

MONTHLY REPORT OF SUNSPOT OBSERVATION

JANUARY 2000 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	3	33	1	9	4	42	82	1	2	3	
2	2:20	3	27	1	5	4	32	72	1	5	1 - 2	
3	4:38	3	27	1	18	4	45	85	2	24	2 - 3	
4	3:07	5	24	1	14	6	38	98	4	30	3	
5	3:32	5	31	2	14	7	45	115	5	37	3	
6		-	-	-	-	-	-	-	-	-		C
7	4:41	8	42	2	7	10	49	149	3	16	2	
8		-	-	-	-	-	-	-	-	-		C
9	4:00	5	15	4	11	9	26	116	1	3	1	
10	2:14	3	12	3	25	6	37	97	1	2	2	
11	3:15	2	16	6	41	8	57	137	3	14	2 - 3	
12		-	-	-	-	-	-	-	-	-		C
13		-	-	-	-	-	-	-	-	-		C
14		-	-	-	-	-	-	-	-	-		M
15	3:23	6	28	7	115	13	143	273	3	89	3	
16		-	-	-	-	-	-	-	-	-		M
17		-	-	-	-	-	-	-	-	-		C
18	3:30	4	22	6	94	10	116	216	5	76	3 - 4	
19	3:05	4	24	6	79	10	103	203	5	62	2 - 3	
20	3:10	4	27	5	48	9	75	165	3	42	2 - 3	
21	3:58	4	32	3	34	7	66	136	3	25	2	
22	3:05	4	36	6	31	10	67	167	5	28	4	
23		-	-	-	-	-	-	-	-	-		S
24		-	-	-	-	-	-	-	-	-		C
25	3:30	4	22	4	31	8	53	133	4	33	1 - 2	
26	2:16	3	21	4	21	7	42	112	2	10	2	
27	2:30	2	21	5	19	7	40	110	2	14	2	
28	3:15	2	25	3	20	5	45	95	2	15	2 - 3	
29	3:32	1	9	5	30	6	39	99	3	12	3	
30		-	-	-	-	-	-	-	-	-		M
31	1:45	2	15	3	16	5	31	81	2	10	2	
Sum		1279		1462		2741			1149			
Mean		60.9		69.6		130.5			54.7			

Days 21

8cm Refractor X67 Projection 15cm

POLAR FACULAE(Days 18)

<u>N</u>	<u>S</u>
0.00	0.17
<u>0.17</u>	

MONTHLY REPORT OF SUNSPOT OBSERVATION

FEBRUARY 2000 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	4h28m	3	23	4	17	7	40	110	2	15	2	
2	3:33	4	23	4	9	8	32	112	2	5	2 - 3	
3	3:45	4	21	6	21	10	42	142	4	20	3 - 4	
4	3:11	4	36	6	27	10	63	163	3	17	2 - 3	
5	3:15	5	50	7	22	12	72	192	3	4	4	
6		-	-	-	-	-	-	-	-	-		C-S
7	4:00	5	50	9	40	14	90	230	6	16	2 - 3	
8	3:30	4	47	7	26	11	73	183	4	17	2	
9	3:22	4	46	8	29	12	75	195	4	15	2	
10	3:49	5	32	9	43	14	75	215	5	18	3	
11	3:38	7	21	10	43	17	64	234	8	36	3 - 4	
12	3:29	3	13	9	48	12	61	181	6	32	2 - 3	
13	3:40	2	9	8	42	10	51	151	5	24	3	
14	3:11	3	7	9	56	12	63	183	4	17	2 - 3	
15		-	-	-	-	-	-	-	-	-		M
16		-	-	-	-	-	-	-	-	-		M
17	3:30	1	3	9	58	10	61	161	4	25	2	
18	3:56	2	5	8	61	10	66	166	6	53	3	
19	4:00	2	5	5	50	7	55	125	2	6	1 - 2	
20		-	-	-	-	-	-	-	-	-		S-C
21	3:30	3	8	4	55	7	63	133	1	12	1 - 2	
22	3:11	4	10	5	67	9	77	167	1	10	2 - 3	
23	3:20	4	25	3	40	7	65	135	1	3	1 - 2	
24		-	-	-	-	-	-	-	-	-		M
25	3:16	6	58	6	50	12	108	228	4	32	2 - 3	naked eye=1c
26		-	-	-	-	-	-	-	-	-		C
27	3:00	6	53	5	94	11	147	257	6	76	1 - 2	naked eye=1c
28	3:57	6	39	3	99	9	138	228	3	62	2	naked eye=2b
29	3:10	9	56	6	100	15	156	306	6	70	3	naked eye=2b
Sum		1600		2597		4197			1485			
Mean		69.6		112.9		182.5			64.6			

Days 23

8cm Refractor X67 Projection 15cm

POLAR FACULAE (Days 17)

N

S

0.00

0.12

0.12

MONTHLY REPORT OF SUNSPOT OBSERVATION

MARCH 2000 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	3h14m	8	50	5	94	13	144	274	6	82	3 - 4	naked eye=1a,1b
2	3:15	7	42	7	91	14	133	273	6	75	3 - 4	naked eye=1b
3	3:06	3	29	6	77	9	106	196	1	39	3	naked eye=1b
4		-	-	-	-	-	-	-	-	-		R
5	2:51	3	13	5	92	8	105	185	3	44	3 - 4	naked eye=1c
6	2:53	2	11	6	103	8	114	194	4	47	2 - 3	
7	3:21	3	9	9	117	12	126	246	3	71	3	
8	2:45	1	2	10	108	11	110	220	4	67	1 - 2	
9	3:50	1	5	12	108	13	113	243	7	51	1 - 2	naked eye=1c
10	2:44	2	24	11	108	13	132	262	6	46	2 - 3	naked eye=1c
11		-	-	-	-	-	-	-	-	-		C
12	3:21	3	32	9	87	12	119	239	5	46	3 - 4	naked eye=1b
13	3:56	3	23	8	90	11	113	223	3	61	3	naked eye=1b
14	5:32	4	23	6	73	10	96	196	2	58	2	naked eye=1b
15		-	-	-	-	-	-	-	-	-		M
16		-	-	-	-	-	-	-	-	-		S-C
17		-	-	-	-	-	-	-	-	-		M
18		-	-	-	-	-	-	-	-	-		M
19	1:10	4	93	3	51	7	144	214	4	101	2	naked eye=1c
20	3:27	8	124	3	46	11	170	280	3	93	3	naked eye=1c
21	3:10	7	101	2	36	9	137	227	2	50	2	
22	2:27	6	98	4	46	10	144	244	3	37	2 - 3	
23	3:50	8	91	4	48	12	139	259	4	31	1 - 2	
24	2:41	9	79	7	66	16	145	305	5	44	2 - 3	
25		-	-	-	-	-	-	-	-	-		M
26		-	-	-	-	-	-	-	-	-		M
27	2:35	7	62	7	78	14	140	280	4	56	3	
28		-	-	-	-	-	-	-	-	-		C
29		-	-	-	-	-	-	-	-	-		M
30	2:11	4	43	8	88	12	131	251	8	95	2 - 3	
31	3:30	5	42	8	92	13	134	264	7	68	1 - 2	
Sum		1976		3099		5075			2162			
Mean		94.1		147.6		241.7			103.0			

Days 21

8cm Refractor X67 Projection 15cm

POLAR FACULAE(Days 15)

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

MONTHLY REPORT OF SUNSPOT OBSERVATION

APRIL 2000 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	2h59m	7	54	8	97	15	151	301	6	60	2 - 3	
2		-	-	-	-	-	-	-	-	-		C
3	3:30	6	53	8	81	14	134	274	7	75	1 - 2	
4	3:06	6	53	8	68	14	121	261	4	47	2 - 3	
5		-	-	-	-	-	-	-	-	-		R-C
6	2:41	5	19	6	53	11	72	182	4	35	2 - 3	
7	5:00	3	12	7	40	10	52	152	3	8	2 - 3	
8	3:18	4	14	6	55	10	69	169	4	44	4 - 5	
9		-	-	-	-	-	-	-	-	-		M
10		-	-	-	-	-	-	-	-	-		C-R
11	3:06	4	10	6	55	10	65	165	3	43	3	
12	3:20	4	18	6	56	10	74	174	4	38	2	
13	3:40	4	18	6	58	10	76	176	6	35	2 - 3	
14	4:00	7	22	5	31	12	53	173	6	24	1 - 2	
15		-	-	-	-	-	-	-	-	-		R
16	5:36	7	33	4	38	11	71	181	4	37	2 - 3	
17	3:10	7	24	4	35	11	59	169	3	32	2	
18	6:38	4	24	4	19	8	43	123	2	28	1 - 2	
19		-	-	-	-	-	-	-	-	-		M
20		-	-	-	-	-	-	-	-	-		R-C
21		-	-	-	-	-	-	-	-	-		C
22	2:01	6	57	6	52	12	109	229	4	19	3	
23	4:17	7	72	6	71	13	143	273	6	43	2	
24	3:37	7	102	7	76	14	178	318	6	44	3 - 4	naked eye=1c
25	3:34	5	88	5	71	10	159	259	7	68	3	naked eye=1c,1b
26		-	-	-	-	-	-	-	-	-		R
27	3:43	4	43	5	67	9	110	200	3	80	3	naked eye=2b
28	3:09	6	39	6	80	12	119	239	5	100	3 - 4	naked eye=2b
29	2:45	4	37	6	71	10	108	208	6	90	4	naked eye=2b
30		-	-	-	-	-	-	-	-	-		M
Sum		1862		2364		4226			1880			
Mean		93.1		118.2		211.3			94.0			

Days 20

POLAR FACULAE (Days 17)

8cm Refractor X67 Projection 15cm

N	S
0.06	0.12
0.18	

MONTHLY REPORT OF SUNSPOT OBSERVATION

MAY 2000 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	3h40m	2	26	5	45	7	71	141	1	9	2 - 3	
2	3:34	2	24	5	27	7	51	121	2	3	4 - 5	
3	3:36	2	13	5	25	7	38	108	2	11	2 - 3	
4	3:35	2	10	4	27	6	37	97	3	25	5	
5		-	-	-	-	-	-	-	-	-		M
6	4:50	1	3	4	17	5	20	70	3	13	3	
7		-	-	-	-	-	-	-	-	-		C
8	3:34	3	30	1	4	4	34	74	1	1	3 - 4	
9	2:26	5	48	3	9	8	57	137	4	28	4 - 5	
10	4:20	5	56	2	22	7	78	148	4	48	2	
11		-	-	-	-	-	-	-	-	-		M
12		-	-	-	-	-	-	-	-	-		M
13		-	-	-	-	-	-	-	-	-		C
14	3:28	7	79	6	88	13	167	297	5	53	2 - 3	
15		-	-	-	-	-	-	-	-	-		C
16	4:10	7	53	6	122	13	175	305	2	20	2	naked eye=1b
17		-	-	-	-	-	-	-	-	-		C
18	3:33	3	53	6	111	9	164	254	3	103	2 - 3	naked eye=1b
19		-	-	-	-	-	-	-	-	-		C
20		-	-	-	-	-	-	-	-	-		R-C
21	5:08	5	103	4	97	9	200	290	4	118	2 - 3	naked eye=2c
22	3:07	7	88	5	75	12	163	283	4	66	3	naked eye=1c
23	2:44	7	77	4	58	11	135	245	7	41	4	
24	3:52	7	68	3	26	10	94	194	5	17	4	
25	3:31	7	59	4	22	11	81	191	6	29	4 - 5	
26	3:46	7	45	4	26	11	71	181	3	24	2 - 3	
27		-	-	-	-	-	-	-	-	-		C
28	5:30	6	20	5	49	11	69	179	4	11	2	
29	2:36	3	18	5	50	8	68	148	4	24	2	naked eye=1c
30	2:56	3	9	6	57	9	66	156	5	45	4	naked eye=1c
31		-	-	-	-	-	-	-	-	-		R
Sum		1792		1827		3619			1409			
Mean		89.6		91.4		181.0			70.5			

Days 20

8cm Refractor X67 Projection 15cm

POLAR FACULAE(Days 16)

<u>N</u>	<u>S</u>
0.13	0.00

0.13

MONTHLY REPORT OF SUNSPOT OBSERVATION

JUNE 2000 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	4h08m	5	17	3	42	8	59	139	3	42	3	naked eye=1c
2	4:37	4	19	4	26	8	45	125	5	27	3	naked eye=1c
3		-	-	-	-	-	-	-	-	-		C
4	2:57	6	49	3	28	9	77	167	2	16	3	
5	3:56	5	53	3	22	8	75	155	2	5	2 - 3	
6	2:57	4	54	5	26	9	80	170	3	40	3 - 4	naked eye=1c
7	3:42	4	73	5	35	9	108	198	3	56	3	
8		-	-	-	-	-	-	-	-	-		M
9		-	-	-	-	-	-	-	-	-		R
10		-	-	-	-	-	-	-	-	-		C
11		-	-	-	-	-	-	-	-	-		R-C
12		-	-	-	-	-	-	-	-	-		C
13		-	-	-	-	-	-	-	-	-		C-R
14	6:49	9	117	6	16	15	133	283	7	32	2	
15	5:25	8	100	5	23	13	123	253	3	26	4	
16	3:21	9	101	5	23	14	124	264	5	23	3 - 4	
17		-	-	-	-	-	-	-	-	-		R
18	3:20	7	101	4	20	11	121	231	5	82	2	
19	3:18	8	116	4	21	12	137	257	6	72	4 - 5	
20	5:31	9	108	4	27	13	135	265	4	98	3 - 4	naked eye=1c
21		-	-	-	-	-	-	-	-	-		C
22		-	-	-	-	-	-	-	-	-		M
23		-	-	-	-	-	-	-	-	-		R
24		-	-	-	-	-	-	-	-	-		R
25	2:15	5	37	6	38	11	75	185	4	30	2	
26	3:30	5	39	7	45	12	84	204	5	39	2	
27		-	-	-	-	-	-	-	-	-		R
28		-	-	-	-	-	-	-	-	-		R
29		-	-	-	-	-	-	-	-	-		M
30	3:20	6	28	4	24	10	52	152	4	33	1 - 2	
Sum		1952		1096		3048			1231			
Mean		130.1		73.1		203.2			82.1			

Days 15

8cm Refractor X67 Projection 15cm

POLAR FACULAE(Days 11)

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

MONTHLY REPORT OF SUNSPOT OBSERVATION

JULY 2000 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	3h09m	7	37	7	38	14	75	215	3	43	4	
2	2:43	7	31	8	48	15	79	229	3	26	5	
3	3:22	6	30	7	46	13	76	206	1	18	4	
4	3:29	5	25	6	44	11	69	179	3	14	3	
5	3:26	5	38	6	43	11	81	191	4	21	4	
6	1:44	7	53	6	58	13	111	241	8	79	3 - 4	
7		-	-	-	-	-	-	-	-	-	-	C
8	6:12	5	81	6	92	11	173	283	4	133	3	
9	4:29	6	80	7	96	13	176	306	5	89	3	
10	4:27	8	94	7	97	15	191	341	6	53	3 - 4	
11	4:37	7	99	7	95	14	194	334	4	13	3	naked eye=1c
12	3:08	6	102	6	62	12	164	284	2	32	3 - 4	naked eye=1c
13		-	-	-	-	-	-	-	-	-	-	C
14	3:25	8	115	8	42	16	157	317	4	84	2 - 3	
15		-	-	-	-	-	-	-	-	-	-	C
16	3:23	8	139	4	27	12	166	286	6	113	3	
17	3:05	7	141	6	54	13	195	325	7	85	3	
18	4:55	7	130	7	69	14	199	339	7	105	3	
19	3:15	8	124	8	97	16	221	381	6	124	3	
20		-	-	-	-	-	-	-	-	-	-	M
21	3:50	9	128	6	111	15	239	389	5	148	3	naked eye=1c
22	6:10	8	97	6	77	14	174	314	5	71	2	
23	4:27	7	118	7	89	14	207	347	5	113	3	naked eye=1c
24	4:40	4	86	6	59	10	145	245	5	81	2	naked eye=1c
25		-	-	-	-	-	-	-	-	-	-	R
26		-	-	-	-	-	-	-	-	-	-	C
27		-	-	-	-	-	-	-	-	-	-	M
28		-	-	-	-	-	-	-	-	-	-	R-C
29	2:53	5	35	6	16	11	51	161	2	15	2 - 3	
30	4:35	4	31	7	18	11	49	159	2	19	3	
31	4:01	3	20	5	24	8	44	124	1	14	3	
Sum		3304		2892		6196			2473			
Mean		143.7		125.7		269.4			107.5			

Days 23

POLAR FACULAE(Days 21)

8cm Refractor X67 Projection 15cm

<u>N</u>	<u>S</u>
0.10	0.05
<u>0.14</u>	

MONTHLY REPORT OF SUNSPOT OBSERVATION

AUGUST 2000 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	4h00m	4	18	5	36	9	54	144	3	20	4	
2		-	-	-	-	-	-	-	-	-	-	M
3	2:54	6	15	5	38	11	53	163	7	30	3 - 4	
4	2:57	6	12	6	29	12	41	161	5	18	3 - 4	
5	3:53	5	48	7	49	12	97	217	7	42	3	
6	5:07	5	36	9	48	14	84	224	3	28	3 - 4	
7		-	-	-	-	-	-	-	-	-	-	M
8	3:07	7	58	9	53	16	111	271	5	55	3	
9	4:40	6	55	6	27	12	82	202	6	41	2	
10	3:06	9	67	8	25	17	92	262	8	61	3 - 4	
11		-	-	-	-	-	-	-	-	-	-	M
12	3:10	10	74	5	18	15	92	242	4	13	3 - 4	
13	4:40	12	62	6	22	18	84	264	5	18	2 - 3	
14	3:51	14	89	7	32	21	121	331	5	33	3 - 4	
15	2:15	12	72	5	45	17	117	287	9	59	2 - 3	
16	3:31	10	72	5	51	15	123	273	8	89	3	
17	3:23	7	60	5	56	12	116	236	9	99	3	
18	4:40	6	49	4	26	10	75	175	8	55	2	
19	3:46	7	50	7	28	14	78	218	7	22	3	
20	2:58	6	27	5	26	11	53	163	3	12	2 - 3	
21	5:40	6	20	4	14	10	34	134	3	13	3	
22	3:37	2	11	3	18	5	29	79	1	12	3	
23	2:10	4	16	3	23	7	39	109	3	18	3	
24	3:06	4	18	5	19	9	37	127	1	11	2 - 3	
25	3:09	5	23	3	16	8	39	119	1	1	2 - 3	
26	2:32	3	34	4	15	7	49	119	3	33	4	
27	3:14	3	35	7	29	10	64	164	3	34	3 - 4	
28	3:22	5	51	5	40	10	91	191	2	44	4	
29	3:25	6	63	5	44	11	107	217	5	54	3	
30		-	-	-	-	-	-	-	-	-	-	M
31	3:40	10	80	3	24	13	104	234	4	27	2	
Sum		3015		2311		5326			2222			
Mean		111.7		85.6		197.3			82.3			

Days 27

POLAR FACULAE (Days 25)

8cm Refractor X67 Projection 15cm

<u>N</u>	<u>S</u>
0.12	0.04
<u>0.16</u>	

MONTHLY REPORT OF SUNSPOT OBSERVATION

SEPTEMBER 2000 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	3h55m	8	56	4	24	12	80	200	4	55	3 - 4	
3	3:09	6	46	5	22	11	68	178	4	44	2	
4	3:53	5	48	6	34	11	82	192	4	55	2	
5		-	-	-	-	-	-	-	-	-		C
6		-	-	-	-	-	-	-	-	-		C
7		-	-	-	-	-	-	-	-	-		C
8	3:36	8	34	2	29	10	63	163	1	2	3	
9		-	-	-	-	-	-	-	-	-		C
10	3:30	4	7	1	17	5	24	74	2	2	3 - 4	
11		-	-	-	-	-	-	-	-	-		R
12		-	-	-	-	-	-	-	-	-		R
13	3:45	2	2	3	13	5	15	65	2	6	2 - 3	
14	3:20	3	19	3	16	6	35	95	4	21	2 - 3	
15		-	-	-	-	-	-	-	-	-		M
16		-	-	-	-	-	-	-	-	-		M
17		-	-	-	-	-	-	-	-	-		R
18	3:14	5	71	4	58	9	129	219	4	40	3	
19	1:51	4	91	1	60	5	151	201	1	43	2 - 3	naked eye=1c
20	3:15	4	108	1	60	5	168	218	1	60	3	naked eye=1c
21		-	-	-	-	-	-	-	-	-		M
22		-	-	-	-	-	-	-	-	-		M
23		-	-	-	-	-	-	-	-	-		R
24		-	-	-	-	-	-	-	-	-		M
25	4:10	3	129	5	65	8	194	274	3	141	2 - 3	naked eye=1a
26	4:20	4	109	5	57	9	166	256	3	102	2 - 3	naked eye=1a
27	3:18	5	95	8	55	13	150	280	2	14	2 - 3	naked eye=1b
28	4:00	5	54	6	61	11	115	225	2	7	2	
29		-	-	-	-	-	-	-	-	-		C
30		-	-	-	-	-	-	-	-	-		M
Sum		1529		1111		2640			962			
Mean		109.2		79.4		188.6			68.7			

Days 14

8cm Refractor X67 Projection 15cm

POLAR FACULAE(Days 13)

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

MONTHLY EREPORT OF SUNSPOT OBSERVATION

OCTOBER 2000 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		-	-	-	-	-	-	-	-	-		C-R
3	3h42m	5	24	9	91	14	115	255	4	54	3	
4	4:47	5	20	7	105	12	125	245	3	53	2 - 3	
5		-	-	-	-	-	-	-	-	-		M
6	3:10	3	20	4	47	7	67	137	1	2	2 - 3	
7	3:03	2	17	4	40	6	57	117	1	11	4	
8		-	-	-	-	-	-	-	-	-		C
9	4:02	3	14	4	27	7	41	111	2	8	3	
10	4:50	3	32	2	8	5	40	90	1	23	3	
11	3:01	3	29	4	24	7	53	123	3	16	3	
12	2:34	5	32	5	46	10	78	178	5	38	4	
13	4:11	6	43	5	51	11	94	204	5	49	3 - 4	
14	3:42	4	28	5	37	9	65	155	3	23	2 - 3	
15		-	-	-	-	-	-	-	-	-		C
16	2:55	2	14	6	46	8	60	140	3	27	2 - 3	
17		-	-	-	-	-	-	-	-	-		C
18		-	-	-	-	-	-	-	-	-		C
19	3:07	5	43	4	20	9	63	153	4	20	2 - 3	
20		-	-	-	-	-	-	-	-	-		R
21	3:01	7	72	1	11	8	83	163	6	51	2 - 3	
22	2:50	8	64	2	18	10	82	182	8	65	2	
23		-	-	-	-	-	-	-	-	-		R
24	1:18	4	49	3	14	7	63	133	2	33	2 - 3	
25		-	-	-	-	-	-	-	-	-		R
26	3:30	4	17	6	22	10	39	139	2	3	2	
27	4:38	3	14	4	48	7	62	132	1	5	2 - 3	
28		-	-	-	-	-	-	-	-	-		C
29		-	-	-	-	-	-	-	-	-		R
30	5:36	5	33	5	50	10	83	183	5	22	2	
31	5:50	3	26	5	52	8	78	158	2	28	2	
Sum		1391		1607		2998			1141			
Mean		73.2		84.6		157.8			60.1			

Days 19

POLAR FACULAE (Days 16)

8cm Refractor X67 Projection 15cm

<u>N</u>	<u>S</u>
0.13	0.00
<u>0.13</u>	

MONTHLY REPORT OF SUNSPOT OBSERVATION

NOVEMBER 2000 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		-	-	-	-	-	-	-	-	-		R
3		-	-	-	-	-	-	-	-	-		C
4	1h16m	7	73	4	48	11	121	231	5	69	2	
5	0:30	8	56	4	31	12	87	207	7	50	3	
6	3:10	8	50	5	35	13	85	215	5	33	5	
7	3:23	7	36	7	34	14	70	210	4	11	3	
8	3:29	7	29	5	42	12	71	191	3	22	2 - 3	
9	3:50	6	21	4	34	10	55	155	3	26	2	
10		-	-	-	-	-	-	-	-	-		C
11	3:55	7	15	4	35	11	50	160	4	26	3	
12	3:26	3	8	4	28	7	36	106	3	26	2 - 3	
13		-	-	-	-	-	-	-	-	-		M
14	4:10	3	15	4	39	7	54	124	2	19	2	
15		-	-	-	-	-	-	-	-	-		C-R
16		-	-	-	-	-	-	-	-	-		C
17		-	-	-	-	-	-	-	-	-		R
18	2:49	6	50	2	49	8	99	179	4	41	2	
19	3:00	7	72	1	52	8	124	204	6	91	2	
20		-	-	-	-	-	-	-	-	-		C
21	6:09	6	57	2	37	8	94	174	5	17	1 - 2	
22	3:59	6	50	3	44	9	94	184	3	29	2	naked eye=1c
23	2:52	5	43	2	35	7	78	148	2	32	3	naked eye=1c
24	3:25	4	62	3	23	7	85	155	2	49	2 - 3	naked eye=1c
25	4:45	4	55	3	9	7	64	134	1	43	2 - 3	naked eye=1b
26	3:29	7	55	1	5	8	60	140	3	8	3	naked eye=1c
27		-	-	-	-	-	-	-	-	-		C
28	4:05	5	83	2	10	7	93	163	4	53	2 - 3	
29	3:51	6	70	3	34	9	104	194	4	56	2	
30	3:59	8	62	5	43	13	105	235	8	67	3	
Sum		2162		1347		3509		1548				
Mean		108.1		67.4		175.5		77.4				

Days 20

POLAR FACULAE(Days 18)

8cm Refractor X67 Projection 15cm

<u>N</u>	<u>S</u>
0.11	0.00
<u>0.11</u>	

MONTHLY REPORT OF SUNSPOT OBSERVATION

DECEMBER 2000 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	3h58m	6	44	3	47	9	91	181	5	58	4	
2	2:56	5	29	3	49	8	78	158	5	45	2 - 3	
3		-	-	-	-	-	-	-	-	-		M
4	3:07	6	23	3	21	9	44	134	2	20	2 - 3	
5		-	-	-	-	-	-	-	-	-		M
6	3:41	4	19	2	13	6	32	92	1	3	1 - 2	
7	3:30	4	22	3	19	7	41	111	2	16	1 - 2	
8	4:15	3	21	2	17	5	38	88	2	19	3 - 4	
9		-	-	-	-	-	-	-	-	-		M
10		-	-	-	-	-	-	-	-	-		M
11	3:45	5	26	1	2	6	28	88	1	2	1 - 2	
12	3:46	5	45	2	5	7	50	120	2	9	2	
13	3:59	6	56	2	6	8	62	142	2	48	2 - 3	
14		-	-	-	-	-	-	-	-	-		C
15	3:49	13	90	4	37	17	127	297	9	89	2 - 3	
16	4:37	9	68	4	31	13	99	229	7	62	1 - 2	
17		-	-	-	-	-	-	-	-	-		M
18		-	-	-	-	-	-	-	-	-		M
19	4:30	6	34	4	26	10	60	160	3	8	1 - 2	
20	2:40	6	40	4	19	10	59	159	3	10	1	
21	4:15	8	60	5	22	13	82	212	5	30	1 - 2	
22	2:28	6	63	3	15	9	78	168	3	29	1 - 2	
23	3:43	5	65	3	17	8	82	162	4	41	2	
24	4:00	6	55	4	17	10	72	172	4	49	1 - 2	naked eye=1c
25		-	-	-	-	-	-	-	-	-		C
26		-	-	-	-	-	-	-	-	-		C
27	4:09	4	55	6	38	10	93	193	6	67	3	
28	2:04	4	46	5	45	9	91	181	5	38	1 - 2	
29	4:06	4	46	5	48	9	94	184	3	22	4	
30	5:00	4	32	4	61	8	93	173	4	26	2	naked eye=1b
31		-	-	-	-	-	-	-	-	-		C
Sum		2129		1275		3404			1471			
Mean		101.4		60.7		162.1			70.0			

Days 21

8cm Refractor X67 Projection 15cm

POLAR FACULAE (Days 12)

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