

MONTHLY REPORT OF SUNSPOT OBSERVATION

JANUARY 1981 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	1h33m	8	44	6	44	14	88	228	5	43	3 - 4	
2		-	-	-	-	-	-	-	-	-		C
3		-	-	-	-	-	-	-	-	-		C
4	1:59	7	35	4	8	11	43	153	4	23	3	
5	4:39	4	21	4	12	8	33	113	3	8	2 - 3	
6	4:43	5	18	1	10	6	28	88	1	2	1 - 2	
7	3:11	4	15	3	14	7	29	99	3	10	2	
8	2:16	5	23	4	38	9	61	151	3	37	3	
9	1:57	7	26	3	44	10	70	170	5	47	2 - 3	
10	4:49	6	35	3	47	9	82	172	5	29	2	
11	5:08	4	38	2	34	6	72	132	2	20	1 - 2	
12	3:42	4	20	4	28	8	48	128	3	18	1 - 2	
13	4:32	5	30	5	20	10	50	150	5	34	1 - 2	
14		-	-	-	-	-	-	-	-	-		M
15	2:49	3	26	3	14	6	40	100	4	27	2 - 3	
16		-	-	-	-	-	-	-	-	-		M
17	3:37	3	24	2	13	5	37	87	1	14	2	
18		-	-	-	-	-	-	-	-	-		C
19		-	-	-	-	-	-	-	-	-		C
20		-	-	-	-	-	-	-	-	-		M
21	1:33	4	20	4	19	8	39	119	3	19	1 - 2	
22	4:14	4	21	5	22	9	43	133	3	21	3	
23	0:56	5	21	5	27	10	48	148	4	24	3	
24		-	-	-	-	-	-	-	-	-		C
25	2:15	4	15	6	38	10	53	153	7	43	3	
26		-	-	-	-	-	-	-	-	-		C
27	1:24	4	20	6	44	10	64	164	6	38	4	
28	1:30	3	23	8	50	11	73	183	5	11	3	
29	1:36	5	26	7	62	12	88	208	0	0	3 - 4	
30	1:16	5	26	9	66	14	92	232	2	14	4	
31	1:39	4	29	6	44	10	73	173	4	25	4	
Sum		1586		1698		3284			1287			
Mean		72.1		77.2		149.3			58.5			
Days	22	51.9		55.6		107.5						
										POLAR FACULA		
										N	S	
8cm Refractor X67 Projection 15cm										0.00	0.05	
										0.05		

MONTHLY REPORT OF SUNSPOT OBSERVATION

FEBRUARY 1981 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	2h24m	4	21	6	66	10	97	187	7	80	4	
3	2:49	5	25	6	44	11	69	179	8	62	2 - 3	
4	3:36	6	21	6	39	12	60	180	8	40	3	
5	1:56	5	21	6	35	11	56	166	5	23	3	
6	1:57	9	43	5	43	13	86	216	5	36	4	
7	1:49	6	29	6	48	12	77	197	3	12	4	
8	2:25	5	45	4	31	9	76	166	3	9	3	
9	2:30	5	57	3	18	8	75	155	4	28	4	
10	1:55	6	77	3	19	9	96	186	5	79	2 - 3	
11	2:52	9	82	4	22	12	104	224	5	76	3	naked eye=1c
12	0:33	7	67	4	14	11	81	191	4	62	1 - 2	naked eye=1c
13	5:36	5	86	4	15	9	101	191	3	34	4	
14		-	-	-	-	-	-	-	-	-		M
15		-	-	-	-	-	-	-	-	-		C
16	4:32	6	99	1	16	7	115	185	4	75	4	
17		-	-	-	-	-	-	-	-	-		S
18		-	-	-	-	-	-	-	-	-		M
19		-	-	-	-	-	-	-	-	-		M
20		-	-	-	-	-	-	-	-	-		C
21	1:35	7	65	3	14	10	79	179	2	32	4	
22	1:03	6	60	3	14	9	74	164	3	43	2	
23		-	-	-	-	-	-	-	-	-		S
24		-	-	-	-	-	-	-	-	-		C
25		-	-	-	-	-	-	-	-	-		C
26	1:47	3	19	5	58	8	77	157	3	15	1	
27	2:38	2	12	7	80	9	92	182	5	52	1	
28	2:41	4	10	7	104	11	114	224	7	73	3	naked eye=2c
Sum		1819		1510		3329			1671			

Mean 101.1 83.9 184.9 92.8

Days 18 72.8 66.4 133.2

8cm Refractor X67 Projection 15cm

POLAR FACULA	
N	S
0.00	0.07
0.07	

MONTHLY REPORT OF SUNSPOT OBSERVATION

MARCH 1981 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		-	-	-	-	-	-	-	-	-	-	-	M
2	0h45m	3	17	8	106	11	123	233	6	97	3		naked eye=lc
3	2:33	4	15	8	78	12	93	213	4	49	2		
4		-	-	-	-	-	-	-	-	-	-	-	R
5	2:43	6	19	5	71	11	90	200	5	25	3		
6	1:47	6	22	5	59	11	81	191	5	23	3		
7	0:38	7	14	5	38	12	52	172	5	36	3		
8	0:18	8	23	5	37	13	60	190	6	35	3		
9		-	-	-	-	-	-	-	-	-	-	-	R
10	2:09	5	41	4	26	9	67	157	4	45	2 - 3		
11	2:21	6	52	4	21	10	73	173	3	44	2 - 3		
12	1:33	5	55	5	27	10	82	182	3	48	3		
13	1:21	3	37	3	24	6	61	121	2	46	1 - 2		
14		-	-	-	-	-	-	-	-	-	-	-	C
15		-	-	-	-	-	-	-	-	-	-	-	M
16	4:04	7	49	4	32	11	81	191	4	36	3		
17	2:55	5	50	2	12	7	62	132	2	16	2 - 3		
18	2:12	7	52	2	3	9	55	145	2	16	2 - 3		
19	1:40	6	53	0	0	6	53	113	1	16	2		
20	0:21	7	63	0	0	7	63	133	2	29	3		
21		-	-	-	-	-	-	-	-	-	-	-	R
22	4:43	6	67	3	12	9	79	169	4	22	3		
23	1:51	7	64	3	12	10	76	176	5	23	3		
24	2:01	6	58	3	14	9	72	162	4	34	2		naked eye=lc
25		-	-	-	-	-	-	-	-	-	-	-	R
26		-	-	-	-	-	-	-	-	-	-	-	M
27	4:15	5	61	6	24	11	85	195	4	8	3		
28	1:54	6	41	4	21	10	62	162	3	6	2		
29	0:28	9	53	5	27	14	80	220	3	11	3		
30		-	-	-	-	-	-	-	-	-	-	-	M
31		-	-	-	-	-	-	-	-	-	-	-	R
Sum		2146		1484		3630			1435				
Mean		102.2		70.7		172.9			68.3				
Days	21	73.6		50.9		124.5							
										POLAR FACULA			
										N	S		
8cm Refractor X67 Projection 15cm										0.00	0.32		
										0.32			

MONTHLY REPORT OF SUNSPOT OBSERVATION

APRIL 1961 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		-	-	-	-	-	-	-	-	-		R
2	3h49m	9	51	5	24	14	75	215	7	36	2	
3	-1:22	10	49	6	23	16	72	232	7	34	4	
4		-	-	-	-	-	-	-	-	-		R
5		-	-	-	-	-	-	-	-	-		C-R
6	1:56	8	79	1	3	9	82	172	5	29	2	
7	1:48	11	90	2	9	13	99	229	9	44	3	
8	2:03	11	133	4	15	15	148	298	9	91	3	
9		-	-	-	-	-	-	-	-	-		C
10		-	-	-	-	-	-	-	-	-		C
11	2:46	12	148	1	3	13	151	281	3	54	3	
12	3:04	12	130	2	8	14	138	278	5	13	3	naked eye=lb
13		-	-	-	-	-	-	-	-	-		C
14	3:34	8	89	3	18	11	107	217	6	70	2	naked eye=lb
15	4:51	8	89	3	21	11	110	220	4	59	1-2	naked eye=lb
16		-	-	-	-	-	-	-	-	-		R
17	3:08	9	108	4	31	13	139	269	7	64	2	
18	3:05	12	113	3	26	15	139	289	6	45	3	
19		-	-	-	-	-	-	-	-	-		C-R
20	3:54	11	88	3	39	14	127	267	6	53	2-3	
21	0:34	9	64	2	22	11	86	196	4	56	2-3	
22	1:14	5	51	3	17	8	68	148	5	48	3	naked eye=lc
23	0:15	5	48	3	9	8	57	137	2	6	4	naked eye=lc
24	0:50	6	56	1	3	7	59	129	1	2	3	
25		-	-	-	-	-	-	-	-	-		R
26	3:28	6	56	3	5	9	61	151	1	4	2-3	
27	0:11	7	49	1	3	8	52	132	1	2	2-3	
28	0:05	5	36	1	3	6	39	99	3	22	3	
29	1:14	7	38	1	3	8	41	121	3	31	2	
30	2:49	8	43	1	4	9	47	137	3	31	1-2	

Sum 3398 819 4217 1764

Mean 161.8 39.0 200.8 84.0

Days 21 *116.5* *28.1* *1446*

POLAR FACULA	
N	S
0.00	0.61
0.61	

8cm Refractor X67 Projection 15cm

MONTHLY REPORT OF SUNSPOT OBSERVATION

MAY 1981 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	0h12m	8	59	1	11	9	70	160	4	39		3			
2	2:03	9	55	4	17	13	72	202	4	25		3			
3	3:58	10	61	4	23	14	84	224	4	36	3	4			
4	4:06	13	64	3	18	16	82	242	8	64		2			
5	0:16	9	70	3	14	12	84	204	5	66		3			
6	-	-	-	-	-	-	-	-	-	-		-		C	
7	-	-	-	-	-	-	-	-	-	-		-		R	
8	0:08	11	99	6	27	17	126	296	9	37		4			
9	3:22	9	79	3	15	12	94	214	5	28		3			
10	-	-	-	-	-	-	-	-	-	-		-		C	
11	5:01	10	92	4	13	14	105	245	7	70		2			
12	-	-	-	-	-	-	-	-	-	-		-		R	
13	3:38	8	92	3	6	11	98	208	6	54	2	3			
14	4:42	7	109	3	7	10	116	216	4	30	2	3			
15	-	-	-	-	-	-	-	-	-	-		-		C	
16	-	-	-	-	-	-	-	-	-	-		-		C	
17	-	-	-	-	-	-	-	-	-	-		-		C	
18	0:14	4	101	3	22	7	123	193	4	104		3			
19	0:17	5	85	3	21	8	106	186	5	88		3			
20	1:39	3	32	2	21	5	53	103	3	23		3			
21	0:36	3	23	5	25	8	48	128	2	14		3			
22	1:18	7	24	4	19	11	43	153	2	11		3			
23	0:13	7	27	5	16	12	43	163	1	1		4			
24	-	-	-	-	-	-	-	-	-	-		-		R	
25	2:39	3	48	4	10	7	58	128	4	28		4			
26	2:44	4	58	4	15	8	73	153	6	64	3	4			
27	0:15	5	73	3	12	8	85	165	5	75	4	5			
28	-	-	-	-	-	-	-	-	-	-		-		C	
29	1:24	4	44	2	17	6	61	121	4	46		3			
30	2:30	3	36	2	12	5	48	98	1	10		3			
31	2:45	6	36	3	12	9	48	138	5	28	4	5			
Sum		2847		1093		3940			1921						
Mean		129.4		49.7		179.1			87.3						
Days		22		93.2		35.8		128.9							
								POLAR FACULA							
								N		S					
								0.09		0.91					
								1.00							

8cm Refractor X67 Projection 15cm

MONTHLY REPORT OF SUNSPOT OBSERVATION

JUNE 1981 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	0h46m	4	19	1	3	5	22	72	3	15	3	
3	1:31	1	13	2	4	3	17	47	1	13	4	
4		-	-	-	-	-	-	-	-	-		C
5	1:17	3	10	3	12	6	22	82	1	2	3	
6	0:08	4	7	1	9	5	16	66	1	2	3	
7	0:23	3	7	1	16	4	23	63	2	17	2 - 3	
8		-	-	-	-	-	-	-	-	-		M
9	1:38	3	11	3	8	6	19	79	2	6	2	
10		-	-	-	-	-	-	-	-	-		C
11	3:43	2	12	3	20	5	32	82	2	12	2 - 3	
12		-	-	-	-	-	-	-	-	-		R
13		-	-	-	-	-	-	-	-	-		R
14		-	-	-	-	-	-	-	-	-		C
15		-	-	-	-	-	-	-	-	-		R
16	0:19	3	35	5	49	8	84	164	3	34	3	
17	0:14	2	24	5	51	7	75	145	4	54	3 - 4	
18	4:43	3	13	5	39	8	52	132	3	33	1	
19	0:10	4	15	5	32	9	47	137	3	23	3	
20		-	-	-	-	-	-	-	-	-		C
21	0:13	1	12	5	26	6	38	98	1	1	2	
22		-	-	-	-	-	-	-	-	-		C
23	4:05	5	39	7	31	10	70	170	3	13	3	naked eye=lc
24	0:04	6	53	4	16	10	69	169	3	48	3	naked eye=lc
25		-	-	-	-	-	-	-	-	-		R
26	3:28	4	61	3	23	7	84	154	3	57	1	
27	4:37	5	79	2	45	7	124	194	2	66	1 - 2	
28		-	-	-	-	-	-	-	-	-		R
29		-	-	-	-	-	-	-	-	-		M
30	5:07	5	27	6	62	11	89	199	5	51	1	
Sum		997		1056		2053			867			
Mean		58.6		62.1		120.8			51.0			

Days 17 ^{42.2} ^{44.7} ^{87.0}

8cm Refractor X67 Projection 15cm

POLAR FACULA	
N	S
0.08	0.46
0.54	

MONTHLY REPORT OF SUNSPOT OBSERVATION

JULY 1961 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	4h23m	4	10	6	68	10	78	178	8	74	1 - 2	naked eye=lc
2		-	-	-	-	-	-	-	-	-		R
3		-	-	-	-	-	-	-	-	-		R
4		-	-	-	-	-	-	-	-	-		R
5	0:23	3	11	5	35	8	46	126	2	6	2	
6	3:32	1	2	5	15	6	17	77	1	2	2	
7		-	-	-	-	-	-	-	-	-		C
8	1:53	1	2	5	12	6	14	74	1	2	4	
9	3:18	1	3	4	20	5	23	73	0	0	3	
10	0:03	1	3	5	41	6	44	104	1	2	3 - 4	
11	3:53	2	12	4	44	6	56	116	2	8	2 - 3	
12		-	-	-	-	-	-	-	-	-		C
13	3:51	5	36	4	48	9	84	174	3	42	2	
14	4:13	5	42	5	51	10	93	193	5	53	3	
15	- 37	5	34	5	61	10	95	195	5	55	4	naked eye=lc
16	0:02	6	32	6	70	12	102	222	4	66	2 - 3	
17	0:26	7	32	5	76	12	108	228	5	38	3	naked eye=lc
18		-	-	-	-	-	-	-	-	-		M
19	2:43	6	32	6	78	12	110	230	6	22	4	
20	0:05	7	48	6	61	13	109	239	6	41	4 - 5	
21	2:02	4	38	5	26	9	64	154	3	34	2 - 3	naked eye
22	2:10	4	45	5	41	9	86	176	4	50	3 - 4	=lb,lc
23	0:36	4	48	6	73	10	121	221	6	76	4	=la,lb
24	1:34	4	44	7	95	11	139	249	7	72	3	=la,lc
25	0:12	5	39	7	108	12	147	267	5	48	5	=la
26	2:03	5	28	8	153	13	181	311	6	83	4	=lb,lc
27	3:56	6	26	8	135	14	161	301	6	99	3	=lb,2c
28	3:25	5	21	8	116	13	137	267	5	97	4	=2c
29	- 36	4	22	7	110	11	132	242	7	112	4 - 5	=lc
30		-	-	-	-	-	-	-	-	-		M
31	- 19	4	46	7	74	11	120	230	7	39	5	
Sum		1646		3001		4647			2171			
Mean		68.6		125.0		193.6			90.5			

Days 24 ^{49.4} ^{90.0} ^{139.4}

POLAR FACULA	
N	S
0.17	0.17
0.35	

8cm Refractor X67 Projection 15cm

MONTHLY REPORT OF SUNSPOT OBSERVATION

AUGUST 1981 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	0h22m	3	46	5	42	8	88	168	2	39	3	
2	1:26	3	37	5	22	8	59	139	2	35	3	
3	0:31	4	47	4	20	8	67	147	1	32	3	
4		-	-	-	-	-	-	-	-	-	-	M
5	2:14	3	39	3	40	6	79	139	1	1	2	
6	-1:23	3	28	3	40	6	68	128	0	0	2	
7		-	-	-	-	-	-	-	-	-	-	C
8		-	-	-	-	-	-	-	-	-	-	R
9	3:27	3	13	4	87	7	100	170	3	81	2	naked eye=20
10	2:25	3	16	4	81	7	97	167	4	76	3	
11		-	-	-	-	-	-	-	-	-	-	C
12	4:18	2	7	5	64	7	71	141	4	27	1	
13	3:04	3	11	7	72	10	83	183	3	11	2 - 3	
14		-	-	-	-	-	-	-	-	-	-	C
15	2:17	2	5	10	69	12	74	194	1	1	2 - 3	
16	2:13	2	5	9	52	11	57	167	2	6	2 - 3	naked eye=1c
17	3:53	2	2	9	59	11	61	171	4	28	3	naked eye=1c
18	2:24	0	0	8	86	8	86	166	3	49	1	naked eye=1c
19	3:40	1	8	9	99	10	107	207	5	61	2	naked eye=1c
20	2:39	2	16	10	126	12	142	262	7	72	5	
21		-	-	-	-	-	-	-	-	-	-	C
22		-	-	-	-	-	-	-	-	-	-	C-R
23	4:23	6	43	12	83	18	126	306	8	63	4 - 5	
24	1:43	6	56	12	60	18	116	296	8	57	3	
25	2:26	6	61	8	47	14	108	248	8	55	4	
26		-	-	-	-	-	-	-	-	-	-	C
27		-	-	-	-	-	-	-	-	-	-	C
28		-	-	-	-	-	-	-	-	-	-	C
29		-	-	-	-	-	-	-	-	-	-	R
30	3:46	9	76	11	59	20	135	335	7	62	2 - 3	
31	0:36	9	81	12	61	21	142	352	7	70	3	
Sum			1317		2769			4086		1626		
Mean			65.9		138.5			204.3		81.3		

Days 20 *47.4* *99.7* *147.1*

Gen. Refractor X67 Projection 15cm

POLAR FACULA	
N	S
0.25	0.06
0.31	

MONTHLY REPORT OF SUNSPOT OBSERVATION

SEPTEMBER 1981 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	0h28m	9	65	7	67	16	132	292	5	84	4 - 5	
2	3:40	6	37	7	50	13	87	217	3	37	2	
3		-	-	-	-	-	-	-	-	-		C
4		-	-	-	-	-	-	-	-	-		C - R
5	3:58	7	30	6	54	13	84	214	5	41	2	
6	2:13	9	52	8	64	17	116	286	9	52	3	
7	2:17	8	73	7	53	15	126	276	8	56	2 - 3	naked eye=2c
8	0:47	8	93	7	46	15	139	289	5	48	2 - 3	naked eye=1b
9	3:22	7	73	4	27	11	100	210	7	75	1	naked eye=1b
10		-	-	-	-	-	-	-	-	-		C
11		-	-	-	-	-	-	-	-	-		M
12		-	-	-	-	-	-	-	-	-		R
13	2:26	4	66	4	14	8	80	160	3	17	2 - 3	naked eye=1c
14	0:44	6	80	5	13	11	93	203	4	13	3	
15	0:00	5	60	6	13	11	73	183	4	38	3	naked eye=1c
16	2:35	5	52	6	14	11	66	176	4	37	3	naked eye=1c
17	3:15	6	41	5	18	11	59	159	4	33	2 - 3	naked eye=1c
18	2:59	7	47	6	21	13	68	198	8	43	5	
19		-	-	-	-	-	-	-	-	-		R
20		-	-	-	-	-	-	-	-	-		M
21	2:31	8	58	7	26	15	84	234	6	44	3 - 4	
22	1:58	9	54	5	22	14	76	216	6	49	3	
23	0:15	10	40	5	23	15	63	213	6	42	4	
24	0:44	9	31	7	18	16	49	209	7	30	4 - 5	
25		-	-	-	-	-	-	-	-	-		R
26	4:23	8	31	6	41	14	72	212	6	40	2 - 3	
27	2:02	8	36	9	38	17	74	244	7	43	3	
28	0:19	7	65	11	51	18	116	296	7	61	3 - 4	
29	4:32	7	54	9	37	16	91	251	8	62	2	
30	5:04	7	56	9	51	16	107	267	11	71	3	
Sum		2794		2221		5015			2346			
Mean		127.0		101.0		228.0			106.6			
Days	22	91.4		72.7		164.1			POLAR FACULA			
									N S			
		8cm Refractor X67 Projection 15cm							0.40 0.10			
									0.50			

MONTHLY REPORT OF SUNSPOT OBSERVATION

OCTOBER 1981 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	3h33m	7	70	9	44	16	114	274	8	68	2	
3		-	-	-	-	-	-	-	-	-		M
4	3:46	6	39	8	45	14	84	224	5	46	2	
5		-	-	-	-	-	-	-	-	-		M
6	4:48	5	40	7	61	12	101	221	8	60	2	
7	4:00	3	32	6	64	9	96	186	5	66	2 - 3	
8		-	-	-	-	-	-	-	-	-		R
9		-	-	-	-	-	-	-	-	-		R
10	4:28	6	15	6	66	12	81	201	2	23	3	
11	4:50	4	9	5	59	9	68	158	2	13	2	
12	4:02	4	13	4	72	8	85	165	2	19	2	naked eye=lb
13		-	-	-	-	-	-	-	-	-		M
14	1:52	3	23	7	135	10	158	258	7	96	2 - 3	naked eye=lb
15	3:41	2	13	6	165	8	178	258	4	80	2 - 3	naked eye=lb.lc
16		-	-	-	-	-	-	-	-	-		M
17	4:14	3	11	7	178	10	189	289	5	53	3	naked eye=la
18	2:27	4	9	9	202	13	211	341	3	94	3	naked eye=la
19	3:30	4	12	9	179	13	191	321	4	123	3	naked eye=la
20	2:10	4	15	8	148	12	163	283	5	128	2 - 3	naked eye=lb
21		-	-	-	-	-	-	-	-	-		C
22		-	-	-	-	-	-	-	-	-		R
23	1:03	3	17	7	63	10	80	180	2	10	2 - 3	
24	0:15	3	14	8	39	11	53	163	3	3	2 - 3	
25	1:42	3	13	6	35	9	48	138	4	16	2 - 3	
26	0:12	5	18	5	30	10	48	148	3	16	4	
27	2:43	4	14	3	12	7	26	96	2	7	3	
28	2:40	5	29	3	19	8	48	128	2	10	2 - 3	
29		-	-	-	-	-	-	-	-	-		R
30	3:39	8	44	8	23	16	67	227	7	22	3	
31	2:31	9	46	6	46	15	92	242	7	25	3	
Sun		1446		3055		4501			1878			
Mean		68.9		145.4		214.3			89.4			

Days 21 *49.6* *104.7* *154.3*

POLAR FACULA	
N	S
0.40	0.00
0.40	

8cm Refractor X67 Projection 15cm

MONTHLY REPORT OF SUNSPOT OBSERVATION

NOVEMBER 1961 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	1h05m	9	46	5	57	14	103	243	6	30	3 - 4	
2		-	-	-	-	-	-	-	-	-		R
3		-	-	-	-	-	-	-	-	-		C
4		-	-	-	-	-	-	-	-	-		M
5		-	-	-	-	-	-	-	-	-		C
6		-	-	-	-	-	-	-	-	-		R
7	1:37	7	18	6	120	13	138	268	5	56	2	
8		-	-	-	-	-	-	-	-	-		M
9	0:13	5	29	6	66	11	95	205	4	29	2	
10	2:54	6	40	8	46	14	86	226	10	66	2	
11	2:22	4	52	7	50	11	102	212	6	86	4	
12	3:09	7	64	6	33	13	97	227	9	83	2	naked eye=lc
13	1:40	7	69	8	40	15	109	259	10	74	3	naked eye=lc
14	1:17	7	68	7	55	14	123	263	6	29	4	naked eye=lc
15	1:50	7	57	4	38	11	95	205	5	23	2	
16	0:01	6	39	4	29	10	68	168	2	8	2	
17	3:34	4	17	4	27	8	44	124	2	17	1	
18	3:42	4	5	5	37	9	42	132	4	26	2	
19	3:52	3	14	6	47	9	61	151	4	31	2	
20	3:29	2	18	3	25	5	43	93	2	23	1	
21	3:45	3	13	4	22	7	35	105	2	14	2	
22	3:31	2	13	3	15	5	28	78	1	10	2	
23		-	-	-	-	-	-	-	-	-		C
24	2:47	3	9	2	4	5	13	63	0	0	2	
25		-	-	-	-	-	-	-	-	-		C
26		-	-	-	-	-	-	-	-	-		C
27		-	-	-	-	-	-	-	-	-		R
28	3:14	2	37	4	73	6	110	170	3	49	2	
29	1:40	4	43	4	73	8	116	196	5	79	2	
30	4:23	4	54	5	65	9	119	209	6	88	1	
Sum		1665		1932		3597			1741			
Mean		83.3		96.6		179.9			87.1			
Days 20		59.9		69.6		129.5						
8cm Refractor X67 Projection 15cm									POLAR FACULA			
									N S			
									0.06 0.00			
									0.06			

MONTHLY REPORT OF SUNSPOT OBSERVATION

DECEMBER 1981 Observer - K. Fujimori Suwa City, Nagano

Date	Time	N			S			Total 10g+f			Cent.		Seeing	Remarks
		g	f	s	f	g	f	R	g	f	5 - 1			
1	3h54m	6	66	7	63	13	129	259	6	84	2			
2		-	-	-	-	-	-	-	-	-	-		M	
3	3:47	7	62	10	55	17	117	287	5	39	2			
4	0:10	8	72	8	30	16	102	262	5	16	2			
5	2:08	10	64	9	26	19	90	280	6	29	4			
6	0:56	12	80	10	30	22	110	330	6	29	4			
7		-	-	-	-	-	-	-	-	-	-		M	
8	2:49	9	107	7	41	16	148	308	9	109	2 - 3	naked eye=1c		
9	2:48	9	114	8	53	17	167	337	9	100	1	naked eye=1c		
10	2:10	11	108	10	61	21	169	379	15	116	2	naked eye=2c		
11	1:18	11	90	9	71	20	161	361	12	94	2	naked eye=1c		
12	4:00	9	75	7	72	16	147	307	8	88	2 - 3	naked eye=1c		
13	3:23	7	45	7	64	14	109	249	6	64	2	naked eye=1c		
14		-	-	-	-	-	-	-	-	-	-		M	
15	2:30	5	13	5	35	10	48	148	2	6	2			
16	3:14	3	8	4	31	7	39	109	2	6	2			
17	3:30	3	12	4	18	7	30	100	3	14	2			
18	3:24	3	9	4	22	7	31	101	2	15	2 - 3			
19		-	-	-	-	-	-	-	-	-	-		M	
20	3:56	2	4	2	10	4	14	54	2	10	1			
21	1:38	3	6	3	12	6	18	78	1	7	3			
22	2:35	4	6	5	16	9	22	112	1	1	2			
23	4:04	3	15	4	17	7	32	102	2	8	2			
24	3:30	2	12	3	10	5	22	72	2	9	1			
25	1:10	2	16	3	9	5	25	75	3	9	2			
26	2:49	2	22	6	17	8	39	119	6	32	3			
27	3:05	2	22	7	30	9	52	142	6	41	3			
28	3:50	5	26	8	40	13	66	196	7	35	4			
29		-	-	-	-	-	-	-	-	-	-		M	
30	2:22	6	27	6	32	12	59	179	4	18	3			
31		-	-	-	-	-	-	-	-	-	-		C	

Sum 2521 2425 4946 2279

Mean 100.8 97.0 197.8 91.2

Days 25 72.6 69.8 142.4

8cm Refractor X67 Projection 15cm	POLAR FACULA	
	N	S
	0.04	0.22
	0.26	