



Character Figures for Calcium-Flocculi.

Whole Sun Disc

1923

Observatory		April																														Mean	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		31
Cambridge/Kodaik.	K2-3	1	1	1	1	1	1	1	0.5	0.5	1	1	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1	1.2
del Ebro	K2	0.5	0.5	0.5	0.5			0.2		0	0.2			0.7	1.0	1.0		1.0					0.7		0.7	0.7	0.7		0.7	0.7	0.5	0.2	0.6
Meudon	K3		0.5		0.5	0.5			0	0	0	0			0.5	0.5		1	0.5			0.5			0.5	0.5	0.5		0.5	0.5	0.5	0.4	
Mount Wilson	K2									0		0		0	1	1	1					0	0		0	0	1	1		0	0	0	0.3
Tokyo	K2-3									0				1	1		1											1		0	0	0	0.8
Mean		0.8	0.7	0.8	0.7	0.8	1	0.4	0.2	0.1	0.4	0.3	0.8	1	1	1	1.2	1.2	1	0.8	0.5	1.1	0.8	0.7	0.9	0.9	1.2	0.7	0.7	0.6	0.4	0.8	

May

Cambridge/Kodaik.	K2-3	0.5	0.5	0.5	0	0	0	0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1	1	1	1	1	1	1	1.5	1.5	1.5	1.5	1.5	1.5	2	2	2	2	0.9
del Ebro	K2	0.2	0.2	0	0	0	0.2		0.2	0.2	0.2	0.2	0.2		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.5		0.2	0.5	0.5	0.7	0.7	0.7	0.7	0.3
Meudon	K3	0	0	0	0	0	0	0		0	0	0	0.5	0	0.5	0.5	0.5	0	0							0.5	0.5	1	1.5	1.5	1.5	1.5	0.4	
Mount Wilson	K2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	
Tokyo	K2-3	0	0	0	1							1							1								1		0	0	1	0	0.6	
Mean		0.1	0.1	0.2	0	0.2	0	0	0.2	0.4	0.2	0.2	0.6	0.2	0.3	0.3	0.4	0.3	0.4	0.6	1	0.4	0.7	0.7	0.8	0.6	0.7	0.8	1	1.1	1	1.4	0.5	

June

Cambridge/Kodaik.	K2-3	2	2	2	2	2	2	1.5	1.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.3
del Ebro	K2	0.7	1	1	1	0.7	0.7	0.5	0.2		0.2	0.2	0.2	0	0	0.2		0.2	0.7	0.7	0.5	0.5	0.2	0.5	1	0.7	0.7	0.7	0.7	1	1	0.5
Meudon	K3	1.5		1.5	1.5	1.5		0.5	0	0	0	0	0	0	0	0	0	0.5	1	0.5	0.5	0.5	0.5	0.5	1	1	0.5	0.5	1	1	0.6	
Mount Wilson	K2	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0				1	1	1	1	1	1	1	1	1	1	1	0.6
Tokyo	K2-3				2	2																		0	1	1	1	1	1	1	1	1.2
Mean		1.3	1.3	1.4	1.5	1.5	1.4	0.9	0.6	0.4	0.2	0.2	0.2	0.1	0.1	0.2	0.4	0.2	0.4	0.9	0.9	0.9	1	0.4	0.7	1.1	1	0.9	0.8	1.1	1.1	0.8

Central Zone

Observatory		April																														Mean		
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		31	
Cambridge/Kodaik.	K2-3	1*	1*	1	0	0	0	0	0	0	0.5	0.5	0.5	0.5*	1	1	1	1	0.5	0.5	0	0	1*	1*	1*	1*	1	0.5	0.5	0.5	0.5	0.6		
del Ebro	K2	1	1	0.7	0		0	0	0	0.2			1	1.2	1.5	0.5		0.5	0	0	0	0	0	0	1	1	1	0.2	0.2	0	0	0.6		
Meudon	K3		1		0.5	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4		
Mount Wilson	K2												1	1	1							0	0		1	1	1	1	0	0	0	0.4		
Tokyo	K2-3												0	1		1											1					0.6		
Mean		1	1	0.8	0.2	0	0	0	0	0	0.2	0.2	0.2	0.6	1	1.1	1	1	0.7	0.2	0.2	0	0	1	1	1	1	1	1	0.2	0.2	0.1	0.2	0.5

May

Cambridge/Kodaik.	K2-3	0	0	0	0	0	0	0	0	0.5	0.5	0.5	0.5*	0.5*	0	0	0	0	0	0.5	0.5	0.5	1	0.5	0.5	0.5	0.5	1*	1*	1*	1	0	0	0.3
del Ebro	K2	0	0	0	0	0	0.2		0.2	0.2	0.2	0.5	0.5		0	0	0	0	0	0.5	0.5	0.2	0.5	0.5	0.5	0.5	0.7	0.7	0.7	0.7	0.2	0.2	0.2	0.2
Meudon	K3	0	0	0	0	0	0	0		0	0	0.5	0.5	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	
Mount Wilson	K2	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	
Tokyo	K2-3	0	0	0	0							1		0	0	0	0	0	0	0							1	1	1	1	0	0	0.2	
Mean		0	0	0	0	0	0	0	0	0.1	0.2	0.2	0.6	0.4	0.3	0	0	0	0	0.5	0.5	0.2	0.5	0.3	0.2	0.8	0.9	1	0.9	0.5	0	0.1	0.3	

June

Cambridge/Kodaik.	K2-3	1	1*	1.5*	1.5*	1.5*	1	0.5	0	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5	0.5	1*	1*	1*	1*	0.6	
del Ebro	K2	0.7	1	1.5	1	1	0.7	0.2	0.2	0	0	0	0	0	0	0	0.2					0.5	0.7	0.7	0.7	0.5	0.2	0.2	1	1	1	1	0.5	
Meudon	K3	1.5		2	2	1		0	0	0	0	0	0	0	0	0	0	0	0	0.5	1	1	1	1	1	1	1	1	1	1	1	1	0.7	
Mount Wilson	K2	1	2	2	1	1	1	0	0	0	0	0	0	0	0	0									0	0	0	0	0	0	0	0	0.7	
Tokyo	K2-3					2	1																			0	0							0.8
Mean		1	1.5	1.8	1.5	1.3	0.9	0.2	0	0.1	0	0	0	0	0	0	0.1	0	0	0.3	0.9	0.9	1.1	0.6	0.4	0.4	0.7	1	1	1.1	0.9	0.6		

\* Days of special activity.

Character Figures for Calcium-Floculi.

Whole Sun Disc

1923

Observatory		July																															Mean	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
Cambridge/Kodaik.	K2-3	1.5		1.5	1	0.5	1	1	1	1	1	1	1	1	0.5	0.5	0.5	1	1		1						1	1	1.5		1	1	1.5	1.0
del Ebro	K2	1	1	0.7	0.2	0.2	0.2	0.5		0.5		1	1	1	0.2	0.2	0.2	0.2	0.5	0.7	0.7	0.7	0.5	0.7	0.7	0.7	0.7	0.5	0.7	0.7	0.7	1	0.6	
Meudon	K3			0.5	0	0	0	0			0	0	0	0	0.5	0.5		0.5															0.3	
Mount Wilson	K2	1	1	1	0	0	1	1	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1	1	1	1	1					0.5		
Tokyo	K2-3				0							0								1	1	1										0.6		
Mean		1.2	1	0.9	0.2	0.2	0.6	0.6	0.5	0.4	0.3	0.3	0.3	0.5	0.8	0.1	0.2	0.2	0.2	0.8	0.9	0.8	0.9	0.8	0.8	0.9	0.8	0.8	0.8	0.8	0.7	0.8	1.2	0.6

August

Cambridge/Kodaik.	K2-3	1.5	1.5	1	1	1	1	1	0.5	1	0.5	0.5	0.5	0.5	0	0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0	0	0	0	0.5	0.5	0.6
del Ebro	K2	0.7		0.7	0.7	0.5	0.5	0.5	0.5	0.5		0.2	0	0	0		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0.2	0	0	0.3	
Meudon	K3	0.5	0.5	0.5	1	0.5	0.5	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	
Mount Wilson	K2	1	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	
Tokyo	K2-3		1																												1	1.0	
Mean		0.9	0.8	0.6	0.9	0.8	0.8	0.8	0.4	0.5	0.2	0.1	0.1	0.1	0	0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0.5	0.2	0.3

September

Cambridge/Kodaik.	K2-3	0.5	1	1	1	1	1	1	1.5	1.5	1.5	1	1	1	1	1	1	1	1	1	0.5	0.5	0	0	0	1	1	1.5	1.5	1.5	1.5	1.0	
del Ebro	K2	0.5		0.7	0.7		1	1	1	1	0.7	0.7	0.7		0.7		0.7	0.7		0.2	0.2	0.2	0		0.5	0.5	0.7	1	1	1	1	0.7	
Meudon	K3	0.5	1	1	1	1	1.5	1.5		2	1.5	1	0.5	0.5	0.5		0.5		0.5	0	0		0	0.5	0.5	1	1	1	1	1	1	0.8	
Mount Wilson	K2	1	1		1	1	1	1	1	1	1						1	1	1	1	1	1	0		1	1	1	1	1	1	1	0.9	
Tokyo	K2-3																																0.9
Mean		0.6	1	0.9	0.9	1	1.1	1.1	1.2	1.4	1.2	0.9	0.7	0.8	0.7	1	0.8	0.9	0.8	0.6	0.4	0.2	0	0	0.5	0.8	0.8	1	1.1	1.2	1.2	0.8	

Central Zone

Observatory		July																															Mean
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Cambridge/Kodaik.	K2-3	0		0	0	0	0.5	0.5	0.5	0.5	0.5	0.5	0	0.5		0.5	0.5	0.5	0.5	0.5	0.5		0			0.5	0.5	1		0.5	0.5	0	0.4
del Ebro	K2	0.2	0.2	0	0.2	0.2	0.2	0.2	0.5	0.5		0.2	0	0	0	0.2	0.2	0.2	0.2	0.2	0.2	0	0.2	0.5	0.7	0.7	0.7	1	0.5	0.5	0	0.3	
Meudon	K3	0	0	0	0	0	0	0	0.5	0	0	0	0	0	0	0	0	0	0	0	0.5		0	1	1							0.3	
Mount Wilson	K2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	1	1	1	1					0.3	
Tokyo	K2-3												0																			0.2	
Mean		0.1	0.1	0	0	0	0.2	0.2	0.2	0.5	0.2	0.2	0.2	0	0.3	0.1	0.6	0.2	0.3	0.5	0.2	0	0.6	0.8	0.8	0.7	0.7	0.7	1	0.5	0.4	0	0.3

August

Cambridge/Kodaik.	K2-3	0	0	0	0	0	0	0	0	0.5	0.5	0.5	0	0	0	0	0	0.5	0.5	0	0.5	0.5*	0.5	0	0	0	0	0	0	0	0	0.1
del Ebro	K2	0		0.2	0.2	0	0	0.2	0.5	0.5		0.2	0	0	0	0	0.2	0.2	0.2	0.5		0.2	0.2	0.2		0	0	0	0	0	0	0.2
Meudon	K3	0	0	0	0	0	0	0.5	0	0	0	0	0	0	0	0	0	0	0	0.5	0.5	0.5	0	0	0	0	0	0	0	0	0	0.1
Mount Wilson	K2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Tokyo	K2-3							0	0	0																						0.0
Mean		0	0	0	0	0	0	0.3	0.1	0.2	0.2	0.1	0	0	0	0	0.1	0.2	0.2	0.2	0.3	0.3	0.2	0	0	0	0	0	0	0	0	0.1

September

Cambridge/Kodaik.	K2-3	0	0	0	0	0	0	0	0	0	0	0.5	1*	1*	1*	0.5	0	0.5	0.5	0.5	0	0	0	0	0	0	0	0	0.5	1*	1*	0.3
del Ebro	K2	0		0	0	0.2	0.2	0	0.2	0.2	1.2	1.2		1.2		0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0.2	0.5	0.7	1	0.3
Meudon	K3	0	0	0	0	0	0	0	0	0	1	1	1	0		0	0	0	0.5	0		0	0	0	0	0	0	0	0	0	0	0.2
Mount Wilson	K2	0	0		0	0	0	0	0	0	1					0	1	1	0	0	0			0	0	0	0	0	1	1		0.3
Tokyo	K2-3																															0.3
Mean		0	0	0	0	0	0	0	0	0.3	0.9	1.1	1	0.7	0.5	0	0.6	0.5	0.3	0	0	0	0	0	0	0	0	0	0.5	0.9	1	0.3

\* Days of special activity.

### Character Figures for Calcium-Flocculi.

#### Whole Sun Disc

1923

Observatory		October																															Mean	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
Cambridge/Kodaik.	K2-3	1.5	1.5	1.5	1.5	1.5	1.5	1	0.5	0.5	1	1	1	1.5	1.5	1.5	1.5			1	1		0.5	1	1	1	1			1	1.5	1	1.2	
del Ebro . . . .	K2	1	1		0.7	0.7		0.2	0	0.2	1	0.7	1			0.5	0.5	0.5		0.5				0.5	0.7	0.7	0.7	0.7					0.6	
Meudon . . . .	K3	0.5	1				0.5							0.5	0.5	0.5	0.5							1	1	1	1			0.5	0.5		0.6	
Mount Wilson . .	K2	1	1		1	1	0		0	0	1	1	1		1	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	0.7		
Tokyo . . . .	K2-3																							1				1					1.0	
Mean .		1	1.1	1.5	1.1	1.1	0.7	0.6	0.2	0.2	1	0.9	1	1	1	1	1	0.9	0.7	0.8	0.5	0.5	0	0.5	0.9	0.9	0.9	0.9	0.9	1	0.8	1	1	0.8

#### November

Cambridge/Kodaik.	K2-3	1	1	1	1	2	2	2	2	2	2	1.5	1.5		1.5	1.5	1.5	1.5	1	0.5	0.5	0.5	0.5	1	1	1	1	1	1	1	1	1.2	
del Ebro . . . .	K2			0.7	0.7	1.2	1.2	1.5				1.5	1	1	0.7	0.7	0.5	0.5	0.2				0.2	0.2	0.2				0.7	0.7	0.7	0.7	
Meudon . . . .	K3		0.5		1.5	1.5	1.5	1.5				1.5	1	1		1			0	0				0	0	0	0			0.5		1.0	
Mount Wilson . .	K2	1	1	1	1	1	1				1	1			1	1	0	0	0			0	0	0	0	0	1	1	1			0.6	
Tokyo . . . .	K2-3	1	1		1					1					1	1	1					1	1		0					0			0.8
Mean .		1	0.8	0.9	1	1.3	1.4	1.5	2	1.5	2	1.3	1.3	1	1.1	1	1	0.7	0.5	0.2	0.5	0.5	0.2	0.2	0.2	0.6	0.5	1	1	0.9	0.8	0.6	0.9

#### December

Cambridge/Kodaik.	K2	0.7			1	0.7	0.5	0.5	0.5			0.2	0.2	0.2	0.5		0.5	0.2	0.2	0.5	0.5	0.7				0.7	0.7	1	1	0.7	0.5	0.5	0.6	
del Ebro . . . .	K2																																0.4	
Meudon . . . .	K3									0	0	0	0	0	0	0									1	1	1	1			0		0.7	
Mount Wilson . .	K2		1	1	1												0					0	1	1	1	1	1	1	1	1	1	1	0.7	
Tokyo . . . .	K2-3	0		0																										0		1		0.0
Mean .		0.4	1	0.7	0.8	0.5	0.5	0.5	0	0	0.1	0.1	0.2	0.2		0.5	0.1	0.2	0.5	0.3	0.7	1	1	0.4	0.9	1	1	0.8	0.2	0.2	1		0.5	

#### Central Zone

Observatory		October																															Mean
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Cambridge/Kodaik.	K2-3	1*	0	0	0	0	0	0	0	0	0	0.5	0	1	1*	1*	1*				0	0		0	0	1*	1*	0.5*		0	0	0	0.3
del Ebro . . . .	K2	0.7	0.2		0.2	0		0.2	0.2	0.2	0.2	0.2	0.2		1	1	1	1	0.5	0.2	0			1	1	1	1	0.2		0	0		0.4
Meudon . . . .	K3	1	0			0								1	1	1	1	0.5						0	0	1	1	1		0	0		0.6
Mount Wilson . .	K2	1	0		0	0	0		0	0	1	1	0		1	1	1	1	1	0	0	0	0	0	1	1	1	1	0	0	0		0.4
Tokyo . . . .	K2-3																								1				0				0.5
Mean .		0.9	0	0	0.1	0	0	0.1	0.1	0.1	0.4	0.6	0.1	1	1	1	1	1	0.7	0.1	0	0	0	0	0.8	1	1	0.9	0.1	0	0	0	0.4

#### November

Cambridge/Kodaik.	K2-3	0	0	0	0	0	0	0	0	1.5*	1*	1.5*	1.5*		0	0	0	0	0	0.5	0.5	0.5	0.5	0	0	0	0	0	0	0	0.5	0.3	
del Ebro . . . .	K2				0.2	0	0.2					1.2	0.2	0	0.2	0.2	0	0.7	0.5				0.2	0	0.2			0.2	0.5	0.5		0.3	
Meudon . . . .	K3		0		0	0	0					0.5	0	0		0														0.5			0.1
Mount Wilson . .	K2		0	0	0	0	0				1	0			0	0	0	1	1					0	0	0	0	1					0.2
Tokyo . . . .	K2-3	0		0						0					0	0	0						1	1					0				0.2
Mean .		0	0	0	0	0	0	0	0	0.8	1	1.2	0.7	0.1	0	0	0	0.6	0.6	0.5	0.8	0.2	0	0.1	0	0	0	0.4	0.2	0.4			0.2

#### December

Cambridge/Kodaik.	K2	0.5			0.2	0.2	0.2	0.2	0.2																								0.2	
del Ebro . . . .	K2																																0.0	
Meudon . . . .	K3								0	0	0																				0			0.0
Mount Wilson . .	K2		0	0	0													0												1				0.2
Tokyo . . . .	K2-3	0		0																										0		1		0.0
Mean .		0.2	0	0.1	0.1	0.2	0.2	0.2	0	0	0	0	0	0	0.1		0.5	0.1	0	0	0	0.1	0	0	0	0	0	0.5	0.5	0.6	0.1	0.1	1	0.2

\* Days of special activity.