

### Character Figures for Calcium-Flocculi.

The character figures are assigned on the scale of 0, 1, 2, 3, 4, 5. The numbers refer to the area and intensity of the flocculi; 0 representing absence or rarity, 5 extreme abundance and intensity. As central zone a circular surface of a semidiameter of the sun's disc has been taken.

#### Whole Sun Disc

1925

Observatory		January																															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	0.5	1	1	1	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2	2	2	2	2	2	2	2	1.5	1	1	1	1	1	1	1	1	1	1.4
del Ebro . . . . .	K2		0.2	0.2	0.7		0.7	0.5	0.7	0.5	0.7	0.7	1.5	1.5		2	2	2	2	1.5	1.7	1.7		1	0.5		0.5		0.2		0.5	0.8		
Meudon . . . . .	K3	0				1	1	1	1	1	0.5	1	1		1	1	1.2	1.2	1.5	1.5	1.5		1		0.5			1	1	1	1	0.9		
Mount Wilson . . . . .	K2		0	1	1	1	1	1	1	1	1	1	1		2	2	2	2	2	2	2	2	1		1		1	1	1	1	1	1.2		
Tokyo . . . . .	K2-3																																—	
Mean . . . . .		0.2	0.4	0.7	0.9	1.2	1	1	1	1	0.9	1.2	0.9	1.5	1.2	1.7	1.7	1.7	1.8	1.9	1.8	2	1.3	1.2	0.9	0.8	1	0.8	1	0.8	1	0.8	1.1	

#### February

Cambridge/Kodaik.	K2-3	1	1	1	1	1	1.5	1.5	1.5	2	2.5	2.5	2.5	2.5	2.5	2	2	2	2	2	1.5	1	1	1	1	1	1	1	1	1	1	1.6
del Ebro . . . . .	K2	0.5	0.7	0.7		0.7	0.7	1.5	1.7	2						1.7	2	1.5		1.5	0.7					0.7	0.7	0.5				1.1
Meudon . . . . .	K3	1	0.5	1	1		1				2	2	2				2	2	2	2					0.5	0.5	0	0	0.5			1.1
Mount Wilson . . . . .	K2	1	1	1	1					2	2					2	2	2	2				1			1	0	0	0	1		1.2
Tokyo . . . . .	K2-3																															—
Mean . . . . .		0.9	0.8	0.9	1	0.8	1.1	1.2	1.5	1.9	2.2	2.2	2.2	2.2	2.5	2.1	2	1.9	2	1.8	1.1	1	1	1	0.8	0.6	0.4	0.4	0.8			1.4

#### March

Cambridge/Kodaik.	K2-3	1	1	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2	2	2	2	2	2	2	2	1.5	1.5	1.5	2	2	2	2	2	1.5	1.5	1.7
del Ebro . . . . .	K2	1			0.7	0.7	0.5	0.5	0.5	0.5	0.5	0.7	0.7	0.7	0.7	0.7	1	1	1	1	1	1	0.7				1.2	1.2	1	0.7	0.7	0.8	
Meudon . . . . .	K3	1	1					0.5	0.5	0.5		1	1			1.5			1	1	1	1	1	1	1		1					0.9	
Mount Wilson . . . . .	K2	1	1	1	1	1					1	1	1	2	2	1	1	1	1				1	1	1							1.1	
Tokyo . . . . .	K2-3					1				1	1			2	2	1	2	2	2				1	2			1					1.5	
Mean . . . . .		1	1	1.2	1.1	1.1	1	1	0.8	0.9	0.9	1.5	1	1.2	1.3	1.6	1.4	1.5	1.5	1.4	1.3	1.3	1.5	1	1.2	1.5	1.4	1.6	1.5	1.5	1.1	1	1.2

#### Central Zone

Observatory		January																															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	0.5	0.5	0.5	0	0	0.5	1	1	1	0.5	0				1	0.5	1	1	1*	1.5*	0	0	0	0	0.5	0.5	0	0	0	0	0.4	
del Ebro . . . . .	K2		0.2	0.2	0	0	0.5	0.5	0.7	0.5	0.2	0.2	0.5	0.7		0.7	0.5	0.7	0.5	0.5		0	0	0	0.2		0.5	0.5	0	0	0	0.4	
Meudon . . . . .	K3	0	0	0	0	0	1	1	1	1	0	0	0	1	1			1	1	0	0	0	0		0.5	1		0	0	0	0.5		
Mount Wilson . . . . .	K2		0	0	0	0	1	1	1	1	0	0	0			2	2	2	1	1	0	0	0		1			0	0	0	0	0.5	
Tokyo . . . . .	K2-3																															—	
Mean . . . . .		0.2	0.2	0.2	0	0	0.8	0.9	0.9	0.9	0.2	0	0.1	0.5	0.8	1.3	1.1	1.2	0.9	0.8	0.5	0	0	0	0	0.4	0.8	0.5	0	0	0	0.4	

#### February

Cambridge/Kodaik.	K2-3	0	0	0	0	0	0	0.5	0.5	1*	1*	0.5	1	1.5*	1.5*	1.5*	0.5	0	0	0.5	0.5	0	0	0	0	0.5	0.5	0.5	0.5		0.4
del Ebro . . . . .	K2	0	0.2	0.2		0.2	0.2		1	1.2	0.7					1.5	0.7	0.2		0.7	0.2					0.2	0.5	0.5			0.5
Meudon . . . . .	K3	0	0	0	0			1				1	2	2				0	0	1					0	0.5	0.5	0.5	0.5		0.6
Mount Wilson . . . . .	K2	0	0	0	0					1	0					2	1	0	1			0			0	0	0	0	0	1	0.4
Tokyo . . . . .	K2-3																														—
Mean . . . . .		0	0	0.1	0	0.1	0.1	0.8	0.8	1.1	0.6	0.8	1.5	1.8	1.5	1.7	0.7	0	0.3	0.7	0.4	0	0	0	0	0.3	0.4	0.4	0.7		0.5

#### March

Cambridge/Kodaik.	K2-3	0.5	0	0.5	0.5	0.5	1	1	1	0.5	0	0.5	0.5	0.5	0.5	1*	1*	1*	1*	0.5	0.5	0.5	0	0	0	0	1	1*	1.5*	1	0.5	0	0	0.6
del Ebro . . . . .	K2	0.2			0.5	0.5	0.5	0.5	0.2	0.2	0.2		0.5	0.5	0.2	1.2	1	1.2	1.2	0.5	0.5	0.2					1.5	1		0.2	0	0	0.5	
Meudon . . . . .	K3	1	0.5					0.5	0	0			1	1		2	2	2	0.5			0	0	0	1			0			0	0.5		
Mount Wilson . . . . .	K2	1	0	1	1	1						1	1	1	2	2	2	2	1	0	0				0	1	2					1.0		
Tokyo . . . . .	K2-3					1				0	0			1	1	1	1	2	2	0		1	0				0				2	0.8		
Mean . . . . .		0.7	0.2	0.8	0.7	0.7	0.8	0.8	0.6	0.2	0	0.5	0.8	0.8	0.7	1.4	1.4	1.6	1.3	0.3	0.3	0.6	0	0	0	0.7	1.5	0.8	1.2	0.5	0.4	0	0.5	0.7

\* Days of special activity.



Character Figures for Calcium-Flocculi.

Whole Sun Disc  
1925

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	2.5	2.5	3	3	3	3	3	3	3	3	2.5	2.5	2	2	2	2	2	2	2	2	2	1.5	1	1.5	1.5	2	2	2	2	2.5	2.5	2.3
del Ebro . . . . .	K2	2.5	2.5	3	3.2		3	3	3		2.7	2.7	2.2	1.7	1.5	1.5			1.7		1.5	1.2		1.2	1.2		1.2	1	1.2		1.5	2.0	
Meudon . . . . .	K3	2	2				2	2		2	2.5	2.5	2.5	2	1.5	1.5	1.5	2	2	2	2	1.5	1.5		1			1.5				1.8	
Mount Wilson . . . . .	K2	2	2	2	3	2	3	3	3	3	2	3	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	2	2	2	1.9	
Tokyo . . . . .	K2-3	2	2	2	3				3					2	2	3	2	2	2	3	2	3	2	2	1	1			3	2	2	2.2	
Mean . . . . .		2.2	2.2	2.5	3	2.5	2.8	2.8	2.8	2.7	2.6	2.7	2.3	1.9	1.8	1.8	2.1	2	1.9	2.2	1.8	1.7	1.5	1	1.2	1.1	1.4	1.4	1.7	2.3	2.2	2	2.1

August

Cambridge/Kodaik.	K2-3			2	2	1.5	1.5	2	2	2		2.5	2.5	2	2	1	1	1	1	1.5	1.5	1.5	1.5	1.5	2	2	2	2	2.5	2.5	3	3	1.9	
del Ebro . . . . .	K2	1.5	1.5		1.5	1.5	2	1.7	1.7		1.5	2	2	1.7	1.5	1.2	1.2	1.2	1.5		1.5	1.5	1.5	2	2	2	2.2	2.7	3	3	3	1.9		
Meudon . . . . .	K2	2	2	1.5	1		1	2	2		2	2	2	1.5	1	1	1	1			2	2		2.5	2.5							1.8		
Mount Wilson . . . . .	K2	2	2	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	2	2	2	2	3	2	2			1.6		
Tokyo . . . . .	K2-3	2	2					2	2	3	2	3	3																			2.6		
Mean . . . . .		1.8	1.9	1.5	1.4	1.2	1.2	1.7	1.7	1.7	2.5	2	2.3	2.2	1.6	1.4	1	1	1.1	1.3	1.2	1.3	1.8	1.8	1.8	2.2	2.1	2.1	2.6	2.4	2.5	3	3.2	1.8

September

Cambridge/Kodaik.	K2-3	3	3	3	3.5	3.5	3.5	3	3	3	3	2.5	2.5	2	2	2	2	1.5	2	2.5	3	3	3.5	3.5	3.5	3.5	3.5	3	3	3.5	3.5	2.9
del Ebro . . . . .	K2	2.7	2	2.5	2.5	2.7				2.5	2.2		2.2	2.2	1.5	1.5	1.5	1.5	1.7	2		2.7		3	3	3.2	3.2	3	3	3	2.4	
Meudon . . . . .	K3		2.5	2.5	2.5	2.5	2.5	2	2		2	2	2	1.5	1	1	1	1	2	2.5	2.5	2.5										2.3
Mount Wilson . . . . .	K2	2		2	2	2				2	2	2	2	1	1	1	2	2	2	2	2	2	3	3	2	3	2	3	3	3	2	2.1
Tokyo . . . . .	K2-3	3	3					2	3				2																			2.6
Mean . . . . .		2.7	2.6	2.5	2.6	2.7	3	2.3	2.7	2.5	2.3	2.2	2.2	1.7	1.4	1.4	1.8	1.7	1.9	2.2	2.5	2.5	3.1	3.2	2.9	3	2.9	3	3	3	2.7	2.5

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	0.5	1	1*	1*	1*	1.5	1.5*	1.5*	1.5*	1	0.5	1	1	1	1*	1.5*	1.5*	1.5*	1	1		0.5	0	0	0	1*	1*	1*	1*	0.5	0.5	0.9	
del Ebro . . . . .	K2		1.7	2.7	2.2		1.7	2.5	3		1.7	1.7	2	1.5	1.7	1.7			1.2		1.5	1		0.2	0.2		1.5	1.5	1.5		0.7	1.6		
Meudon . . . . .	K3	0.5	1				1.5	2		2	1	1	1	1	1	1.5	2	2	1	1.5	1.5	1.5	0.5			1	1	1	1	1	1	1.3		
Mount Wilson . . . . .	K2	1	1	2	2	2	2	3	3	2	2	2	2	1	1	2	3	3	2	1	1	1	1	0	0	0	1	1	1	1	1	1.4		
Tokyo . . . . .	K2-3		0	1	2				3		2	1	1	2	2	3	3	3	1	1	1	1	2	0	0	0	0	0	0	0	0	1.3		
Mean . . . . .		0.7	0.9	1.7	1.8	1.5	1.7	2.2	2.6	1.8	1.4	1.3	1.2	1.1	1.5	1.8	2.4	2.1	1.1	1.1	1.1	1.2	1.4	0.2	0.2	0	0.5	1.2	1.1	1.2	1.7	0.5	0.6	1.3

August

Cambridge/Kodaik.	K2-3			1	1	0.5	0.5	0.5	0.5	0.5		1	1.5		1	1	0.5	0	0	0.5	0.5	0.5	0.5	0.5	0.5	0	0	0.5	1	2*	1.5*	1.5*	1*	0.7
del Ebro . . . . .	K2	0.7	1		2.7		1.5	1.7	1.2	1.5		1.7	2	2	1.5	1.5	1	0.5	0.5	0.7		1.5		0.2	0.2	0.5	0.7	2.2	3	2	3.2	2.7	1.5	1.5
Meudon . . . . .	K3	0.5	1	1	1	1	1	1	1	1		1.5	2	2	1	1	1	0		0.5			1	0		0	1.5						1.0	
Mount Wilson . . . . .	K2	1	1	2	2	1	1	1	1	1	2	2	2	2	1	1	1	0	0	1	1	1	1	1	1	1	0	2	3	2	2	2	1.3	
Tokyo . . . . .	K2-3		0						2	1	1	2	3	3																			1.6	
Mean . . . . .		0.7	0.8	1.3	1.7	0.8	1	1.1	1.1	1	1.5	1.6	2.1	2.2	1.1	1.1	0.9	0.1	0.2	0.5	0.8	1	0.8	0.5	0.6	0.1	1.2	2.3	2.3	1.8	2.2	1.8	1.2	1.2

September

Cambridge/Kodaik.	K2-3	1.5*	1*	1.5	2	2*	2*	1.5	2	2	2	1	1	0.5	0.5	0.5	1*	0.5	1	0.5	0	0.5	1.5*	2.5*	2.5*	2.5*	2	1.5*	1.5*	1.5*	1.5*	1.4	
del Ebro . . . . .	K2	1.5	1.2	1.7	2.2	3			2.2	2.2		2.2	1.2	0.7	1.5	1.5	1.2	1.2	0.7			3.2		3.5	3.2	3	2.2	2	2	2	2	2.0	
Meudon . . . . .	K3		1.5	2.5	2.5	3	2.5	1.5	2		1	1		0.5	0	1	1	0	0	1					4	2.5	2	2	2	1	1.5		1.5
Mount Wilson . . . . .	K2	2		2	3	3				2	2	2	2	1	0	1	1	2	2	0	0	2	3	3	3	3	2	2	1	1	2	1.8	
Tokyo . . . . .	K2-3	1	1					2	2			1																					1.4
Mean . . . . .		1.5	1.2	1.9	2.4	2.8	2.2	1.7	2	2.1	1.8	1.3	1.6	0.8	0.3	1	1.2	1.2	1.3	0.3	0	1.2	2.6	2.8	3.2	2.8	2.2	1.9	1.5	1.4	1.7	1.7	

\* Days of special activity.

Character Figures for Calcium-Flocculi.

Whole Sun Disc

1925

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	3	3.5	3	3	3	3	3	2.5	2	2	2	2	2.5	2.5	3	3	3.5	3.5	3.5	4	4	4	4	4	4	4	3.5	3	4	3			3.1
del Ebro . . . .	K2	2.7			2	2		1.7				1.7		1.7	2.5	3	3	3.2	3.2	4	4	4	4	3.7	3.7	3.2	3.2	2.5	2.5	2.7			2.9	
Meudon . . . .	K3	2.5		2		2	2		1.5	1.5	1.5	2		2.5	3			4			4		4		4	3.5		2	2	2			2.6	
Mount Wilson . .	K2	3	2	2				2	2	1					2	2	3	3		3	3	3		3	3	3	3	2	2	2			2.4	
Tokyo . . . .	K2-3											1		2							4	4			4	4	4	4	3		2			3.1
Mean . . . .		2.8	2.8	2.3	2.5	2.3	2.5	2.2	2.5	1.7	1.8	1.8	1.7	2	2.2	2.5	2.7	3	3.4	3.2	3.6	3.8	4	4	3.7	3.6	3.6	3.4	2.5	2.6	2.3	2.2		2.8

November

Cambridge/Kodaik.	K2-3	2.5		2.5	3	3	3			3		3	3	3	3	3		3	3				3.5	3.5	3.5	3.5	3.5	3.5		3.5	3.5			3.1
del Ebro . . . .	K2	1.7		1.7	1.7	2			2		1.7	1.7		2.2	2.5	2.5		2.7	2.7					3	2.7		2.5			2.5				2.2
Meudon . . . .	K3	2	2			2				2	2	2	3	3	3	3	3	3	3								3	3	3.5					2.6
Mount Wilson . .	K2			3		3	2	2	2	2	2	3	3	3	3	3	3	3	3							3	3	3	3	3				2.7
Tokyo . . . .	K2-3			3	3	3	2	2	2	1					4	4							3		3		4		4	4				3.1
Mean . . . .		2.1	2	2.6	2.6	2.8	2.2	2	2	2	1.9	2.2	3	2.7	3.1	2.8	3.5	2.8	2.9	3	3	3	3	3.5	3.5	3.1	3.2	3	3.5	3.3	3.7	3.2		2.8

December

Cambridge/Kodaik.	K2-3	3	3	3	3	3				3	3			3	3	3.5	3.5	3.5	4	4	4	4	4	4	4	4	4	4	3.5	3	2.5	2.5	3.4	
del Ebro . . . .	K2	2.7								2.2				3	3	2.7	3.5	3.7	3.5		4	4	3.5		4	4	4	3.7	3.2	2.7	3	2.5		3.1
Meudon . . . .	K3		2.5	2	2.5	3	3	3			3				4	4			4							4	4							3.2
Mount Wilson . .	K2			3	2	3	3	3	2	2	3	3	3	3	3	3							5	5	5	5	5	5	5	3	3			3.5
Tokyo . . . .	K2-3		3	3						3	3	3	3	3		4	4			4			4	4	4	4	4		3		3			3.4
Mean . . . .		2.8	2.8	2.8	2.5	3	3	3	2	2.4	3	3	3	3	3	3.3	3.8	3.8	3.8	4	4.5	4.2	4	4.2	4.2	4.5	4.2	3.1	3.1	3	2.8	2.5		3.3

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	1	2*	2*	2	2	2	1.5	1.5	0.5	0	0	0.5	1	1	1.5	1.5*	2*	2*	2.5*	3*	2.5*	2	2	1.5	1	1	1.5	1	1			1.4
del Ebro . . . .	K2	1.2			2.5	1.7		1.7					1		1.5	1.7	1.7	2.2	2.7	3.2	4.2	4.2		4.2	4.2	1.7	2.7	3		1	1	1.7		2.4
Meudon . . . .	K3	2		3		2	2			1	0	0	1		1	1			3.5				4.5		3.5	2.5	2		1	0.5	1			1.8
Mount Wilson . .	K2	2	2	3				2	2	1					1	2	2	3	3	3	4	3		4	3	2	2	1	1	1	1	1		2.0
Tokyo . . . .	K2-3			3	3	3	1	1		1			0		0							3	4		3	3	3	2	1	1	1	1		1.9
Mean . . . .		1.6	1.5	2.7	2.2	1.9	2	1.9	1.8	1.2	0.2	0	0.5	0.5	0.9	1.2	1.7	1.9	2.8	2.7	3.4	3.7	2.5	3.2	2.9	2	2.2	1.8	1.1	0.9	1	1.2		1.8

November

Cambridge/Kodaik.	K2-3	0.5		1.5	2	2	1.5			1		1.5	2*	2*	2*	2*		1.5	1.5								2*	2*	2*	2*	2*			1.7	
del Ebro . . . .	K2	1.2		2.2	2.5	1.7			1.2		1.5	1.5		2.2	3	3.2		2.2	1.7								2	2.2		2.7			1.2		2.0
Meudon . . . .	K3	1	2				1				1							2									3	3	3	2					2.0
Mount Wilson . .	K2			3		3	1	1	2	2	1	2	3	3	4	2	3	2	2	3	2					3	3		2					2.4	
Tokyo . . . .	K2-3			3	3	3	1	1		1			1		3	3		3							4			4		1	1				2.1
Mean . . . .		0.9	2	2.4	2.5	2.4	1.1	1	1.6	1.3	1.2	1.7	2.5	2.4	3	2.4	3	1.9	1.7	2	2	1	2	2.7	2.1	2.5	2.7	3.5	2.3	1.3	1.1			2.0	

December

Cambridge/Kodaik.	K2-3	1.5	1.5	2*	1.5*	1.5*					1.5*	1.5*		1	1	2*	2*	2*	2*	2.5*	2*	2*	2.5*	3*	2*	2*	2*	2*	1	1			1.8		
del Ebro . . . .	K2	1.7								2.5						2.2	3.2	3.2	3										2.2	2	2.5	1.5			2.6
Meudon . . . .	K3		2	2.5	2	2	1	2			3				3	3					3.5						3.5	3							2.5
Mount Wilson . .	K2			3	2	2	2	1	2	3	3	3	2	2	2	3								4	4	4	4	5	4	4		3	2		2.9
Tokyo . . . .	K2-3		3	3						3	3	3	2	2	2	2	2							2		3	2				1				2.3
Mean . . . .		1.6	2.2	2.6	1.8	1.8	1.5	1.5	2	2.3	2.6	3	2	1.5	1.3	2.6	2.6	2.6	2.5	2.7	3	2.9	3.2	3.2	3.1	3	3.1	2.6	2	2.5	1.4	1		2.3	

\* Days of special activity.