

MONTHLY REPORT OF SUNSPOT OBSERVATION

JANUARY 1965 Observer - K. Fujimori Address - Suwa Nagano

Date	Time		N		S		Total		10g+	Facula		C. C. Z.		Seeing 5-1	Remarks
	J.	S.	g	+	g	+	g	+		E	W	g	+		
1															33
2	10	^h 10 ^m	1	29	0	0	1	29	39	1	0	0	0	2-3	35
3	13	3	1	11	0	0	1	11	21	1	0	0	0	1	42
4	13	50	2	14	0	0	2	14	34	1	1	0	0	2	27
5	12	15	2	11	0	0	2	11	31	1	1	0	0	3	29
6	12	50	1	10	0	0	1	10	20	1	1	0	0	3-4	17
7	12	12	1	6	0	0	1	6	16	1	0	0	0	2	15
8															-
9	12	28	1	6	0	0	1	6	16	1	0	1	6	1-2	25
10	12	40	1	3	0	0	1	3	13	1	0	1	3	3	11
11															
12	12	11	0	0	0	0	0	0	0	0	1	0	0	2-3	0
13	12	10	0	0	0	0	0	0	0	0	1	0	0	3	0
14															
15	11	30	1	2	0	0	1	2	12	0	1	0	0	4-5	12
16	13	55	1	2	0	0	1	2	12	1	1	1	2	1	12
17	12	40	1	1	0	0	1	1	11	1	0	1	1	3	11
18	12	15	1	9	0	0	1	9	19	1	0	0	0	3	28
19															
20	12	30	1	8	0	0	1	8	18	1	0	0	0	3	27
21															
22	12	15	2	3	0	0	2	3	23	0	1	0	0	3	35
23	12	17	2	5	0	0	2	5	25	1	0	0	0	2	26
24	12	47	2	9	0	0	2	9	29	1	0	0	0	3	29
25	12	17	2	13	0	0	2	13	33	1	0	0	0	3-4	27
26	12	16	2	7	0	0	2	7	27	0	1	0	0	2	27
27															
28	12	14	2	8	0	0	2	8	28	0	1	2	8	4	38
29															
30	12	20	3	15	0	0	3	15	45	2	1	1	4	3	43
31	12	15	1	8	0	0	1	8	18	2	0	0	0	2	41
Sum				490		0		490					94		555 (398.6)
Mean				21.3		0		21.3	21.3				4.1		K=0.82

Days 23^d Instrument $\begin{cases} 100^{mm} \\ 80^{mm} \end{cases}$ Reflector x56 Direct Vision
 Refractor x48 Projection
 7 8 9 10 11 12 ① 2 3 4 5 6 7
 $3437 \div 243 = 14.1$ $N3009 = 12.4$
 $S 428 = 2.8$

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MONTHLY REPORT OF SUNSPOT OBSERVATION

FEBRUARY 1965 Observer-K. Fujimori Address - Suwa Nagano

Date	Time		N		S		Total		Dgtf	Facula		c. c. z.		Seeing s-1	Remarks
	J.	S. T	+	-	+	-	+	-		E	W	+	-		
1	12	30 ^m	1	10	0	0	1	10	20	2	1	0	0	3-4	18
2															
3															
4	12	11	1	8	0	0	1	8	18	0	0	1	8	3	23
5															
6															
7	12	5	2	4	0	0	2	4	24	1	0	0	0	1-2	38
8	12	13	2	4	0	0	2	4	24	1	1	0	0	3	24
9															
10	12	32	2	5	0	0	2	5	25	1	1	0	0	3	24
11	13	13	2	4	0	0	2	4	24	1	1	0	0	3	—
12	12	16	2	6	0	0	2	6	26	1	1	1	4	4	24
13	12	11	2	5	0	0	2	5	25	0	0	1	3	4	24
14	14	43	2	5	0	0	2	5	25	0	0	0	0	2	25
15	11	45	2	5	0	0	2	5	25	0	0	0	0	2	25
16															
17															
18	12	15	1	2	0	0	1	2	12	0	1	0	0	4	14
19	12	10	0	0	0	0	0	0	0	1	1	0	0	4	0
20															
21	12	25	0	0	0	0	0	0	0	0	1	0	0	4	0
22	12	9	0	0	0	0	0	0	0	0	0	0	0	2-3	—
23	12	58	0	0	0	0	0	0	0	0	0	0	0	2	0
24															
25															
26	12	16	1	2	1	1	2	3	23	3	0	0	0	2	22
27	12	34	1	3	1	3	2	6	26	2	0	0	0	2-3	35
28	12	40	1	2	1	4	2	6	26	0	2	1	4	2	36
29															
30															
Sum			285		38		323		299			59			352 (239.04)
Mean			15.8		2.1		17.9		17.9			3.3			K=0.80

Days 18^d Instrument $\begin{cases} < 100^{mm} & \text{Reflector } \times 56 \text{ Direct Vison.} \\ < 80^{mm} & \text{Refractor } \times 48 \text{ projection} \end{cases}$

8 9 10 11 12 1 ② 3 4 5 6 7 8

$3557 \div 248 = 14.3$

$N3081 = 12.4$

$S 491 = 1.9$

MONTHLY REPORT OF SUNSPOT OBSERVATION

MARCH 1965 Observer - K. Fujimori Address - Suwa Nagano

Date	Time		N		S		Total		log t	Facula		c. c.	Z.	Seeing	Remarks
	J.	S.	+	-	+	-	+	-		E	W				
1	12	11 ^m	1	2	4	3	2	5	25	0	1	2	5	2	24
2															
3															
4															
5	13	4	1	3	0	0	1	3	13	0	1	0	0	3	13
6															
7															
8															
9															
10	12	14	1	7	0	0	1	7	17	0	1	0	0	3	14
11	12	32	1	3	0	0	1	3	13	0	2	0	0	2-3	13
12															
13															
14	12	15	2	8	0	0	2	8	28	1	0	0	0	3	19
15															
16															
17															
18	12	10	2	6	0	0	2	6	26	0	0	0	0	2-3	14
19	12	17	1	14	0	0	1	14	24	0	1	0	0	1-2	22
20									14	14					
21	11	48	1	6	0	0	1	6	16	0	1	0	0	3	30
22	12	10	0	0	0	0	0	0	0	0	1	0	0	2-3	0
23	12	9	0	0	0	0	0	0	0	0	1	0	0	3	0
24															
25	12	7	0	0	0	0	0	0	0	1	0	0	0	2	0
26	12	15	1	6	0	0	1	6	16	1	0	0	0	1-2	13
27	12	15	1	3	0	0	1	3	13	1	0	0	0	1-2	12
28	11	25	1	5	0	0	1	5	15	0	1	1	5	4	14
29	12	10	1	4	0	0	1	4	14	0	1	1	4	2	14
30	13	5	1	2	0	0	1	2	12	0	1	1	2	2	11
31	13	10	0	0	0	0	0	0	0	0	0	0	0	2	0
Sum			219		13		232					66			213 (152.36)
Mean			12.9		0.8		13.7	13.7				3.9			K=0.66

Days 17^d Instrument (100^{mm} Reflector x56 Direct Vision
80^{mm} Refractor x48 projection
9 10 11 12 1 2 ③ 4 5 6 7 8 9

$$3527 \div 238 = 14.8$$

$$N3062 = 12.9$$

$$S465 = 2.0$$

MONTHLY REPORT OF SUNSPOT OBSERVATION

APRIL 1965 Observer - K. Fujimori Address - Suwa Nagano

Date	Time		N		S		Total		log ₁₀ f	Facula		C. Z	Seeing 5-1"	Remarks
	J.	S.T	g	f	g	f	g	f		E	W			
1														
2	13	10 ^m	0	0	0	0	0	0	0.0	0	0	0	2	0
3	13	15	0	0	0	0	0	0	0.1	0	0	0	2	0
4	12	23	0	0	0	0	0	0	0.0	1	0	0	3	0
5	11	5	0	0	0	0	0	0	0.0	1	0	0	3	0
6														
7	14	50	0	0	0	0	0	0	0.0	0	0	0	2	0
8														
9	12	45	0	0	0	0	0	0	0.3	0	0	0	3	0
10														
11	15	15	0	0	0	0	0	0	0.1	0	0	0	2-3	-
12	15	25	1	4	0	0	1	4	1.4	1	0	0	3	-
13														
14														
15	12	0	1	6	1	4	2	10	3.0	1	0	0	2-3	-
16	12	50	1	6	0	0	1	6	1.6	0	1	6	3	-
17	12	58	1	7	0	0	1	7	1.7	0	1	7	3	-
18														
19														
20														
21														
22	11	55	1	8	0	0	1	8	1.8	0	1	8	3	14
23														
24	12	0	1	5	0	0	1	5	1.5	0	0	0	1-2	17
25	13	8	1	2	0	0	1	2	1.2	0	0	0	2	11
26														
27	12	50	0	0	1	4	1	4	1.4	0	1	0	2	15
28														
29														
30														
Sum			108		28		136		5.9			51		57 (41.04)
Mean			7.2		1.9		9.1		9.1			3.4		K=0.70

Days 15^d Instrument < 100^{mm} Reflector x56 Direct Vision
 80^{mm} Refractor x48 Projection
 10 11 12 1 2 3 ④ 5 6 7 8 9 10 N3275 = 13.7
 3860 ÷ 239 = 16.2 S 585 = 2.4

MONTHLY REPORT OF SUNSPOT OBSERVATION

M A Y 1965 Observer - K. Fujimori Address - Suwa Nagano

Date	Time		N		S		Total		log t	Facula		cent		Seeing 1-5	Remarks
	J	S.T	g	+	g	+	g	+		E	W	g	+		
1	13	0 ^m	0	0	0	0	0	0	0	0	0	0	0	3	0
2	12	55 ^m	1	1	0	0	1	1	11	1	0	0	0	3	11
3															
4	12	50	1	2	0	0	1	2	12	1	0	0	0	3	12
5	12	3	1	3	0	0	1	3	13	1	0	0	0	3	13
6															
7															
8	12	0	1	6	0	0	1	6	16	0	1	0	0	4	13
9															
10															
11															
12	13	15	0	0	0	0	0	0	0	0	1	0	0	2	0
13	12	20	1	5	1	3	2	8	28	0	1	0	0	4	25
14															
15	12	0	2	13	0	0	2	13	33	2	2	1	5	3	28
16															
17															
18															
19	13	5	4	72	0	0	4	72	112	1	2	0	0	3-4	79
20	13	0	3	70	0	0	3	70	100	1	2	1	36	2	88
21	13	35	3	66	0	0	3	66	96	0	2	1	43	4	86
22	13	30	3	48	0	0	3	48	78	0	1	2	41	2	81
23	12	45	2	31	0	0	2	31	51	0	1	1	9	2	47
24	12	55	2	27	0	0	2	27	47	1	1	0	0	3	43
25	12	55	2	15	0	0	2	15	35	1	1	0	0	2-3	35
26															
27															
28															
29															
30															
31															
Sum			619	13			632						794		561 (40.292)
Mean			41.2	0.9			42.1	42.1					12.9		K=0.64

Days 15^d Instrument $\left\{ \begin{array}{l} 100^{mm} \text{ Reflector } \times 56 \text{ Direct Vision} \\ 80^{mm} \text{ Refractor } \times 48 \text{ projection} \end{array} \right.$

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

$4.056 \div 239 = 17.0$ $N 3472 = 14.5$

5 584 = 2.4

MONTHLY REPORT OF SUNSPOT OBSERVATION

JUNE 1965 Observer - K. Fujimori Address - Suwa, Nagano

Date	Time J. S. T.	N		S		Total		10g+	Facula		Cent.		Sec. 1-5	Remarks
		g	+	g	+	g	+		E	W	g	+		
1														
2														
3														
4														
5	13 ^h 15 ^m	0	0	2	27	2	27	47	1	0	1	15	4	重量 0 51
6														
7	13 10	1	3	2	10	3	13	43	1	2	0	0	3	5 49
8	12 55	1	4	1	2	2	6	26	1	3	0	0	2	0 35
9	12 45	1	7	1	2	2	9	29	1	2	0	0	2-3	0 13
10	13 5	1	4	1	2	2	6	26	1	1	1	2	4	0 13
11	13 20	0 1	2 2	0 0	0 0	1	2	12	1	0	1	2	4	7 11
12	11 20	0	0	0	0	0	0	0	1	0	0	0	1-2	9 17
13														
14														
15	12 15	0	0	0	0	0	0	0	2	1	0	0	2	1 0
16														
17														
18	12 0	0	0	0	0	0	0	0	0	0	0	0	2	9 49
19														
20														
21														
22	12 30	0	0	0	0	0	0	0	0	2	0	0	3	7 30
23	12 45	0	0	0	0	0	0	0	0	0	0	0	1	10 30
24	12 25	1	3	0	0	1	3	13	2	3	1	3	4	1 13
25	12 30	1	1	0	0	1	1	11	2	2	1	1	5	0 0
26	12 45	0	0	0	0	0	0	0	1	2	0	0	2	7 0
27	14 45	1	1	0	0	1	1	11	1	0	0	0	2	10 9 11
28														
29														
30														
Sum		105		113		218				73				226 (162, 72)
Mean		2.0		2.5		14.5		14.5		4.9				K=0.95

Days 15^d Instrument < 100^{mm} Reflector x56 Direct Vision

80^{mm} Refractor x48 Projection

12 / 2 3 4 5 ⑥ 7 8 9 10 11 12
 $4279 \div 235 = 18.2$ $N3700 = 15.7$
 $S599 = 2.5$

MONTHLY REPORT OF SUNSPOT OBSERVATION

JULY 1965 Observer - K. Fujimori Address - Suwa, Nagano

Date	Time J. S. T	N		S		Total		10 ⁴ ±f	Facula		Cent		Seems 1-5	Remarks
		g	+	g	+	g	+		E	W	g	+		
1														
2	12 ^h 03 ^{mn}	2	11	0	0	2	11	310	0	0	1	3	4	32
3														
4	12 55	1	4	0	0	1	4	141	1	1	4	3	—	
5	15 0	1	3	0	0	1	3	131	1	0	0	2	—	
6	12 25	1	6	0	0	1	6	161	2	0	0	3	28	
7														
8														
9														
10														
11														
12														
13														
14	15 20	1	6	0	0	1	6	160	1	0	0	3	19	
15	14 40	1	2	0	0	1	2	120	1	1	2	2	14	
16	11 45	1	4	0	0	1	4	140	1	0	0	3	12	
17														
18	15 40	0	0	0	0	0	0	00	2	0	0	2-3	—	
19	12 30	0	0	0	0	0	0	00	2	0	0	4	0	
20	13 30	0	0	0	0	0	0	00	1	0	0	3	6	
21														
22														
23														
24	14 0	0	0	0	0	0	0	01	1	0	0	3	0	
25	13 45	0	0	0	0	0	0	00	0	0	0	3	0	
26	11 55	0	0	0	0	0	0	01	0	0	0	4	0	
27	11 50	0	0	0	0	0	0	00	1	0	0	4	14	
28	11 35	0	0	0	0	0	0	00	0	0	0	3	0	
29	11 45	0	0	0	0	0	0	00	0	0	0	3	0	
30	12 50	1	3	0	0	1	3	132	0	0	0	3	0	
31	12 50	1	1	0	0	1	1	111	0	0	0	3	11	
Sum			140		0		140	113			39			130(93.60)
Mean			78		0		78	78			2.2			k=0.83

Days 18^d Instrument <100^{mm} Reflector x56 Direct Vision

50^{mm} Refractor x48 projection
 / 2 3 4 5 6 ⑦ 8 9 10 11 12 / N3811 = 16.5
 11 12 2 22 12 19.1

MONTHLY REPORT OF SUNSPOT OBSERVATION

AUGUST 1965 Observer-K. Fujimori Address-Suwa, Nagano

Date	Time J. S. T	N		S		Total		log ₁₀ f	Facula		Cent		Seeing 1-5	Remarks
		g	f	g	f	g	f		E	W	g	f		
1	12 ^h 30 ^m	0	0	0	0	0	0	0	0	0	0	0	3	11
2	13 5	0	0	0	0	0	0	0	0	1	0	0	3	0
3	11 20	1	1	0	0	1	1	11	0	1	0	0	4	11
4	12 40	1	1	0	0	1	1	11	2	1	0	0	4	11
5														M
6	12 5	0	0	1	3	1	3	13	3	0	0	0	3	13
7														M
8	12 50	2	5	0	0	2	5	25	3	0	0	0	3	25
9	12 50	1	5	0	0	1	5	15	1	1	0	0	3-4	13
10	15 45	0	0	1	4	1	4	14	0	1	0	0	3	26
11														C-R
12	13 45	0	0	1	8	1	8	18	0	1	0	0	4	28
13	13 10	0	0	1	4	1	4	14	0	3	0	0	4	11
14	13 15	0	0	0	0	0	0	0	0	2	0	0	2	11
15	8 40	0	0	0	0	0	0	0	0	2	0	0	3	0
16	12 15	0	0	0	0	0	0	0	0	1	0	0	3	0
17	12 45	0	0	0	0	0	0	0	1	1	0	0	2	0
18	12 35	1	2	0	0	1	2	12	1	1	1	2	4-5	22
19	13 40	1	2	0	0	1	2	12	2	0	1	2	4	12
20	13 40	0	0	0	0	0	0	0	2	0	0	0	3	0
21														C
22														C-R
23	12 50	0	0	0	0	0	0	0	1	1	0	0	3	11
24	12 0	1	2	0	0	1	2	12	1	0	1	2	3-4	12
25	12 55	0	0	0	0	0	0	0	1	0	0	0	3	0
26	11 5	0	0	0	0	0	0	0	1	0	0	0	3	0
27	12 50	1	6	0	0	1	6	16	2	0	0	0	3-4	14
28	13 5	1	6	0	0	1	6	16	0	0	0	0	2	19
29	12 35	1	2	0	0	1	2	12	0	0	1	2	4-5	13
30	12 50	0	0	0	0	0	0	0	0	1	0	0	4-5	0
31	12 0	1	6	0	0	1	6	16	0	1	1	6	2	14
Sum			158		59		217					64		277(19.44)
Mean			6.1		2.2		8.3	8.3				2.5		K=0.92

Days 26^d Instrument $\left\{ \begin{array}{l} 100^{mm} \text{ Reflector } \times 56 \text{ Direct Vision} \\ 80^{mm} \text{ Refractor } \times 48 \text{ projection} \end{array} \right.$

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

$4308 \div 225 = 19.1$ $N3704 = 16.5$
 $S604 = 2.7$

MONTHLY REPORT OF SUNSPOT OBSERVATION

SEPTEMBER 1965 Observer - K. Fujimori Address - Suwa, Nagano

Date	Time		N				S		Total	Facula		Cent		Seq. No.	Remarks
	h	m	g	v	i	s	+	g		+	E	W	g		
1	12	25 ^{2m}	2	12	0	0	2	12	32	0	0	2	12	2-3	30
2															R-C
3	12	55	2	9	0	0	2	9	29	2	2	0	0	3	24
4	15	0	2	12	0	0	2	12	32	2	2	0	0	4	27
5	13	5	2	11	0	0	2	11	31	2	2	0	0	2-3	28
6															C
7															C
8															C
9															R
10															R
11	13	15	1	5	0	0	1	5	15	0	0	0	0	3	27
12	12	35	2	5	0	0	2	5	25	1	1	0	0	3	28
13															C
14															C
15															C
16															C
17															R
18	13	10	1	4	0	0	1	4	14	0	0	1	4	3-4	12
19															M
20															M
21	11	55	0	0	0	0	0	0	0	1	0	0	0	4	11
22															C
23															C
24	11	40	1	8	0	0	1	8	18	1	1	0	0	3	18
25															R
26	12	40	1	4	0	0	1	4	14	0	2	0	0	3	13
27															M
28	14	0	1	7	0	0	1	7	17	1	0	0	0	2-3	28
29	12	0	1	19	1	1	2	20	40	2	0	0	0	2	47
30	12	45	1	42	0	0	1	42	52	3	0	0	0	2	80
Sum			308	17			319					46			393 (=268.56)
Mean			23.7	0.8			24.5	24.5				3.5			K=0.84

Days 13^d Instrument $\begin{cases} < 100 \text{ mm} \\ & 8 \text{ mm} \end{cases}$ Reflector x56 Direct Vision
 Refractor x48 projection
 3 4 5 6 7 8 (9) 10 11 12 12 3
 $4447 \div 225 = 19.8$ $N3881 = 17.2$
 $< 166 = 2.5$

MONTHLY REPORT OF SUNSPOT OBSERVATION

OCTOBER 1965 Observer - K. Fujimori Address - Suwa, Nagano

Date	Time		M		S		Total		Facula		Spot		Seeing	Remarks	
	h	m	+	-	+	-	+	-	E	W	+	-			
1	12	45	1	50	0	0	1	50	60	1	0	1	50	3	98
2	15	0	1	50	0	0	1	50	60	0	0	1	50	2	70
3	15	10	1	21	1	6	2	27	47	0	0	2	27	1	113
4	14	0	1	28	2	14	3	42	72	0	0	1	28	2	108
5	12	55	1	22	2	13	3	35	65	0	1	1	11	2	99
6															M
7															M
8															M
9															M
10	9	35	2	3	0	0	2	3	23	1	0	0	5		23
11															M
12															M
13															M
14															R
15	12	20	0	0	0	0	0	0	0	0	0	0	2-3		0
16	12	55	1	2	0	0	1	2	12	1	0	1	2	2-3	0
17	12	20	0	0	0	0	0	0	0	0	0	0	2		0
18	12	0	0	0	0	0	0	0	0	0	0	0	3		0
19															C
20	12	20	1	5	0	0	1	5	15	0	1	1	5	3	13
21	13	0	1	7	0	0	1	7	17	0	1	1	7	3	15
22	12	30	1	13	0	0	1	13	23	0	0	0	2-3		29
23	13	25	1	8	1	2	2	10	30	1	0	0	4		—
24	10	40	1	5	1	2	2	7	27	3	1	0	4		23
25															M
26															M
27	12	50	0	0	1	3	1	3	13	0	0	1	3	2	13
28															M
29															M
30															M
31															R
Sum			344		120		464	434				283			604 (434/88)
Mean			2.15		0.75		2.90					1.77			k=1.00

Days 16^a Instrument $\begin{cases} < 100^{mm} & \text{Reflector } \times 56 \text{ Direct Vision} \\ < 80^{mm} & \text{Refractor } \times 48 \text{ Projection} \end{cases}$

4 5 6 7 8 9 (19) 11 12 1 2 3 4

$50 \cdot 62 \div 226 = 22.4$ $N 4485 = 19.8$
 $S 577 = 2.6$

MONTHLY REPORT OF SUNSPOT OBSERVATION

NOVEMBER 1965 Observer - K. Fujimori Address - Suwa, Nagano

Date	Time		No.				Total		Facula			Cent		Series	Remarks
	h	m	1	2	3	4	10 ⁺	E	W	1	2	1-5			
1	12	35	2	8	1	3	3	11	4	1	0	1	7	2	42
2															M
3	10	50	1	9	1	2	2	11	3	1	2	0	0	2	43
4	12	25	1	9	0	0	1	9	1	2	2	0	0	3	—
5	12	55	2	7	0	0	2	7	2	7	2	0	0	4	14
6	12	35	2	12	0	0	2	12	3	2	1	1	11	2	39
7															C
8															R
9	15	0	2	23	0	0	2	23	4	3	0	1	2	1-2	42
10															M
11	12	45	2	26	0	0	2	26	4	6	1	1	13	1-2	46
12	14	55	2	13	0	0	2	13	3	3	0	1	8	2	32
13															M
14	14	5	1	11	0	0	1	11	2	1	0	0	0	3	18
15	12	35	1	4	0	0	1	4	1	4	0	1	0	2	13
16															M
17															M
18	12	45	0	0	0	0	0	0	0	1	0	0	0	3	0
19															C
20															R
21															M
22	13	0	0	0	0	0	0	0	0	1	0	0	0	2	0
23	12	10	0	0	0	0	0	0	0	0	0	0	0	2	—
24	13	0	0	0	0	0	0	0	0	0	0	0	0	2	13
25															R
26															M
27	12	30	0	0	0	0	0	0	0	0	1	0	0	3	0
28	13	5	0	0	0	0	0	0	0	0	0	0	0	3	0
29															C
30	13	15	1	3	0	0	1	3	1	3	2	0	0	3	12
Sum				295		25		320		301			91		414 (298.08)
Mean				17.3		1.5		18.8		18.8			5.4		K=0.99

Days 17^a Instrument $\begin{cases} 100^{mm} \\ 80^{mm} \end{cases}$ Reflector x56 Direct Vision
 Retractor x48 Projection
 5 6 7 8 9 10 (11) 12 1 2 3 4 5
 $5478 \div 227 = 24.1$ $\begin{matrix} \times 4865 = 21.4 \\ \times 613 = 2.7 \end{matrix}$

MONTHLY REPORT OF SUNSPOT OBSERVATION

DECEMBER 1965 Observer - K. Fujimari Address - Suwa, Nagano

Date	Time J. S. T	N		S		Total		log r	Facula		Cent		Seeing 1-5	Remarks
		g	f	g	f	g	f		E	W	g	f		
1														C
2	12 ^h 30 ^m	1	2	0	0	1	2	12	1	0	0	0	1-2	12
3	12 30	2	5	0	0	2	5	25	1	0	0	0	3	12
4														R
5	12 30	1	2	0	0	1	2	12	1	0	1	2	1	11
6														C
7	14 20	1	3	0	0	1	3	13	0	0	0	0	1-2	12
8	12 45	1	2	0	0	1	2	12	0	1	0	0	1-2	11
9	10 15	2	3	0	0	2	3	23	1	1	0	0	4	0
10	13 35	1	1	0	0	1	1	11	2	1	0	0	3-4	11
11														
12														
13	12 13	1	1	0	0	1	1	11	0	0	1	1	4	33
14	12 9	0	0	0	0	0	0	0	0	0	0	0	2	0
15														
16	12 30	1	6	0	0	1	6	16	0	0	1	6	1	16
17	12 13	1	12	0	0	1	12	22	0	1	0	0	2	18
18	12 14	1	17	0	0	1	17	27	0	1	0	0	2	41
19														M
20														R
21	12 12	0	0	0	0	0	0	0	0	0	0	0	3	—
22	12 14	1	4	0	0	1	4	14	0	1	0	0	3	25
23														
24														
25	12 14	1	4	0	0	1	4	14	0	0	1	4	2	—
26														
27	12 18	1	34	0	0	1	34	44	1	0	1	34	2-3	—
28														
29														
30	12 20	2	12	1	4	3	16	46	0	1	2	6	1	62
31	13 50	3	6	1	6	4	12	52	0	1	3	10	2	51
Sum			324		30		354	296				163		315(226.80)
Mean			18.0		1.7		19.7	19.7				9.1		K=0.77

Days 18^d Instrument < 100^{mm} Reflector x56 Direct Vision

毎平均 3845 ÷ 211 = 18.2

80^{mm} Refractor x48 Projection

N 3395 16.1
S 450 2.1

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

N 5049 = 22.0
S 715 = 3.1

5764 ÷ 229 = 25.2

0 東京天文台と比較 1965年 K=0.81