

MONTHLY REPORT OF SUNSPOT OBSERVATION

JANUARY 1976 Observer - K. Fujimori Suwa City, Nagano

Date	Time U. T.	N		S		Total		10g+f	Facula		Cent.		Seeing 5 - 1	Remarks
		g	f	g	f	g	f		F	W	g	f		
1	3h00m	1	1	0	0	1	1	11	2	0	1	1	2	0
2	1:20	0	0	0	0	0	0	0	2	1	0	0	3-4	0
3	1:22	0	0	0	0	0	0	0	0	1	0	0	2	0
4		-	-	-	-	-	-	-	-	-	-	-		C
5	5:31	0	0	0	0	0	0	0	0	1	0	0	1	0
6	2:10	0	0	0	0	0	0	0	1	1	0	0	3	0
7	1:53	0	0	0	0	0	0	0	1	1	0	0	2	0
8		-	-	-	-	-	-	-	-	-	-	-		R
9	1:30	0	0	0	0	0	0	0	4	2	0	0	3	0
10	4:10	0	0	0	0	0	0	0	0	0	0	0	2	0
11	1:45	0	0	0	0	0	0	0	0	1	0	0	2-3	0
12	1:30	0	0	2	5	2	5	25	2	0	1	3	2-3	20
13	2:42	0	0	2	16	2	16	36	2	1	0	0	2	26
14	1:10	0	0	2	19	2	19	39	2	1	0	0	2-3	36
15	2:28	0	0	1	27	1	27	37	1	3	0	0	2	20
16	1:43	0	0	1	24	1	24	34	0	2	1	23	1-2	22
17	2:00	0	0	1	19	1	19	29	0	2	1	19	2-3	24
18	2:24	0	0	1	17	1	17	27	1	0	1	17	4	20
19	1:43	0	0	1	11	1	11	21	1	0	1	11	2	18
20	1:23	0	0	1	8	1	8	18	1	0	1	8	1-2	16
21	1:42	0	0	1	5	1	5	15	1	1	0	0	3	11
22	2:21	0	0	1	5	1	5	15	0	1	0	0	2	10
23	1:33	0	0	1	4	1	4	14	0	1	0	0	2	10
24	1:54	0	0	1	2	1	2	12	0	1	0	0	2	0
25	2:45	0	0	0	0	0	0	0	1	1	0	0	3	0
26	1:14	0	0	0	0	0	0	0	1	1	0	0	3	0
27	1:20	0	0	1	1	1	1	11	2	0	1	1	5	7
28	1:11	0	0	0	0	0	0	0	1	0	0	0	2	0
29	1:20	0	0	0	0	0	0	0	1	0	0	0	2	14
30	1:10	0	0	1	1	1	1	11	0	0	1	1	2	8
31	2:18	1	1	0	0	1	1	11	1	0	1	1	4	0
Sum		22		344		366		366			185		262	
Mean		0.8		11.9		12.6		12.6			6.4			

k=0.716

Days 29

8cm Refractor X67 Projection 15cm

7 8 9 10 11 12 ① 2 3 4 5 6 7

$6024 \div 295 = 20.4$

$N 3415 = 11.6$

$S 2609 = 8.8$

## MONTHLY REPORT OF SUNSPOT OBSERVATION

FEBRUARY 1976 Observer - K. Fujimori Suwa City, Nagano

Date	Time	N		S		Total		10g+f		Facula		Cent.		Seeing	Remarks
		U.	F.	S	f	S	f	S	f	E	W	S	f		
1	3h08m	0	0	0	0	0	0	0	1	1	0	0	2	0	
2	1:09	0	0	0	0	0	0	0	2	1	0	0	4	0	
3	1:25	0	0	0	0	0	0	0	1	0	0	0	4	0	
4	1:54	0	0	0	0	0	0	0	2	1	0	0	1 - 2	0	
5	-	-	-	-	-	-	-	-	-	-	-	-	-	S	
6	0:47	0	0	0	0	0	0	0	2	0	0	0	4	0	
7	0:52	0	0	0	0	0	0	0	2	2	0	0	3	0	
8	1:00	0	0	0	0	0	0	0	2	0	0	0	2 - 3	0	
9	2:04	0	0	0	0	0	0	0	1	1	0	0	4	0	
10	1:52	1	1	0	0	1	1	11	1	0	0	0	3	0	
11	1:03	0	0	0	0	0	0	0	0	0	0	0	2	0	
12	1:40	0	0	0	0	0	0	0	1	0	0	0	2	0	
13	2:58	0	0	1	8	1	8	18	0	0	1	8	2	13	
14	-	-	-	-	-	-	-	-	-	-	-	-	-	C	
15	-	-	-	-	-	-	-	-	-	-	-	-	-	C	
16	-	-	-	-	-	-	-	-	-	-	-	-	-	R	
17	2:24	0	0	1	3	1	3	13	1	0	0	0	1 - 2	8	
18	-	-	-	-	-	-	-	-	-	-	-	-	-	R	
19	2:24	0	0	1	3	1	3	13	1	2	0	0	2	10	
20	-	-	-	-	-	-	-	-	-	-	-	-	-	C	
21	1:28	0	0	1	4	1	4	14	2	0	1	4	3	8	
22	-	-	-	-	-	-	-	-	-	-	-	-	3	R	
23	2:10	0	0	0	0	0	0	0	0	0	0	0	2	0	
24	0:27	0	0	0	0	0	0	0	1	1	0	0	3	7	
25	1:43	0	0	0	0	0	0	0	0	1	0	0	2	0	
26	1:33	0	0	0	0	0	0	0	0	0	0	0	2	0	
27	1:26	0	0	0	0	0	0	0	1	1	0	0	2	7	
28	3:40	0	0	0	0	0	0	0	1	1	0	0	1 - 2	0	
29	-	-	-	-	-	-	-	-	-	-	-	-	-	R	
<b>Sum</b>				<b>11</b>		<b>58</b>		<b>69</b>		<b>69</b>		<b>32</b>			
<b>Mean</b>				<b>0.5</b>		<b>2.8</b>		<b>3.3</b>		<b>3.3</b>		<b>1.5</b>			

$k=0.768$

Days 21

Sem Refractor K67 Projection 15cm

8 9 10 11 12 1 <sup>(2)</sup> ~~1 2 3 4 5 6~~  
3 4 5 6 7 8

$5727 \div 299 = 19.2$        $N3230 = 10.8$   
 $52497 = 8.4$

MONTHLY REPORT OF SUNSPOT OBSERVATION

MARCH 1976 Observer - K. Fujimori Sawa City, Nagano

Date	Time U. T.	N		S		Total 10g+f		Facula		Cent.		Seeing 5 - 1	Remarks
		g	f	g	f	g	f	E	W	g	f		
1	5h03m	0	0	0	0	0	0	0	0	0	0	2	0
2	2:40	0	0	0	0	0	0	0	0	0	0	2	0
3	1:40	0	0	0	0	0	0	0	1	0	0	2 - 3	0
4	1:49	0	0	0	0	0	0	0	0	0	0	2 - 3	0
5	1:47	0	0	0	0	0	0	0	1	0	0	3	0
6	1:22	0	0	1	3	1	3	13	1	0	0	4	10
7	1:51	0	0	1	2	1	2	12	1	1	0	3	12
8	0:00	0	0	1	3	1	3	13	0	1	0	5	7
9	3:00	0	0	1	4	1	4	14	-	-	0	2	10
10	2:23	0	0	1	6	1	6	16	0	0	0	2	12
11	2:28	0	0	1	12	1	12	22	1	1	1	4 - 5	13
12	6:58	0	0	2	8	2	8	28	0	0	2	2	13
13	3:10	0	0	2	12	2	12	32	0	0	2	2	13
14	3:03	0	0	2	10	2	10	30	1	0	1	2	22
15	1:23	0	0	2	5	2	5	25	1	0	0	3	16
16	0:08	1	1	0	0	1	1	11	1	2	0	3	11
17	5:20	1	22	1	2	2	24	44	-	-	1	1	30
18	5:10	1	32	1	5	2	37	57	0	1	2	2	45
19	1:50	1	34	1	11	2	45	65	0	2	2	2	51
20	0:14	1	31	1	8	2	39	59	0	1	2	2	51
21	1:03	1	44	1	6	2	50	70	0	1	2	4	48
22	1:41	1	36	1	1	2	37	57	0	1	1	2	36
23	0:33	1	33	0	0	1	33	43	0	3	0	3	28
24	1:18	1	15	0	0	1	15	25	0	2	0	2	25
25	1:39	1	8	1	7	2	15	35	1	2	0	2	22
26	3:23	0	0	2	18	2	18	38	1	0	1	2 - 3	42
27	3:47	1	5	2	34	3	39	69	2	0	1	3	46
28	0:43	1	8	2	28	3	36	66	1	1	0	2	肉眼黒点 = 1
29	0:30	1	3	1	28	2	31	51	0	2	1	4	肉眼黒点 = 1
30	-	-	-	-	-	-	-	-	-	-	-	-	R
31	1:15	0	0	1	19	1	19	29	0	1	1	2	肉眼黒点 = 1
Sum			402		522			924			471		682
Mean			13.4		17.4			30.8			15.7		

$k = 0.733$

Days 30

8cm Refractor X67 Projection 15cm

9 10 11 12 1 2 (3) 4 5 6 7 8 9  
 $5166 \div 302 \text{日} = 17.1$       $N = 2613 = 8.7$   
 $S = 2553 = 8.5$

MONTHLY REPORT OF SUNSPOT OBSERVATION

APRIL 1976 Observer - K.Fajimori Suwa City, Nagano

Date	Time U. T.	N		S		Total 10g+f		Facula		Cent.		Seeing 5 - 1	Remarks	
		g	f	g	f	g	f	E	W	g	f			
1	2h30m	0	0	1	22	1	22	32	0	0	1	22	3	26 波眼点 = 1
2	4:33	0	0	1	20	1	20	30	2	0	1	19	3	4 25 " = 1
3		-	-	-	-	-	-	-	-	-	-	-		C
4	2:02	0	0	1	10	1	10	20	2	1	0	0	3	4 13
5	2:43	0	0	1	7	1	7	17	2	1	0	0	2	12
6	1:00	0	0	1	5	1	5	15	1	1	0	0	2	9
7	0:10	0	0	0	0	0	0	0	1	0	0	0	3	0
8	6:09	0	0	0	0	0	0	0	1	0	0	0	3	0
9		-	-	-	-	-	-	-	-	-	-	-		C
10	2:24	1	3	0	0	1	3	13	1	0	0	0	2	10
11	3:02	1	3	0	0	1	3	13	1	0	0	0	4	15
12		-	-	-	-	-	-	-	-	-	-	-		R
13	1:57	1	5	0	0	1	5	15	0	1	1	5	4	17
14		-	-	-	-	-	-	-	-	-	-	-		R
15	3:30	2	8	0	0	2	8	28	1	1	1	5	3	19
16	1:02	2	5	0	0	2	5	25	2	0	1	3	2	3 19
17	0:10	2	4	0	0	2	4	24	2	1	1	2	4	24
18	0:13	2	5	1	5	3	10	40	0	1	1	3	3	27
19	4:40	2	5	1	9	3	14	44	0	1	2	12	2	27
20	0:03	2	4	1	6	3	10	40	0	1	2	8	2	30
21		-	-	-	-	-	-	-	-	-	-	-		C
22	0:26	1	3	1	4	2	7	27	1	2	1	3	4	5 20
23		-	-	-	-	-	-	-	-	-	-	-		C
24		-	-	-	-	-	-	-	-	-	-	-		R
25	0:39	1	2	1	4	2	6	26	1	2	1	4	3	17
26	5:56	2	8	1	4	3	12	42	1	2	1	4	3	28
27	0:04	1	6	1	3	2	9	29	1	0	1	3	2	23
28	0:10	1	7	1	7	2	14	34	0	0	1	7	4	21
29	3:33	0	0	1	9	1	9	19	1	0	1	9	2	26
30		-	-	-	-	-	-	-	-	-	-	-		R
		278		255		533				279				408
		12.6		11.6		24.2				12.7				$k=0.765$

Days 22                      8cm Refractor X67 Projection 15cm

10 11 12 1 2 3 (4) 5 6 7 8 9 10

~~4522~~  
5030

$5522 \div 305 = 18.1$

$N2641 = 8.7$

$S2881 = 9.4$

MONTHLY REPORT OF SUNSPOT OBSERVATION

MAY 1976 Observer - K.Fujimori Suwa City, Nagano

Date	Time	N		S		Total 10g+f		Facula		Cent.		Seeing	Remarks	
		g	f	g	f	g	f	H	W	g	f			
1	3h39m	0	0	1	28	1	28	38	1	1	0	0	2	35
2	3:14	0	0	1	15	1	15	25	0	1	0	0	2	26
3		-	-	-	-	-	-	-	-	-	-	-		0
4		-	-	-	-	-	-	-	-	-	-	-		0
5		-	-	-	-	-	-	-	-	-	-	-		0
6	0:56	1	3	0	0	1	3	13	1	1	0	0	2 - 3	10
7	0:20	1	3	0	0	1	3	13	1	0	0	0	3	10
8	0:56	1	3	0	0	1	3	13	1	0	0	0	3	9
9	0:02	1	2	0	0	1	2	12	1	0	0	0	2 - 3	8
10	0:05	1	2	0	0	1	2	12	1	0	1	2	2	10
11	6:51	1	3	0	0	1	3	13	1	1	1	3	3	16
12		-	-	-	-	-	-	-	-	-	-	-		R
13	0:07	2	4	0	0	2	4	24	1	0	1	3	2	23
14	1:44	2	4	1	1	3	5	35	2	0	1	3	2	30
15	0:03	1	3	1	1	2	4	24	2	2	0	0	4	17
16	0:09	1	7	0	0	1	7	17	-	-	0	0	1 - 2	12
17	2:02	1	6	0	0	1	6	16	1	1	0	0	4	18
18	0:18	0	0	1	1	1	1	11	2	0	0	0	3	8
19	4:22	0	0	2	3	2	3	23	1	2	1	1	3	20
20	0:09	0	0	3	5	3	5	35	1	1	1	3	3	20
21		-	-	-	-	-	-	-	-	-	-	-		R
22	3:58	0	0	1	4	1	4	14	0	1	0	0	2	7
23		-	-	-	-	-	-	-	-	-	-	-		R
24	0:30	0	0	0	0	0	0	0	0	1	0	0	4	8
25		-	-	-	-	-	-	-	-	-	-	-		R
26	1:34	0	0	0	0	0	0	0	0	0	0	0	2	7
27	1:54	0	0	0	0	0	0	0	0	1	0	0	3 - 4	6
28	1:08	0	0	0	0	0	0	0	1	1	0	0	4	6
29	0:24	0	0	0	0	0	0	0	0	1	0	0	2	6
30		-	-	-	-	-	-	-	-	-	-	-		R
31	5:44	0	0	0	0	0	0	0	0	0	0	0	4 - 5	6
Sum		170		168		338		75						294
Mean		7.4		7.3		14.7		3.3						

11 12 / 2 3 4 (5) 6 7 8 9 10 11 k=0.870  
 $5405 \div 309 = 17.5$        $N2549 = 8.2$   
 $S2856 = 9.2$

Days 23                      8cm Refractor X67 Projection 15cm

MONTHLY REPORT OF SUNSPOT OBSERVATION

JUNE 1976 Observer - K.Fujimori Suwa City, Nagano

Date	Time U. T.	N		S		Total log+f		Facula		Cent.		Seeing 5 - 1	Remarks	
		g	f	g	f	g	f	E	W	g	f			
1	2h37m	0	0	0	0	0	0	0	0	0	0	3	0	
2	0:03	0	0	0	0	0	0	0	2	0	0	3	0	
3	0:42	0	0	0	0	0	0	0	3	0	0	3	0	
4	1:14	0	0	0	0	0	0	0	2	0	0	2	0	
5		-	-	-	-	-	-	-	-	-	-	-	R	
6	0:44	0	0	0	0	0	0	0	1	0	0	2 - 3	0	
7	3:33	0	0	0	0	0	0	0	1	1	0	4 - 5	0	
8		-	-	-	-	-	-	-	-	-	-	-	C	
9		-	-	-	-	-	-	-	-	-	-	-	R	
10	6:28	0	0	1	3	1	3	13	2	1	0	1 - 2	7	
11		-	-	-	-	-	-	-	-	-	-	-	R	
12		-	-	-	-	-	-	-	-	-	-	-	C	
13		-	-	-	-	-	-	-	-	-	-	-	C	
14	3:24	1	1	0	0	1	1	11	3	0	0	3 - 4	15	
15	1:32	1	5	1	1	2	6	26	1	1	0	3	18	
16	0:24	1	13	0	0	1	13	23	2	1	0	2	12	
17	2:50	1	24	0	0	1	24	34	2	1	0	2	18	
18		-	-	-	-	-	-	-	-	-	-	-	C	
19		-	-	-	-	-	-	-	-	-	-	-	C	
20	5:30	1	27	0	0	1	27	37	0	3	1	27	3 - 4	17
21	5:56	2	26	0	0	2	26	46	0	2	1	17	3	30
22	3:10	2	15	1	2	3	17	47	1	1	1	5	2	31
23	2:01	2	10	1	3	3	13	43	1	2	0	0	2	23
24	6:50	2	3	1	5	3	8	38	2	2	1	1	1 - 2	26
25		-	-	-	-	-	-	-	-	-	-	-	-	R
26		-	-	-	-	-	-	-	-	-	-	-	-	R - C
27	1:30	0	0	1	5	1	5	15	2	2	1	5	3	9
28	1:06	0	0	1	4	1	4	14	1	1	1	4	2 - 3	16
29	2:50	0	0	1	5	1	5	15	2	2	0	0	2 - 3	11
30		-	-	-	-	-	-	-	-	-	-	-	-	C
Sum		254		108				362			119			233
Mean		13.4		5.7				19.1			6.3			k=0.644

12 1 2 3 4 5 6 7 8 9 10 11 12

$5356 \div 3138 = 17.1$

$N2584 = 8.3$

$S2772 = 8.9$

Days 19

8cm Refractor X67 Projection 15cm

MONTHLY REPORT OF SUNSPOT OBSERVATION

JULY 1976 Observer - K. Fujimori Suwa City, Nagano

Date	Time U.T.	N		S		Total 10g+f		Facula		Cent.		Seeing 5 - 1	Remarks	
		g	f	g	f	g	f	E	W	g	f			
1	2h58m	0	0	1	2	1	2	12	0	1	0	0	2 - 3	9
2	0:32	0	0	1	2	1	2	12	1	1	0	0	3 - 4	8
3		-	-	-	-	-	-	-	-	-	-	-		C
4	1:02	1	3	0	0	1	3	13	2	3	1	3	3	8
5		-	-	-	-	-	-	-	-	-	-	-		C
6		-	-	-	-	-	-	-	-	-	-	-		C
7	5:17	1	2	0	0	1	2	12	1	2	0	0	2 - 3	7
8	1:09	0	0	0	0	0	0	0	1	2	0	0	3	0
9	5:13	0	0	0	0	0	0	0	0	2	0	0	3	0
10		-	-	-	-	-	-	-	-	-	-	-		C
11		-	-	-	-	-	-	-	-	-	-	-		C
12		-	-	-	-	-	-	-	-	-	-	-		R
13	0:03	0	0	0	0	0	0	0	1	0	0	0	2	0
14	0:04	0	0	0	0	0	0	0	2	2	0	0	2	0
15	3:58	0	0	0	0	0	0	0	2	1	0	0	2	0
16		-	-	-	-	-	-	-	-	-	-	-		C
17	1:13	0	0	0	0	0	0	0	0	0	0	0	3	0
18	2:10	0	0	1	1	1	1	11	1	1	1	1	3	0
19		-	-	-	-	-	-	-	-	-	-	-		R
20	2:38	0	0	0	0	0	0	0	1	0	0	0	3	0
21	1:04	0	0	0	0	0	0	0	1	1	0	0	2	0
22	2:42	0	0	0	0	0	0	0	2	1	0	0	3	0
23	1:28	0	0	0	0	0	0	0	2	1	0	0	4	0
24	0:58	0	0	0	0	0	0	0	0	1	0	0	2 - 3	0
25	2:13	0	0	0	0	0	0	0	1	0	0	0	2	0
26	1:14	0	0	0	0	0	0	0	1	1	0	0	2	0
27	3:50	0	0	0	0	0	0	0	1	0	0	0	3	0
28	1:24	0	0	0	0	0	0	0	0	0	0	0	2	0
29	2:27	0	0	0	0	0	0	0	3	0	0	0	3	0
30	2:44	0	0	0	0	0	0	0	2	1	0	0	2	0
31	2:52	0	0	0	0	0	0	0	1	1	0	0	2 - 3	
Sum		25		35		60		24		24			32	
Mean		1.1		1.5		2.6		1.0						

1 2 3 4 5 6 ⑦ 8 9 10 11 12 /  $k=0.523$   
 $N 2837 = 9.0$   
 $5801 \div 314 = 18.5$   
 $S 2964 = 9.4$   
 Days 23      8cm Refractor X67 Projection 15cm

MONTHLY REPORT OF SUNSPOT OBSERVATION

AUGUST 1976 Observer - K. Fujimori Suwa City, Nagano

Date	Time	N		S		Total 10g+f		Facula		Cent.		Seeing	Remark
		g	f	g	f	g	f	E	W	g	f		
1	1h32m	0	0	0	0	0	0	0	1	0	0	3	10
2		-	-	-	-	-	-	-	-	-	-		M
3		-	-	-	-	-	-	-	-	-	-		R
4	4:13	1	5	0	0	1	5	15	1	0	0	2	14
5	7:43	1	8	0	0	1	8	18	1	0	1	3	17 倫眼黒点 =
6	6:58	1	5	0	0	1	5	15	0	0	1	2	15 "
7	4:20	1	10	0	0	1	10	20	2	0	1	2-3	26 "
8	3:19	1	13	0	0	1	13	23	1	1	1	2	30 "
9		-	-	-	-	-	-	-	-	-	-		R
10		-	-	-	-	-	-	-	-	-	-		M
11	4:08	2	17	0	0	2	17	37	1	0	1	3	22
12	2:42	2	11	0	0	2	11	31	1	1	1	3	29
13	1:18	2	10	0	0	2	10	30	0	1	1	2	27
14	1:02	2	10	0	0	2	10	30	0	1	0	3	16
15	5:58	0	0	1	2	1	2	12	1	2	1	2-3	8
16	1:41	0	0	1	7	1	7	17	1	1	1	2	15
17	1:12	0	0	1	17	1	17	27	1	2	1	2	19
18	2:42	0	0	1	28	1	28	38	0	2	1	2-3	23
19	1:52	0	0	2	21	2	21	41	2	1	0	3	25
20	2:02	0	0	2	12	2	12	32	1	1	0	2	19
21	1:04	0	0	2	5	2	5	25	1	1	0	3	17
22	0:50	0	0	1	4	1	4	14	3	1	0	3	8
23	2:44	0	0	1	5	1	5	15	0	0	1	2	9
24		-	-	-	-	-	-	-	-	-	-		M
25	0:33	0	0	1	5	1	5	15	1	0	1	2	9
26		-	-	-	-	-	-	-	-	-	-		R
27	0:33	0	0	1	2	1	2	12	1	0	1	3-4	7
28	0:02	0	0	0	0	0	0	0	1	1	0	1-2	8
29	0:18	1	2	0	0	1	2	12	1	1	0	2-3	9
30		-	-	-	-	-	-	-	-	-	-		R
31	0:04	1	2	0	0	1	2	12	2	1	0	3	9
Sum		243		248		491		253				391	
Mean		10.1		10.3		20.5		10.5					

2 3 4 5 6 7 (8) 9 10 11 12 1 2  
 6257 + 311 = 20.1      N 3183 = 10.2      K=0.996.  
 S 3074 = 9.9

Days 26      Sun. Magnitude X67      Projection 15cm



MONTHLY REPORT OF SUNSPOT OBSERVATION

SEPTEMBER 1976 Observer - K.Fujimori Suwa City, Nagano

Date	Time	N		S		Total 10g+f		Facula		Cent.		Seeing	Remarks	
		g	f	g	f	g	f	E	W	g	f			
1	1h22m	2	9	0	0	2	9	29	1	1	0	0	3	17
2	2:42	2	11	0	0	2	11	31	0	1	1	2	3	20
3		-	-	-	-	-	-	-	-	-	-	-		R
4		-	-	-	-	-	-	-	-	-	-	-		R
5	1:32	2	8	0	0	2	8	28	0	0	2	8	3 - 4	17
6	1:07	2	3	0	0	2	3	23	2	0	2	3	2 - 3	10
7	6:03	1	2	0	0	1	2	12	2	1	0	0	2 - 3	9
8	4:02	1	2	0	0	1	2	12	2	2	0	0	2	9
9		-	-	-	-	-	-	-	-	-	-	-		R
10	6:14	1	2	1	11	2	13	33	1	1	1	3	1 - 2	22
11	3:52	0	0	1	22	1	22	32	0	0	1	22	1	24
12		-	-	-	-	-	-	-	-	-	-	-		C
13	2:02	0	0	2	16	2	16	36	0	1	0	0	2	12
14	4:10	0	0	1	5	1	5	15	0	1	0	0	3	10
15	1:13	0	0	1	3	1	3	13	1	2	0	0	2	16
16	3:49	0	0	1	1	1	1	11	1	2	0	0	2	14
17	1:54	0	0	1	3	1	3	13	1	2	0	0	3	8
18	0:03	0	0	1	3	1	3	13	2	1	0	0	4	8
19	0:22	1	1	1	1	2	2	22	1	1	1	1	2	7
20		-	-	-	-	-	-	-	-	-	-	-		C
21	1:56	0	0	0	0	0	0	0	0	0	0	0	2 - 3	0
22	5:17	0	0	0	0	0	0	0	0	0	0	0	2	0
23	2:30	0	0	0	0	0	0	0	0	1	0	0	3	17
24	0:48	0	0	0	0	0	0	0	0	3	0	0	3	7
25	0:03	1	2	0	0	1	2	12	1	1	0	0	3	16
26		-	-	-	-	-	-	-	-	-	-	-		C
27		-	-	-	-	-	-	-	-	-	-	-		C
28		-	-	-	-	-	-	-	-	-	-	-		R
29	1:39	1	2	1	2	2	4	24	2	1	1	2	3	25
30	4:09	2	3	1	2	3	5	35	1	1	1	2	3	31
Sum		205		189				394				143		
Mean		9.3		8.6				17.9				6.5		289

$k=0.734$

Days 22                      8cm Refractor X67 Projection 15cm

3 4 5 6 7 8 (9) 10 11 12 1 2 3

$6486 \div 315 = 20.6$                        $13431 = 10.9$   
 $53055 = 9.7$

MONTHLY REPORT OF SUNSPOT OBSERVATION

OCTOBER 1976 Observer - K. Fujimori Suwa City, Nagano

Date	Time	N		S		Total 10g+f		Facula		Cent.		Seeing		Remark		
		U.	F.	g	f	g	f	g	f	E	W	g	f		5	1
1	4h56m			2	6	1	2	3	8	38	0	0	2	6	2	31
2				-	-	-	-	-	-	-	-	-	-	-		C
3	1:02			2	9	1	4	3	13	43	1	0	1	3	3	30
4	0:32			2	6	1	2	3	8	38	2	3	0	0	2	32
5	2:24			2	4	1	2	3	6	36	1	3	0	0	2	25
6	0:23			2	5	1	2	3	7	37	1	3	0	0	2	24
7	0:42			2	5	1	2	3	7	37	0	4	0	0	2	30
8				-	-	-	-	-	-	-	-	-	-	-		C
9				-	-	-	-	-	-	-	-	-	-	-		R
10	2:00			0	0	0	0	0	0	0	1	1	0	0	2 - 3	0
11	2:24			0	0	0	0	0	0	0	1	0	0	0	1 - 2	0
12	5:11			0	0	2	3	2	3	23	3	1	0	0	3	14
13	0:59			0	0	2	4	2	4	24	2	1	0	0	3	17
14				-	-	-	-	-	-	-	-	-	-	-		R
15	1:04			0	0	2	19	2	19	39	3	1	0	0	2 - 3	27
16	2:41			0	0	2	17	2	17	37	2	0	0	0	2	32
17	3:14			0	0	3	22	3	22	52	2	1	1	1	2 - 3	36
18	1:49			0	0	2	15	2	15	35	1	2	1	3	2	28
19	4:14			0	0	3	12	3	12	42	2	2	1	1	3	21
20				-	-	-	-	-	-	-	-	-	-	-		R
21	0:39			0	0	2	5	2	5	25	3	3	0	0	2 - 3	15
22	0:44			1	4	2	3	3	7	37	1	2	0	0	4	18
23	4:03			2	24	2	3	4	27	67	3	1	2	23	2	34
24	5:11			1	25	1	2	2	27	47	3	2	1	25	3	33
25	0:48			1	27	1	2	2	29	49	3	0	1	27	1	32
26	2:09			1	24	1	2	2	26	46	2	2	0	0	2	30
27	0:54			1	19	1	1	2	20	40	2	2	0	0	2	26
28				-	-	-	-	-	-	-	-	-	-	-		R
29	4:48			1	5	0	0	1	5	15	1	1	0	0	1	17
30	0:14			1	5	0	0	1	5	15	0	1	0	0	2	9
31	0:05			0	0	0	0	0	0	0	1	0	0	0	1	0
Sum				378		444		822					189			561
Mean				15.1		17.8		32.9					7.6			

4 5 6 7 8 9 (10) 11 12 1 2 3 4

k=0.682

$5980 \div 311 = 19.2$        $N3104 = 10.0$   
 $SP2876 = 9.2$

Days 25      8cm Refractor X67 Projection 15cm



MONTHLY REPORT OF SUNSPOT OBSERVATION

DECEMBER 1976 Observer - K. Fujimori Suwa City, Nagano

Date	Time U. T.	N		S		Total 10g+f		Facula		Cent.		Seeing 5 - 1	Re	
		g	f	g	f	g	f	E	W	g	f			
1	0h24m	0	0	0	0	0	0	0	1	1	0	0	2 - 3	0
2	0:02	0	0	0	0	0	0	0	1	1	0	0	3	0
3	5:58	0	0	0	0	0	0	0	0	0	0	0	2	0
4	0:24	0	0	0	0	0	0	0	1	0	0	0	2	0
5	2:29	0	0	0	0	0	0	0	1	1	0	0	2	0
6	1:43	0	0	0	0	0	0	0	4	0	0	0	1 - 2	0
7	1:53	0	0	0	0	0	0	0	3	0	0	0	2	0
8	3:03	2	7	0	0	2	7	27	2	0	1	3	2	20
9	1:52	2	12	0	0	2	12	32	1	0	1	2	2	25
10	1:33	1	19	0	0	1	19	29	1	0	1	19	2	16
11		-	-	-	-	-	-	-	-	-	-	-		M
12	2:00	1	18	0	0	1	18	28	1	1	1	18	2	16
13	1:36	1	14	0	0	1	14	24	1	1	1	14	2	12
14	1:38	1	7	1	4	2	11	31	1	2	2	5	2 - 3	34
15	2:21	2	8	1	16	3	24	54	2	3	1	16	1 - 2	34
16	1:29	2	4	1	7	3	11	41	2	3	0	0	1 - 2	37
17	3:14	2	4	2	8	4	12	52	4	3	0	0	3	34
18	2:43	1	2	2	6	3	8	38	3	3	0	0	2	18
19	1:56	1	2	1	2	2	4	24	0	1	1	2	2 - 3	16
20	0:54	1	3	0	0	1	3	13	0	1	1	3	1 - 2	8
21	1:31	1	4	0	0	1	4	14	0	0	1	4	1 - 2	9
22		-	-	-	-	-	-	-	-	-	-	-		C
23	5:24	1	4	0	0	1	4	14	1	2	0	0	2	9
24		-	-	-	-	-	-	-	-	-	-	-		C
25	6:14	1	2	1	7	2	9	29	1	2	0	0	1 - 2	20
26	4:30	1	2	1	11	2	13	33	1	2	0	0	2	25
27	0:33	0	0	1	11	1	11	21	1	1	0	0	1 - 2	16
28	0:41	0	0	1	14	1	14	24	1	0	0	0	3	16
29	0:23	0	0	1	9	1	9	19	1	0	1	5	2 - 3	19
30	2:53	0	0	1	17	1	17	27	0	0	1	17	3	19
31	0:43	0	0	1	16	1	16	26	1	0	1	16	3	11
Sum		322		278		600				264		416		
Mean		11.5		9.9		21.4				9.4				

6 7 8 9 10 11 (12) 1 2 3 4 5 6       $k=0.693$   
 $6759 \div 309 = 21.9$        $N3427 = 11.1$   
 $5332 = 10.8$

Days 28      8cm Refractor X67 Projection 15cm