

BULLETIN FOR CHARACTER FIGURES OF SOLAR PHENOMENA

Published by the Eidgen. Sternwarte in Zürich

Co-operating Observatories: Arcetri-Firenze, Cambridge (England), Catania, Coimbra, del Ebro, Ewhurst (Mr. Evershed), Greenwich and Cape-Town, Kodaikanal, Kyoto-Kwasan, Lyons, Madrid, Kiew, Meudon-Paris, Mount Wilson, Roma/Campid., South Hadley, Stonyhurst, Tokyo, Zürich.

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

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		
Arcetri/Firenze	K3																																	
Cambridge/Kodaikl.	K2-3	3.5	3.5	3.5	3.5	3.5	3	3	3	2.5	2.5	2.5	2.5	2.5		2.5	2.5	3	3	3			3	3.5	4	4	4	4	4	4	4	3.5		
Coimbra	K3																																	
del Ebro	K2	4		4.5	3.5		2.5	2.5	2.5	2	2	2		2.5	1.5				2			2												
Kwasan	K2	4		4	4	4				3	3				2.5			3	3			3.5	3.5	3.5	4			4.5						
Meudon	K3									3						2				2.5			3.5	4	4									
Mount Wilson	K2-3	3	3	3	3		2			2			2	2			2				2	3	3	3	3	3	3							
Tokyo	K2-3																																	
Mean		3.6	3.2	3.8	3.5	3.8	2.6	2.8	2.6	2.2	2.4	2.2	2.2	2.3	2	2.2	2.5	3	2.4	2.8	3.2	3	3.3	3.7	3.5	3.5	4	4.2	4	4	4	3.8	3.1	

February

Arcetri/Firenze	K3						3.5		3																										
Cambridge/Kodaikl.	K2-3	3.5	3.5	3	2.5	2.5	2	2	2	2.5	2.5	2.5	2.5	2.5	3	3	3	3	3	3	3	2.5	3	4	3.5	3.5	3.5	3.5	3.5	3					
Coimbra	K3								1.5				1.5																						
del Ebro	K2				1.5	1.5	2									2.5									3	2.5	2.5	2.5							
Kwasan	K2		3.5	3								3		3	3	3.5	3.5																		
Meudon	K3			2	2	2	2	2.5	2.5	3			2	2	2.5			4							3	3									
Mount Wilson	K2-3			3	2	3	2	3	3	3																									
Tokyo	K2-3																																		
Mean		3.5	3.5	2.8	2	2.2	2.3	2.2	2.6	2.8	2.8	2.5	2.2	2.5	2.5	3	3.2	3.5	3.2	3.2	3.2	2.5	3	4	3.2	2.9	2.9	3.1	3.8	3			2.9		

March

Arcetri/Firenze	K3																																		
Cambridge/Kodaikl.	K2-3	3	3	2.5	2.5	2.5	2.5	2.5	2.5	2	2	2.5	2.5	2.5	3	3.5	3.5		3.5	4	4	4	4	4	3.5	3	3.5	3.5	3.5	3.5	3.5	4			
Coimbra	K3		2	2	2	2	2						1.5	1.5																					
del Ebro	K2	1.5			2	2.5	2								2	2.5	2																		
Kwasan	K2					3							3.5			3		4		4	4	4	3.5			2.5	2.5	2	2.5	2.5	3.5	4	3.5		
Meudon	K3						2			2				2	2	2		2.5	2.5	3	2.5	2.5	3	2.5	2	2	1.5		2.5			2.5	2.3		
Mount Wilson	K2-3	3	3	3	3	3	3		3	3	3	3	3	3	3	3		3	3	3	3	3	3	3	3	3	3	3							
Tokyo	K2-3																																		
Mean		2.5	2.7	2.5	2.5	2.5	2.4	2.2	2.8	2.3	2.5	2.6	2.2	2.4	2.6	2.9	3.3	2.8	3.3	3.2	3.2	3.3	3.2	2.5	2.5	2.5	2.5	2.6	2.9	3.5	3.5	3.2	2.8		

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		
Arcetri/Firenze	K3																																	
Cambridge/Kodaikl.	K2-3	3*	2.5*	2.5*	2.5*	2.5*	1.5*	0.5	0.5	1	1	1	0.5	0.5		1	1.5*	2*	2.5*	2.5*			1	1	1.5	2	3*	3.5*	3.5*	3.5	2.5	2.5		
Coimbra	K3																																	
del Ebro	K2	2.5		3	2.5		0.5	0.5	1	0.5	0.5	0.5		0.5	1					1.5														
Kwasan	K2	2.5		2.5	3	2.5			1.5		1.5						2	2.5			3.5	3.5	2.5									3		
Meudon	K3						1					1				1			2			1.5	1.5	1.5										
Mount Wilson	K2-3	2	2	3	3		1		1		1		1	1			2		2	3	2	2	1	2	3	3								
Tokyo	K2-3																																	
Mean		2.5	2.2	2.8	2.8	2.5	1	0.5	1	0.8	1	0.8	0.8	0.7	1.5	1	1.8	2.2	2	3	2.8	1.8	1.2	1.8	2.2	2.5	3	3.8	3.5	3.5	2.5	2.8		

February

Arcetri/Firenze	K3						2		1																										
Cambridge/Kodaikl.	K2-3	1.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1	1.5	1.5	2*	2.5*	3*	2.5	2.5	2	1.5	1.5	2.5	3.5*	3.5*	3	2.5	3*	3*	3*	2.5*						
Coimbra	K3								0.5					1																					
del Ebro	K2				0.5	1	0.5																												
Kwasan	K2		0.5	0.5							1.5					3	3	2.5		3.5	2				1.5	2	2	1.5							
Meudon	K3			0.5	1	1	1	1	0.5	1																									
Mount Wilson	K2-3			1	1	1	1	1	1	1																									
Tokyo	K2-3																																		
Mean		1.5	0.5	0.6	0.8	0.9	1	0.8	0.8	0.8	1.2	1.5	1.9	2.7	2.8	2.5	2.5	2.2	2.2	1.5	1.8	2.5	3.5	3.5	2.3	2.4	2.5	2.6	2.5	2.2		1.9			

March

Arcetri/Firenze	K3																																	
Cambridge/Kodaikl.	K2-3	2*	2*	2.5*	2.5*	2.5	1.5	1	0.5	0.5	0.5	1	1.5*	2*	2.5*	3*	2.5*		2.5*	3*	3*	3*	2.5*	2	2	2.5*	2.5*	3*	3*	2.5	3.5			
Coimbra	K3		1.5	1.5		1	0.5					1	1																					
del Ebro	K2	1			1.5	1	1.5	1						1.5	1	0.5																		
Kwasan	K2					2.5						2.5				2	3			1.5	2.5	3.5	2.5											
Meudon	K3						1.5		0				2	2	2	2	3	3	3	3	2.5	2.5	2	1.5	0.5	2	2							
Mount Wilson	K2-3	3	3	2	3	3	2		1	1	2	3	3	2	2	2	3	3	3	3	3	3	2	2	2									
Tokyo	K2-3																																	
Mean		2	2.2	2	2.3	2	1.4	1	0.8	0.5	1.2	1.9	1.9	1.9	1.9	2.1	2.8	3	2.6	2.8	2.8	2.5	2	1.2	1.7	2	2.1	2.3	2.1	2.5	3.2	3.7	2.1	

* = Days of special activity in central zone.

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Character Figures for Calcium-Flocculi.

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Whole Sun Disc

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	
Arcetri/Firenze	K3																																	
Cambridge/Kodaikl.	K2-3	4	4	4	3.5	3	3.5	3	3	2.5	3	3.5	3.5	3.5	3.5	3.5	4	3.5	3.5	3	3	3	3	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	4		3.4
Coimbra	K3		2																															2.4
del Ebro	K2	3.5		3.5	3	3	3	3				3.5	4		3.5			3.5	3		3		2.5	3	3.5	3							3.2	
Kwasan	K2	4				3.5																												
Meudon	K3					2.5	2.5	2.5	2.5	2	2.5			2.5	2			2.5	2.5	2.5	2		1.5	1.5					2.5	2.5	2.5	2		2.3
Mount Wilson	K2-3	3	3			3	3	3	3	3	3		3	3	3	3		3	3	3		3	3	2	2	3	3							2.9
Tokyo	K2-3	2.5			3	3			2								2	2.5				2	2											2.3
Mean		3.4	3	3.8	3.2	3.1	2.8	2.7	2.8	2.5	2.8	3.1	3.5	3	3	3.2	2.8	3.1	3	3	2.5	2.7	2.5	2.2	2.5	2.9	2.8	3.1	3	2.9	2.7		2.9	

May

Arcetri/Firenze	K3																																		
Cambridge/Kodaikl.	K2-3	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3.3	
Coimbra	K3	3	3	3	3			3	3	3			2.5	2.5	2.5	2.5					2	2	2.5										2.7		
del Ebro	K2	1.5	1.5		1.5			2					2.5	2	2	2.5	2					2		3	2.5				3	3.5	3		2.3		
Kwasan	K2																																		
Meudon	K3		2.5		2.5	2.5	3	3						3	3	3	3	3	3	3	3	2.5	2	2	2.5	2.5	2.5	2.5	2.5	2.5	3	3		2.7	
Mount Wilson	K2-3		3	3		3	4	3	3	3	3		3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	3	3	3	3	3		2.9	
Tokyo	K2-3			2	2			2		2	2		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		2.0
Mean		2.7	2.7	2.9	2.5	3	3.1	2.9	3.2	2.9	2.8	3	2.5	2.7	2.8	2.7	3	3	2.9	3	2.5	2.4	2.3	2.4	2.3	2.1	2.5	2.9	3	3	3.5	3.5		2.8	

June

Arcetri/Firenze	K3																																		
Cambridge/Kodaikl.	K2-3	3	3	2.5		2.5	2.5	2.5	2.5	2.5	2.5	2.5		3	3	3	3	3.5	3.5	3.5	3.5			3.5	3.5				3.5	3.5				3.0	
Coimbra	K3	3	3	3	3	2.5	2.5	2.5	2.5	2	2	1.5				1.5	2	2.5				2	2	2.5										2.6	
del Ebro	K2				2.5	2.5	2.5		2	1.5	1			1	1.5			2.5			3	2.5	3	3	2.5		3.5	3			1.5		2.3		
Kwasan	K2																																		
Meudon	K3	2.5		2.5		2.5		2.5	2.5	2			2	2	2	2.5	2.5	2.5	2.5	2.5	2.5	3	3	3	3	3	3	3	3	3	3	2.5		2.6	
Mount Wilson	K2-3	3	3		3	3	3	3	3	3	2	2		2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3		2.9
Tokyo	K2-3	2	2			2	2				1.5	1.5		1.5	1.5	1.5	1.5	1.5	2				2.5				3							1.9	
Mean		2.7	2.8	2.7	2.8	2.6	2.5	2.3	2.5	2.3	1.8	1.9	1.7	2.2	2.4	2.3	2.4	2.6	2.8	3	3	3.1	2.9	3	3.1	3.2	3.1	3.2	3.2	2.8	2.8			2.7	

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	
Arcetri/Firenze	K3																																	
Cambridge/Kodaikl.	K2-3	3.5*	3.5*	3*	1.5	1	1.5	1.5*	2*	1.5*	1.5	1.5*	2.5*	2.5*	3*	3*	3*	3.5*	3	2.5	2	3*	3*	3*	3*	2	2.5	2.5	2	2.5	2.5		2.4	
Coimbra	K3		2										1.5																					1.7
del Ebro	K2	3.5		1.5	1	1	1	1.5					2	3		3			3	1		2		3	3	3	1.5		1.5	1.5	1	1	2.0	
Kwasan	K2	4.5				1																												
Meudon	K3					1.5	2.5	2.5	0.5	1				2.5	2			2	1.5	0	2		3	3				1.5	1	1.5	1.5		1.7	
Mount Wilson	K2-3	3	3		1	1	3	2	1	2	2		2	3	3	3	3	3	3	3	1	1		3	3	3	2	2	2	2	2	2		2.3
Tokyo	K2-3	2			1	1		1									1.5	2					1	1.5			0.5							1.3
Mean		3.3	2.8	2.2	1.2	1	1.2	1.9	2.2	1	1.5	1.8	2.8	2.7	2.8	3	2.5	2.7	1.6	1.2	1.8	2.5	3	2.8	2.2	1.8	1.8	1.9	1.5	1.8	1.8		2.1	

May

Arcetri/Firenze	K3																																		
Cambridge/Kodaikl.	K2-3	2	2.5	2.5	2.5	2.5	3	3.5	3.5*	3.5*	3	2	2.5	2.5	2.5	1	0.5	1.5*	2.5*	2.5	3*	3*			1.5	0.5								2.4	
Coimbra	K3	2	2	2	2			3	3	3			2.5	3	3	1.5					3	3	2.5			2	2						2.5		
del Ebro	K2	0.5	1		0.5		1.5					1	1.5	2	1.5	0.5					2		2	1					3	3	2.5		1.6		
Kwasan	K2																																		
Meudon	K3		2.5		2	2.5	3	3						3	3	2.5	2	3	3	2.5	2	3	3	2.5	3.5	2.5	2	2	0.5	1	2.5	3	3	2.5	
Mount Wilson	K2-3		2	2		3	3	3	3	3	2	2		3	3	3	1	2	3	3	3	3	3	3	3	2	2	1	1	2	3	3		2.5	
Tokyo	K2-3			1	1			1.5		2	1.5		0.5																						1.3
Mean		1.5	2	1.9	1.6	2.7	2.6	2.8	3.2	2.9	2.2	1.7	2	2.7	2.6	1.3	1.5	2.5	2.8	2.7	2.9	2.6	2.1	1.5	1.5	0.6	1.7	2.6	3	2.4	2.8	2		2.2	

June

Arcetri/Firenze	K3																																	
Cambridge/Kodaikl.	K2-3	2*	2*	2.5*		3*	1.5	0.5	1.5	1.5	2	1.5		1.5	2	2.5	2	2.5	2.5	2.5	2.5*	2.5*			3.5*	3				3*	3*	3*		2.3
Coimbra	K3	2	3.5	3.5	3.5	2.5	1.5	1	1.5	1.5	1.5	1			1.5	2	2.5							2.5	2.5			3.5	3		3		2.3	
del Ebro	K2			2.5	2	1		1	0.5	0.5			0.5	0.5													2	2	2		1		1.5	
Kwasan	K2																																	
Meudon	K3	2.5		3.5		1		1.5	2	2			1	1	2	2	3	2	1.5	1.5	2.5	3	3	3	2.5	2		2.5	3	3.5	3		2.3	
Mount Wilson	K2-3	2	3		3	2	1		1	2	2	1	2	2	3	3	3	3	3	2	2	2	3	3	3	3	3	3	3	3	3	3		2.5
Tokyo	K2-3	1	1			0.5	0.5			1	1			0.5	1																			

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Whole Sun Disc

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	
Arcetri/Firenze	K3																																	
Cambridge/Kodaikl.	K2-3	2.5		3.5		2.5	3	3	3	3	3.5		3	3	3	4	4				3.5	4		3.5	3.5	3.5	3.5	4	3.5	3.5	3	3		
Coimbra	K3	2.5		2.5	2.5			2	2	2	2.5	2.5	2	2	2.5	3	3	3	3		3.5	3	3	3	3	3	3	3	3	3	3	3		
del Ebro	K2			2.5	3		2.5	2	2	2.5	2.5	2	2	2.5	3	3	3	3	3.5		3.5	3	3	2				2	2		2.5	2		
Kwasan	K2																																	
Meudon	K3	3.5			3		2	2	2.5	2.5	2.5	2		3	3	3	3	3					2.5		2.5	2		2	2.5	2	2.5			
Mount Wilson	K2-3	3	3	3	3	3		3			3		2	2									3	3	3	3	3	3	3	2	2		3	
Tokyo	K2-3												2			2.5	2.5	2.5	2.5	3	3	2.5		2.5	2	2	2	1.5	1.5	1.5	1.5	2.0	2	
Mean		2.9	3	2.9	2.9	2.8	2.5	2.5	2.4	2.6	2.8	2.1	2.4	2.9	2.9	3.1	3.1	2.9	3.1	3.2	3.2	3	2.9	2.7	2.8	2.6	2.8	2.4	2.4	2.3	2.6	2.5	2.7	

August

Arcetri/Firenze	K3																																
Cambridge/Kodaikl.	K2-3			2	2.5	2.5	2	2	3	3	3.5	4	4	4	4	4	3.5	3.5	3.5	4	3.5	3.5	3.5	3.5	3	3	2.5	3	3	3	3.5	4	3.2
Coimbra	K3	3	2.5	2.5	2.5	2.5	2.5	2.5			3	3.5	3.5	3.5			3	3	3	3	3	3	3	3	3	3	3	3	3.5		3.5	3.0	
del Ebro	K2	2.5	2.5	1.5	1.5	2	2.5	2.5	2		3	3.5	3	3.5	3.5	3.5			3	3	3	3	2.5	2	2.5	3	3.5	3.5	3.5	3.5	3.5	2.8	
Kwasan	K2																																
Meudon	K3		2	2	2	2.5		2.5	2.5	2.5	2.5		3	3	3	3.5	3.5	3.5	3.5					2.5	2.5	2.5	2.5		3	3	3	3	2.8
Mount Wilson	K2-3	3	3	3	2	3	3	2			3	3	3	3	3	3	3	3	3	3	3	3	2	2	3	3	3	3	3	3	3	3	2.9
Tokyo	K2-3	2		2	2	2	2.5	2.5					2.5			3.5														3.5	3.5		2.8
Mean		2.6	2.5	2.2	2.1	2.4	2.5	2.3	2.5	2.8	3	3.4	3.2	3.4	3.5	3.6	3.5	3.3	3.4	3.3	3.2	2.9	2.8	3	2.9	3	2.8	3.2	3.2	3.2	3.3	3.5	3.0

September

Arcetri/Firenze	K3																																
Cambridge/Kodaikl.	K2-3	4	3.5	3.5	4	3.5	4	4	3.5	4	3.5	3.5	4	4	3.5	3.5	3.5	3.5	4	4	4	4	4	4	4	4	4	3.5	4			3.8	
Coimbra	K3	3.5	3.5		3.5		3	3	3	3		3	3.5	3	3	3	3	3	3.5			3.5											3.2
del Ebro	K2	3.5	3.5	4	3.5	2.5	2.5	2.5	2.5	2	2	2.5	2.5			2.5	2.5					3.5	3.5			3.5	3.5		4	3.5	3.5	3.0	
Kwasan	K2	4	3.5	4	4	4	4	4	3.5	3.5	3.5	4	4	4																			4.0
Meudon	K3	3		3	2.5	2	2	2	2	2	2	2.5	3		2.5	2.5		2.5	2.5	3	3.5	4	4		4	4.5	4.5	4.5		4.5	4.5	4	
Mount Wilson	K2-3	3	3			3	3	3	3	3	3	3	3	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3.0
Tokyo	K2-3									2	2.5	2.5	2.5	2.5	2.5	2	2													3.5	3.5	3	2.7
Mean		3.6	3.3	3.3	3.6	3.3	3	3.1	3.1	2.7	3	2.9	3.1	3.1	3.2	3	2.8	2.9	2.8	3.2	3.4	3.5	3.8	3.8	3.8	3.7	3.5	3.2	4.1	4	3.4	3.3	

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	
Arcetri/Firenze	K3																																	
Cambridge/Kodaikl.	K2-3	1.5		1		1.5	2	2.5	2	2	2.5		2	2.5	3	4	3.5			3	3		3	3	2.5	3	3	3	2.5	1.5	2		2.5	
Coimbra	K3	2		0.5	0.5			0.5	1		1	1.5	2.5		2.5	2.5					2		2	1.5	2	2	2		1	0.5	1	1	1.5	
del Ebro	K2			0.5	0.5		3	2.5	1	1	1	0.5	0.5	3.5	3	3	2.5	1.5	2.5			2	2	2	2			1.5	1		1.5	1.5	1.8	
Kwasan	K2																																	
Meudon	K3	3			1.5		2.5	2.5	2	2	2	1		3	3.5	3.5	3	3						2.5		2	2		2	1.5	1	1.5	2.3	
Mount Wilson	K2-3	3	2	0	1	2		3		2		1	1				2	2	3			2	1	2	3	3	3	2	1	1	1	2	1.9	
Tokyo	K2-3											1			2.5	2.5	2.5	2	2			2	1.5		1.5	1.5	1	1	1	1	0.5	0.5	1	1.4
Mean		2.4	2	0.5	0.9	1.8	2.5	2.6	1.4	1.6	1.8	0.9	1.2	2.9	3	3.1	2.7	2.1	2.4	2.5	2.1	1.7	2.1	2.3	2.1	2.2	2	1.9	1.2	0.9	1.4	1.4	1.9	

August

Arcetri/Firenze	K3																																	
Cambridge/Kodaikl.	K2-3			2.5	1.5	1.5	1	0.5	1.5	2.5	3	3	3	3.5	3.5	3.5	3	2.5	2.5	3	2.5	2	3	3	3	2.5	1.5	1.5	1.5	2	2	2.5	2.5	2.4
Coimbra	K3	2	2	1.5	0.5	0.5	0.5	0.5	1		2.5	3	3	2.5		1.5	2	2	1.5	2	2	1.5	2		1.5	1.5	1.5	1.5		1.5	1.5	1.5	1.6	
del Ebro	K2	3	2	1	0.5	1	0.5	0.5	0.5		2	3	3	3.5	2		2	2	2	2.5	2	1.5		2	1.5	1.5	1	2	1.5	2	1.5	2	1.8	
Kwasan	K2																																	
Meudon	K3		2.5	1.5	0.5	0.5		0.5	1.5	3	2.5		3.5	3	3	2.5	3	3	3				2.5		2	2	1	1.5		2	2	2.5	2.2	
Mount Wilson	K2-3	3	2	2	1	1	1	1	1		3	3	4	3	3	3	3	3	2	2	2	2	2	3	2	1	1	2	2	2	2	2	2.2	
Tokyo	K2-3	1.5			0.5	0.5	0.5	0.5									3					2.5	2.5							2	2		1.5	
Mean		2.4	2.1	1.7	0.8	0.8	0.7	0.6	1.1	2.8	2.6	2.9	3	3	3.1	2.8	3	2.3	2.6	2.3	2.2	2	2.4	2.3	1.6	1.6	1.7	1.6	1.9	1.9	2.2	1.9	2.1	

September

Arcetri/Firenze	K3																																
Cambridge/Kodaikl.	K2-3	3	3	2.5	2	2.5	3	4	4	3.5	3.5	2.5	2	2.5	3	3	3	3	3.5	3.5	2.5	2.5	2	3	3.5	3	2.5	2.5	2.5			2.9	
Coimbra	K3	2	2		1.5		3	3	3	3		1.5		2	2.5	3	2.5	2.5	2.5			1											2.3
del Ebro	K2	2	2	2.5	1	1.5	2	3.5	4	2.5	1.5	0.5	1				2	2.5															1.9
Kwasan	K2	3	3	3	2	2.5	3	4	4.5	4	2.5	2.5	2	2	2.5	2.5																	2.8
Meudon	K3		2		2	2.5		3.5	3.5	2	1	1	1	1.5	2																		2.2
Mount Wilson	K2-3	3	3			3	3	4	3	3	3	2	2	2	2	3	3																

BULLETIN FOR CHARACTER FIGURES OF SOLAR PHENOMENA

Published by the Eidgen. Sternwarte in Zürich

Co-operating Observatories: Arcetri-Firenze, Cambridge (England), Catania, Coimbra, del Ebro, Ewhurst (Mr. Evershed), Greenwich and Cape-Town, Kodaikanal, Kyoto-Kwasan, Lyons, Madrid, Kiew, Meudon-Paris, Mount Wilson, Roma/Campid., South Hadley, Stonyhurst, Tashkent, Tokyo, Zürich

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

Table for Whole Sun Disc, October. Columns: Observatory, 1-31, Mean. Rows: Arcetri/Firenze, Cambridge/Kodaikl., Coimbra, del Ebro, Kwasan, Meudon, Mount Wilson, Tokyo.

November

Table for Whole Sun Disc, November. Columns: Observatory, 1-31, Mean. Rows: Arcetri/Firenze, Cambridge/Kodaikl., Coimbra, del Ebro, Kwasan, Meudon, Mount Wilson, Tokyo.

December

Table for Whole Sun Disc, December. Columns: Observatory, 1-31, Mean. Rows: Arcetri/Firenze, Cambridge/Kodaikl., Coimbra, del Ebro, Kwasan, Meudon, Mount Wilson, Tokyo.

Central Zone

Table for Central Zone, October. Columns: Observatory, 1-31, Mean. Rows: Arcetri/Firenze, Cambridge/Kodaikl., Coimbra, del Ebro, Kwasan, Meudon, Mount Wilson, Tokyo.

November

Table for Central Zone, November. Columns: Observatory, 1-31, Mean. Rows: Arcetri/Firenze, Cambridge/Kodaikl., Coimbra, del Ebro, Kwasan, Meudon, Mount Wilson, Tokyo.

December

Table for Central Zone, December. Columns: Observatory, 1-31, Mean. Rows: Arcetri/Firenze, Cambridge/Kodaikl., Coimbra, del Ebro, Kwasan, Meudon, Mount Wilson, Tokyo.