

MONTHLY REPORT OF SUNSPOT OBSERVATION
 JANUARY 1974 Observer-K. Fujimori Suwa, Nagano $\left\{ \begin{array}{l} \lambda 138^{\circ} 7' 20'' \\ \phi +36^{\circ} 2' 12'' \end{array} \right.$

Date	Time	N		S		Total		:0<f	Facula		Cent.		Seeing 5-7	Remarks
		g	f	g	f	g	f		E	W	g	f		
1	1 ^h 00 ^m	0	0	0	0	0	0	0	0	0	0	0	3	18
2	2: 37	0	0	1	8	1	8	18	0	0	1	8	4	15
3	3: 00	0	0	1	11	1	11	21	0	0	1	11	2-3	13
4	2: 40	0	0	1	9	1	9	19	1	0	1	9	1-2	12
5	3: 10	0	0	1	2	1	2	12	1	0	0	0	2	8
6	3: 03	0	0	0	0	0	0	0	1	1	0	0	2	0
7	3: 11	0	0	0	0	0	0	0	1	1	0	0	1	0
8	3: 12	1	7	1	2	2	9	29	1	1	1	7	2	29
9	3: 13	1	15	1	2	2	17	37	1	0	1	15	3	36
10	3: 16	2	15	1	3	3	18	48	2	0	1	13	2	44
11	3: 13	2	12	2	9	4	21	61	1	0	1	10	3	49
12	3: 16	2	15	3	16	5	31	81	1	0	2	10	4	60
13	3: 17	1	8	3	16	4	24	64	2	1	1	7	1-2	45
14	3: 16	2	10	4	26	6	36	96	1	1	2	16	3	74
15	2: 38	2	11	5	27	7	38	108	1	1	3	25	3-4	77
16	3: 11	1	3	5	19	6	22	82	1	0	3	10	1-2	64
17	3: 13	1	2	5	19	6	21	81	0	1	3	7	1	65
18	3: 16	1	1	5	23	6	24	84	1	2	4	19	2	52
19	3: 16	1	2	4	15	5	17	67	0	2	3	12	2	58
20	1: 23	2	7	3	18	5	25	75	0	1	4	23	4-5	49
21		-	-	-	-	-	-	-	-	-	-	-	-	5
22	3: 16	1	14	1	4	2	18	38	0	2	0	0	5	36
23	3: 13	1	10	2	7	3	17	47	0	2	0	0	1-2	28
24	3: 12	1	1	1	3	2	4	24	1	2	0	0	1-2	16
25	3: 11	0	0	0	0	0	0	0	1	1	0	0	2	0
26	3: 12	0	0	0	0	0	0	0	0	1	0	0	2	8
27	2: 33	0	0	0	0	0	0	0	1	0	0	0	2	0
28	3: 10	0	0	0	0	0	0	0	0	0	0	0	1-2	8
29	3: 10	0	0	0	0	0	0	0	1	0	0	0	3	7
30	3: 09	0	0	0	0	0	0	0	1	0	0	0	2	0
31	3: 11	0	0	1	3	1	3	13	1	0	1	3	2	0
Sum		353		752		1105					535			871
Mean		11.8		25.1		35.8		36.8			17.8			

Days 30 8^{cm} Refractor $\times 17$ Projection 15^{cm}

7 8 9 10 11 12 ① 2 3 4 5 6 7 $k=0.958$
 $10.894 \div 2500 = 43.6$ $N3768 = 15.1$
 $57126 = 28.5$

MONTHLY REPORT OF SUNSPOT OBSERVATION

FEBRUARY 1974 Observer-K. Fujimori Suwa, Nagano

λ 13872
φ +36'21"

Date	Time		N		S		Total		10g+f	Facula		Cent.		Seeing 5-1	Remarks
	U	T	g	f	g	f	g	f		E	W	g	f		
1	3 ^h	11 ^m	0	0	0	0	0	0	0	1	1	0	0	2	13
2	3=	10	0	0	0	0	0	0	0	0	1	0	0	2-3	12
3	3=	35	0	0	1	2	1	2	12	1	2	1	2	3	8
4	3=	12	0	0	0	0	0	0	0	1	0	0	0	2	7
5			-	-	-	-	-	-	-	-	-	-	-		S
6			-	-	-	-	-	-	-	-	-	-	-		M
7			-	-	-	-	-	-	-	-	-	-	-		C-S
8	3=	16	1	3	0	0	1	3	13	3	1	0	0	2-3	16
9	3=	15	1	2	1	7	2	9	29	2	1	0	0	2	22
10	1=	50	1	4	1	8	2	12	32	2	1	0	0	4-5	21
11	4=	10	1	1	1	8	2	9	29	1	0	1	1	2	21
12	3=	16	0	0	1	8	1	8	18	0	0	1	5	1~2	36
13	3=	26	1	1	3	11	4	12	52	1	0	2	9	2	50
14	3=	14	0	0	3	8	3	8	38	1	1	2	6	2	26
15			-	-	-	-	-	-	-	-	-	-	-		M
16	3=	06	0	0	4	27	4	27	67	0	1	2	15	4-5	48
17			-	-	-	-	-	-	-	-	-	-	-		C
18	3=	12	0	0	4	35	4	35	75	5	1	2	27	4	46
19	3=	12	0	0	3	36	3	36	66	0	1	2	31	2	45
20			-	-	-	-	-	-	-	-	-	-	-		C
21			-	-	-	-	-	-	-	-	-	-	-		M
22	3=	14	0	0	3	24	3	24	54	1	2	0	0	5	45
23			-	-	-	-	-	-	-	-	-	-	-		C
24			-	-	-	-	-	-	-	-	-	-	-		C
25			-	-	-	-	-	-	-	-	-	-	-		S
26	3=	14	2	6	0	0	2	8	26	1	0	1	3	4	20
27	3=	15	3	11	0	0	3	11	41	2	0	1	2	2	42
28	3=	13	3	13	0	0	3	13	43	1	0	2	7	2	35
Sum			171		424		595					278			513
Mean			9.5		23.6		33.1	33.1				15.4			k=0.862

Days 18 8^{cm} Refractor x67 projection 15^{cm}

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

$11.706 \div 2592 = 45.2$ $N 3740 = 14.4$
 $S 7966 = 30.8$

MONTHLY REPORT OF SUNSPOT OBSERVATION
 MARCH 1974 Observer-K. Fujimori Suwa, Nagano $\left\{ \begin{array}{l} \lambda 138^{\circ} 7' 20'' \\ \varphi +36^{\circ} 2' 12'' \end{array} \right.$

Date	Time		N		S		Total		log f	Facula		Cent.		Seeing 5-1	Remarks
	U	T	g	f	g	f	g	f		E	w	g	f		
1	3	11 ^m	3	9	0	0	3	9	39	0	0	2	4	5	25
2	3	10	1	3	0	0	1	3	13	0	0	1	3	3	16
3	3	20	0	0	0	0	0	0	0	0	0	0	0	2	16
4			-	-	-	-	-	-	-	-	-	-	-	-	C
5	3	11	1	4	0	0	1	4	14	1	1	0	0	3	18
6			-	-	-	-	-	-	-	-	-	-	-	-	R
7			-	-	-	-	-	-	-	-	-	-	-	-	R
8			-	-	-	-	-	-	-	-	-	-	-	-	M
9			-	-	-	-	-	-	-	-	-	-	-	-	C
10	3	58	2	10	0	0	2	10	30	1	0	2	10	2-3	30
11	3	18	2	18	1	1	3	19	49	1	0	2	18	1-2	37
12	3	16	2	13	2	5	4	18	58	1	0	2	13	2	38
13	3	14	1	6	2	4	3	10	40	1	0	0	0	2	30
14	3	13	1	4	2	5	3	9	39	2	2	0	0	3	42
15	3	12	1	3	2	3	3	6	36	1	1	1	2	2	37
16			-	-	-	-	-	-	-	-	-	-	-	-	C
17	3	08	0	0	2	7	2	7	27	0	3	1	6	2-3	20
18	3	48	0	0	2	6	2	6	26	1	0	2	6	4-5	32
19	3	30	0	0	3	7	3	7	37	1	0	2	5	2	20
20	3	13	0	0	1	3	1	3	13	1	1	0	0	2	9
21			-	-	-	-	-	-	-	-	-	-	-	-	C
22			-	-	-	-	-	-	-	-	-	-	-	-	C
23	3	27	1	7	1	2	2	9	29	0	1	1	2	1-2	27
24	3	20	1	7	1	2	2	9	29	0	2	1	2	2	21
25			-	-	-	-	-	-	-	-	-	-	-	-	C
26			-	-	-	-	-	-	-	-	-	-	-	-	C
27			-	-	-	-	-	-	-	-	-	-	-	-	S
28	3	10	1	3	1	2	2	5	25	0	0	1	1	5	17
29	2	50	1	7	1	2	2	9	29	0	0	1	0	5	19
30			-	-	-	-	-	-	-	-	-	-	-	-	C
31			-	-	-	-	-	-	-	-	-	-	-	-	C
Sum			274		259		533					252			454
Mean			15.2		14.4		29.6	29.6				17.0			

Days 18 8^{cm} Refractor $\times 37$ Projection 15^{cm}
 9 10 11 12 1 2 ③ 4 5 6 7 8 9
 $11,905 \div 2512 = 47.4$
 $k=0.852$
 $N 3709 = 14.8$
 $S 8196 = 32.7$

MONTHLY REPORT OF SUNSPOT OBSERVATION
 APRIL 1974 Observer-K. Fujimori Suwa, Nagano $\left\{ \begin{array}{l} \lambda 138^{\circ} 7' 20'' \\ \phi +36^{\circ} 2' 12'' \end{array} \right.$

Date	Time		N		S		Total		10g _f	Facula		Cent.		Seeing 5-1	Remarks
	U	T	g	f	g	f	g	f		E	W	g	f		
1			-	-	-	-	-	-	-	-	-	-	-		C
2	3 ^h	32 ^m	1	2	0	0	1	2	12	0	0	0	2		
3	3=	11	1	5	1	3	2	8	28	0	1	1	3	2-3	
4	3=	12	1	5	1	3	2	8	28	1	0	2	8	5	
5	3=	13	1	2	0	0	1	2	12	1	0	1	2	2	
6	3=	12	1	15	0	0	1	15	25	1	0	1	15	2	
7			-	-	-	-	-	-	-	-	-	-	-		M
8			-	-	-	-	-	-	-	-	-	-	-		R
9			-	-	-	-	-	-	-	-	-	-	-		R-C
10	3=	14	0	0	3	59	3	59	89	1	1	2	57	2	
11	3=	16	0	0	3	71	3	71	101	1	1	3	62	2	肉眼黒点=1
12	3=	20	0	0	3	75	3	75	105	1	1	2	63	2	"=1
13			-	-	-	-	-	-	-	-	-	-	-		M
14			-	-	-	-	-	-	-	-	-	-	-		R
15	3=	30	0	0	3	116	3	116	146	1	3	0	0	4	
16			-	-	-	-	-	-	-	-	-	-	-		R
17	3=	16	0	0	5	54	5	54	104	1	3	2	5	2-3	
18	3=	12	1	2	4	24	5	26	76	0	1	2	3	2	
19	3=	11	0	0	3	21	3	21	51	-	-	1	2	1	
20	3=	10	1	2	3	21	4	23	63	0	1	1	1	3	
21			-	-	-	-	-	-	-	-	-	-	-		R
22			-	-	-	-	-	-	-	-	-	-	-		C
23			-	-	-	-	-	-	-	-	-	-	-		M
24	3=	09	0	0	1	8	1	8	18	0	1	1	8	5	
25	3=	08	0	0	1	18	1	18	28	0	0	1	18	4	
26	3=	12	0	0	1	19	1	19	29	1	0	1	19	4	
27	3=	11	0	0	1	14	1	14	24	1	0	1	14	2	
28			-	-	-	-	-	-	-	-	-	-	-		C
29	3=	50	0	0	1	2	1	2	12	1	0	0	0	2	
30			-	-	-	-	-	-	-	-	-	-	-		M
Sum				103		848		951					500		
Mean				5.7		47.1		52.8					27.8		

Days 18 8^{cm} Refractor x67 projection 15^{cm}

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

$11.205 \div 2480 = 45.2$

$N3327 = 13.4$
 $S7878 = 31.8$

MONTHLY REPORT OF SUNSPOT OBSERVATION

MAY 1974 Observer - K. Fujimori Suwa, Nagano $\lambda 138^{\circ}7'20''$
 $\phi +36^{\circ}2'12''$

Date	Time		N		S		Total		10g+f	Facula		Cent.		Seeing	Remarks	
	U	T	g	f	g	f	g	f		E	W	g	f			
1	3 ^h	28 ^m	0	0	3	11	3	11	41	1	1	0	0	2-3		48
2	4	21	1	9	3	27	4	36	76	1	1	0	0	2		70
3	3	33	2	8	5	43	7	51	121	1	1	3	5	2		89
4			-	-	-	-	-	-	-	-	-	-	-		M	
5			-	-	-	-	-	-	-	-	-	-	-		M	
6	3	20	1	5	6	62	7	67	137	0	1	5	59	2		113
7	3	28	2	2	6	79	8	81	161	1	1	5	78	2		109
8	3	18	0	0	7	79	7	79	149	2	1	4	69	3		106
9			-	-	-	-	-	-	-	-	-	-	-		R	
10	3	20	0	0	7	42	7	42	112	1	1	4	15	2		69
11	0	00	0	0	5	22	5	22	72	0	1	1	2	2		64
12			-	-	-	-	-	-	-	-	-	-	-		M	
13	3	38	0	0	2	6	2	6	26	0	1	1	2	3		40
14	3	26	0	0	3	7	3	7	37	0	1	2	2	3		35
15			-	-	-	-	-	-	-	-	-	-	-		R	
16			-	-	-	-	-	-	-	-	-	-	-		M	
17			-	-	-	-	-	-	-	-	-	-	-		M	
18			-	-	-	-	-	-	-	-	-	-	-		M	
19	3	20	0	0	0	0	0	0	0	0	1	0	0	4		0
20			-	-	-	-	-	-	-	-	-	-	-		C	
21			-	-	-	-	-	-	-	-	-	-	-		C	
22			-	-	-	-	-	-	-	-	-	-	-		R	
23	3	10	0	0	1	5	1	5	15	1	0	1	5	2		9
24	3	11	0	0	0	0	0	0	0	0	0	0	0	4		7
25	3	13	0	0	0	0	0	0	0	0	0	0	0	4		0
26			-	-	-	-	-	-	-	-	-	-	-		M	
27	3	14	0	0	1	15	1	15	25	1	2	0	0	2		18
28	3	16	1	1	1	18	2	19	39	1	1	0	0	2		32
29	3	15	0	0	1	10	1	10	20	2	2	0	0	3		20
30			-	-	-	-	-	-	-	-	-	-	-		C	
31			-	-	-	-	-	-	-	-	-	-	-		C	
Sum				95		936		1,031					497			529
Mean				5.6		55.1		60.7		60.7			29.2			

Days 17 8" Refractor x67 projection 15cm

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

$$11.093 \div 255 = 43.5$$

$$N3575 = 140$$

$$S9518 = 29.5$$

$$k = 0.804$$

MONTHLY REPORT OF SUNSPOT OBSERVATION
 JUNE 1974 Observer-K. Fujimori Suwa, Nagano (N 38° 7' 20" E 136° 2' 12")

Date	Time	N		S		Total		Facula		Cont.		Remarks	
		+	-	+	-	+	-	E	W	+	-		
1	3 ^h 20 ^m	0	0	1	16	1	16	26	1	0	0	2	
2	3 = 56	0	0	2	32	2	32	58	1	0	1	5	
3	3 = 20	0	0	2	39	2	39	59	1	0	1	4	
4		-	-	-	-	-	-	-	-	-	-	-	C
5		-	-	-	-	-	-	-	-	-	-	-	R
6	8 = 12	1	10	3	28	4	38	78	0	1	2	3	
7	3 = 13	1	11	3	25	4	36	76	0	1	3	4	
8	0 = 16	2	16	2	29	4	45	85	1	1	3	4-5	
9	3 = 08	2	27	2	16	4	43	83	1	1	2	2-3	
10	1 = 20	2	27	3	13	5	40	90	1	1	1	3	
11		-	-	-	-	-	-	-	-	-	-	-	C
12	3 = 11	1	20	0	0	1	20	30	0	1	1	1	
13	3 = 14	2	33	1	2	3	35	65	1	2	1	3-4	
14		-	-	-	-	-	-	-	-	-	-	-	C
15	3 = 12	1	10	2	10	3	20	50	1	0	2	3	
16	0 = 18	1	9	1	4	2	13	33	1	0	1	2	
17	3 = 11	1	2	1	6	2	8	28	-	-	1	5 1~2	
18		-	-	-	-	-	-	-	-	-	-	-	R
19	3 = 13	1	1	1	8	2	9	29	1	1	1	4	
20	3 = 13	0	0	1	10	1	10	20	1	1	1	2	
21		-	-	-	-	-	-	-	-	-	-	-	R
22	3 = 14	0	0	1	6	1	6	16	0	0	0	2	
23	2 = 50	0	0	1	7	1	3	13	1	1	0	2	
24	3 = 12	0	0	0	0	0	0	0	1	1	0	2	
25		-	-	-	-	-	-	-	-	-	-	-	M
26	3 = 12	0	0	1	2	1	2	12	1	1	0	2-3	
27		-	-	-	-	-	-	-	-	-	-	-	C
28		-	-	-	-	-	-	-	-	-	-	-	C
29	3 = 14	0	0	3	16	3	16	46	2	1	0	3	
30		-	-	-	-	-	-	-	-	-	-	-	R
Sum		315		581		897				432			
Mean		15.8		29.1		44.9		44.9		21.6			

Days 20 8^{cm} Refractor x67 projection 15^{cm}

12 1 2 3 4 5 ⑥ 7 8 9 10 11 12
 N 3725 = 14.5
 10.839 ÷ 257 = 42.2
 S 7114 = 27.9

MONTHLY REPORT OF SUNSPOT OBSERVATION

JULY 1974 Observer - K. Fujimori Suwa, Nagano λ 138° 7' 20"
φ +36° 2' 12"

Date	Time	N		S		Total		1067	Facula		Cent.		Seeing 5-1	Remarks
		g	f	g	f	g	f		E	W	E	f		
1		-	-	-	-	-	-	-	-	-	-	-		R
2		-	-	-	-	-	-	-	-	-	-	-		R
3		-	-	-	-	-	-	-	-	-	-	-		R
4	3 ^h 20 ^m	0	0	3	105	3	105	135	0	1	2	85	3	肉眼黒点 = 98
5		-	-	-	-	-	-	-	-	-	-	-		R
6		-	-	-	-	-	-	-	-	-	-	-		R
7		-	-	-	-	-	-	-	-	-	-	-		R
8	3 = 14	0	0	4	43	4	43	83	0	1	0	0	3	63
9		-	-	-	-	-	-	-	-	-	-	-		R
10		-	-	-	-	-	-	-	-	-	-	-		R
11		-	-	-	-	-	-	-	-	-	-	-		R
12		-	-	-	-	-	-	-	-	-	-	-		M
13	7 = 34	0	-	1	-	1	-	-	-	-	1	-	1	C
14		-	-	-	-	-	-	-	-	-	-	-		C-R
15		-	-	-	-	-	-	-	-	-	-	-		R
16		-	-	-	-	-	-	-	-	-	-	-		C-R
17	3 = 10	0	-	3	-	3	-	-	-	-	1	-	1	C-R
18		-	-	-	-	-	-	-	-	-	-	-		C-R
19		-	-	-	-	-	-	-	-	-	-	-		C-R
20	3 = 13	0	0	4	29	4	29	69	1	1	1	10	2-3	50
21	3 = 30	0	0	4	21	4	21	61	1	2	1	7	3	55
22	3 = 15	0	0	5	28	5	28	78	1	1	1	3	2-3	61
23	3 = 13	0	0	3	29	3	29	59	1	2	1	22	2	64
24		-	-	-	-	-	-	-	-	-	-	-		C
25		-	-	-	-	-	-	-	-	-	-	-		C
26	3 = 16	0	0	5	34	5	34	84	1	1	3	25	3	67
27	3 = 20	0	0	4	34	4	34	74	1	1	1	21	2	60
28		-	-	-	-	-	-	-	-	-	-	-		C
29	3 = 13	0	0	3	17	3	17	47	1	1	1	5	3	42
30	3 = 12	0	0	3	25	3	25	55	0	2	2	17	2-3	41
31	3 = 13	0	0	3	15	3	15	45	1	1	2	13	2	38
Sum			0		790		790					358		639
Mean			0.0		71.8		71.8	71.8				32.5		

Days 11 8cm Refractor x67 projection 15cm

1 2 3 4 5 6 ⑦ 8 9 10 11 12 1 k = 0.809

$10.780 \div 2578 = 41.9$ N 4034 = 16.7
S 6746 = 26.2

MONTHLY REPORT OF SUNSPOT OBSERVATION
 AUGUST 1974 Observer - K. Fujimori Suwa, Nagano (A138°7'20" P+36°2'12")

Date	Time		N		S		Total		10gts	Facula		Cent.		Spots 5-1	Remarks
	U	T	g	f	g	f	g	f		E	W	g	f		
1	3 ^h	14 ^m	0	0	2	20	2	20	40	1	1	1	2	2-3	37
2	3:	14	0	0	2	22	2	22	42	1	2	0	0	3	23
3	3:	18	0	0	1	7	1	7	17	1	1	0	0	3	12
4	1:	10	0	0	1	2	1	2	12	0	1	0	0	3	17
5	2:	22	0	0	2	4	2	4	24	1	1	0	0	2-3	18
6	3:	11	0	0	2	10	2	10	30	1	1	0	0	4	26
7	3:	20	0	0	3	13	3	13	43	2	0	0	0	3	32
8	3:	18	0	0	3	16	3	16	46	2	0	0	0	2-3	34
9	3:	16	0	0	3	15	3	15	45	1	0	2	9	2	45
10	3:	13	1	2	4	17	5	19	69	1	0	2	14	4-5	51
11	3:	32	1	2	4	27	5	29	79	1	1	2	9	5	60
12			-	-	-	-	-	-	-	-	-	-	-	-	C-R
13	3:	16	2	5	5	29	7	34	104	0	1	6	31	3	69
14	3:	00	1	2	6	31	7	33	103	1	1	3	20	3	66
15	2:	20	1	2	5	17	6	19	79	1	1	2	11	2	59
16	2:	46	1	14	6	12	7	26	96	1	2	1	14	3	57
17			-	-	-	-	-	-	-	-	-	-	-	-	C
18	1:	52	1	12	3	14	4	26	66	1	3	1	2	3	44
19	3:	16	1	9	3	8	4	17	57	2	3	1	2	2-3	43
20	3:	13	1	2	3	6	4	8	48	3	1	2	4	3	32
21	3:	11	0	0	3	7	3	7	37	-	-	2	4	1	28
22	3:	14	0	0	3	16	3	16	46	1	0	0	0	2-3	34
23	3:	16	0	0	3	21	3	21	51	1	1	1	5	2	34
24	3:	20	0	0	3	18	3	18	48	0	1	1	8	3	28
25			-	-	-	-	-	-	-	-	-	-	-	-	M
26			-	-	-	-	-	-	-	-	-	-	-	-	R
27			-	-	-	-	-	-	-	-	-	-	-	-	R
28	3:	11	0	0	1	2	1	2	12	0	1	0	0	4-5	8
29	3:	12	1	2	1	2	2	4	24	0	1	1	2	3	14
30	3:	12	0	0	1	2	1	2	12	0	3	0	0	4	8
31			-	-	-	-	-	-	-	-	-	-	-	-	C
Sum				162		1068		1230					417		869
Mean				6.5		42.7		49.2	49.2				16.7		

Days 25 8^{cm} Refractor x67 projection 15^{cm}

2 3 4 5 6 7 8 9 10 11 12 1 2 k=0.707

9.933 ÷ 2458 = 40.5
 N 3831 = 15.6
 S 6102 = 24.9

MONTHLY REPORT OF SUNSPOT OBSERVATION
 SEPTEMBER 1974 Observer-K. Fujimori Suwa, Nagano ($\lambda 138^{\circ}7'20''$
 $\varphi +36^{\circ}2'12''$)

Date	Time		N		S		Total		10g+f	Facula		Cent.		Seeing	Remarks
	U	T	+	-	+	-	+	-		E	W	+	-		
1			-	-	-	-	-	-	-	-	-	-	-		R
2	3 ^h	23 ^m	0	0	1	2	1	2	12	2	0	0	0	3	
3	3:	14	0	0	2	4	2	4	24	2	0	0	0	4	
4			-	-	-	-	-	-	-	-	-	-	-		M
5	3:	16	1	1	4	10	5	11	61	3	0	3	7	2-3	
6	3:	18	1	2	5	9	6	11	71	2	0	4	7	2	
7			-	-	-	-	-	-	-	-	-	-	-		M
8			-	-	-	-	-	-	-	-	-	-	-		M
9			-	-	-	-	-	-	-	-	-	-	-		M
10	3:	18	2	21	5	13	7	34	104	2	0	2	4	4	
11	3:	16	2	28	5	16	7	44	114	2	2	1	3	1-2	
12	3:	20	2	31	4	15	6	46	106	1	3	0	0	4	肉眼黒点=1
13	3:	20	2	33	3	25	5	58	108	0	3	2	33	4	" = 1
14	3:	21	1	39	3	17	4	56	96	0	2	2	52	2	" = 1
15			-	-	-	-	-	-	-	-	-	-	-		C
16	3:	30	2	43	2	9	4	52	92	1	0	3	50	1-2	肉眼黒点=1
17			-	-	-	-	-	-	-	-	-	-	-		C
18	3:	18	3	36	2	3	5	39	89	1	1	0	0	1-2	肉眼黒点=1
19			-	-	-	-	-	-	-	-	-	-	-		M
20	3:	13	2	17	0	0	2	17	37	0	2	1	3	3	
21	3:	40	1	13	0	0	1	3	23	0	2	0	0	3	
22			-	-	-	-	-	-	-	-	-	-	-		M
23			-	-	-	-	-	-	-	-	-	-	-		C
24			-	-	-	-	-	-	-	-	-	-	-		R
25			-	-	-	-	-	-	-	-	-	-	-		M
26	3:	13	1	10	0	0	1	10	20	1	0	1	10	2-3	
27			-	-	-	-	-	-	-	-	-	-	-		C
28	3:	13	2	7	0	0	2	7	27	1	0	0	0	2	
29	5:	40	1	3	1	11	2	14	34	3	1	0	0	1-2	
30	4:	00	1	6	3	28	4	34	74	4	1	1	7	2	
Sum				530		532		1092					376		
Mean				31.2		33.1		64.2	64.2				22.1		

Days 17 $8^{\circ m}$ Refractor x67 projection 15°

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

$9670 \div 253 = 38.2$ $N 3755 = 14.8$
 $S 5915 = 23.4$

MONTHLY REPORT OF SUNSPOT OBSERVATION
 OCTOBER 1974 Observer. K. Fujimori Suwa, Nagano $\left\{ \begin{array}{l} \lambda 138^{\circ} 7' 20'' \\ \phi +36^{\circ} 2' 12'' \end{array} \right.$

Date	Time		N		S		Total		103f	Facula		Cent.		Seeing 5-1	Remarks
	U	T	g	f	g	f	g	f		E	w	g	f		
1			-	-	-	-	-	-	-	-	-	-	-		C
2			-	-	-	-	-	-	-	-	-	-	-		C
3			-	-	-	-	-	-	-	-	-	-	-		C
4	3:20		2	10	3	17	5	27	77	2	1	2	17	3	60
5	3:50		3	11	3	21	6	32	92	3	1	2	14	2	85
6			-	-	-	-	-	-	-	-	-	-	-		M
7	3:40		4	42	3	22	7	64	134	2	1	0	0	2-3	81
8			-	-	-	-	-	-	-	-	-	-	-		R
9			-	-	-	-	-	-	-	-	-	-	-		C
10			-	-	-	-	-	-	-	-	-	-	-		M
11	3:20		3	105	1	29	4	134	174	1	0	3	105	2	110
12			-	-	-	-	-	-	-	-	-	-	-		R
13			-	-	-	-	-	-	-	-	-	-	-		C
14	3:22		1	75	1	7	2	82	102	0	2	1	47	1-2	63
15			-	-	-	-	-	-	-	-	-	-	-		C
16	3:16		1	41	0	0	1	41	51	0	2	0	0	2-3	41
17	3:15		1	30	0	0	1	30	40	2	2	0	0	3	28
18			-	-	-	-	-	-	-	-	-	-	-		C
19			-	-	-	-	-	-	-	-	-	-	-		R
20	3:11		1	7	0	0	1	7	17	0	1	0	0	3	11
21	3:13		1	8	0	0	1	8	18	0	2	0	0	2	12
22			-	-	-	-	-	-	-	-	-	-	-		R
23	3:12		0	0	1	1	1	1	11	0	1	0	0	2	7
24	3:12		0	0	1	2	1	2	12	1	1	1	2	3	7
25	3:13		0	0	1	2	1	2	12	1	0	0	0	2	8
26	3:14		0	0	2	6	2	6	26	2	0	0	0	3	16
27			-	-	-	-	-	-	-	-	-	-	-		R
28	3:14		0	0	2	8	2	8	28	1	0	1	3	2	27
29	3:16		0	0	2	5	2	5	25	1	0	2	5	2	22
30			-	-	-	-	-	-	-	-	-	-	-		M
31			-	-	-	-	-	-	-	-	-	-	-		C
Sum			499		320		819					313			578
Mean			33.3		21.3		54.6	54.6				20.9			

Days 15 8^{cm} Refractor x57 projection 15^{cm}

4 5 6 7 8 9 (10) 11 12 1 2 3 4 $k=0.706$
 $9.191 \div 250A = 36.8$ $N3535 = 14/1$
 $S5656 = 22.6$

MONTHLY REPORT OF SUNSPOT OBSERVATION
 NOVEMBER 1974 Observer. K. Fujimori Suwa, Nagano { $\lambda 138^{\circ} 7' 20''$
 $\phi + 36^{\circ} 2' 12''$ }

Date	Time		N		S		Total		log f	Facula		Cent.		Seeing s - l	Remarks
	U	T	g	f	g	f	g	f		E	W	g	f		
1	3 ^h	12 ^m	1	2	1	3	2	5	25	2	0	1	3	1~2	16
2	3:	12	2	4	1	2	3	6	36	1	0	1	1	2	17
3	2:	00	2	12	1	2	3	14	44	1	1	0	0	2	39
4			-	-	-	-	-	-	-	-	-	-	-		M
5	3:	14	1	13	1	3	2	16	36	0	1	1	10	2	34
6	3:	16	2	12	0	0	2	12	32	1	2	2	12	3	22
7	3:	12	2	10	0	0	2	10	30	1	1	2	10	2-3	26
8	3:	12	1	3	0	0	1	3	13	1	1	1	3	3	14
9			-	-	-	-	-	-	-	-	-	-	-		C
10			-	-	-	-	-	-	-	-	-	-	-		M
11	3:	45	0	0	0	0	0	0	0	0	1	0	0	1~2	24
12			-	-	-	-	-	-	-	-	-	-	-		M
13	3:	16	1	6	0	0	1	6	16	0	1	1	6	2	15
14	3:	27	1	1	0	0	1	1	11	0	1	1	1	2	7
15			-	-	-	-	-	-	-	-	-	-	-		M
16	3:	10	1	8	0	0	1	8	18	1	0	0	0	2	20
17			-	-	-	-	-	-	-	-	-	-	-		R
18	3:	30	1	16	0	0	1	16	26	1	1	0	0	2	18
19	3:	13	2	20	0	0	2	20	40	1	0	1	2	2-3	肉眼黒点 = 34
20			-	-	-	-	-	-	-	-	-	-	-		C
21	3:	20	3	25	0	0	3	25	55	1	0	2	20	2	肉眼黒点 = 37
22	3:	20	3	21	0	0	3	21	51	2	0	2	20	1~2	" = 39
23	3:	18	3	30	0	0	3	30	60	1	0	3	28	2-3	" = 146
24	3:	20	3	21	0	0	3	21	51	1	0	3	17	3	" = 133
25	2:	50	3	15	0	0	3	15	45	1	1	2	13	3	28
26	3:	12	1	2	0	0	1	2	12	0	1	0	0	2-3	27
27	3:	14	2	9	0	0	2	9	29	0	2	1	7	2	27
28	3:	13	2	9	0	0	2	9	29	0	2	2	9	3	10
29	3:	13	1	3	0	0	1	3	13	0	1	0	0	1-2	7
30	3:	10	1	2	0	0	1	2	12	3	1	0	0	3	7
Sum			634		50		684				422				547
Mean			27.6		2.2		28.7		28.7		18.3				

Days 23 8^{cm} Refractor x57 Projection 15^{cm}

k=0.800

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

$8.386 \div 251.8 = 33.4$

$N3455 = 13.8$

$54931 = 19.6$

MONTHLY REPORT OF SUNSPOT OBSERVATION

DECEMBER 1974 Observer: K. Fujimori Suwa, Nagano λ 138° 7' 20"
φ +36° 2' 12"

Date	Time		N		S		Total		Facula		Cent.		Seeing	Remarks	
	U	T	g	f	g	f	g	f	g	f	g	f	5-1		
1	1 ^h	43 ^m	0	0	0	0	0	0	0	1	1	0	0	3	0
2			-	-	-	-	-	-	-	-	-	-	-	-	R
3			-	-	-	-	-	-	-	-	-	-	-	-	C
4	3	13	0	0	0	0	0	0	0	1	0	0	0	2	16
5	3	14	1	4	0	0	1	4	14	0	1	1	4	3	17
6	3	13	1	3	0	0	1	3	13	0	0	1	3	1-2	8
7	3	13	0	0	0	0	0	0	0	0	0	0	0	1	7
8	1	24	0	0	0	0	0	0	0	0	0	0	0	2-3	0
9	3	14	0	0	0	0	0	0	0	1	2	0	0	2	0
10			-	-	-	-	-	-	-	-	-	-	-	-	R
11			-	-	-	-	-	-	-	-	-	-	-	-	C
12	3	17	2	22	0	0	2	22	42	1	0	1	20	2	31
13			-	-	-	-	-	-	-	-	-	-	-	-	C
14	3	16	2	19	0	0	2	19	39	1	0	1	17	2	33
15	4	00	2	21	0	0	2	21	41	1	0	1	14	3	33
16	3	16	2	27	0	0	2	27	47	1	1	1	2	3	41
17	3	18	2	14	0	0	2	14	34	1	1	1	4	2	36
18			-	-	-	-	-	-	-	-	-	-	-	-	S-R
19	3	18	3	11	1	2	4	10	53	1	1	2	6	1-2	40
20	3	16	3	14	1	2	4	16	56	1	1	2	5	2	40
21	3	18	3	9	0	0	3	9	34	0	1	1	3	3	46
22			-	-	-	-	-	-	-	-	-	-	-	-	M
23	3	13	3	11	0	0	3	11	41	1	1	2	9	2	28
24			-	-	-	-	-	-	-	-	-	-	-	-	R
25	3	11	1	5	0	0	1	5	15	0	1	1	5	2	9
26	3	14	1	3	0	0	1	3	13	1	2	0	0	1-2	8
27	3	13	1	2	0	0	1	2	12	1	1	0	0	2	8
28			-	-	-	-	-	-	-	-	-	-	-	-	C
29			-	-	-	-	-	-	-	-	-	-	-	-	S
30	4	20	1	2	1	5	2	7	27	1	1	0	0	1	17
31	2	46	0	0	1	9	1	9	19	1	1	0	0	2	10
Sum				447		58		505					242		428
Mean				21.3		2.8		24.0	24.0				11.5		

Days 21 8^{cm} Refractor x57 Projection 15^{cm}

k=0.846

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

7576 ÷ 2518 = 30.2

N3486=13.9

S4090=16.3