

BULLETIN FOR CHARACTER FIGURES OF SOLAR PHENOMENA

Published by the

Eidgen. Sternwarte in Zürich

Co-operating Observatories: Arcetri-Firenze, Cambridge (England), Catania, del Ebro, Ewhurst (Mr. Evershed), Greenwich and Cape-Town, Kodaikanal, Kyoto-Kwasan, Lyons, 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 semi-diameter 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											1.5	2			0.5																					
Cambridge/Kodaikl.	K2-3	0.5	0.5	0.5	0.5		1	1		1	1	1	1	1	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	0.5	0.5	0.5	0.5	0.5		
del Ebro	K2			0.5	0.7		1	1.5	1.5		1.2	1.2	1	1.5	1.5	1.5			0.7	0.7	0.5	0.2	0.2	0.2		0.2	0.5					1.5	1.5				
Kwasan	K2												1.5	2		1					0.5	1	1		0.5												
Meudon	K3		0		1									1	1							0															
Mount Wilson	K2	0	0	0.5	1	1	2	2	2	2	2		1.5	1.5	1																						
Tokyo	K2-3	0		0.5				1.5	1.5	1.5	1.5		1.5		1	1	1								0							0	0	0.5	0.5	1	1
Mean		0.2	0.2	0.5	0.8	1	1.3	1.5	1.7	1.5	1.4	1.2	1.4	1.2	1.2	1.2	0.8	0.5	0.4	0.6	0.5	0.6	0.2	0.3	0.5	0.4	0.4	0.2	0.5	0.5	0.9	1	1	0.8			

February

Arcetri/Firenze	K3												0.5	0.5																							
Cambridge/Kodaikl.	K2-3	1	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1	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	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	
del Ebro	K2	2.5				2.7	2.7		2.7	2.2	1.7	1.5			0.5	0.5	0.2	1			0.7	0.5	0.5	0.7						1.2	1.5						
Kwasan	K2	1.5		3		3					2.5	2	1.5	1	0.5	0.5	0.5				0.5	0.5	0.5		1	0.5											
Meudon	K3												1.5	1.5		0						0		0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mount Wilson	K2		2	2	2	2	2.5	2.5		2	2	1.5	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
Tokyo	K2-3	2	2	2	2	2	2	2	2		2			0.5	0						0	0	0	0	0	0	0	0	0	0	0.5	0.5	1				
Mean		1.8	1.8	2.1	1.8	2.2	2.2	2	2.1	1.9	1.9	1.5	1.2	0.8	0.3	0.3	0.4	0.2	0.4	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.6	1					1.0		

March

Arcetri/Firenze	K3										1.5	1.5			0	0	0																				
Cambridge/Kodaikl.	K2-3	0.5	0.5	1	1	1	1	1	1	1	1	1	0.5	0.5	0	0	0	0	0	0	0	0	0	0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.5	1.5	
del Ebro	K2				2.2	2	1.7	1.5	1.5	1.2					0	0	0	0	0	0	0	0	0.2	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1	1	
Kwasan	K2							2.5	2						0	0	0	0	0	0				0.5		0.5								0.5	1	1	
Meudon	K3				1.5	1.5		1.5	1.5	1.5	1	1	0.5	0								0	0	0.5	0.5	0.5	1						1	1	0.5	0.5	
Mount Wilson	K2	1	1	1	1.5	2	2				1			0	0							0	0	0	0	0	0.5	0.5	0.5	1			1	1	1	1	
Tokyo	K2-3							1.5	1.5				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	
Mean		0.8	0.8	1	1.6	1.6	1.6	1.6	1.5	1.3	1.1	1.2	0.5	0.1	0	0	0	0	0	0	0	0	0	0.2	0.4	0.4	0.8	0.8	1	0.8	1.1	1	0.9	0.7			

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											1.5	1			0																					
Cambridge/Kodaikl.	K2-3	0.5	0.5	0.5	0		0	0.5		1*	1*	1*	0.5	0.5*	0.5*	0.5*	0	0	0	0	0.5	0.5	0.5	0.5	0	0	0	0	0	0.5	0.5	0.5	0.5	0.5	0.5		
del Ebro	K2			0.2	0.2		0.2	0.7	1.7		2	1.5	1	0.7	0.7	0.2				0	0.2	0.7	0.5	0.5	0.5		0	0				0.7	1.7				
Kwasan	K2														1								0.5		1												
Meudon	K3		0.5		0									0.5	0.5																						
Mount Wilson	K2	0.5	0.5	0	0	0	0	1.5	2	3	3		1	0.5	1								0.5														
Tokyo	K2-3	0		0.5				0	1	1.5	1.5		1		0	0																				0.5	
Mean		0.3	0.5	0.3	0	0	0.1	0.7	1.6	1.8	1.9	1.3	0.9	0.6	0.5	0.2	0	0	0	0.1	0.2	0.6	0.7	0.5	0.5	0	0	0	0	0.3	0.3	0.3	0.9	0.5			

February

Arcetri/Firenze	K3														0	0																					
Cambridge/Kodaikl.	K2-3	1*	1*	1*	1*	1.5*	1.5*	1.5*	1.5*	1*	0	0	0	0	0	0	0	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	0.5	0.5	0.5	0.5	
del Ebro	K2	2			2	3.5		1.7	1.5		0	0				0.2	0.2	0.2	0.5														1	0.7			
Kwasan	K2	1.5		2		1.5					0.5	0	0	0	0	0						0.5	0	0													
Meudon	K3													0	0																						
Mount Wilson	K2		2	2	1	2	3	3.5		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5	0	0	0	0.5	0.5	0.5	0	0	0.5				
Tokyo	K2-3	1	1	1	0.5	0.5	2	2	2		0			0	0																					0.5	
Mean		1.4	1.3	1.5	0.8	1.5	2.5	2.3	1.7	1.2	0.1	0	0	0	0	0	0.1	0.2	0.4	0.2	0	0	0.4	0.4	0.5	0.3	0.2	0.5	0.6						0.6		

March

Arcetri/Firenze	K3										0	0			0	0	0																				
Cambridge/Kodaikl.	K2-3	0.5	0.5	0.5	0.5	1*	1*	1*	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	
del Ebro	K2				1.2	1.7	1.5	1.7	0.5	0.2	0.2																										
Kwasan	K2							3	1						0	0	0	0	0	0																	
Meudon	K3				1	2		2	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	0	
Mount Wilson	K2	0.5	0.5	0.5	1	2	3				0				0	0																					
Tokyo	K2-3							1.5	1					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Mean		0.5	0.5	0.5	0.9	1.7	1.8	1.8	0.8	0.2	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	

* = Days of special activity in central zone.

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, Kiew, Meudon-Paris, Mount Wilson, Roma/Campid., South Hadley, Stonyhurst, Tokyo, Wellington, 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 in July. Columns: Observatory, K3, K2-3, and days 1-31. Rows include Arcetri/Firenze, Cambridge/Kodaikl., Coimbra, del Ebro, Kwasan, Meudon, Mount Wilson, Tokyo, and Mean.

August

Table for Whole Sun Disc in August. Columns: Observatory, K3, K2-3, and days 1-31. Rows include Arcetri/Firenze, Cambridge/Kodaikl., Coimbra, del Ebro, Kwasan, Meudon, Mount Wilson, Tokyo, and Mean.

September

Table for Whole Sun Disc in September. Columns: Observatory, K3, K2-3, and days 1-31. Rows include Arcetri/Firenze, Cambridge/Kodaikl., Coimbra, del Ebro, Kwasan, Meudon, Mount Wilson, Tokyo, and Mean.

Central Zone

Table for Central Zone in July. Columns: Observatory, K3, K2-3, and days 1-31. Rows include Arcetri/Firenze, Cambridge/Kodaikl., Coimbra, del Ebro, Kwasan, Meudon, Mount Wilson, Tokyo, and Mean.

August

Table for Central Zone in August. Columns: Observatory, K3, K2-3, and days 1-31. Rows include Arcetri/Firenze, Cambridge/Kodaikl., Coimbra, del Ebro, Kwasan, Meudon, Mount Wilson, Tokyo, and Mean.

September

Table for Central Zone in September. Columns: Observatory, K3, K2-3, and days 1-31. Rows include Arcetri/Firenze, Cambridge/Kodaikl., Coimbra, del Ebro, Kwasan, Meudon, Mount Wilson, Tokyo, and Mean.

* = Days of special activity in central zone.

