1	4	2	18	3	22	52	1	16	2	
17	2:52	1	4	2	19	3	23	53	1	17	4 - 5	
18	3:02	1	2	2	14	3	16	46	1	1	4	
19	2:56	0	0	3	9	3	9	39	0	0	4	
20	3:31	0	0	3	6	3	6	36	1	2	3 - 4	
21	2:56	0	0	3	6	3	6	36	1	2	4	
22		-	-	-	-	-	-	-	-	-		C-R
23		-	-	-	-	-	-	-	-	-		C
24	3:31	0	0	1	2	1	2	12	1	2	2	
25	3:45	0	0	1	2	1	2	12	0	0	3	
26		-	-	-	-	-	-	-	-	-		M
27		-	-	-	-	-	-	-	-	-		C
28		-	-	-	-	-	-	-	-	-		C
29		-	-	-	-	-	-	-	-	-		R
30	5:10	5	21	2	28	7	49	119	0	0	1 - 2	
31	2:50	4	12	2	32	6	44	104	1	2	2	
Sum		521		372		893			270			
Mean		28.9		20.7		49.6			15.0			

Days 18

8cm Refractor X67 Projection 15cm

POLAR FACULAE(Days 15)

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

MONTHLY REPORT OF SUNSPOT OBSERVATION

JUNE 2011 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		-	-	-	-	-	-	-	-	-		R
2		-	-	-	-	-	-	-	-	-		R
3	3h30m	4	12	2	26	6	38	98	5	36	2	
4	2:53	4	15	2	26	6	41	101	4	37	2 - 3	
5	2:10	2	6	2	14	4	20	60	3	9	1 - 2	
6	2:29	2	12	2	17	4	29	69	3	14	4	
7	3:16	2	10	2	7	4	17	57	1	4	2 - 3	
8	2:29	2	7	2	3	4	10	50	1	2	3	
9	3:52	1	4	1	2	2	6	26	1	4	3	
10	2:10	1	2	1	3	2	5	25	0	0	1 - 2	
11	6:30	0	0	1	5	1	5	15	0	0	1 - 2	
12		-	-	-	-	-	-	-	-	-		C
13		-	-	-	-	-	-	-	-	-		C
14	2:30	1	3	1	10	2	13	33	1	10	3 - 4	
15		-	-	-	-	-	-	-	-	-		C
16		-	-	-	-	-	-	-	-	-		C
17	5:30	1	17	1	16	2	33	53	0	0	3	
18		-	-	-	-	-	-	-	-	-		C-R
19		-	-	-	-	-	-	-	-	-		C
20		-	-	-	-	-	-	-	-	-		C
21	6:50	2	18	0	0	2	18	38	2	18	3	
22	2:10	2	13	0	0	2	13	33	2	13	4 - 5	
23	5:10	3	9	1	11	4	20	60	3	17	2 - 3	
24	2:50	2	17	1	7	3	24	54	2	18	2	
25	2:52	2	16	1	5	3	21	51	2	15	3 - 4	
26	2:54	2	11	0	0	2	11	31	1	9	2	
27		-	-	-	-	-	-	-	-	-		C
28	2:27	0	0	1	3	1	3	13	0	0	2 - 3	
29	2:24	0	0	0	0	0	0	0	0	0	2	
30	2:39	2	15	0	0	2	15	35	1	10	3	
Sum		537		365		902			536			
Mean		26.9		18.3		45.1			26.8			

Days 20

8cm Refractor X67 Projection 15cm

POLAR FACULAE(Days 12)

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

MONTHLY REPORT OF SUNSPOT OBSERVATION

JULY 2011 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	8h00m	3	31	0	0	3	31	61	1	7	3	
2	2:21	2	16	0	0	2	16	36	1	13	3	
3	2:10	2	12	0	0	2	12	32	2	12	1 - 2	
4		-	-	-	-	-	-	-	-	-	-	C
5	2:17	2	10	0	0	2	10	30	1	6	4 - 5	
6	2:30	2	13	0	0	2	13	33	0	0	2 - 3	
7		-	-	-	-	-	-	-	-	-	-	C-R
8	2:48	2	5	0	0	2	5	25	0	0	2	
9		-	-	-	-	-	-	-	-	-	-	
10	2:00	1	3	2	17	3	20	50	2	17	2 - 3	
11	2:52	2	6	3	23	5	29	79	3	20	4	
12	3:54	2	4	3	17	5	21	71	2	6	3	
13	2:59	1	2	2	12	3	14	44	0	0	3	
14	3:44	3	6	2	11	5	17	67	2	11	4	
15	3:07	3	6	2	8	5	14	64	2	3	3 - 4	
16	2:35	3	8	2	10	5	18	68	1	2	3	
17		-	-	-	-	-	-	-	-	-	-	M
18		-	-	-	-	-	-	-	-	-	-	C
19		-	-	-	-	-	-	-	-	-	-	C-R
20		-	-	-	-	-	-	-	-	-	-	R-C
21	5:32	2	10	1	15	3	25	55	1	6	2	
22	3:22	2	16	1	13	3	29	59	0	0	3	
23	2:41	2	8	1	9	3	17	47	1	6	3 - 4	
24	2:40	1	3	1	2	2	5	25	1	3	2 - 3	
25		-	-	-	-	-	-	-	-	-	-	M
26		-	-	-	-	-	-	-	-	-	-	M
27		-	-	-	-	-	-	-	-	-	-	C
28		-	-	-	-	-	-	-	-	-	-	R-C
29	5:00	3	52	0	0	3	52	82	1	31	2	
30		-	-	-	-	-	-	-	-	-	-	R-C
31	3:02	4	64	0	0	4	64	104	2	49	2 - 3	
Sum		695		337		1032			422			
Mean		36.6		17.7		54.3			22.2			

Days 19

8cm Refractor X67 Projection 15cm

POLAR FACULAE(Days 16)

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

MONTHLY REPORT OF SUNSPOT OBSERVATION

AUGUST 2011 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	3h49	4	73	0	0	4	73	113	3	55	4	
2		-	-	-	-	-	-	-	-	-	-	C-R
3	5:02	3	52	0	0	3	52	82	2	47	2 - 3	
4	2:24	4	59	0	0	4	59	99	1	22	2 - 3	
5	2:50	4	45	1	4	5	49	99	1	26	3	
6		-	-	-	-	-	-	-	-	-	-	C
7	2:52	3	41	1	9	4	50	90	2	15	3 - 4	
8	2:23	2	31	1	4	3	35	65	2	14	3	
9	3:50	2	29	0	0	2	29	49	1	16	3	
10	3:21	2	17	0	0	2	17	37	1	6	4 - 5	
11	2:22	1	3	1	4	2	7	27	0	0	3	
12	2:58	0	0	1	5	1	5	15	1	3	4	
13	2:30	1	3	1	1	2	4	24	1	1	2	
14	4:28	0	0	0	0	0	0	0	0	0	2	
15	2:13	0	0	0	0	0	0	0	0	0	2	
16	5:09	1	8	0	0	1	8	18	0	0	4	
17	4:00	1	11	2	6	3	17	47	1	4	4	
18	4:48	1	20	2	9	3	29	59	1	6	2	
19		-	-	-	-	-	-	-	-	-	-	R-C
20		-	-	-	-	-	-	-	-	-	-	R
21		-	-	-	-	-	-	-	-	-	-	R
22		-	-	-	-	-	-	-	-	-	-	R
23		-	-	-	-	-	-	-	-	-	-	C
24	2:40	4	27	1	3	5	30	80	3	14	2 - 3	
25		-	-	-	-	-	-	-	-	-	-	C-R
26	4:00	5	20	0	0	5	20	70	1	3	2	
27	2:32	5	18	0	0	5	18	68	2	10	2 - 3	
28	3:43	4	12	0	0	4	12	52	2	7	4	
29	3:07	3	8	1	4	4	12	52	2	3	4	
30	2:32	4	12	1	4	5	16	66	3	9	3	
31		-	-	-	-	-	-	-	-	-	-	C
Sum		1029		183		1212			561			
Mean		46.8		8.3		55.1			25.5			

Days 22

8cm Refractor X67 Projection 15cm

POLAR FACULAE(Days 22)

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

MONTHLY REPORT OF SUNSPOT OBSERVATION

SEPTEMBER 2011 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	4h50m	5	26	2	17	7	43	113	3	15	2	
2		-	-	-	-	-	-	-	-	-	-	R
3		-	-	-	-	-	-	-	-	-	-	R
4		-	-	-	-	-	-	-	-	-	-	R
5		-	-	-	-	-	-	-	-	-	-	R
6	2:32	4	36	2	9	6	45	105	1	31	4	
7	2:56	2	19	2	4	4	23	63	1	16	3	
8	3:02	2	17	1	2	3	19	49	1	3	2 - 3	
9		-	-	-	-	-	-	-	-	-	-	M
10	1:52	3	20	2	9	5	29	79	1	4	3	
11	2:42	2	19	2	13	4	32	72	2	23	3 - 4	
12	2:44	6	18	3	19	9	37	127	4	24	3	
13	2:27	5	23	3	21	8	44	124	3	26	2 - 3	
14	2:34	5	25	4	22	9	47	137	3	16	3	
15	2:47	7	46	3	21	10	67	167	3	16	5	
16	2:50	7	53	3	11	10	64	164	3	11	2	
17		-	-	-	-	-	-	-	-	-	-	C
18	2:27	5	47	1	16	6	63	123	4	50	3	
19	3:24	7	45	1	13	8	58	138	4	8	3	
20		-	-	-	-	-	-	-	-	-	-	R
21		-	-	-	-	-	-	-	-	-	-	R
22		-	-	-	-	-	-	-	-	-	-	C
23	3:28	5	47	0	0	5	47	97	3	11	3	
24	2:45	4	46	1	1	5	47	97	2	15	3	
25	2:50	7	49	1	8	8	57	137	4	28	3	
26		-	-	-	-	-	-	-	-	-	-	C
27		-	-	-	-	-	-	-	-	-	-	M
28	3:54	6	43	0	0	6	43	103	2	35	3	
29	4:01	7	47	0	0	7	47	117	2	35	2 - 3	
30	5:10	6	41	0	0	6	41	101	2	32	2 - 3	
Sum		1617		496		2113			879			
Mean		85.1		26.1		111.2			46.3			

Days 19

POLAR FACULAE (Days 17)

N S

8cm Refractor X67 Projection 15cm

0.00 0.00

0.00

MONTHLY REPORT OF SUNSPOT OBSERVATION

OCTOBER 2011 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	5	37	0	0	5	37	87	3	20	2 - 3	
2	2:29	6	48	1	2	7	50	120	3	20	3	
3	4:06	6	30	1	3	7	33	103	4	11	2 - 3	
4	5:30	7	28	2	13	9	41	131	3	7	4	
5		-	-	-	-	-	-	-	-	-		C-R
6	4:32	4	10	3	12	7	22	92	2	5	4	
7	2:55	4	9	3	12	7	21	91	2	6	3	
8	2:31	2	9	2	8	4	17	57	2	9	2 - 3	
9	6:20	3	6	3	12	6	18	78	3	9	2 - 3	
10	2:38	5	15	2	13	7	28	98	4	20	3	
11	2:50	4	15	2	16	6	31	91	3	23	2	
12	3:10	5	16	3	25	8	41	121	3	19	2	
13		-	-	-	-	-	-	-	-	-		C
14		-	-	-	-	-	-	-	-	-		C
15		-	-	-	-	-	-	-	-	-		R-C
16	2:43	3	43	6	22	9	65	155	3	51	4	
17		-	-	-	-	-	-	-	-	-		C
18	2:45	5	47	4	23	9	70	160	3	41	3	
19	3:28	4	34	3	17	7	51	121	1	6		
20	5:00	5	52	3	8	8	60	140	1	2		
21		-	-	-	-	-	-	-	-	-		C
22		-	-	-	-	-	-	-	-	-		R
23	5:01	5	56	1	11	6	67	127	3	37	2 - 3	
24	4:56	4	50	1	8	5	58	108	2	34	2	
25		-	-	-	-	-	-	-	-	-		C
26	2:31	5	35	1	4	6	39	99	3	27	2	
27	3:30	5	30	1	2	6	32	92	3	25	4 - 5	
28	3:01	5	40	0	0	5	40	90	3	29	3 - 4	
29	3:10	5	45	0	0	5	45	95	2	34	3	
30		-	-	-	-	-	-	-	-	-		C
31	4:31	5	41	0	0	5	41	91	3	20	2 - 3	
Sum		1716		631		2347			1045			
Mean		78.0		28.7		106.7			47.5			

Days 22

8cm Refractor X67 Projection 15cm

POLAR FACULAE(Days 18)

N	S
0.00	0.00
0.00	

MONTHLY REPORT OF SUNSPOT OBSERVATION

NOVEMBER 2011 Observer - K. Fujimori Suwa City, Nagano

Date	Time U. T.	N		S		Total		10g+f R	Cent.		Seeing 5 - 1	Remarks
		g	f	g	f	g	f		g	f		
1		-	-	-	-	-	-	-	-	-		M
2		-	-	-	-	-	-	-	-	-		M
3	3h00m	4	33	1	14	5	47	97	2	5	1 - 2	
4	3:47	3	45	1	10	4	55	95	1	5	3	
5		-	-	-	-	-	-	-	-	-		C-R
6		-	-	-	-	-	-	-	-	-		C-R
7	4:41	6	53	3	16	9	69	159	4	55	3	
8	4:20	4	70	2	16	6	86	146	2	63	2 - 3	
9	3:20	4	58	3	16	7	74	144	5	56	2	
10		-	-	-	-	-	-	-	-	-		M
11		-	-	-	-	-	-	-	-	-		R
12	2:28	4	28	5	25	9	53	143	4	12	2 - 3	
13	3:11	4	18	5	18	9	36	126	3	6	2	
14	2:57	6	32	5	11	11	43	153	2	13	2 - 3	
15	3:15	7	32	2	8	9	40	130	2	7	2	
16	3:45	7	26	3	13	10	39	139	3	13	3	
17	4:10	5	17	2	7	7	24	94	2	7	1 - 2	
18		-	-	-	-	-	-	-	-	-		C
19		-	-	-	-	-	-	-	-	-		R
20	5:00	3	6	3	22	6	28	88	0	0	1 - 2	
21	2:48	4	20	3	20	7	40	110	4	12	2	
22	3:23	7	34	3	18	10	52	152	6	24	3 - 4	
23		-	-	-	-	-	-	-	-	-		M
24	3:42	5	31	2	6	7	37	107	4	17	2	
25	6:14	6	35	2	5	8	40	120	5	24	1 - 2	
26	2:50	6	34	2	4	8	38	118	3	18	2 - 3	
27		-	-	-	-	-	-	-	-	-		M
28		-	-	-	-	-	-	-	-	-		C
29		-	-	-	-	-	-	-	-	-		M
30	2:39	6	37	2	6	8	43	123	2	21	2 - 3	
Sum		1519		725				2244	898			
Mean		84.4		40.3				124.7	49.9			

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

DECEMBER 2011 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		-	-	-	-	-	-	-	-	-		R
3		-	-	-	-	-	-	-	-	-		R
4	2h11m	6	41	2	32	8	73	153	5	62	2 - 3	
5	2:38	5	31	3	39	8	70	150	5	54	2 - 3	
6		-	-	-	-	-	-	-	-	-		C
7	2:45	4	14	3	21	7	35	105	6	24	2	
8		-	-	-	-	-	-	-	-	-		C
9	3:09	5	22	3	9	8	31	111	2	12	2	
10	4:15	4	18	2	7	6	25	85	2	11	2	
11	5:37	5	19	3	9	8	28	108	2	9	2 - 3	
12	3:59	4	7	1	4	5	11	61	4	9	2	
13	2:50	3	8	2	8	5	16	66	2	9	2 - 3	
14	5:02	4	13	1	7	5	20	70	2	9	3	
15	4:22	2	7	1	7	3	14	44	2	9	2	
16		-	-	-	-	-	-	-	-	-		C
17	3:05	2	9	3	11	5	20	70	3	15	2 - 3	
18	2:15	3	13	3	11	6	24	84	2	11	2 - 3	
19	2:22	2	7	4	33	6	40	100	3	19	2 - 3	
20	3:42	4	12	4	24	8	36	116	2	20	2 - 3	
21		-	-	-	-	-	-	-	-	-		M
22		-	-	-	-	-	-	-	-	-		C
23	4:06	3	24	2	26	5	50	100	3	15	2 - 3	
24	2:32	3	16	2	12	5	28	78	2	11	2 - 3	
25	2:55	2	14	4	16	6	30	90	3	19	2	
26	5:55	1	11	4	23	5	34	84	1	11	1 - 2	
27	5:28	2	7	4	26	6	33	93	3	9	2	
28	5:46	1	8	4	33	5	41	91	1	17	1 - 2	
29	4:48	2	8	5	28	7	36	106	1	15	2 - 3	
30	3:07	2	9	4	27	6	36	96	2	12	2 - 3	
31	3:35	2	8	4	25	6	33	93	2	11	3	
Sum		1036		1118		2154			993			
Mean		45.0		48.6		93.7			43.2			

Days 23

8cm Refractor X67 Projection 15cm