

MONTHLY REPORT OF SUNSPOT OBSERVATION

JANUARY 1983 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	4h50m	1	2	3	18	4	20	60	2	3	1	
2		-	-	-	-	-	-	-	-	-	-	
3	3:49	3	5	2	11	5	16	66	4	14	3	M
4	2:03	2	5	4	20	6	25	85	3	20	3	
5		-	-	-	-	-	-	-	-	-	-	
6		-	-	-	-	-	-	-	-	-	-	C-R
7	3:07	1	4	6	48	7	52	122	4	19	1	C
8		-	-	-	-	-	-	-	-	-	-	
9	2:54	1	2	7	44	8	46	126	5	26	2 - 3	R
10	1:36	0	0	7	42	7	42	112	6	32	2	
11	1:42	0	0	8	40	8	40	120	6	35	3	
12	0:56	1	4	6	22	7	26	96	4	10	3	
13	1:39	3	8	5	22	8	30	110	2	13	3	
14	3:48	5	13	6	15	11	28	138	2	2	2 - 3	
15	1:41	4	16	6	18	10	34	134	2	7	2 - 3	
16		-	-	-	-	-	-	-	-	-	-	
17	2:17	4	25	4	21	8	46	126	3	15	2	M
18		-	-	-	-	-	-	-	-	-	-	
19	3:50	4	18	3	31	7	49	119	4	35	2	S
20	5:15	3	14	3	23	6	37	97	4	31	2	
21	2:30	4	14	3	22	7	36	106	5	30	2	
22	3:24	4	11	3	16	7	27	97	3	10	3	
23	5:05	3	6	3	11	6	17	77	1	1	3 - 4	
24	2:51	4	8	1	9	5	17	67	0	0	3	
25	2:36	3	9	3	9	6	18	78	1	4	3	
26	1:05	3	23	5	16	8	39	119	2	11	4	
27		-	-	-	-	-	-	-	-	-	-	
28		-	-	-	-	-	-	-	-	-	-	M
29	0:05	2	20	4	31	6	51	111	3	39	3 - 4	M
30		-	-	-	-	-	-	-	-	-	-	
31	2:16	2	22	5	36	7	58	128	5	19	1	C
Sum		799		1495		2294			1086			
Mean		36.3		68.0		104.3			49.4			
Days	22	26.1		42.9		75.1						

3cm Refractor X67 Projection 15cm

POLAR FACULA	
N	S
0.20	0.05
0.25	

MONTHLY REPORT OF SUNSPOT OBSERVATION

FEBRUARY 1983 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	2h52m	2	12	6	52	8	64	144	6	48	2	naked eye=lb
2		-	-	-	-	-	-	-	-	-		R
3	2:54	2	3	5	45	7	48	118	2	36	3	naked eye=lb
4	3:28	1	3	6	53	7	56	126	5	44	3	naked eye=lb
5	1:27	1	3	5	54	6	57	117	4	41	3	naked eye=lc
6	4:01	0	0	5	46	5	46	96	3	27	2 - 3	
7	3:51	1	2	6	52	7	54	124	6	38	4	
8		-	-	-	-	-	-	-	-	-		S
9	1:16	0	0	3	14	3	14	44	1	2	1	
10	2:39	1	2	2	17	3	19	49	0	0	2 - 3	
11	3:24	1	1	1	10	2	11	31	0	0	2	
12		-	-	-	-	-	-	-	-	-		C
13	3:30	1	2	0	0	1	2	12	1	2	1	
14	1:38	1	4	0	0	1	4	14	1	4	2	
15	4:43	2	3	1	1	3	4	34	1	2	3	
16	1:50	1	2	1	1	2	3	23	1	2	3 - 4	
17		-	-	-	-	-	-	-	-	-		S
18		-	-	-	-	-	-	-	-	-		C
19	1:09	0	0	3	12	3	12	42	1	8	4	
20	0:42	0	0	4	11	4	11	51	1	6	4	
21	0:34	1	3	3	10	4	13	53	2	8	4	
22	1:01	1	6	3	6	4	12	52	3	6	3 - 4	
23	-1:13	1	6	2	3	3	9	39	2	3	2	
24		-	-	-	-	-	-	-	-	-		S
25	2:35	2	15	5	12	7	27	97	4	16	3	
26	0:48	2	18	4	12	6	30	90	3	19	3 - 4	
27	-29	2	17	5	19	7	36	106	2	21	4	
28	2:00	2	8	7	36	9	44	134	3	19	2 - 3	

Sum 360 1236 1596 872

Mean 16.4 56.2 72.5 39.6

11.8 40.5 52.2

Days 22

8cm Refractor X67 Projection 15cm

POLAR FACULA

N	S
0.15	0.50

0.65

MONTHLY REPORT OF SUNSPOT OBSERVATION

MARCH 1983 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	0h08m	2	9	8	31	10	40	140	4	17	2 - 3	
2		-	-	-	-	-	-	-	-	-		R
3	2:00	1	4	4	38	5	42	92	3	13	3	
4	4:50	1	3	6	42	7	45	115	4	38	3	
5	1:19	1	2	8	52	9	54	144	6	49	3	
6	0:11	1	2	7	51	8	53	133	5	47	3	
7	0:45	0	0	6	47	6	47	107	5	40	3	
8	1:16	0	0	4	30	4	30	70	1	3	2	
9	1:42	1	1	5	41	6	42	102	1	10	3	
10		-	-	-	-	-	-	-	-	-		S
11	2:45	1	4	3	20	4	24	64	0	0	3	
12	4:09	0	0	3	11	3	11	41	1	6	2 - 3	
13		-	-	-	-	-	-	-	-	-		R
14	2:18	0	0	3	6	3	6	36	1	2	4 - 5	
15	0:06	1	5	2	14	3	19	49	1	5	2	
16		-	-	-	-	-	-	-	-	-		C
17		-	-	-	-	-	-	-	-	-		R
18	1:58	2	4	3	45	5	49	99	3	29	3	
19	0:48	0	0	4	52	4	52	92	2	46	3	
20	0:31	0	0	5	53	5	53	103	4	48	3 - 4	
21		-	-	-	-	-	-	-	-	-		R
22	2:10	0	0	5	43	5	43	93	3	15	3 - 4	
23		-	-	-	-	-	-	-	-	-		C-R
24		-	-	-	-	-	-	-	-	-		R
25	2:13	1	2	4	17	5	19	69	0	0	2	
26	2:40	1	4	6	12	7	16	86	1	1	3	
27		-	-	-	-	-	-	-	-	-		R
28	3:36	0	0	5	13	5	13	63	1	3	2 - 3	
29		-	-	-	-	-	-	-	-	-		C
30		-	-	-	-	-	-	-	-	-		C
31	2:52	0	0	5	15	5	15	65	5	15	4	

Sum 170 1593 1763 897

Mean 8.5 79.7 88.2 44.9

Days 20 6.1 57.3 63.5

8cm Refractor X67 Projection 15cm

POLAR FACULA	
N	S
0.10	0.20
0.30	

MONTHLY REPORT OF SUNSPOT OBSERVATION

MAY 1983 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		-	-	-	-	-	-	-	-	-		C - R
2	3h34m	2	4	6	49	8	53	133	3	9	3	
3	3:30	1	1	5	45	6	46	106	1	8	2	
4	3:34	1	3	4	46	5	49	99	2	25	3	
5	3:30	1	6	6	41	7	47	117	3	29	2	
6		-	-	-	-	-	-	-	-	-		C
7	2:14	1	3	4	48	5	51	101	2	29	2	
8	5:10	1	6	5	39	6	45	105	2	17	2	
9	- 25	1	8	5	59	6	67	127	2	16	2 - 3	
10	3:27	1	2	6	82	7	84	154	2	29	3 - 4	
11	2:56	0	0	5	83	5	83	133	3	57	4	naked eye=lb
12	4:09	1	5	5	82	6	87	147	3	41	4	naked eye=lb
13	3:20	1	10	5	80	6	90	150	3	45	1 - 2	naked eye=lc
14	4:00	1	12	6	75	7	87	157	5	40	2	
15	2:44	2	21	6	69	8	90	170	4	26	4	
16		-	-	-	-	-	-	-	-	-		R
17	3:43	1	13	5	31	6	44	104	2	16	2 - 3	
18	3:38	2	13	6	25	8	38	113	1	11	2	
19	3:30	2	20	5	21	7	41	111	1	6	2	
20	3:16	2	31	3	19	5	50	100	3	8	3	
21	4:34	2	53	4	24	6	77	137	2	21	3	
22	2:15	2	45	4	21	6	66	126	3	40	2 - 3	
23	4:40	2	34	4	22	6	56	116	2	36	1 - 2	
24	2:05	3	26	6	31	9	57	147	2	23	3 - 4	
25	2:56	2	13	7	25	9	38	128	5	18	2 - 3	
26	2:54	2	9	8	42	10	51	151	7	43	3	
27	3:30	2	3	8	30	10	33	133	6	24	2	
28		-	-	-	-	-	-	-	-	-		M
29	3:12	2	3	7	47	9	50	140	3	4	4	
30	0:16	0	0	6	41	6	41	101	1	2	3	
31	1:19	0	0	4	50	4	50	90	2	12	3	
Sum			724		2677			3401		1385		
Mean			26.8		99.1			126.0		51.3		

Days 27 19.3 71.4 90.7

8cm Refractor X67 Projection 15cm

POLAR FACULA	
N	S
0.83	0.39
1.22	

MONTHLY REPORT OF SUNSPOT OBSERVATION

JUNE 1983 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	5h50m	0	0	4	41	4	41	81	2	12	1 - 2	
2	1:04	0	0	5	46	5	46	96	2	8	3	
3	3:00	0	0	4	65	4	65	105	2	28	2 - 3	
4	4:19	0	0	3	59	3	59	89	1	54	3	naked eye=lc
5	3:25	0	0	3	71	3	71	101	1	60	4 - 5	naked eye=lb
6		-	-	-	-	-	-	-	-	-		M
7	4:00	0	0	4	81	4	81	121	2	51	1	naked eye=lb
8		-	-	-	-	-	-	-	-	-		C
9	1:04	0	0	4	93	4	93	133	1	21	2	naked eye=lc
10	0:00	1	3	3	88	4	91	131	1	52	2 - 3	naked eye=lc
11	1:06	0	0	3	66	3	66	96	2	51	3 - 4	naked eye=lc
12		-	-	-	-	-	-	-	-	-		C
13		-	-	-	-	-	-	-	-	-		R - C
14	1:33	3	7	4	37	7	44	114	2	9	3	
15	3:20	3	9	5	19	8	28	108	2	5	1 - 2	
16		-	-	-	-	-	-	-	-	-		C
17	4:20	2	18	3	21	5	39	89	1	9	1	
18		-	-	-	-	-	-	-	-	-		C
19	3:25	5	27	3	28	8	55	135	6	51	3	
20		-	-	-	-	-	-	-	-	-		C - R
21	3:46	5	48	3	20	8	68	148	4	36	3	
22	3:29	4	53	4	22	8	75	155	6	51	3	
23	1:30	5	62	3	26	8	88	168	4	50	3	
24		-	-	-	-	-	-	-	-	-		C
25	3:45	6	45	3	14	9	59	149	5	32	3	
26	0:01	5	37	5	10	10	47	147	6	21	3 - 4	
27		-	-	-	-	-	-	-	-	-		C
28	3:37	3	24	3	20	6	44	104	2	8	3	
29	4:17	2	14	2	25	4	39	79	0	0	2	
30	2:56	2	10	3	23	5	33	83	2	5	2	

Sum 817 1615 2432 1154

Mean 38.9 76.9 115.8 55.0

Days 21
 28.0 55.4 83.4

8cm Refractor X67 Projection 15cm

POLAR FACULA	
N	S
0.88	0.63
1.50	

MONTHLY REPORT OF SUNSPOT OBSERVATION

JULY 1983 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	4h16m	1	7	3	17	4	24	64	2	14	2 - 3	
2	3:43	0	0	3	18	3	18	48	2	16	2	
3		-	-	-	-	-	-	-	-	-	-	M
4	0:37	0	0	4	34	4	34	74	2	10	3	
5		-	-	-	-	-	-	-	-	-	-	R
6	1:41	0	0	6	47	6	47	107	3	9	3 - 4	
7	0:52	0	0	5	52	5	52	102	3	41	4	
8		-	-	-	-	-	-	-	-	-	-	C
9	1:51	0	0	5	38	5	38	88	3	28	3	
10	1:51	0	0	4	37	4	37	77	1	13	3	
11	5:02	0	0	4	35	4	35	75	1	4	3	
12	1:13	2	5	5	34	7	39	109	3	10	3	
13	2:39	2	9	5	24	7	33	103	3	13	3	
14	3:14	3	14	4	27	7	41	111	2	16	3	
15		-	-	-	-	-	-	-	-	-	-	R
16		-	-	-	-	-	-	-	-	-	-	C
17		-	-	-	-	-	-	-	-	-	-	R
18	3:00	4	14	4	15	8	29	109	5	22	2	
19	2:40	4	10	5	23	9	33	123	6	26	3	
20		-	-	-	-	-	-	-	-	-	-	R
21		-	-	-	-	-	-	-	-	-	-	R - C
22		-	-	-	-	-	-	-	-	-	-	R - C
23	3:23	3	34	3	14	6	48	108	3	34	1 - 2	
24		-	-	-	-	-	-	-	-	-	-	R - C
25		-	-	-	-	-	-	-	-	-	-	C
26	2:39	2	27	2	16	4	43	83	0	0	3 - 4	
27	2:02	2	10	2	10	4	20	60	0	0	1 - 2	
28	0:20	2	3	2	13	4	16	56	0	0	3 - 4	
29		-	-	-	-	-	-	-	-	-	-	M
30	2:58	1	4	5	45	6	49	109	2	5	2 - 3	
31	-- 07	1	10	6	56	7	66	136	0	0	2 - 3	naked eye=lc

Sum 417 1325 1742 671

Mean 21.9 69.7 91.7 35.3

Days 19 15.8 50.1 66.0

8cm Refractor X67 Projection 15cm

POLAR FACULA	
N	S
1.00	0.00
1.00	

MONTHLY REPORT OF SUNSPOT OBSERVATION

AUGUST 1983 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	3h26m	2	7	6	77	8	84	164	2	64	4	naked eye=lc
3	2:05	2	4	4	65	6	69	129	3	62	4	
4	2:39	1	2	4	72	5	74	124	3	68	4	
5	3:47	2	3	4	40	6	43	103	3	17	5	
6	3:26	0	0	2	28	2	28	48	0	0	2	
7	3:07	0	0	3	26	3	26	56	1	5	2 - 3	
8	3:31	0	0	5	36	5	36	86	1	4	3	
9	2:41	0	0	5	39	5	39	89	0	0	3	
10	3:03	0	0	3	42	3	42	72	0	0	2 - 3	
11	2:55	1	2	3	54	4	56	96	0	0	2 - 3	
12		-	-	-	-	-	-	-	-	-		M
13	3:11	2	4	5	71	7	75	145	2	67	4 - 5	
14	1:41	2	4	5	60	7	64	134	2	57	5	
15		-	-	-	-	-	-	-	-	-		C
16		-	-	-	-	-	-	-	-	-		R
17		-	-	-	-	-	-	-	-	-		R
18		-	-	-	-	-	-	-	-	-		C
19	0:53	4	13	2	5	6	18	78	3	11	3 - 4	
20	3:49	3	9	0	0	3	9	39	1	3	2 - 3	
21		-	-	-	-	-	-	-	-	-		R
22	4:23	2	7	3	5	5	12	62	3	7	2 - 3	
23	2:43	3	9	3	5	6	14	74	3	8	2	
24		-	-	-	-	-	-	-	-	-		C
25	- 03	1	1	3	10	4	11	51	1	5	4 - 5	
26	0:29	2	2	4	14	6	16	76	3	11	4 - 5	
27	1:45	0	0	4	18	4	18	58	2	13	3	
28		-	-	-	-	-	-	-	-	-		M
29	1:28	0	0	6	21	6	21	81	3	10	5	
30	2:03	0	0	5	8	5	8	58	4	6	4	
31	2:15	1	3	5	7	6	10	70	3	5	5	

Sum	350	1543	1893	853
Mean	15.9	70.1	86.0	33.3

Days 22 *11.4* *50.5* *61.9*

3cm Refractor X67 Projection 15cm

POLAR FACULA

N	S
1.73	0.05
1.77	

MONTHLY REPORT OF OBSERVATION

DECEMBER 1993 Observer - K. Fujimori Sawa 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	0h46m	0	0	1	23	1	23	33	0	0	2	
2	1:18	2	6	1	26	3	32	62	0	0	2	
3	2:29	3	24	1	19	4	43	83	1	6	3	
4		-	-	-	-	-	-	-	-	-	-	C
5	4:57	4	41	0	0	4	41	81	1	2	2 - 3	
6	2:13	3	34	1	3	4	37	77	2	10	2	
7	3:30	3	34	2	6	5	40	90	3	31	1 - 2	
8		-	-	-	-	-	-	-	-	-	-	C
9	4:50	4	40	1	7	5	47	97	3	35	1 - 2	
10	3:30	4	42	3	20	7	62	132	5	49	2	
11		-	-	-	-	-	-	-	-	-	-	M
12	3:12	4	39	5	23	9	62	152	4	26	2	
13	3:40	4	31	3	12	7	43	113	1	17	1 - 2	
14	3:32	4	34	3	10	7	44	114	1	20	3	
15		-	-	-	-	-	-	-	-	-	-	C
16	4:45	2	28	4	11	6	39	99	2	8	3	
17		-	-	-	-	-	-	-	-	-	-	M
18	2:39	1	16	4	20	5	36	86	3	19	2	
19		-	-	-	-	-	-	-	-	-	-	C
20	3:34	0	0	3	5	3	5	35	1	2	3	
21	2:50	1	1	2	3	3	4	34	1	1	3 - 4	
22	0:19	1	1	2	2	3	3	33	1	1	3	
23		-	-	-	-	-	-	-	-	-	-	M
24	4:16	0	0	2	4	2	4	24	0	0	2	
25	0:51	0	0	2	2	2	2	22	1	1	4	
26		-	-	-	-	-	-	-	-	-	-	C
27	3:07	0	0	1	2	1	2	12	0	0	2 - 3	
28	3:14	0	0	2	5	2	5	25	2	5	2 - 3	
29	0:40	0	0	0	0	0	0	0	0	0	3	
30	2:01	0	0	0	0	0	0	0	0	0	3	
31	2:14	0	0	1	6	1	6	16	1	2	3	

Sum 771 649 1420 565

Mean 33.5 28.2 61.7 24.6

Days 23 24.1 20.3 44.4

8cm Refractor X67 Projection 15cm

POLAR FACULA	
N	S
1.65	0.10
1.75	

MONTHLY REPORT OF SUNSPOT OBSERVATION

NOVEMBER 1983 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	2h11m	0	0	2	4	2	4	24	0	0	4	
2	3:56	1	2	2	2	3	4	34	1	1	2	
3	2:40	1	2	3	8	4	10	50	1	2	2	
4		-	-	-	-	-	-	-	-	-		
5		-	-	-	-	-	-	-	-	-		C
6	3:18	2	5	4	30	6	35	95	2	5	3	C
7	1:48	1	3	5	33	6	36	96	4	24	3	
8	2:56	3	5	6	32	9	37	127	7	26	2 - 3	
9	3:10	1	3	6	27	7	30	100	5	26	3	
10	4:38	1	3	5	23	6	26	86	3	14	5	
11	3:19	1	3	4	18	5	21	71	1	6	2	
12	2:21	1	2	3	10	4	12	52	2	2	2	
13	4:42	1	2	3	5	4	7	47	1	2	2	
14	3:28	0	0	2	9	2	9	29	1	8	2 - 3	
15	1:00	0	0	2	12	2	12	32	1	6	4	
16	3:07	0	0	2	23	2	23	43	2	23	4	
17		-	-	-	-	-	-	-	-	-		
18		-	-	-	-	-	-	-	-	-		R
19	4:03	0	0	2	13	2	13	33	1	8	2 - 3	C
20	3:55	0	0	1	1	1	1	11	0	0	1 - 2	
21	4:23	0	0	0	0	0	0	0	0	0	3	
22	3:20	0	0	0	0	0	0	0	0	0	3	
23	0:33	0	0	0	0	0	0	0	0	0	3	
24	3:33	0	0	0	0	0	0	0	0	0	3	
25	4:41	0	0	0	0	0	0	0	0	0	2	
26	5:01	0	0	0	0	0	0	0	0	0	1 - 2	
27	1:33	0	0	0	0	0	0	0	0	0	1	
28	0:56	1	2	0	0	1	2	12	0	0	1 - 2	
29	1:01	1	3	0	0	1	3	13	0	0	2	
30		-	-	-	-	-	-	-	-	-	1	

Sum	185	770	955	473
Mean	7.4	30.8	38.2	18.9

Days 25 5.3 22.2 27.5

8cm Refractor X67 Projection 15cm

POLAR FACULA	
N	S
0.60	0.24
0.84	

MONTHLY REPORT OF SUNSPOT OBSERVATION

DECEMBER 1983 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	0h06m	3	8	0	0	3	8	38	1	1	2	- 3	
2	1:05	2	10	0	0	2	10	30	1	7		2	
3	2:53	1	6	0	0	1	6	16	1	6	1	- 2	
4	1:19	1	2	0	0	1	2	12	1	2		2	
5		-	-	-	-	-	-	-	-	-			M
6	0:04	0	0	3	14	3	14	44	0	0		3	
7	0:24	0	0	3	19	3	19	49	0	0	2	- 3	
8	0:05	0	0	3	22	3	22	52	0	0		3	
9	3:06	2	15	3	23	5	38	88	3	24	2	- 3	
10	0:01	2	20	4	30	6	50	110	5	43		3	
11		-	-	-	-	-	-	-	-	-			R - C
12	2:35	2	17	3	23	5	40	90	3	26	2	- 3	
13	0:06	2	10	2	21	4	31	71	2	24	2	- 3	
14	1:40	1	9	2	12	3	21	51	1	9		2	
15	4:50	1	7	3	9	4	16	56	1	7	1	- 2	
16		-	-	-	-	-	-	-	-	-			M
17		-	-	-	-	-	-	-	-	-			M
18	3:44	1	3	2	13	3	16	46	2	13	1	- 2	
19	1:51	1	3	1	17	2	20	40	1	17	2	- 3	
20	4:09	0	0	1	22	1	22	32	1	22		2	
21	3:52	0	0	1	13	1	13	23	1	13		3	
22	2:26	0	0	1	6	1	6	16	0	0	1	- 2	
23	4:14	1	2	1	7	2	9	29	0	0		2	
24	3:07	1	3	1	2	2	5	25	1	3	1	- 2	
25	3:17	1	4	1	3	2	7	27	1	4	1	- 2	
26	2:52	2	3	1	3	3	6	36	2	3		3	
27	4:15	0	0	0	0	0	0	0	0	0		2	
28	4:40	0	0	0	0	0	0	0	0	0		2	
29	1:19	1	1	0	0	1	1	11	1	1		4	
30	3:35	1	5	0	0	1	5	15	1	5		3	
31	1:33	1	2	0	0	1	2	12	1	2		4	
Sum		400		619		1019			542				
Mean		14.8		22.9		37.7			20.1				

Days ^{10.7} 27 ^{16.5}

8cm Refractor X67 Projection 15cm ^{27.1}

POLAR FACULA

^N 0.56 ^S 0.41
0.96