

MONTHLY REPORT OF SUNSPOTS OBSERVATION December 2023

KWASAN OBSERVATORY Yamasina Kyoto Japan
 115mm Refractor
 Seeing : 1-5
 OBSERVER : M.Kamobe,M.Teranishi,E.Imatani,Y.Kawabata

Date	Time(U.T.)		N-Hemisphere		S-Hemisphere		Disc Center		Total		10g+f	Seeing	Observer	
	h	m	g	f	g	f	g	f	g	f				
1	1	15	2	4	7	22	2	17	9	26	116	2/5	T	
2	5	40	3	5	5	15	1	1	8	20	100	3/5	YK	
3	1	6	3	4	6	13	3	3	9	17	107	2/5	YK	
4	1	40	2	6	7	22	5	19	9	28	118	3/5	K	
5														
6	3	0	4	15	5	27	6	35	9	42	132	3/5	T	
7	1	0	4	18	5	17	4	20	9	35	125	3/5	K	
8	1	15	3	23	4	17	0	0	7	40	110	3/5	T	
9	1	20	3	10	5	16	2	9	8	26	106	3/5	I	
10	1	12	3	17	4	10	2	16	7	27	97	3/5	YK	
11	0	45	4	22	4	8	3	21	8	30	110	3/5	K	
12														
13	1	30	4	21	3	4	5	23	7	25	95	1/5	T	
14	1	15	6	24	3	10	4	4	9	34	124	1/5	K	
15														
16														
17	4	57	2	3	2	15	1	14	4	18	58	2/5	I	
18	1	0	5	9	4	14	3	12	9	23	113	1/5	K	
19	0	40	5	12	3	13	2	12	8	25	105	1/5	K	
20	1	45	5	26	4	19	2	16	9	45	135	2/5	T	
21	1	0	6	27	3	18	4	30	9	45	135	2/5	K	
22	3	30	7	32	4	18	5	37	11	50	160	1/5	T	
23	0	52	5	33	3	7	4	21	8	40	120	3/5	I	
24	4	6	5	17	3	8	4	16	8	25	105	2/5	YK	
25	1	5	5	18	2	6	5	20	7	24	94	2/5	K	
26	0	55	5	16	3	11	4	18	8	27	107	4/5	K	
27														
28	0	45	3	15	4	10	3	11	7	25	95	4/5	K	
29														
30														
31														
			Sum	94	377	93	320	74	375		2567			
			(R)	57.3		54.3		48.5			111.6			

Days 23

S:Sugiura
 K: Kamobe
 H:Himoto
 A:Anan
 MH:Hagino
 AK:Kwamura
 T:Teranishi
 D:Deguchi
 I:Imatani
 YK:Kawabata