

QUARTERLY BULLETIN ON SOLAR ACTIVITY

Published by the Eidgen. Sternwarte in Zürich

CHARACTER FIGURES OF SOLAR PHENOMENA

Co-operating Observatories: Abastuman, Arcetri-Firenze, Cambridge (England), Catania, Coimbra, Greenwich Kodaikanal, Lyons, Madrid, Meudon-Paris, Mount Wilson, Roma-Monte Mario, Sonneberg (in Thüringen), Simeis, South Hadley, Tashkent, Tokyo, Tsinan, Ucele, Valencia, Wellington, Zurich.

Calcium-Flocculi ¹⁾.

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.

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	
Arcetri/Firenze	K3											2.5	2.5	2					1.5									2			2.5	
Cambridge/Kodaikl.	K2-3	2	2.5	2.5	2.5	2.5			3	3	3	2.5	2.5	2	2	2	2	2	2	2	2	1.5	1.5	1.5	1.5	2	2	2.5		2.5	3	3
Coimbra	K3		3	3	3	3	3	3	3		2.5	2				1.5					1.5											
Meudon	K3				3				3	3	2.5	2	2			1.5				1.5						2						
Mount Wilson	K2-3	2	3	3								2	2	2	2	2	3	2	2	2			2								3	3
Tokyo	K2-3	2.5	2.5	3	3	3	3			2.5	2	2	2	2	2	2	1.5	1.5	1.5	1.5	1.5	2	2	2	2	2	2	2.5	2.5	2.5	3	3
Mean		2.2	2.8	2.9	2.9	2.8	3.0	3.0	3.0	2.8	2.7	2.2	2.2	2.0	2.0	2.0	1.9	1.8	1.8	1.8	1.8	1.7	1.8	1.8	1.8	2.0	2.0	2.2	2.5	2.5	2.9	3.0

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	
Arcetri/Firenze	K3																															2.5
Cambridge/Kodaikl.	K2-3	3	3	3	3	3	3	3	2.5	2	2.5	2	2	2	2.5	2	2	2	2	2	2	1.5	1.5	1.5	2	2	2.5	2.5	2.5	2.5	2.5	
Coimbra	K3	3		3	3.5			3	2.5	2	2			2			2															2.5
Meudon	K3				2.5								1.5			1.5				1.5	2		2	1.5	1.5		2	2.5				
Mount Wilson	K2-3		3	3	3	3		3		2	2			2					2									2	3			
Tokyo	K2-3	3	3	3	3	3	2.5	2.5	2.5	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	1.5	1.5	1.5	2	2.5	2.5		
Mean		3.0	3.0	3.0	3.0	3.0	2.8	2.9	2.5	2.0	2.0	1.8	1.7	1.9	2.0	1.7	1.8	2.0	1.8	1.8	1.8	1.7	1.5	1.7	1.8	2.2	2.4	2.6	2.5			2.2

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	
Arcetri/Firenze	K3							2				2		1.5	2	2	2					2	2								2.0	
Cambridge/Kodaikl.	K2-3	2	2.5		2.5	2	2	1.5	1.5	1.5	1.5	2	2	2	2	2	2	2.5	2.5	2.5	2.5	3	2.5	2.5	3	2.5	2.5	2.5	2.5	2	2	2
Coimbra	K3	3	3	3				1.5		1.5		1.5			1.5				1.5		2.5	2.5	2	2		2.5	2.5			1.5		
Meudon	K3		2	2.5	2.5	2.5	2		1.5	2	2	2.5	2	2	2	2	2	2	2	2	2	2	2	2	2.5					1.5		
Mount Wilson	K2-3					2	2	1	1	2								2	2	2	2	2	3	3	3	2	2	2	2			
Tokyo	K2-3			2	2	2			1.5	1.5	1.5	1.5		2		2	2				2.5	2.5	2.5			2	2	2	2	2	2	
Mean		2.5	2.5	2.5	2.3	2.2	2.0	1.7	1.4	1.5	1.8	1.9	1.8	2.0	2.0	1.9	2.0	2.2	2.2	2.2	2.3	2.2	2.4	2.5	2.8	2.4	2.2	2.2	2.2	2.2	2.0	

¹⁾ From Tokyo only the character figures for the first quarter 1941 and from Cambridge-Kodaikanal only those for the first three quarters of 1941 arrived at Zurich.

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	
Arcetri/Firenze	K3										1.5			1	1.5		1.5	1.5			1.5								1.5	1		1	
Cambridge/Kodaikl.	K2-3																																
Coimbra	K3	2	2	2	2			1.5	1.5	1.5	2	2		2	2	2	2	2	2	2.5	2.5	2	2			2	2	2	2	2	2		
Meudon	K3	2	2		2		2	2.5	2	2		2	2		2.5	2.5	2.5						2	2		2	2	2	2	2	2		
Mount Wilson	K2-3	3	3	3	2		2	2	2	2	2	3		3	3	3	2								2								
Tokyo	K2-3																																
Mean		2.3	2.3	2.5	2.0		2.0	2.0	1.8	1.8	2.0	2.5	2.0	2.0	2.2	2.5	2.0	2.0	2.5	2.8	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.8	2.0	1.7	

November

Arcetri/Firenze	K3																										1.5	2		2	2	1.5
Cambridge/Kodaikl.	K2-3																															
Coimbra	K3	2		2	2	2	1.5	1.5				1.5	1.5			1.5	1.5			1.5	1.5			2	2	2.5		3		3	3	3
Meudon	K3							1.5																2		2.5			3	3	3	3
Mount Wilson	K2-3		2	2	2	2	2	2	2	2	2			2	2	2	2	2	1	1	1	2	2	2	3				3	3	3	
Tokyo	K2-3																															
Mean		2.0	2.0	2.0	2.0	2.0	1.8	1.8	1.8	2.0	2.0		1.5	1.8	2.0	2.0	1.8	1.8	1.0	1.2	1.2	2.0	2.0	2.0	2.7	1.5	2.5	3.0	2.8	2.5	2.5	

December

Arcetri/Firenze	K3		1	1		1.5	2			1.5	1.5																		1.5		1.5	1		1
Cambridge/Kodaikl.	K2-3																																	
Coimbra	K3	3	3		2.5	2.5	2.5		2.5	2.5	2.5	3	3	3	2.5	2	2	2	2	2	1.5	1.5	1.5	1.5			2.5	2.5	2.5		2	2		
Meudon	K3	2	2						2																		1.5		2	2	2	2		
Mount Wilson	K2-3	3	3		3	3	3	3	3						2		2	2	2	2	2	2	2	3		3								
Tokyo	K2-3																																	
Mean		2.7	2.2	1.0	2.8	2.3	2.5	3.0	2.5	2.0	2.0	3.0	3.0	3.0	2.5	2.0	2.0	2.0	2.0	1.8	1.8	1.8	2.0		3.0		2.0	2.5	2.0	1.5	2.0	1.5		