

MONTHLY REPORT OF SUNSPOT OBSERVATION

JANUARY 1997 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	2h55m	0	0	0	0	0	0	0	0	0	1 - 2	
2	4:10	0	0	0	0	0	0	0	0	0	3	
3	3:30	0	0	0	0	0	0	0	0	0	1 - 2	
4	2:11	0	0	0	0	0	0	0	0	0	3	
5	1:03	0	0	1	5	1	5	15	1	5	2	
6		-	-	-	-	-	-	-	-	-		C
7	2:10	0	0	1	3	1	3	13	0	0	4	
8	3:11	0	0	0	0	0	0	0	0	0	3 - 4	
9	3:05	0	0	0	0	0	0	0	0	0	3	
10	4:04	1	5	0	0	1	5	15	0	0	4	
11	1:52	1	2	0	0	1	2	12	0	0	3 - 4	
12	4:51	0	0	0	0	0	0	0	0	0	4	
13	1:34	0	0	0	0	0	0	0	0	0	3	
14	1:27	0	0	0	0	0	0	0	0	0	2	
15	2:22	0	0	1	5	1	5	15	0	0	3 - 4	
16	2:53	0	0	2	7	2	7	27	1	6	2	
17	3:24	0	0	1	4	1	4	14	1	4	4	
18	1:17	1	3	1	1	2	4	24	1	1	3	
19	2:56	0	0	0	0	0	0	0	0	0	2	
20	2:55	0	0	0	0	0	0	0	0	0	3	
21		-	-	-	-	-	-	-	-	-		C
22	6:26	0	0	0	0	0	0	0	0	0	2	
23	5:02	0	0	0	0	0	0	0	0	0	2 - 3	
24		-	-	-	-	-	-	-	-	-		S
25	2:38	0	0	1	1	1	1	11	0	0	2 - 3	
26	3:56	0	0	1	1	1	1	11	0	0	3	
27	2:27	0	0	1	2	1	2	12	0	0	3	
28	2:03	0	0	0	0	0	0	0	0	0	4	
29		-	-	-	-	-	-	-	-	-		M
30		-	-	-	-	-	-	-	-	-		M
31	5:22	1	6	0	0	1	6	16	1	6	4	
Sum			56		129			185		72		
Mean			2.2		5.0			7.1		2.8		

Days 26

8cm Refractor X67 Projection 15cm

POLAR FACULAE(Days 23)

<u>N</u>	<u>S</u>
0.48	2.43
<u>2.91</u>	

MONTHLY REPORT OF SUNSPOT OBSERVATION

FEBRUARY 1997 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	1h55m	1	5	0	0	1	5	15	1	5	4		
2	3:00	1	4	1	5	2	9	29	1	4	2 - 3		
3	4:11	1	20	1	14	2	34	54	2	34	3		
4	1:31	1	17	1	15	2	32	52	1	15	2		
5	2:58	1	12	1	7	2	19	39	1	7	2 - 3		
6		-	-	-	-	-	-	-	-	-		M	
7	2:47	2	4	1	2	3	6	36	0	0	2 - 3		
8	1:31	0	0	1	2	1	2	12	0	0	2		
9	1:41	0	0	1	2	1	2	12	0	0	3		
10	2:20	0	0	0	0	0	0	0	0	0	2		
11	6:40	0	0	0	0	0	0	0	0	0	2		
12	2:02	0	0	0	0	0	0	0	0	0	3		
13	1:38	0	0	0	0	0	0	0	0	0	3		
14	2:07	0	0	0	0	0	0	0	0	0	3 - 4		
15	2:10	0	0	0	0	0	0	0	0	0	2		
16	4:30	0	0	1	2	1	2	12	0	0	3		
17	1:19	0	0	0	0	0	0	0	0	0	2 - 3		
18	1:32	1	5	0	0	1	5	15	0	0	2 - 3		
19	3:32	1	3	0	0	1	3	13	0	0	3		
20	2:42	1	1	0	0	1	1	11	0	0	2 - 3		
21	6:00	0	0	0	0	0	0	0	0	0	1 - 2		
22	5:31	0	0	0	0	0	0	0	0	0	2		
23	1:31	0	0	0	0	0	0	0	0	0	3		
24	1:31	1	2	0	0	1	2	12	0	0	2 - 3		
25	2:07	1	2	0	0	1	2	12	0	0	4		
26		-	-	-	-	-	-	-	-	-		M	
27	2:49	0	0	0	0	0	0	0	0	0	3		
28	2:34	0	0	0	0	0	0	0	0	0	3		
Sum		195		129		324			125				
Mean		7.5		5.0		12.5			4.8				

Days 26

8cm Refractor X67 Projection 15cm

POLAR FACULAE(Days 22)

<u>N</u>	<u>S</u>
0.32	2.00
<u>2.32</u>	

MONTHLY REPORT OF SUNSPOT OBSERVATION

MARCH 1997 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	6h28m	0	0	0	0	0	0	0	0	0	2	
2		-	-	-	-	-	-	-	-	-		M
3	5:40	0	0	0	0	0	0	0	0	0	4	
4	4:30	0	0	0	0	0	0	0	0	0	3	
5	5:03	0	0	0	0	0	0	0	0	0	5	
6	4:29	0	0	0	0	0	0	0	0	0	3	
7	4:10	1	2	0	0	1	2	12	0	0	3	
8	3:50	1	4	1	2	2	6	26	0	0	2 - 3	
9	- 20	1	4	1	1	2	5	25	0	0	2	
10	2:50	1	5	0	0	1	5	15	0	0	2 - 3	
11	3:57	1	8	0	0	1	8	18	1	8	2	
12	4:06	1	9	0	0	1	9	19	1	9	3	
13	3:40	1	5	0	0	1	5	15	1	5	2	
14	2:55	1	6	0	0	1	6	16	1	6	2 - 3	
15		-	-	-	-	-	-	-	-	-		C
16		-	-	-	-	-	-	-	-	-		R
17	1:53	0	0	1	6	1	6	16	0	0	3	
18	2:30	0	0	1	3	1	3	13	0	0	3	
19		-	-	-	-	-	-	-	-	-		C
20	1:40	0	0	0	0	0	0	0	0	0	2	
21	4:20	0	0	0	0	0	0	0	0	0	3	
22	2:26	0	0	0	0	0	0	0	0	0	4	
23	1:30	1	1	0	0	1	1	11	1	1	2 - 3	
24	2:21	0	0	0	0	0	0	0	0	0	2	
25	2:01	0	0	0	0	0	0	0	0	0	3	
26	3:50	0	0	0	0	0	0	0	0	0	2	
27		-	-	-	-	-	-	-	-	-		C
28	3:57	0	0	1	7	1	7	17	0	0	3	
29		-	-	-	-	-	-	-	-	-		C-R
30	4:14	0	0	1	16	1	16	26	0	0	2	
31	3:28	0	0	1	13	1	13	23	1	5	4	
Sum		134		118		252			94			
Mean		5.4		4.7		10.1			3.8			

Days 25

8cm Refractor X67 Projection 15cm

POLAR FACULAE (Days 22)

<u>N</u>	<u>S</u>
0.09	1.41
<u>1.50</u>	

MONTHLY REPORT OF SUNSPOT OBSERVATION

APRIL 1997 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	3h28m	0	0	1	13	1	13	23	1	13	3	
2		-	-	-	-	-	-	-	-	-		C
3		-	-	-	-	-	-	-	-	-		R
4		-	-	-	-	-	-	-	-	-		C
5		-	-	-	-	-	-	-	-	-		R
6		-	-	-	-	-	-	-	-	-		R
7		-	-	-	-	-	-	-	-	-		R
8		-	-	-	-	-	-	-	-	-		M
9	3:09	1	1	1	3	2	4	24	2	4	3	
10	1:29	2	16	0	0	2	16	36	1	3	4	
11	0:15	1	13	0	0	1	13	23	0	0	2 - 3	
12	2:42	1	9	0	0	1	9	19	0	0	3	
13	1:37	1	3	1	9	2	12	32	0	0	3	
14	2:37	0	0	1	9	1	9	19	0	0	2 - 3	
15		-	-	-	-	-	-	-	-	-		C
16	3:15	0	0	2	26	2	26	46	1	17	3 - 4	
17	2:52	0	0	1	13	1	13	23	1	13	3 - 4	
18		-	-	-	-	-	-	-	-	-		C
19	2:51	1	2	1	1	2	3	23	1	2	4	
20	- 20	0	0	0	0	0	0	0	0	0	3	
21		-	-	-	-	-	-	-	-	-		C
22		-	-	-	-	-	-	-	-	-		C
23	6:48	1	2	0	0	1	2	12	0	0	2 - 3	
24	1:56	1	3	0	0	1	3	13	0	0	3 - 4	
25	3:07	1	2	1	1	2	3	23	0	0	3 - 4	
26	3:02	1	2	1	7	2	9	29	2	9	4	
27	2:51	1	1	1	6	2	7	27	1	1	4	
28		-	-	-	-	-	-	-	-	-		C-R
29	- 08	0	0	1	2	1	2	12	0	0	4	
30		-	-	-	-	-	-	-	-	-		C-R
Sum		174		210		384			162			
Mean		10.2		12.4		22.6			9.5			

Days 17

8cm Refractor X67 Projection 15cm

POLAR FACULAE(Days 17)

<u>N</u>	<u>S</u>
0.53	1.82
<u>2.35</u>	

MONTHLY REPORT OF SUNSPOT OBSERVATION

MAY 1997 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	3h59m	0	0	0	0	0	0	0	0	0	3	
2	3:55	0	0	0	0	0	0	0	0	0	2	
3		-	-	-	-	-	-	-	-	-		R
4	4:25	0	0	0	0	0	0	0	0	0	2 - 3	
5	2:17	1	2	0	0	1	2	12	0	0	3	
6	3:28	1	2	0	0	1	2	12	0	0	3	
7	3:15	1	2	0	0	1	2	12	0	0	4	
8		-	-	-	-	-	-	-	-	-		R
9	3:51	1	3	0	0	1	3	13	0	0	3	
10	3:22	2	6	0	0	2	6	26	1	3	5	
11		-	-	-	-	-	-	-	-	-		C
12	3:28	1	4	0	0	1	4	14	1	4	5	
13		-	-	-	-	-	-	-	-	-		R
14		-	-	-	-	-	-	-	-	-		R
15	7:05	1	5	0	0	1	5	15	0	0	3	
16	3:52	2	5	0	0	2	5	25	0	0	4	
17	7:06	1	2	0	0	1	2	12	0	0	3 - 4	
18	4:21	2	10	0	0	2	10	30	1	1	2 - 3	
19	7:18	2	17	0	0	2	17	37	1	12	2	
20	3:39	2	29	1	2	3	31	61	1	17	3	
21	4:35	2	36	1	2	3	38	68	1	26	3	
22	3:46	3	33	1	2	4	35	75	2	27	4 - 5	
23	5:31	2	19	2	3	4	22	62	2	13	3	
24		-	-	-	-	-	-	-	-	-		C
25	5:18	1	2	2	6	3	8	38	0	0	3 - 4	
26	5:50	2	4	1	6	3	10	40	0	0	2	
27	3:50	2	6	1	5	3	11	41	0	0	3 - 4	
28	3:16	1	5	1	1	2	6	26	1	1	3	
29		-	-	-	-	-	-	-	-	-		C
30	2:50	1	7	2	2	3	9	39	1	1	4 - 5	
31	1:33	1	4	1	1	2	5	25	0	0	3 - 4	
Sum		523		160		683			225			
Mean		21.8		6.7		28.5			9.4			

Days 24

8cm Refractor X67 Projection 15cm

POLAR FACULAE(Days 24)

<u>N</u>	<u>S</u>
0.42	0.79
<u>1.21</u>	

MONTHLY REPORT OF SUNSPOT OBSERVATION

JUNE 1997 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	1h45m	1	3	2	10	3	13	43	0	0	3	
2		-	-	-	-	-	-	-	-	-		C
3		-	-	-	-	-	-	-	-	-		C
4		-	-	-	-	-	-	-	-	-		C
5	3:33	0	0	1	8	1	8	18	1	4	3	
6	7:00	0	0	1	8	1	8	18	0	0	2 - 3	
7	3:54	0	0	1	8	1	8	18	0	0	3	
8	-1:40	1	2	1	7	2	9	29	0	0	2 - 3	
9		-	-	-	-	-	-	-	-	-		C
10	2:40	1	2	0	0	1	2	12	0	0	3	
11		-	-	-	-	-	-	-	-	-		R
12	3:50	1	2	0	0	1	2	12	1	2	2 - 3	
13	3:51	2	7	0	0	2	7	27	1	2	4	
14	2:21	2	11	0	0	2	11	31	2	10	4	
15		-	-	-	-	-	-	-	-	-		C
16		-	-	-	-	-	-	-	-	-		C
17	3:30	1	11	0	0	1	11	21	1	11	4	
18		-	-	-	-	-	-	-	-	-		C
19	4:25	0	0	1	6	1	6	16	0	0	2 - 3	
20		-	-	-	-	-	-	-	-	-		R
21	1:30	0	0	0	0	0	0	0	0	0	3	
22		-	-	-	-	-	-	-	-	-		C
23		-	-	-	-	-	-	-	-	-		M
24	1:37	1	4	0	0	1	4	14	1	4	3	
25	1:00	2	10	0	0	2	10	30	2	10	2	
26	2:46	1	15	0	0	1	15	25	1	15	3	
27	3:14	1	11	0	0	1	11	21	0	0	3 - 4	
28		-	-	-	-	-	-	-	-	-		R
29	0:49	1	1	0	0	1	1	11	0	0	3	
30	2:22	1	1	0	0	1	1	11	0	0	4	
Sum		240		117		357			158			
Mean		13.3		6.5		19.8			8.8			

Days 18

POLAR FACULAE (Days 18)

8cm Refractor X67 Projection 15cm

<u>N</u>	<u>S</u>
1.39	0.44
<u>1.83</u>	

MONTHLY REPORT OF SUNSPOT OBSERVATION

JULY 1997 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	4h33m	0	0	0	0	0	0	0	0	0	3	
2		-	-	-	-	-	-	-	-	-		R
3	4:28	0	0	0	0	0	0	0	0	0	2	
4	6:14	0	0	1	4	1	4	14	0	0	3	
5	5:39	0	0	1	1	1	1	11	0	0	3	
6	5:23	0	0	0	0	0	0	0	0	0	3	
7		-	-	-	-	-	-	-	-	-		C
8		-	-	-	-	-	-	-	-	-		C
9		-	-	-	-	-	-	-	-	-		R
10		-	-	-	-	-	-	-	-	-		R
11		-	-	-	-	-	-	-	-	-		R
12		-	-	-	-	-	-	-	-	-		R
13	6:16	0	0	0	0	0	0	0	0	0	3	
14	3:10	0	0	1	2	1	2	12	1	2	2	
15	7:01	0	0	0	0	0	0	0	0	0	3	
16	5:00	0	0	0	0	0	0	0	0	0	2	
17		-	-	-	-	-	-	-	-	-		R
18	4:12	1	1	0	0	1	1	11	0	0	3	
19	3:02	0	0	0	0	0	0	0	0	0	4 - 5	
20	4:26	0	0	0	0	0	0	0	0	0	3	
21	1:04	0	0	1	1	1	1	11	0	0	4	
22	4:28	0	0	0	0	0	0	0	0	0	3	
23	2:12	2	11	0	0	2	11	31	1	8	3	
24	4:49	3	14	0	0	3	14	44	1	5	3	
25	2:32	3	29	0	0	3	29	59	1	3	3	
26		-	-	-	-	-	-	-	-	-		C
27	6:36	2	7	0	0	2	7	27	0	0	1 - 2	
28		-	-	-	-	-	-	-	-	-		C
29		-	-	-	-	-	-	-	-	-		C
30	4:47	0	0	0	0	0	0	0	0	0	4	
31	2:49	0	0	0	0	0	0	0	0	0	4	
Sum		172		48		220			58			
Mean		8.6		2.4		11.0			2.9			

Days 20

8cm Refractor X67 Projection 15cm

POLAR FACULAE(Days 20)

<u>N</u>	<u>S</u>
1.15	0.10
<u>1.25</u>	

MONTHLY REPORT OF SUNSPOT OBSERVATION

AUGUST 1997 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	3h02m	0	0	0	0	0	0	0	0	0	2 - 3	
2	1:46	0	0	0	0	0	0	0	0	0	3	
3	2:12	2	2	1	5	3	7	37	0	0	4	
4	3:03	0	0	2	4	2	4	24	0	0	3	
5		-	-	-	-	-	-	-	-	-		C
6	5:30	1	16	2	5	3	21	51	1	2	2 - 3	
7	3:18	1	14	2	9	3	23	53	1	3	3	
8		-	-	-	-	-	-	-	-	-		M
9	0:33	2	8	1	14	3	22	52	1	14	2	
10	6:03	1	1	1	8	2	9	29	1	8	3	
11	4:17	2	7	1	4	3	11	41	0	0	4	
12	3:48	3	13	1	8	4	21	61	1	7	3	
13	2:36	3	14	1	8	4	22	62	1	8	3	
14	4:48	3	9	1	5	4	14	54	1	4	3	
15	4:40	4	11	1	1	5	12	62	1	2	2	
16	5:12	3	6	0	0	3	6	36	2	5	3	
17	4:25	2	6	0	0	2	6	26	2	6	3 - 4	
18	2:08	2	6	0	0	2	6	26	2	6	4	
19	3:27	2	4	0	0	2	4	24	2	4	3	
20	3:40	1	2	0	0	1	2	12	0	0	3	
21	2:50	1	2	0	0	1	2	12	0	0	2	
22	3:12	1	2	0	0	1	2	12	0	0	2	
23	2:50	1	2	0	0	1	2	12	0	0	4	
24	3:02	0	0	0	0	0	0	0	0	0	5	
25	1:58	1	1	1	1	2	2	22	0	0	3	
26	4:23	1	11	1	1	2	12	32	0	0	4	
27	3:21	2	17	0	0	2	17	37	0	0	4 - 5	
28	3:24	2	27	0	0	2	27	47	1	1	4	
29	1:55	1	33	0	0	1	33	43	1	15	3	
30	2:32	3	40	0	0	3	40	70	3	40	4	
31	2:20	3	41	0	0	3	41	71	2	35	2	
Sum		775		233		1008			390			
Mean		26.7		8.0		34.8			13.4			

Days 29

8cm Refractor X67 Projection 15cm

POLAR FACULAE (Days 28)

<u>N</u>	<u>S</u>
<u>1.21</u>	<u>0.11</u>
<u>1.32</u>	

MONTHLY REPORT OF SUNSPOT OBSERVATION

SEPTEMBER 1997 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	4h07m	5	39	0	0	5	39	89	3	36	5	
2	2:16	5	40	0	0	5	40	90	0	0	3 - 4	
3	3:04	3	23	0	0	3	23	53	0	0	3	
4	2:59	3	13	1	10	4	23	63	0	0	4 - 5	
5	3:22	2	7	1	12	3	19	49	0	0	3	
6		-	-	-	-	-	-	-	-	-		C
7	2:45	2	14	2	25	4	39	79	1	10	2 - 3	
8		-	-	-	-	-	-	-	-	-		R
9	5:58	2	32	2	48	4	80	120	2	32	2	
10	2:35	2	33	2	57	4	90	130	1	29	3	
11	4:10	1	28	2	54	3	82	112	1	28	4	
12	3:12	1	31	2	55	3	86	116	2	33	4	
13	2:48	2	26	2	33	4	59	99	1	19	2	
14	2:10	2	20	2	24	4	44	84	0	0	1 - 2	
15		-	-	-	-	-	-	-	-	-		R
16		-	-	-	-	-	-	-	-	-		R
17		-	-	-	-	-	-	-	-	-		C
18	2:39	1	18	1	5	2	23	43	1	18	3 - 4	
19	1:59	1	8	0	0	1	8	18	1	8	3	
20	3:39	1	5	0	0	1	5	15	0	0	3	
21	1:19	1	6	0	0	1	6	16	0	0	2	
22		-	-	-	-	-	-	-	-	-		C
23		-	-	-	-	-	-	-	-	-		R
24	3:27	0	0	2	30	2	30	50	0	0	3	
25	2:10	0	0	3	29	3	29	59	0	0	2	
26		-	-	-	-	-	-	-	-	-		R
27		-	-	-	-	-	-	-	-	-		C
28	- 10	0	0	1	9	1	9	19	0	0	3	
29	2:12	1	2	1	9	2	11	31	1	2	4	
30	2:15	0	0	2	8	2	8	28	0	0	3	
Sum			695		668			1363		355		
Mean			33.1		31.8			64.9		16.9		

Days 21

POLAR FACULAE (Days 18)

8cm Refractor X67 Projection 15cm

<u>N</u>	<u>S</u>
<u>1.67</u>	<u>0.22</u>
<u>1.89</u>	

MONTHLY REPORT OF SUNSPOT OBSERVATION

OCTOBER 1997 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	4h09m	0	0	2	6	2	6	26	0	0	3	
2		-	-	-	-	-	-	-	-	-		C
3	2:09	1	7	1	2	2	9	29	0	0	3	
4		-	-	-	-	-	-	-	-	-		R
5	6:28	1	7	1	2	2	9	29	1	1	4	
6	3:37	1	4	1	2	2	6	26	1	4	2	
7		-	-	-	-	-	-	-	-	-		C
8	4:09	1	6	0	0	1	6	16	0	0	2	
9	2:04	2	7	0	0	2	7	27	0	0	2	
10	2:34	3	14	0	0	3	14	44	2	5	3	
11		-	-	-	-	-	-	-	-	-		M
12	4:53	2	15	0	0	2	15	35	1	10	2 - 3	
13	3:08	3	25	0	0	3	25	55	1	19	3 - 4	
14	2:29	2	15	0	0	2	15	35	1	13	2	
15	4:30	2	14	0	0	2	14	34	0	0	2	
16	2:57	3	14	0	0	3	14	44	0	0	2	
17	4:00	3	25	0	0	3	25	55	1	2	2 - 3	
18	3:16	3	20	0	0	3	20	50	1	8	2	
19	2:19	3	11	0	0	3	11	41	1	5	4	
20	2:55	2	11	0	0	2	11	31	2	11	3	
21	3:52	2	10	0	0	2	10	30	2	10	3	
22	2:29	2	4	0	0	2	4	24	1	3	3 - 4	
23	4:09	0	0	0	0	0	0	0	0	0	3	
24	2:26	0	0	0	0	0	0	0	0	0	2 - 3	
25	2:02	0	0	0	0	0	0	0	0	0	2 - 3	
26	0:20	1	2	0	0	1	2	12	0	0	2	
27	4:12	1	4	1	4	2	8	28	0	0	1 - 2	
28	4:15	1	10	3	16	4	26	66	1	1	3 - 4	
29	3:15	1	8	1	18	2	26	46	1	8	3	
30	3:31	1	7	1	24	2	31	51	1	7	2 - 3	
31	3:06	1	9	1	22	2	31	51	2	10	3	
Sum		669		216		885			317			
Mean		24.8		8.0		32.8			11.7			

Days 27

8cm Refractor X67 Projection 15cm

POLAR FACULAE(Days 27)

<u>N</u>	<u>S</u>
1.07	0.07
<u>1.15</u>	

MONTHLY REPORT OF SUNSPOT OBSERVATION

NOVEMBER 1997 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	4h07m	1	2	1	35	2	37	57	2	37	1 - 2	
2	3:06	2	6	1	38	3	44	74	1	38	2	
3	3:34	2	5	1	62	3	67	97	2	66	3 - 4	naked eye=1c
4	3:58	1	8	1	50	2	58	78	1	8	3	naked eye=1b
5	3:16	1	20	1	43	2	63	83	1	20	2 - 3	naked eye=1c
6	2:49	1	21	1	32	2	53	73	1	21	2	
7	2:45	1	16	1	26	2	42	62	1	16	3	
8	2:10	2	16	2	18	4	34	74	0	0	4	
9	4:26	2	7	1	3	3	10	40	0	0	3	
10	3:20	2	15	0	0	2	15	35	0	0	2	
11	3:47	2	20	0	0	2	20	40	0	0	2 - 3	
12	2:46	2	11	0	0	2	11	31	0	0	2 - 3	
13		-	-	-	-	-	-	-	-	-		C
14		-	-	-	-	-	-	-	-	-		C-R
15	3:41	1	16	1	7	2	23	43	0	0	2 - 3	
16	2:51	1	21	1	2	2	23	43	0	0	2 - 3	
17		-	-	-	-	-	-	-	-	-		R
18	2:54	1	37	1	6	2	43	63	1	20	1 - 2	
19	3:06	1	33	1	11	2	44	64	1	33	3	
20		-	-	-	-	-	-	-	-	-		C
21	3:16	1	33	1	5	2	38	58	2	38	2 - 3	
22		-	-	-	-	-	-	-	-	-		R
23	2:28	2	30	2	8	4	38	78	1	7	2 - 3	
24	1:38	2	28	2	8	4	36	76	0	0	3 - 4	
25	2:38	2	15	2	3	4	18	58	0	0	2	
26		-	-	-	-	-	-	-	-	-		R
27	3:11	2	25	0	0	2	25	45	1	2	2	
28		-	-	-	-	-	-	-	-	-		M
29		-	-	-	-	-	-	-	-	-		R
30	3:02	2	51	1	1	3	52	82	3	8	2 - 3	
Sum		776		578		1354			494			
Mean		35.3		26.3		61.5			22.5			

Days 22

POLAR FACULAE (Days 22)

8cm Refractor X67 Projection 15cm

<u>N</u>	<u>S</u>
0.73	0.36
<u>1.09</u>	

MONTHLY REPORT OF SUNSPOT OBSERVATION

DECEMBER 1997 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	4h20m	1	46	1	3	2	49	69	2	41	2	naked eye=1c
2		-	-	-	-	-	-	-	-	-		C
3	3:10	1	42	0	0	1	42	52	1	42	1 - 2	naked eye=1c
4	2:51	1	40	1	3	2	43	63	2	42	2	naked eye=1c
5	3:13	2	28	1	1	3	29	59	0	0	4	
6	1:30	3	20	0	0	3	20	50	0	0	2	
7		-	-	-	-	-	-	-	-	-		R
8		-	-	-	-	-	-	-	-	-		R
9		-	-	-	-	-	-	-	-	-		C
10	5:32	3	22	2	10	5	32	82	2	9	2	
11	2:36	4	20	2	9	6	29	89	2	11	1 - 2	
12	1:12	4	40	1	3	5	43	93	1	9	2	
13	2:58	3	30	2	6	5	36	86	1	3	3	
14	1:59	3	18	1	3	4	21	61	0	0	2 - 3	
15	5:37	2	17	1	2	3	19	49	0	0	1 - 2	
16	2:37	2	16	1	2	3	18	48	0	0	2	
17		-	-	-	-	-	-	-	-	-		C
18	1:56	2	16	0	0	2	16	36	1	14	2 - 3	
19	3:52	1	10	0	0	1	10	20	1	10	2	
20	1:16	1	5	0	0	1	5	15	1	5	1 - 2	
21	3:15	1	3	1	3	2	6	26	1	1	2 - 3	
22		-	-	-	-	-	-	-	-	-		C
23		-	-	-	-	-	-	-	-	-		C
24	3:02	2	5	1	36	3	41	71	0	0	3	
25	4:55	2	3	1	27	3	30	60	1	13	3	
26		-	-	-	-	-	-	-	-	-		M
27	3:47	2	7	1	23	3	30	60	1	23	3	
28	2:06	2	8	1	28	3	36	66	1	28	3	
29	3:18	2	10	1	20	3	30	60	2	18	2 - 3	
30		-	-	-	-	-	-	-	-	-		C
31	2:34	1	8	2	21	3	29	59	2	19	2	
Sum			864		410			1274		508		
Mean			39.3		18.6			57.9		23.1		

Days 22

8cm Refractor X67 Projection 15cm

POLAR FACULAE(Days 20)

N

S

0.10

0.40

0.50