

MONTHLY REPORT OF SUNSPOT OBSERVATION

JANUARY 2001 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	4h98m	4	11	4	67	8	78	158	2	58	2 - 3	naked eye=1b
2		-	-	-	-	-	-	-	-	-		C
3	3:40	3	9	4	39	7	48	118	3	40	1 - 2	naked eye=1b
4	4:10	5	21	5	39	10	60	160	4	40	2	naked eye=1c
5	2:07	7	32	4	35	11	67	177	4	14	2 - 3	
6	4:14	7	36	5	34	12	70	190	2	8	2	
7		-	-	-	-	-	-	-	-	-		C
8		-	-	-	-	-	-	-	-	-		C
9		-	-	-	-	-	-	-	-	-		M
10	4:09	9	59	1	3	10	62	162	6	32	2	
11	2:50	8	83	2	4	10	87	187	6	52	2	
12	2:50	6	92	2	3	8	95	175	5	74	1	
13		-	-	-	-	-	-	-	-	-		C
14	2:56	7	105	0	0	7	105	175	2	86	3	
15	3:50	6	75	0	0	6	75	135	2	43	1 - 2	
16	3:00	7	68	0	0	7	68	138	1	17	3 - 4	
17	1:47	4	45	1	1	5	46	96	0	0	3	
18	2:35	5	26	1	3	6	29	89	2	13	3	
19	3:00	5	21	3	15	8	36	116	1	12	2	
20		-	-	-	-	-	-	-	-	-		S
21	2:34	3	13	5	35	8	48	128	5	21	3	
22		-	-	-	-	-	-	-	-	-		C
23	2:34	2	14	9	63	11	77	187	5	29	2 - 3	
24	2:56	3	23	8	86	11	109	219	7	63	3	
25		-	-	-	-	-	-	-	-	-		C
26		-	-	-	-	-	-	-	-	-		C
27		-	-	-	-	-	-	-	-	-		S
28	3:30	5	28	4	62	9	90	180	3	46	3 - 4	
29	2:15	3	22	6	42	9	64	154	4	41	1 - 2	
30	3:31	7	26	5	43	12	69	189	5	19	4 - 5	
31		-	-	-	-	-	-	-	-	-		M
Sum		1869		1264		3133			1398			
Mean		93.5		63.2		156.7			69.9			

Days 20

8cm Refractor X67 Projection 15cm

POLAR FACULAE (Days 15)

<u>N</u>	<u>S</u>
0.07	0.00
<u>0.07</u>	

MONTHLY REPORT OF SUNSPOT OBSERVATION

FEBRUARY 2001 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		-	-	-	-	-	-	-	-	-		S
2	3h12m	6	50	1	1	7	51	121	3	12	2 - 3	
3	3:16	7	82	2	5	9	87	177	3	13	2	
4		-	-	-	-	-	-	-	-	-		C
5	3:05	5	37	4	16	9	53	143	2	7	2 - 3	
6		-	-	-	-	-	-	-	-	-		C
7		-	-	-	-	-	-	-	-	-		C
8	3:31	4	47	5	38	9	85	175	6	63	4	
9	3:39	8	55	4	24	12	79	199	7	61	3	
10		-	-	-	-	-	-	-	-	-		M
11	2:21	8	32	4	43	12	75	195	7	52	4	
12		-	-	-	-	-	-	-	-	-		C
13		-	-	-	-	-	-	-	-	-		C
14	3:05	4	24	4	14	8	38	118	1	6	2 - 3	
15	3:41	4	21	4	7	8	28	108	1	4	2	
16	5:40	4	19	3	5	7	24	94	3	6	1 - 2	
17	3:29	3	12	4	14	7	26	96	3	11	3 - 4	
18	2:30	3	8	3	25	6	33	93	3	21	2	
19	2:34	3	8	7	41	10	49	149	4	30	4	
20	2:37	2	3	5	59	7	62	132	5	54	3	
21	1:59	2	8	7	61	9	69	159	4	52	2	
22	3:11	2	13	7	40	9	53	143	3	10	4	
23		-	-	-	-	-	-	-	-	-		M
24		-	-	-	-	-	-	-	-	-		R
25	2:43	1	15	3	20	4	35	75	2	16	1 - 2	
26	2:59	2	38	4	16	6	54	114	3	41	2 - 3	
27	3:40	2	28	3	6	5	34	84	4	31	3 - 4	
28		-	-	-	-	-	-	-	-	-		C
Sum		1200		1175		2375			1130			
Mean		66.7		65.3		131.9			62.8			

Days 18

8cm Refractor X67 Projection 15cm

POLAR FACULAE(Days 16)

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

MONTHLY REPORT OF SUNSPOT OBSERVATION

MARCH 2001 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		-	-	-	-	-	-	-	-	-		R
2	3h00m	2	8	2	9	4	17	57	1	3	2	
3	2:20	4	14	2	22	6	36	96	1	8	2	
4		-	-	-	-	-	-	-	-	-		C
5		-	-	-	-	-	-	-	-	-		C
6	2:57	5	57	2	19	7	76	146	4	22	2 - 3	
7	3:40	4	65	2	14	6	79	139	3	29	3	
8		-	-	-	-	-	-	-	-	-		M
9	4:20	2	66	2	3	4	69	109	2	30	2	
10	3:40	2	54	5	29	7	83	153	2	17	2	
11	4:50	2	32	6	37	8	69	149	2	2	2 - 3	
12		-	-	-	-	-	-	-	-	-		M
13	2:48	2	9	4	56	6	65	125	1	17	2 - 3	
14	3:17	2	4	4	66	6	70	130	1	57	3	
15	4:20	1	8	4	61	5	69	119	3	60	3 - 4	
16	3:17	1	17	4	57	5	74	124	4	69	4	
17		-	-	-	-	-	-	-	-	-		C
18		-	-	-	-	-	-	-	-	-		C
19	4:10	4	15	3	36	7	51	121	2	5	3	
20	3:50	3	10	4	35	7	45	115	1	2	2	
21	3:42	4	28	7	22	11	50	160	2	4	3	
22	2:45	5	41	3	18	8	59	139	0	0	2 - 3	
23		-	-	-	-	-	-	-	-	-		C
24	3:01	6	74	4	25	10	99	199	4	23	2 - 3	
25		-	-	-	-	-	-	-	-	-		C
26	4:36	11	100	6	83	17	183	353	9	101	3	naked eye=1b
27	5:00	7	114	9	71	16	185	345	10	90	2	naked eye=1b
28		-	-	-	-	-	-	-	-	-		M
29		-	-	-	-	-	-	-	-	-		R
30	1:40	7	126	9	86	16	212	372	7	165	2	naked eye=1a
31		-	-	-	-	-	-	-	-	-		S
Sum		1582		1569		3151			1294			
Mean		83.3		82.6		165.8			68.1			

Days 19

8cm Refractor X67 Projection 15cm

POLAR FACULAE(Days 15)

<u>N</u>	<u>S</u>
0.13	0.07
<u>0.20</u>	

MONTHLY REPORT OF SUNSPOT OBSERVATION

APRIL 2001 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	2h58m	6	85	7	72	13	157	287	6	70	3	naked eye=1c
2	4:23	7	80	7	64	14	144	284	8	61	4	
3		-	-	-	-	-	-	-	-	-	-	
4	2:55	8	54	6	47	14	101	241	5	18	2	
5	3:24	6	32	8	50	14	82	222	2	2	3 - 4	
6	3:07	6	28	6	58	12	86	206	3	24	4 - 5	
7	2:57	3	18	6	53	9	71	161	5	27	3	naked eye=1b
8	4:32	3	21	6	61	9	82	172	2	53	3	naked eye=1b
9	3:05	4	27	6	66	10	93	193	4	60	3	naked eye=1b
10	3:02	3	17	8	87	11	104	214	9	80	3 - 4	naked eye=1c
11	4:36	3	15	9	94	12	109	229	4	55	3	naked eye=1c
12		-	-	-	-	-	-	-	-	-	-	M
13	3:08	1	5	7	72	8	77	157	5	43	3	
14	1:06	3	15	7	46	10	61	161	3	17	3 - 4	
15	4:26	2	11	7	28	9	39	129	2	10	2 - 3	
16	3:31	2	5	6	16	8	21	101	3	12	3	
17	2:50	1	2	2	6	3	8	38	0	0	3	
18		-	-	-	-	-	-	-	-	-	-	C
19	3:40	5	33	1	1	6	34	94	4	22	3	
20	1:43	5	50	2	11	7	61	131	4	26	2 - 3	
21		-	-	-	-	-	-	-	-	-	-	C
22	3:15	5	86	5	33	10	119	219	3	46	3	
23	3:48	4	90	4	21	8	111	191	3	46	3	naked eye=1c
24		-	-	-	-	-	-	-	-	-	-	C-R
25		-	-	-	-	-	-	-	-	-	-	R
26	3:05	5	96	4	16	9	112	202	5	91	4	naked eye=1c
27	3:32	8	100	5	11	13	111	241	6	34	3	naked eye=1c
28	3:52	9	82	4	7	13	89	219	4	13	4	
29		-	-	-	-	-	-	-	-	-	-	M
30		-	-	-	-	-	-	-	-	-	-	R
Sum		1942		2150		4092			1710			
Mean		88.3		97.7		186.0			77.7			

Days 22

8cm Refractor X67 Projection 15cm

POLAR FACULAE(Days 22)

N	S
<u>0.05</u>	<u>0.09</u>
<u>0.14</u>	

MONTHLY REPORT OF SUNSPOT OBSERVATION

MAY 2001 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	3h20m	5	73	3	8	8	81	161	2	29	2 - 3	
2		-	-	-	-	-	-	-	-	-		C-R
3	3:38	5	100	3	6	8	106	186	4	42	3 - 4	
4	4:10	5	113	2	4	7	117	187	3	45	2 - 3	
5	3:40	5	70	3	13	8	83	163	2	31	2	
6	3:03	5	62	4	11	9	73	163	5	13	3 - 4	
7	3:56	4	30	5	13	9	43	133	2	9	4 - 5	
8		-	-	-	-	-	-	-	-	-		R-C
9	4:17	2	15	5	19	7	34	104	5	17	2 - 3	
10	4:26	2	8	4	14	6	22	82	3	12	2	
11	3:24	2	16	4	22	6	38	98	3	13	2 - 3	
12		-	-	-	-	-	-	-	-	-		M
13	3:34	3	38	3	40	6	78	138	4	49	4	
14	4:20	3	38	5	42	8	80	160	5	52	2 - 3	
15	3:05	3	33	5	42	8	75	155	3	41	3	
16	4:35	6	44	4	37	10	81	181	4	31	3	
17	4:30	6	46	3	33	9	79	169	2	27	3 - 4	
18	3:10	8	47	1	25	9	72	162	2	15	2 - 3	
19	4:16	6	52	3	13	9	65	155	0	0	3	
20	2:58	5	36	6	14	11	50	160	2	12	4	
21	2:30	5	43	4	12	9	55	145	2	9	2	
22		-	-	-	-	-	-	-	-	-		C-R
23		-	-	-	-	-	-	-	-	-		R
24		-	-	-	-	-	-	-	-	-		R
25	6:25	6	58	3	12	9	70	160	7	62	2	naked eye=1c
26	2:40	6	59	3	12	9	71	161	5	59	2 - 3	
27		-	-	-	-	-	-	-	-	-		C
28	3:42	7	42	3	15	10	57	157	4	30	3	
29	3:34	7	39	2	4	9	43	133	4	10	3	
30		-	-	-	-	-	-	-	-	-		R
31		-	-	-	-	-	-	-	-	-		C
Sum		2122		1191		3313			1338			
Mean		96.5		54.1		150.6			60.8			

Days 22

8cm Refractor X67 Projection 15cm

POLAR FACULAE (Days 19)

<u>N</u>	<u>S</u>
0.11	0.05
<u>0.16</u>	

MONTHLY REPORT OF SUNSPOT OBSERVATION

JUNE 2001 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	3h50m	3	10	2	10	5	20	70	3	10	2	
2	2:10	4	16	5	24	9	40	130	4	17	2	
3		-	-	-	-	-	-	-	-	-		M
4	3:02	3	41	5	47	8	88	168	2	32	3	
5	3:00	4	46	4	30	8	76	156	1	21	2	
6		-	-	-	-	-	-	-	-	-		C-R
7	3:45	7	45	4	46	11	91	201	5	46	2 - 3	
8	3:33	7	79	4	55	11	134	244	5	74	2 - 3	
9	3:27	8	104	6	50	14	154	294	8	96	2 - 3	
10	3:10	8	84	5	41	13	125	255	7	80	2	
11	3:05	10	85	5	46	15	131	281	6	73	3	
12	3:46	10	74	6	31	16	105	265	7	48	3	
13	3:50	10	63	5	17	15	80	230	6	35	2 - 3	
14		-	-	-	-	-	-	-	-	-		R
15		-	-	-	-	-	-	-	-	-		R
16	3:50	10	112	3	29	13	141	271	3	27	2	
17		-	-	-	-	-	-	-	-	-		M
18	3:34	8	138	2	26	10	164	264	5	116	2	naked eye=1c
19		-	-	-	-	-	-	-	-	-		R
20		-	-	-	-	-	-	-	-	-		R-C
21	6:00	4	115	3	31	7	146	216	4	121	2	
22	3:27	7	102	5	48	12	150	270	5	48	3 - 4	
23		-	-	-	-	-	-	-	-	-		C
24	5:30	7	88	3	45	10	133	233	3	55	2 - 3	
25		-	-	-	-	-	-	-	-	-		C
26	3:20	5	51	3	36	8	87	167	5	47	2 - 3	
27	6:40	5	42	4	32	9	74	164	5	47	2 - 3	
28	6:10	4	28	5	16	9	44	134	4	25	2 - 3	
29	3:32	4	14	5	14	9	28	118	4	15	3	
30		-	-	-	-	-	-	-	-	-		R
Sum		2617		1514		4131			1953			
Mean		130.9		75.7		206.6			97.7			

Days 20

8cm Refractor X67 Projection 15cm

POLAR FACULAE(Days 16)

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

MONTHLY REPORT OF SUNSPOT OBSERVATION

JULY 2001 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	4h26m	4	13	5	13	9	26	116	1	3	2 - 3	
2	4:44	5	13	4	15	9	28	118	1	2	3	
3	3:28	6	15	3	17	9	32	122	1	4	2 - 3	
4	3:45	5	19	2	15	7	34	104	0	0	3	
5	3:43	5	14	4	12	9	26	116	5	12	2 - 3	
6		-	-	-	-	-	-	-	-	-		M
7	3:50	3	15	2	16	5	31	81	4	22	2 - 3	
8	4:42	3	16	3	22	6	38	98	5	30	2 - 3	
9	3:50	2	12	2	28	4	40	80	3	36	2	
10	2:11	2	9	3	32	5	41	91	3	31	4	
11	3:22	3	15	3	26	6	41	101	3	29	3 - 4	
12	4:11	5	11	4	38	9	49	139	2	22	2 - 3	
13	4:17	7	14	5	41	12	55	175	5	34	4 - 5	
14	4:10	7	22	4	48	11	70	180	4	46	4 - 5	
15	3:15	6	16	5	50	11	66	176	5	43	3	
16	3:10	5	23	4	52	9	75	165	4	40	3	
17	5:10	5	21	5	58	10	79	179	5	19	3	
18		-	-	-	-	-	-	-	-	-		C
19	3:33	8	25	6	41	14	66	206	6	22	2 - 3	
20		-	-	-	-	-	-	-	-	-		M
21		-	-	-	-	-	-	-	-	-		M
22	3:07	7	31	2	39	9	70	160	5	52	3	
23	3:51	6	30	2	53	8	83	163	3	19	3	
24	4:02	5	21	3	48	8	69	149	2	8	2 - 3	
25	6:57	3	20	3	33	6	53	113	2	18	2 - 3	
26	4:50	2	25	3	19	5	44	94	1	23	3	
27	3:14	2	24	2	11	4	35	75	1	22	2 - 3	
28	3:30	2	16	5	21	7	37	107	3	20	2	
29	3:56	2	2	3	18	5	20	70	1	6	4 - 5	
30	3:30	2	4	4	18	6	22	82	2	3	2	
31	3:24	2	7	3	22	5	29	79	1	4	4 - 5	
Sum		1593		1746		3339			1350			
Mean		59.0		64.7		123.7			50.0			

Days 27

POLAR FACULAE(Days 25)

8cm Refractor X67 Projection 15cm

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

MONTHLY REPORT OF SUNSPOT OBSERVATION

AUGUST 2001 Observer - K. Fujimori Suwa City, Nagano

Date	Time U. T.	N		S		Total 10g+f			Cent. Seeing		Remarks	
		g	f	g	f	g	f	R	g	f		5 - 1
1	3h10m	3	13	3	28	6	41	101	3	18	2	
2	3:26	4	29	3	31	7	60	130	2	17	4	
3	2:57	3	34	4	28	7	62	132	5	31	3	
4	6:22	4	52	3	37	7	89	159	5	53	2	
5	3:30	4	68	6	52	10	120	220	7	88	2	
6	3:26	3	63	6	49	9	112	202	5	72	2	
7		-	-	-	-	-	-	-	-	-	-	C
8	3:11	5	55	6	42	11	97	207	3	35	2	
9	4:34	3	50	5	27	8	77	157	0	0	3	
10		-	-	-	-	-	-	-	-	-	-	C
11		-	-	-	-	-	-	-	-	-	-	M
12		-	-	-	-	-	-	-	-	-	-	C
13	1:43	4	9	4	59	8	68	148	5	61	3 - 4	
14	2:59	3	8	6	56	9	64	154	5	27	3	
15	3:00	5	11	7	37	12	48	168	5	15	2 - 3	
16	3:51	5	20	9	32	14	52	192	2	8	3	
17	4:40	5	16	7	19	12	35	155	1	5	2	
18		-	-	-	-	-	-	-	-	-	-	C
19	3:05	6	53	4	22	10	75	175	3	7	4 - 5	
20	1:10	5	58	4	11	9	69	159	5	29	2	
21		-	-	-	-	-	-	-	-	-	-	C-R
22		-	-	-	-	-	-	-	-	-	-	R-C
23	3:35	7	65	3	31	10	96	196	4	48	3	
24	3:39	8	40	4	40	12	80	200	3	28	2	
25	3:24	4	25	3	42	7	67	137	3	9	3	
26		-	-	-	-	-	-	-	-	-	-	C-R
27	4:40	4	14	3	62	7	76	146	1	36	1 - 2	
28	3:44	5	31	7	77	12	108	228	2	57	3	naked eye=1b
29	3:15	4	39	3	53	7	92	162	2	48	3	naked eye=1b
30	4:07	4	46	3	56	7	102	172	3	9	2 - 3	
31		-	-	-	-	-	-	-	-	-	-	R-C
Sum		1779		1921		3700			1441			
Mean		80.9		87.3		168.2			65.5			

Days 22

8cm Refractor X67 Projection 15cm

POLAR FACULAE(Days 16)

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

MONTHLY REPORT OF SUNSPOT OBSERVATION

SEPTEMBER 2001 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		-	-	-	-	-	-	-	-	-		M
2	2h23m	3	73	4	34	7	107	177	5	86	4	naked eye=1c
3		-	-	-	-	-	-	-	-	-		C
4	2:57	3	66	5	32	8	98	178	2	64	3	naked eye=1c
5	6:40	3	61	6	52	9	113	203	2	47	2	
6		-	-	-	-	-	-	-	-	-		M
7		-	-	-	-	-	-	-	-	-		C-R
8	2:36	5	42	7	163	12	205	325	5	56	4	
9	5:30	4	20	5	124	9	144	234	3	51	1 - 2	
10		-	-	-	-	-	-	-	-	-		R
11		-	-	-	-	-	-	-	-	-		R-C
12	3:15	3	26	7	169	10	195	295	5	88	2 - 3	naked eye=1c
13	4:30	2	22	7	145	9	167	257	4	68	2	
14		-	-	-	-	-	-	-	-	-		C
15	4:50	3	23	5	95	8	118	198	1	3	1 - 2	
16	2:48	6	31	5	87	11	118	228	3	34	3 - 4	
17	3:31	7	29	4	68	11	97	207	4	56	2 - 3	
18	3:43	10	34	5	51	15	85	235	5	41	3 - 4	
19	4:08	10	47	3	55	13	102	232	4	32	3	
20	3:52	13	73	4	71	17	144	314	9	51	3	
21		-	-	-	-	-	-	-	-	-		C
22	6:31	9	74	4	93	13	167	297	10	66	2	
23		-	-	-	-	-	-	-	-	-		M
24	2:07	9	89	5	130	14	219	359	7	137	3	naked eye=2c
25	3:38	9	74	3	120	12	194	314	5	128	3	naked eye=2b
26	6:26	9	84	3	102	12	186	306	5	109	3	naked eye=2c
27		-	-	-	-	-	-	-	-	-		M
28	2:15	8	90	4	87	12	177	297	4	66	2 - 3	naked eye=1c
29	3:33	6	65	5	75	11	140	250	4	69	2	
30		-	-	-	-	-	-	-	-	-		C-R
Sum		2243		2663		4906			2122			
Mean		118.1		140.2		258.2			111.7			

Days 19

8cm Refractor X67 Projection 15cm

POLAR FACULAE(Days 15)

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

MONTHLY REPORT OF SUNSPOT OBSERVATION

OCTOBER 2001 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	3h08m	7	70	4	41	11	111	221	6	56	2 - 3	
3	2:55	7	53	6	39	13	92	222	6	44	3 - 4	
4	3:03	5	25	8	55	13	80	210	4	19	3 - 4	
5	2:42	3	14	9	51	12	65	185	3	10	2 - 3	
6	3:30	2	4	8	51	10	55	155	1	2	2	
7	2:14	2	4	9	51	11	55	165	5	11	4 - 5	
8		-	-	-	-	-	-	-	-	-		M
9	4:02	2	3	6	45	8	48	128	3	24	3 - 4	
10		-	-	-	-	-	-	-	-	-		R
11	1:58	5	24	6	50	11	74	184	4	41	2 - 3	
12	4:13	5	43	7	50	12	93	213	4	27	3	
13	3:09	4	39	5	42	9	81	171	6	33	3	
14	3:10	4	39	6	29	10	68	168	6	37	2	
15	2:07	7	62	4	37	11	99	209	6	72	3 - 4	naked eye=1b
16	1:16	5	79	5	30	10	109	209	6	78	2	naked eye=1b
17		-	-	-	-	-	-	-	-	-		R
18		-	-	-	-	-	-	-	-	-		C
19	3:15	7	99	5	44	12	143	263	5	82	2 - 3	naked eye=1b
20	2:27	7	91	5	54	12	145	265	5	60	2 - 3	
21		-	-	-	-	-	-	-	-	-		C
22		-	-	-	-	-	-	-	-	-		C-R
23	2:50	10	56	6	70	16	126	286	7	88	2 - 3	
24	4:40	5	43	4	64	9	107	197	6	60	2	naked eye=1c
25	1:19	6	70	5	60	11	130	240	6	61	3	naked eye=1c
26	2:08	7	87	5	61	12	148	268	6	81	3	naked eye=1c
27	4:13	6	85	4	45	10	130	230	5	63	2 - 3	naked eye=1c
28		-	-	-	-	-	-	-	-	-		R
29	4:06	6	112	3	21	9	133	223	4	88	2 - 3	naked eye=1b,1c
30	2:34	5	109	3	9	8	118	198	3	76	2 - 3	naked eye=1b
31	3:25	6	117	1	1	7	118	188	1	57	3 - 4	naked eye=1b
Sum		2558		2240		4798			2250			
Mean		111.2		97.4		208.6			97.8			

Days 23

POLAR FACULAE(Days 22)

8cm Refractor X67 Projection 15cm

<u>N</u>	<u>S</u>
0.09	0.00
<u>0.09</u>	

MONTHLY REPORT OF SUNSPOT OBSERVATION

NOVEMBER 2001 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	6h09m	5	117	1	8	6	125	185	2	91	3	naked eye=1b
2	4:10	5	100	2	22	7	122	192	2	70	2 - 3	naked eye=1b,1c
3		-	-	-	-	-	-	-	-	-		C-R
4	5:15	4	83	4	44	8	127	207	3	52	2 - 3	naked eye=1c
5		-	-	-	-	-	-	-	-	-		M
6		-	-	-	-	-	-	-	-	-		R
7	4:09	4	30	5	104	9	134	224	5	54	3	
8	3:19	7	54	4	115	11	169	279	6	80	4	
9	4:10	9	46	4	123	13	169	299	7	79	3	naked eye=2c
10		-	-	-	-	-	-	-	-	-		C
11	2:07	8	39	6	105	14	144	284	4	92	2 - 3	naked eye=2c
12	4:08	7	26	4	85	11	111	221	3	73	2 - 3	naked eye=2c
13		-	-	-	-	-	-	-	-	-		C
14	3:44	5	19	5	72	10	91	191	5	19	2	
15	2:50	6	27	4	50	10	97	177	5	14	2	
16	3:37	6	33	3	26	9	59	149	4	29	2	
17	6:00	5	30	3	27	8	57	137	3	29	2 - 3	naked eye=1c
18	2:51	7	36	3	39	10	75	175	7	46	3	naked eye=2c
19	2:55	4	27	4	36	8	63	143	5	46	3 - 4	naked eye=1c
20	2:13	4	15	4	53	8	68	148	4	37	3	naked eye=1b
21		-	-	-	-	-	-	-	-	-		M
22	3:57	4	19	4	53	8	72	152	3	46	3 - 4	naked eye=1c
23	2:23	4	24	4	44	8	68	148	3	22	3 - 4	
24		-	-	-	-	-	-	-	-	-		M
25	2:21	3	31	7	39	10	70	170	5	25	3	
26	3:31	3	50	5	25	8	75	155	2	28	3	
27	3:25	3	60	2	12	5	72	122	2	28	2	
28	3:12	4	82	3	24	7	106	176	4	69	2 - 3	naked eye=1c
29	4:45	5	80	4	33	9	113	203	4	80	2	naked eye=1c
30	4:19	7	71	4	33	11	104	214	5	62	1 - 2	naked eye=1b
Sum		2289		2062		4351			2106			
Mean		99.5		89.7		189.2			91.6			

Days 23

8cm Refractor X67 Projection 15cm

POLAR FACULAE(Days 21)

<u>N</u>	<u>S</u>
0.10	0.00
<u>0.10</u>	

MONTHLY REPORT OF SUNSPOT OBSERVATION

DECEMBER 2001 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	3h44m	6	71	5	69	11	140	250	5	64	2 - 3	naked eye=1b
2	2:46	6	69	9	73	15	142	292	6	100	3	naked eye=1c
3	4:55	4	59	7	64	11	123	233	5	66	2	
4	4:14	5	46	9	84	14	130	270	6	69	2	naked eye=1c
5	3:04	7	31	10	89	17	120	290	9	74	2	naked eye=1c
6	4:01	7	37	7	73	14	110	250	8	66	1 - 2	naked eye=1c
7	2:58	7	38	8	75	15	113	263	7	28	2 - 3	
8	4:01	7	30	7	66	14	96	236	6	41	1 - 2	
9	2:52	7	39	7	68	14	107	247	6	50	2 - 3	
10	3:36	6	47	7	51	13	98	228	4	45	2 - 3	naked eye=1c
11		-	-	-	-	-	-	-	-	-		M
12	2:26	4	55	6	60	10	115	215	2	17	2	
13		-	-	-	-	-	-	-	-	-		R
14	3:02	3	56	6	36	9	92	182	4	68	1 - 2	
15		-	-	-	-	-	-	-	-	-		C
16	4:37	4	68	8	49	12	117	237	6	60	2	
17	3:10	4	70	6	41	10	111	211	4	20	1 - 2	
18	4:07	5	63	7	42	12	105	225	5	30	2	
19	3:47	5	58	5	25	10	83	183	5	15	3	
20	2:09	5	65	5	15	10	80	180	4	48	2 - 3	
21		-	-	-	-	-	-	-	-	-		S
22	3:27	4	108	7	46	11	154	264	5	120	2	naked eye=1c
23	3:09	4	109	6	40	10	149	249	6	117	3	naked eye=1c
24	3:28	6	125	5	50	11	175	285	7	75	1 - 2	naked eye=1c
25	3:58	5	107	5	75	10	182	282	4	56	2	
26	2:26	4	89	9	92	13	181	311	5	71	3 - 4	
27	4:13	6	83	8	80	14	163	303	6	95	2 - 3	
28	4:31	8	62	10	88	18	150	330	10	104	3	
29	5:31	5	60	6	85	11	145	255	6	96	3	
30	3:07	5	38	7	69	12	107	227	3	43	2	
31	3:53	6	50	6	67	12	117	237	6	40	1 - 2	
Sum		3183		3552		6735			3178			
Mean		117.9		131.6		249.4			117.7			

Days 27

8cm Refractor X67 Projection 15cm

POLAR FACULAE (Days 22)

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