

MONTHLY REPORT OF SUNSPOT OBSERVATION

JANUARY 1992 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	5h16m	0	0	7	109	7	109	179	3	29	2	naked eye=1c
2	3:21	1	2	6	123	7	125	195	3	20	2	
3		-	-	-	-	-	-	-	-	-		M
4		-	-	-	-	-	-	-	-	-		M
5	2:56	3	9	7	130	10	139	239	5	116	2	naked eye=1c
6		-	-	-	-	-	-	-	-	-		S
7		-	-	-	-	-	-	-	-	-		C
8	2:33	7	81	5	97	12	178	298	7	125	3	naked eye=2c
9		-	-	-	-	-	-	-	-	-		C
10	5:04	9	52	5	91	14	143	283	7	54	2	naked eye=1c
11	2:11	6	34	6	73	12	107	227	5	22	2	
12		-	-	-	-	-	-	-	-	-		M
13	3:29	6	22	6	51	12	73	193	2	28	2	
14	1:10	3	11	7	39	10	50	150	3	25	1 - 2	
15	1:04	2	9	6	32	8	41	121	3	20	1 - 2	
16	2:12	2	8	5	33	7	41	111	2	17	1 - 2	
17	2:44	2	10	5	31	7	41	111	4	19	1 - 2	
18		-	-	-	-	-	-	-	-	-		C
19		-	-	-	-	-	-	-	-	-		C
20	0:15	4	30	4	13	8	43	123	3	19	1 - 2	
21	4:42	3	47	9	29	12	76	196	3	43	1 - 2	
22	3:50	2	43	8	27	10	70	170	4	38	2	
23	1:27	2	35	10	35	12	70	190	6	36	3	
24	1:34	2	19	9	24	11	43	153	5	22	2	
25	1:22	4	19	7	28	11	47	157	7	31	2	
26	- 05	4	21	9	45	13	66	196	7	32	4	
27	3:26	5	27	9	66	14	93	233	4	29	2 - 3	naked eye=1c
28	2:31	5	37	8	78	13	115	245	7	73	2	naked eye=1b
29	1:20	5	31	7	85	12	116	236	6	77	1 - 2	naked eye=1b
30		-	-	-	-	-	-	-	-	-		C
31		-	-	-	-	-	-	-	-	-		C
Sum			1317		2689			4006		1835		
Mean			62.7		128.1			190.8		87.4		

Days 21

8cm Refractor X67 Projection 15cm

POLAR FACULAE (Days 19)

N

S

0.37

0.32

0.68

MONTHLY REPORT OF SUNSPOT OBSERVATION

FEBRUARY 1992 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		-	-	-	-	-	-	-	-	-		C
2	2h09m	4	38	8	157	12	195	315	6	84	2 - 3	naked eye=1c
3		-	-	-	-	-	-	-	-	-		C
4	6:34	4	22	7	120	11	142	252	6	106	2	naked eye=1b
5	5:39	4	16	10	111	14	127	267	7	102	2	naked eye=1b
6		-	-	-	-	-	-	-	-	-		M
7		-	-	-	-	-	-	-	-	-		M
8	3:40	4	36	6	72	10	108	208	4	33	1 - 2	
9	2:13	4	56	9	77	13	133	263	4	37	3	
10	1:14	4	76	6	63	10	139	239	2	38	2 - 3	
11	3:32	3	84	7	58	10	142	242	4	65	2 - 3	
12		-	-	-	-	-	-	-	-	-		M
13	2:04	3	61	5	45	8	106	186	4	76	3	naked eye=2c
14	2:38	4	42	7	45	11	87	197	5	50	2	naked eye=1c
15	2:20	3	34	6	48	9	82	172	5	50	3	naked eye=1b
16		-	-	-	-	-	-	-	-	-		M
17	2:01	3	25	5	57	8	82	162	3	47	2	naked eye=1b
18	1:50	2	17	8	57	10	74	174	5	11	2 - 3	naked eye=1c
19	1:52	3	16	5	41	8	57	137	3	8	2 - 3	
20	1:50	3	27	5	29	8	56	136	2	3	1 - 2	
21	1:48	5	46	7	33	12	79	199	5	13	3	
22	4:16	4	57	5	27	9	84	174	2	8	4	naked eye=1c
23	0:28	8	55	6	35	14	90	230	3	20	2 - 3	naked eye=1b
24		-	-	-	-	-	-	-	-	-		C
25	1:33	8	97	8	42	16	139	299	8	67	2	naked eye=2b
26	2:39	8	105	6	31	14	136	276	7	84	3	naked eye=2b
27	2:08	6	105	7	33	13	138	268	7	91	3	naked eye=2b
28	1:49	7	81	9	44	16	125	285	10	93	3	naked eye=1c
29		-	-	-	-	-	-	-	-	-		C
Sum		2036		2645		4681		2106				
Mean		97.0		126.0		222.9		100.3				

Days 21

POLAR FACULAE (Days 18)

8cm Refractor X67 Projection 15cm

<u>N</u>	<u>S</u>
0.17	0.56
<u>0.72</u>	

MONTHLY REPORT OF SUNSPOT OBSERVATION

MARCH 1992 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	3h58m	6	29	7	30	13	59	189	5	12	2	
3	3:03	6	18	5	17	11	35	145	3	8	3	
4	3:12	6	14	5	19	11	33	143	3	11	4	
5		-	-	-	-	-	-	-	-	-		C
6	2:29	4	16	2	12	6	28	88	1	8	3	
7		-	-	-	-	-	-	-	-	-		M
8		-	-	-	-	-	-	-	-	-		M
9		-	-	-	-	-	-	-	-	-		M
10	4:30	3	10	7	50	10	60	160	4	41	2 - 3	
11	4:16	3	5	8	55	11	60	170	5	38	3	
12	2:30	3	6	8	49	11	55	165	4	25	3	
13	4:01	3	8	10	62	13	70	200	6	31	3	
14	2:40	3	4	8	69	11	73	183	5	19	4	
15		-	-	-	-	-	-	-	-	-		C
16		-	-	-	-	-	-	-	-	-		C
17		-	-	-	-	-	-	-	-	-		S
18		-	-	-	-	-	-	-	-	-		S-R
19	2:20	2	14	3	18	5	32	82	1	3	1 - 2	
20	2:02	4	35	4	11	8	46	126	1	2	3	
21		-	-	-	-	-	-	-	-	-		R
22	0:40	5	29	4	9	9	38	128	3	25	3	
23		-	-	-	-	-	-	-	-	-		R
24	2:30	6	42	3	15	9	57	147	6	31	2	
25	1:47	7	49	2	18	9	67	157	5	25	3	
26		-	-	-	-	-	-	-	-	-		C
27		-	-	-	-	-	-	-	-	-		C
28		-	-	-	-	-	-	-	-	-		C
29		-	-	-	-	-	-	-	-	-		C
30	2:35	1	45	5	45	6	90	150	5	85	3	naked eye=2b
31	1:44	1	44	6	47	7	91	161	5	60	3	naked eye=2c
Sum			998		1396			2394		1044		
Mean			62.4		87.3			149.6		65.3		

Days 16

8cm Refractor X67 Projection 15cm

POLAR FACULAE(Days 14)

<u>N</u>	<u>S</u>
0.29	1.14
<u>1.43</u>	

MONTHLY REPORT OF SUNSPOT OBSERVATION

APRIL 1992 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	2h50m	1	31	4	37	5	68	118	0	0	2 - 3	
3	2:40	2	27	4	32	6	59	119	1	12	3	
4		-	-	-	-	-	-	-	-	-		M
5		-	-	-	-	-	-	-	-	-		R
6	3:04	1	9	3	29	4	38	78	1	14	4	
7	4:46	1	8	3	33	4	41	81	1	27	4	
8	2:47	0	0	3	40	3	40	70	1	31	3	
9		-	-	-	-	-	-	-	-	-		M
10		-	-	-	-	-	-	-	-	-		R
11		-	-	-	-	-	-	-	-	-		M
12	5:24	1	3	4	24	5	27	77	1	3	2 - 3	
13	3:26	1	12	3	33	4	45	85	2	26	2	
14	2:21	2	15	4	28	6	43	103	4	30	2 - 3	
15	2:34	2	14	4	26	6	40	100	3	27	3 - 4	
16	2:10	2	9	4	38	6	47	107	3	27	3	
17	2:37	2	8	5	57	7	65	135	3	27	3	
18		-	-	-	-	-	-	-	-	-		M
19		-	-	-	-	-	-	-	-	-		R
20	3:15	4	14	8	92	12	106	226	3	30	2 - 3	
21	3:01	2	16	8	110	10	126	226	2	67	3 - 4	naked eye=1c
22		-	-	-	-	-	-	-	-	-		R
23	3:39	2	26	8	107	10	133	233	5	106	3	naked eye=1c
24	2:50	3	28	6	81	9	109	199	5	83	3	
25	3:10	5	35	7	67	12	102	222	8	64	3	
26	0:20	3	25	5	37	8	62	142	4	27	2	
27	0:02	4	28	5	24	9	52	142	3	25	3	
28	3:01	4	18	5	19	9	37	127	4	25	3 - 4	
29	4:11	4	12	5	42	9	54	144	5	44	3	
30		-	-	-	-	-	-	-	-	-		R
Sum			798		1936			2734		1285		
Mean			39.9		96.8			136.7		64.3		

Days 20

8cm Refractor X67 Projection 15cm

POLAR FACULAE(Days 18)

<u>N</u>	<u>S</u>
<u>0.39</u>	<u>0.94</u>
<u>1.33</u>	

MONTHLY REPORT OF SUNSPOT OBSERVATION

MAY 1992 Observer - K. Fujimori Suwa City, Nagano

Date	Time	N		S		Total 10g+f			Cent.		Seeing 5 - 1	Remarks
		g	f	g	f	g	f	R	g	f		
1	3h50m	2	9	3	29	5	38	88	2	27	2	
2	3:37	3	13	3	32	6	45	105	1	21	3	
3	3:42	2	13	4	30	6	43	103	2	9	3	
4	3:32	1	9	7	42	8	51	131	5	17	3	
5	3:12	3	15	4	47	7	62	132	5	19	5	
6	2:50	1	2	6	48	7	50	120	3	5	4	
7		-	-	-	-	-	-	-	-	-	-	C
8	5:55	1	7	4	36	5	43	93	3	38	1 - 2	
9		-	-	-	-	-	-	-	-	-	-	R:
10		-	-	-	-	-	-	-	-	-	-	C
11	2:42	1	15	3	21	4	36	76	2	3	4	
12	3:28	1	5	6	22	7	27	97	2	5	5	
13		-	-	-	-	-	-	-	-	-	-	C
14		-	-	-	-	-	-	-	-	-	-	M
15	3:55	1	1	5	22	6	23	83	2	16	5	
16		-	-	-	-	-	-	-	-	-	-	C
17		-	-	-	-	-	-	-	-	-	-	M
18		-	-	-	-	-	-	-	-	-	-	R
19	1:50	1	16	2	7	3	23	53	2	7	1 - 2	
20		-	-	-	-	-	-	-	-	-	-	M
21	0:53	2	39	5	20	7	59	129	4	16	3	naked eye=1c
22		-	-	-	-	-	-	-	-	-	-	M
23		-	-	-	-	-	-	-	-	-	-	M
24	3:07	1	38	5	27	6	65	125	2	43	2 - 3	naked eye=1b
25	7:53	2	36	4	8	6	44	104	3	6	3 - 4	naked eye=1c
26	0:45	3	31	2	3	5	34	84	2	3	3	
27	3:11	4	36	2	5	6	41	101	2	5	3	
28		-	-	-	-	-	-	-	-	-	-	R
29	3:16	4	15	0	0	4	15	55	1	2	4	
30		-	-	-	-	-	-	-	-	-	-	C
31		-	-	-	-	-	-	-	-	-	-	C
Sum		630		1049		1679			672			
Mean		37.1		61.7		98.8			39.5			

Days 17

POLAR FACULAE(Days 14)

8cm Refractor X67 Projection 15cm

<u>N</u>	<u>S</u>
<u>0.86</u>	<u>0.29</u>

1.14

MONTHLY REPORT OF SUNSPOT OBSERVATION

JUNE 1992 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	1h04m	1	10	1	4	2	14	34	1	10	2 - 3	
2	2:59	2	17	1	4	3	21	51	1	11	3	
3	3:43	4	28	2	5	6	33	93	1	9	3	
4	3:40	4	28	2	10	6	38	98	2	6	4	
5		-	-	-	-	-	-	-	-	-		C
6	5:25	4	38	1	4	5	42	92	3	27	3	
7		-	-	-	-	-	-	-	-	-		C
8		-	-	-	-	-	-	-	-	-		R-C
9	5:15	3	48	1	5	4	53	93	4	53	2 - 3	
10		-	-	-	-	-	-	-	-	-		M
11	2:45	4	41	1	5	5	46	96	2	23	3	
12	3:03	4	44	4	17	8	61	141	2	20	3	
13	3:50	4	29	4	16	8	45	125	1	3	2	
14		-	-	-	-	-	-	-	-	-		C
15	4:00	3	6	3	13	6	19	79	3	13	2	
16	2:11	3	10	4	17	7	27	97	3	15	3	
17		-	-	-	-	-	-	-	-	-		C
18	5:10	2	11	2	13	4	24	64	4	9	3	
19	3:18	2	12	5	16	7	28	98	4	19	4	
20		-	-	-	-	-	-	-	-	-		C
21		-	-	-	-	-	-	-	-	-		C
22	4:11	3	33	2	19	5	52	102	2	44	3	
23		-	-	-	-	-	-	-	-	-		C-R
24	5:00	4	36	1	14	5	50	100	0	0	3	naked eye=1c
25	2:10	4	27	1	5	5	32	82	0	0	2 - 3	
26	2:13	5	32	1	5	6	37	97	2	8	5	
27		-	-	-	-	-	-	-	-	-		M
28	2:35	2	12	1	3	3	15	45	3	15	4	
29		-	-	-	-	-	-	-	-	-		C
30		-	-	-	-	-	-	-	-	-		R
Sum		1042		545		1587			665			
Mean		57.9		30.3		88.2			36.9			

Days 18

8cm Refractor X67 Projection 15cm

POLAR FACULAE(Days 17)

<u>N</u>	<u>S</u>
0.94	0.76
<u>1.71</u>	

MONTHLY REPORT OF SUNSPOT OBSERVATION

JULY 1992 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	2h34m	4	59	1	5	5	64	114	3	25	2 - 3	
2	4:08	2	63	1	2	3	65	95	1	21	3	naked eye=1c
3		-	-	-	-	-	-	-	-	-		C
4	4:00	4	67	1	1	5	68	118	3	56	3	naked eye=1c
5		-	-	-	-	-	-	-	-	-		C
6	3:50	1	54	2	12	3	66	96	1	54	1 - 2	naked eye=1c
7	4:03	2	58	2	25	4	83	123	2	50	2 - 3	naked eye=1c
8	2:46	1	30	2	32	3	62	92	2	8	5	
9	3:59	1	17	4	57	5	74	124	3	11	5	naked eye=1c
10	3:58	1	14	6	83	7	97	167	3	41	3	naked eye=1c
11		-	-	-	-	-	-	-	-	-		M
12		-	-	-	-	-	-	-	-	-		M
13		-	-	-	-	-	-	-	-	-		C
14		-	-	-	-	-	-	-	-	-		R
15	2:00	4	23	4	91	8	114	194	4	44	3	
16	1:55	5	34	4	80	9	114	204	4	37	3 - 4	
17		-	-	-	-	-	-	-	-	-		C
18	6:53	5	25	3	27	8	52	132	3	20	2 - 3	
19	1:32	3	22	4	12	7	34	104	3	20	2 - 3	
20	3:41	3	24	2	3	5	27	77	2	5	4	
21	6:40	3	18	2	9	5	27	77	2	9	2	
22	3:57	3	21	3	10	6	31	91	2	14	3 - 4	
23	3:52	3	19	2	6	5	25	75	1	12	4	
24	3:50	2	9	3	4	5	13	63	1	6	4 - 5	
25	4:33	3	9	1	4	4	13	53	0	0	3	
26	5:50	3	9	2	7	5	16	66	1	1	3	
27		-	-	-	-	-	-	-	-	-		M
28	2:30	3	7	2	10	5	17	67	1	3	3	
29	2:50	2	6	2	5	4	11	51	1	2	4 - 5	
30	5:57	3	10	1	3	4	13	53	2	6	3	
31	2:41	3	12	1	8	4	20	60	3	13	4	
Sum		1250		1046		2296			938			
Mean		54.3		45.5		99.8			40.8			

Days 23

8cm Refractor X67 Projection 15cm

POLAR FACULAE(Days 21)

<u>N</u>	<u>S</u>
1.62	0.48

2.10

MONTHLY REPORT OF SUNSPOT OBSERVATION

AUGUST 1992 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	4h00m	3	8	3	9	6	17	77	3	8	2	
2	2:43	3	18	4	13	7	31	101	2	15	2	
3	4:40	2	25	5	28	7	53	123	2	25	1 - 2	
4	3:55	3	25	5	31	8	56	136	2	12	1 - 2	
5	3:52	2	26	6	33	8	59	139	1	5	4	
6	2:52	3	18	4	31	7	49	119	4	16	3	
7		-	-	-	-	-	-	-	-	-		M
8		-	-	-	-	-	-	-	-	-		C-R
9	6:08	0	0	8	58	8	58	138	2	29	3	naked eye=1c
10	3:55	1	2	6	50	7	52	122	3	11	2 - 3	naked eye=1c
11	4:40	1	2	4	29	5	31	81	0	0	2 - 3	
12		-	-	-	-	-	-	-	-	-		C
13		-	-	-	-	-	-	-	-	-		C
14	4:16	3	31	3	23	6	54	114	4	20	2 - 3	
15	4:56	3	26	2	12	5	38	88	3	9	3	naked eye=1b
16	2:46	4	63	2	17	6	80	140	3	39	3	naked eye=1a
17	7:05	4	72	2	2	6	74	134	1	45	3	naked eye=1a
18	4:05	3	66	1	1	4	67	107	1	45	3	naked eye=1a
19	1:25	3	55	0	0	3	55	85	2	47	3	naked eye=1a
20	3:08	1	50	1	2	2	52	72	1	36	4 - 5	naked eye=1b
21	5:10	1	44	1	2	2	46	66	0	0	1 - 2	naked eye=1c
22	2:40	1	46	1	2	2	48	68	0	0	2 - 3	
23	1:37	1	25	1	2	2	27	47	0	0	4	
24		-	-	-	-	-	-	-	-	-		C
25	2:20	1	1	1	2	2	3	23	1	2	4	
26	2:30	1	5	1	2	2	7	27	1	2	3	
27	2:55	2	14	1	1	3	15	45	1	10	3	
28	1:07	2	23	0	0	2	23	43	1	15	5	
29	2:57	2	19	1	2	3	21	51	1	13	3 - 4	
30	3:09	2	9	2	5	4	14	54	2	9	3	
31	2:50	2	10	1	9	3	19	49	2	5	3 - 4	
Sum			1223		1026			2249		848		
Mean			47.0		39.5			86.5		32.6		

Days 26

POLAR FACULAE (Days 21)

8cm Refractor X67 Projection 15cm

<u>N</u>	<u>S</u>
1.57	0.33

1.90



MONTHLY REPORT OF SUNSPOT OBSERVATION

SEPTEMBER 1992 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	2h40m	1	7	4	21	5	28	78	3	4	3	
2	4:10	1	1	3	30	4	31	71	1	10	3 - 4	
3		-	-	-	-	-	-	-	-	-	-	M
4	2:30	2	3	2	40	4	43	83	2	30	3	
5	2:50	1	3	2	29	3	32	62	2	30	3	
6	1:15	1	6	2	44	3	50	80	2	9	3 - 4	
7	4:21	1	3	1	36	2	39	59	1	3	4 - 5	
8	3:23	1	10	1	27	2	37	57	0	0	4	
9	3:12	2	20	2	17	4	37	77	1	4	3	
10	4:10	2	28	2	5	4	33	73	2	8	2	
11		-	-	-	-	-	-	-	-	-	-	M
12	2:37	2	35	3	8	5	43	93	2	37	4	
13		-	-	-	-	-	-	-	-	-	-	C
14		-	-	-	-	-	-	-	-	-	-	C
15	2:09	2	28	4	18	6	46	106	3	28	3 - 4	
16	1:01	4	37	4	10	8	47	127	5	36	4 - 5	
17	6:16	2	34	4	9	6	43	103	2	5	3	
18		-	-	-	-	-	-	-	-	-	-	C
19	2:11	2	13	4	13	6	26	86	2	6	2 - 3	
20	5:00	2	7	4	10	6	17	77	3	9	1 - 2	
21	3:29	2	6	5	25	7	31	101	5	27	2	
22	2:59	1	6	4	22	5	28	78	4	25	3	
23	2:32	2	11	5	34	7	45	115	3	28	4	
24	5:00	2	8	6	28	8	36	116	2	13	1 - 2	
25	3:10	3	8	5	21	8	29	109	2	5	1 - 2	
26		-	-	-	-	-	-	-	-	-	-	C
27		-	-	-	-	-	-	-	-	-	-	M
28		-	-	-	-	-	-	-	-	-	-	M
29		-	-	-	-	-	-	-	-	-	-	R-C
30	5:36	4	19	4	18	8	37	117	5	26	3	
Sum		693		1175		1868			863			
Mean		33.0		56.0		89.0			41.1			

Days 21

8cm Refractor X67 Projection 15cm

POLAR FACULAE(Days 17)

<u>N</u>	<u>S</u>
1.47	0.41
<u>1.88</u>	

MONTHLY REPORT OF SUNSPOT OBSERVATION

OCTOBER 1992 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	3h49m	5	26	6	25	11	51	161	4	18	3	
3	4:52	5	25	4	19	9	44	134	3	17	3	
4		-	-	-	-	-	-	-	-	-		M
5		-	-	-	-	-	-	-	-	-		R
6	3:59	5	34	5	52	10	86	186	6	67	2 - 3	naked eye=1c
7	4:30	3	33	3	66	6	99	159	4	75	2	
8		-	-	-	-	-	-	-	-	-		R
9	2:27	2	18	5	52	7	70	140	3	31	3 - 4	
10	1:23	4	13	4	40	8	53	133	4	26	2	
11		-	-	-	-	-	-	-	-	-		M
12		-	-	-	-	-	-	-	-	-		C
13		-	-	-	-	-	-	-	-	-		C-R
14		-	-	-	-	-	-	-	-	-		C-R
15		-	-	-	-	-	-	-	-	-		R-C
16	3:24	3	16	2	14	5	30	80	1	13	3 - 4	
17	3:51	4	15	1	14	5	29	79	2	22	3	
18		-	-	-	-	-	-	-	-	-		M
19		-	-	-	-	-	-	-	-	-		C-R
20		-	-	-	-	-	-	-	-	-		R-C
21	2:32	2	47	2	27	4	74	114	2	47	2	naked eye=1c
22	2:39	2	50	3	41	5	91	141	3	68	2	naked eye=1c
23	3:29	2	52	3	38	5	90	140	4	88	3	naked eye=1c
24		-	-	-	-	-	-	-	-	-		R
25	1:43	4	31	4	62	8	93	173	5	49	2 - 3	naked eye=1c
26	2:30	4	24	4	68	8	92	172	4	33	2 - 3	naked eye=1a
27	2:34	4	17	6	75	10	92	192	1	11	3	naked eye=1b
28	2:14	3	7	6	102	9	109	199	2	28	2 - 3	naked eye=1b
29		-	-	-	-	-	-	-	-	-		R
30	2:23	1	6	5	71	6	77	137	4	31	2	
31	- 15	1	4	5	65	6	69	129	4	31	2	
Sum			958		1511			2469		1215		
Mean			56.4		88.9			145.2		71.5		

Days 17

8cm Refractor X67 Projection 15cm

POLAR FACULAE(Days 16)

<u>N</u>	<u>S</u>
<u>1.19</u>	<u>0.44</u>
<u>1.63</u>	

MONTHLY REPORT OF SUNSPOT OBSERVATION

NOVEMBER 1992 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	-1h00m	1	11	6	45	7	56	126	4	31	2	
2	1:41	1	12	7	40	8	52	132	4	27	2 - 3	
3	2:37	1	7	5	40	6	47	107	4	21	2 - 3	
4	2:55	1	1	5	39	6	40	100	1	11	3	
5	2:41	2	3	8	50	10	53	153	2	8	3	
6		-	-	-	-	-	-	-	-	-		C-R
7		-	-	-	-	-	-	-	-	-		C
8		-	-	-	-	-	-	-	-	-		M
9		-	-	-	-	-	-	-	-	-		R
10	3:00	3	16	2	28	5	44	94	3	23	1	naked eye=1c
11	3:34	5	18	3	33	8	51	131	4	35	3	naked eye=1c
12		-	-	-	-	-	-	-	-	-		M
13		-	-	-	-	-	-	-	-	-		M
14	1:51	3	9	4	12	7	21	91	2	5	3	
15	2:20	3	8	4	17	7	25	95	2	9	2	
16	4:35	3	11	5	24	8	35	115	2	17	2 - 3	
17	2:43	3	10	7	47	10	57	157	5	28	3	
18	5:36	1	6	11	72	12	78	198	4	23	5	
19	2:36	1	5	8	81	9	86	176	5	28	3 - 4	
20		-	-	-	-	-	-	-	-	-		R
21		-	-	-	-	-	-	-	-	-		C
22	2:39	0	0	5	58	5	58	108	4	51	3	
23	4:20	1	3	8	61	9	64	154	5	54	1 - 2	
24	2:58	2	14	8	53	10	67	167	4	34	3	
25	1:54	2	17	8	59	10	76	176	3	23	2 - 3	
26		-	-	-	-	-	-	-	-	-		M
27	2:57	2	36	7	34	9	70	160	2	31	3	naked eye=1c
28	2:20	2	36	6	24	8	60	140	4	48	1 - 2	naked eye=1c
29	2:59	2	36	6	25	8	61	141	5	51	3	naked eye=1c
30	3:51	2	39	4	17	6	56	116	4	51	3	naked eye=1c
Sum			708		2129			2837		1339		
Mean			33.7		101.4			135.1		63.8		

Days 21

8cm Refractor X67 Projection 15cm

POLAR FACULAE (Days 18)

<u>N</u>	<u>S</u>
<u>0.94</u>	<u>0.72</u>
<u>1.67</u>	

MONTHLY REPORT OF SUNSPOT OBSERVATION

DECEMBER 1992 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		-	-	-	-	-	-	-	-	-		C-R
2	4h43m	2	35	2	7	4	42	82	1	4	2	
3	4:10	2	30	3	8	5	38	88	1	3	3	
4	3:20	2	20	6	13	8	33	133	1	2	4	
5	2:24	2	11	3	7	5	18	68	1	9	2	
6	2:11	1	4	4	10	5	14	64	1	4	2	
7		-	-	-	-	-	-	-	-	-		C
8		-	-	-	-	-	-	-	-	-		R-C
9	3:00	1	2	5	39	6	41	101	3	19	2	
10	2:29	1	2	5	57	6	59	119	4	42	1 - 2	
11	4:00	1	3	5	93	6	96	156	4	82	2	
12	2:58	2	3	6	87	8	90	170	5	76	2	naked eye=1c
13		-	-	-	-	-	-	-	-	-		R
14	2:10	1	2	6	83	7	85	155	4	35	2	
15	1:26	1	3	8	69	9	72	162	3	19	3	
16	2:32	1	5	7	57	8	62	142	3	16	3	
17		-	-	-	-	-	-	-	-	-		M
18	2:49	2	4	8	41	10	45	145	3	5	3	
19	1:59	3	9	6	48	9	57	147	2	3	3	
20	1:20	4	16	4	30	8	46	126	1	2	1	
21	2:18	3	17	5	36	8	53	133	3	5	2 - 3	
22	1:56	3	17	4	34	7	51	121	3	8	3	
23		-	-	-	-	-	-	-	-	-		C
24	1:50	1	2	4	30	5	32	82	3	24	2	
25	2:44	2	15	5	30	7	45	115	3	26	2 - 3	
26	2:25	3	26	5	21	8	47	127	6	42	3	
27	3:00	3	24	4	11	7	35	105	5	28	2	
28		-	-	-	-	-	-	-	-	-		C
29	4:52	3	29	4	12	7	41	111	3	27	3	
30	2:44	3	26	3	8	6	34	94	3	18	2 - 3	
31	2:11	3	13	2	8	5	21	71	0	0	4	
Sum		818		1979			2797		1159			
Mean		34.1		82.5			116.5		48.3			

Days 24

8cm Refractor X67 Projection 15cm

POLAR FACULAE(Days 20)

<u>N</u>	<u>S</u>
0.50	1.30

1.80