

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

1921

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.	2	2	1.5	1.5	1.5	1.5	1	1	1						2	2	2	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1	1	1	1.5	
del Ebro			1.7	1.5		1	0.7		1	1.5	1.2	1.5		1.7		1.7	1.5			1	1.2	1.5	1.5	1	0.7	1	1.2	1.2	1.2	1	1	1	1.2	
Meudon											2				2																			
Mount Wilson	3		3	2	2	1.5	1.5	1.5	2		2	2	3	2										2	2	3			2		2	2	2	2.1
Tokyo					2	2	2	1	2	2	2	2			3	3		2		2	2	2	3	2		2	1		2	2	2	2	2.1	
Mean	2.5	2	2.1	1.7	1.8	1.5	1.3	1.2	1.5	1.8	1.7	1.8	3	1.8	2.5	2.2	1.8	1.8	1.8	1.5	1.6	1.7	2	1.6	1.4	1.9	1.2	1.4	1.7	1.3	1.5	1.8		

February

Cambridge/Kodaik.	0.5	0.5	1	1	1	1.5	1.5	1.5	1.5	1.5	1.5	1	1	1.5	1.5	1	1	1	1	1	1	1	1	1	1	0.5	0.5	0.5	1				1.1	
del Ebro		0.7		0.7		0.7		0.7	1	1	1	0.7		1	1																		0.7	0.9
Meudon				1.5	1.5										1.5					2	2	2	2	2	2			1.5	1				1.7	
Mount Wilson			2	2	2	2	2	2	2	2	2	2	2	1	1.5		1.5	2	2	2	2	2	2	1		1	1	1.5					1.7	
Tokyo	2	2			2	2	3	3	2		2		2	2	2	2	2	2	3			3		2	1	2	2						2.2	
Mean	1.1	1.2	1.2	1.5	1.4	1.8	1.8	1.9	1.5	1.6	1.5	1.4	1.7	1	1.4	1.5	1.5	1.5	1.6	1.8	2	1.7	2	1.3	1.2	0.8	1.2	1.2					1.5	

March

Cambridge/Kodaik.	1	1	1	1	1	1	1	1	1	1	1	1.5	1.5	1.5	2	2	2	2	2	2	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2	2	2	1.5
del Ebro		0.7	1	1	1			1.2	0.7	0.7	1				1.5	1.5	2	2			1.2	1	1.2	1	1.2	1.7		1.7	1.7				1.3	
Meudon		1.5	1.5	1.5	1.5		1	1	1	1	1.5	2	2	2	2	2	2	2	2	2	1	1.5	1.5	1.5	1.5	2	2		2	2	2	2	1.7	
Mount Wilson	2	2	2		2		2*		1					2	2.5	2.5	2	2	2	2	2	2	1	1	2	2	2	2	2.5	2	2	2	1.9	
Tokyo				2	2	2	1	1	1	1			2	2		3	3	3				1	2	2				2	3	2			1.9	
Mean	1.3	1.4	1.4	1.3	1.6	1.5	1	1.2	0.9	0.9	1.2	1.8	1.8	1.8	1.9	2	2.3	2.2	2.2	1.7	1.6	1.4	1.4	1.4	1.7	1.8	1.8	1.7	2	2.2	2	1.6		

April

Cambridge/Kodaik.	2	1.5	1	1	1	1	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	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1	1	0.5	0.5		1.3	
del Ebro				1	1.2	1	1.5				1.5	1.7	2	2		1.5	1.5	1.5	1.5	1.2	1.2	1.5	1.5	1.5	1.2	1.2	1.2	1	0.7	0.7		1.3	
Meudon		1.5	1.5	1.5		1	1	1	1.5	1.5	2		2	2	2	2	2	2	2	2	1.5	1.5						1	1	0.5			1.5
Mount Wilson	2	1	1		1	1.5	1							2	2	2	2	2	2	2	1.5	1.5	2	2	2	2	1.5	1	1	1	0.5	1.5	
Tokyo	2				1				2	2	2		3	3	3		3			3		3		2	2		1					2.2	
Mean	1.9	1.3	1.2	1	1	1	1.1	1	1.5	1.8	1.7	1.7	1.8	2.2	2.1	2	1.7	1.8	1.9	1.6	1.6	1.6	2	1.7	1.6	1.6	1.3	1	0.8	0.6		1.5	

May

Cambridge/Kodaik.	0.5	0.5	0.5	1	1	1	1	1	1	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1	1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.9
del Ebro		0.5	0.5	0.5	0.5	0.5				1	1		1.2		1.7						0.7	0.7	0.2	0.5	0.5	0.5	0.5	1	1	1	1	0.8	
Meudon		0.5	1						2	2	2		2	2			2	2	1	0.5	0.5	0.5	0.5				1	1	1	1	1	1.2	
Mount Wilson	1	1					1	1	1.5	2	2	2	2		*						0.5	0.5	0.5	0.5			0.5	1	1	1	1.1		
Tokyo			1					2					2	3			2	1		1			1			1	1	2	1			1.5	
Mean	0.6	0.8	0.7	1	0.8	0.8	1	1.3	1.3	1.5	1.6	1.8	1.6	1.8	1.8	2.2	1.6	1	1.7	1.2	0.8	0.7	0.6	0.6	0.5	0.5	0.5	0.9	1	0.9	0.9	1.1	

June

Cambridge/Kodaik.	0.5	1	1	1	1.5	1.5	1.5	2.5	2.5	2.5	2.5	2	1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1	1	1.5	1.5	1.5	1.1	
del Ebro		0.7	1	1	1.2		2.2	2.2	2	2	1.7	2	2		1.5	0.5	0.2	0.2	0.2	0.2		0.5	0.7	1	1.2	1.5	1.5		1.7			1.2	
Meudon		1	1				2	2	2.5	2	2	2		2	2	1	0.5	0.5	1			1.5	1.5	2	2.5	2.5		2.5	3			1.8	
Mount Wilson	1		1	1	2	2	2	2	2	2.5	2.5	2	2	1		0	0	0	0	0.5	1	1	1	1	2	2	2	2	2	2		1.4	
Tokyo			2				2	3															1										—
Mean	0.8	1	1.2	1	1.4	1.8	1.9	2.1	2.2	2.2	2.2	2.1	2	1.3	1.3	0.5	0.3	0.3	0.4	0.4	0.8	0.7	0.9	1	1.4	1.8	1.8	1.8	1.9	2.2		1.4	

* = Low weight.

a = Very bright H α and K $_2$ large group.

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.

Central Zone

1921

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.	2.5*	0.5	0.5	1*	1.5*	1.5*	1.5*	1	1						2.5*	2.5*	2*	1.5*	1.5*	1.5*	0.5	0.5	0.5	1.5	2*	2*	2*	2	1	0.5	1	1.4	
del Ebro			0.5	1		1	1		0.5	1	1.2	0.5		2		2.2	1.2			0.2	0.5	0.5	0.7	1.5	1.7	1.7	1.7	1.2	0.7	0.5	0.5	1.0	
Meudon				2	2						1.5				2				1.5														—
Mount Wilson	2		1	2	2	2	2	1.5	2		2	1	3	3										3	3	3			1		1	2.0	
Tokyo					2	2	2	2	2	2		1			3	3		2			1	0	1	1	2		3	2	1	1	2	1.8	
Mean	2.2	0.5	0.7	1.3	1.8	1.6	1.6	1.5	1.4	1.5	1.6	0.8	3	2.5	2.8	2.4	1.6	1.8	1.5	0.9	0.3	0.7	0.7	2	2.2	2.4	1.9	1.6	0.9	0.7	1.5	1.5	

Observatory	February																															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.	0.5	0.5	0.5	1.5*	1.5*	2*	2*	1.5	1	1.5*	1.5*	2*	1.5	0.5	0.5	0.5	0.5*	1.5*	1.5*	1.5*	1*	1.5*	1.5*	0.5	0	0	0	0.5				1.0
del Ebro	0.5		1		1.5		1.5	0.2	1	1.2		1.2		0.5	0.7				1.7												0.2	0.9
Meudon				2	2										1					2	2	1	1	1	0.5			0	0			1.1
Mount Wilson			2	3	3	2	2	0.5	2	3		2	1		1	2		2	2.5	3		2.5	1	1		0.5	0.5	1				1.8
Tokyo	2	2			3	3	3	1		2			2		1		2	3	3	2	2		2			0	0	1	1			1.8
Mean	1	1.2	1.2	2.2	2.2	2.3	2.1	0.8	1.3	1.9	1.5	1.7	1.5	0.5	0.8	1.2	1.2	2.2	2.1	2.1	1.3	1.7	1.4	0.7	0	0.2	0.4	0.5				1.3

Observatory	March																															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.	0.5	1.5*	1.5*	2*	2*	1.5	0	0.5	1	1	1	1.5	1.5*	1.5*	2*	2*	2.5*	2.5*	3*	2.5	1.5	0.5	0	0	0	1.5*	2*	2*	3*	2*	2*	1.5
del Ebro		0.7	1.2	2	2			0.5	0.7	0.2	0.7				1.5	1.7	2.5	2.7		0.5	0.2	0.2	0.2	1	1.7		2	1.7			1.2	
Meudon	1	1	1.5		1.5		0.5	0.5	0.5	0.5	1.5	1.5	2	2	1.5	2.5	2	2	1	0.5	0	0	0.5	2	2			2	1.5	1.5	1.2	
Mount Wilson	2	2	3		2			3**		1					3	3	3	3	3	2	1	0	0.5	0	2	3	3	3.5	2.5	2	2	2.2
Tokyo				3	3	1	0	1	1	1				2	2		3	4	3			0	0	0				3	3	2		1.8
Mean	1	1.4	2	2.3	2.1	1.2	0.2	1.1	0.8	0.7	0.7	1.5	1.5	1.8	2.1	2	2.7	2.8	2.8	1.8	0.9	0.1	0.1	0	0.9	2	2.3	2.5	2.4	2.1	1.9	1.5

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.	1.5*	0.5	0.5	1	0.5	0.5	0.5	0.5	0.5	1.5*	1.5*	2*	1.5	1.5	1.5	2*	1.5*	1.5*	0	0.5	1.5*	2*	2.5*	2.5*	2*	1.5	0.5	0.5	0	0	1.1	
del Ebro				1	0.2	0.7	0.7			1.7	1.7	1.7	1.5		1.5	1	0.7	0.2	0.5	0.7	1.7	2.7	2.7	1.5	0.7	0.7	0.5	0.5	0.5		1.1	
Meudon	1	0.5	0.5		0.5	0.5	0.5	1	2			1.5	1		2		1	0	1	1	2							0	0	0	0.8	
Mount Wilson	1	1	1		1	1	0.5								2.5	2*	2	1.5	0	1	2	2.5	3	3	2	1.5	0.5	0.5	0.5	0.5	1.4	
Tokyo	2				1			1	1	1				2	3	3			0					4			1	1	1		1.6	
Mean	1.4	0.7	0.7	1	0.6	0.7	0.7	0.5	0.8	1.5	1.4	1.7	1.4	1.7	2.2	2.1	1.5	1.2	0	0.8	1.3	2	3	2.7	1.8	1.2	0.7	0.4	0.4	0.2	1.2	

Observatory	May																															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.	0.5	0.5	0.5	0.5	0	0.5	0.5	1	0.5	1	1	1.5	2.5*	2.5*	2.5*	2*	1.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5*	0.5*	0	0	0	0.5	0.8
del Ebro		0.2	0.2	0.5		0.2	0.5			0.7	0.7		2.2			0.7									1	1.2	0.5		0.2	0.2	0.2	0.5	0.5
Meudon		0.5	0.5			0.5				0.5	0.5	0.5			3	3				0.5	0.5	0.5	0.5	1	1	1			0	0	0	0.5	0.8
Mount Wilson	1	1						1	1	1	2	3	3	3										1	1	1	0.5	0		0.5	0.5	1.3	
Tokyo				1				2							3	3							1	1				0	1	1		1.4	
Mean	0.6	0.6	0.7	0.5	0.1	0.5	0.5	1.3	0.7	0.8	1	2.2	2.6	2.8	2.8	2.5	1.1	0.5	0.7	0.7	0.5	0.7	0.8	0.9	0.8	0.5	0.1	0	0.3	0.4	1.2	0.9	

Observatory	June																															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.	1	1.5	1.5	1.5*	1.5*	1*	0.5	1	3*	3*	3*	2.5*	1.5*	0.5	0.5	0	0	0	0	0	0	0.5	0.5*	0.5*	0.5*	0.5	0.5	0.5	1.5	2.5*	2.5*	1.1
del Ebro		1.2	1.5	2		1.2		0.5	2.2	2.7	3	2.7	2.2	0.7		0.5	0.2	0.2	0.2	0.2	0.2		0.5	0.7	1	0.6	0.7	0.5		2.5		1.2
Meudon		1.5	2					0	2	3	3	3	2		1	1	0	0	0	0				1.5	1.5	1.5	0.5	0.5		3	3.5	1.5
Mount Wilson		1.5		2	2	1	0.5	1	3	3.5	3.5	3.5	2	1	1		0	0	0	0	0.5	1	1	1	1	1	1.5	1	2	3.5	3.5	1.5
Tokyo			3				0	1																1								—
Mean	1.3	1.7	2.1	1.8	1.2	0.8	0.4	1.8	3	3.1	3	2.2	1.1	0.8	0.7	0	0	0	0	0.2	0.8	0.7	0.9	1	0.9	0.8	0.6	1.8	2.9	3.2	1.3	

* = Days of special activity in central zone. ** = Low weight.
a = Very bright K₂ north central group.

