

Character Figures for bright H α -Flocculi.

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

Whole Sun Disc
1938

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			2.5	2.5	2.5	2	3														4	3.5			4							3.5
Evershed/Ewhurst																																
Kodaikanal	4	3	3		2	3	3	4	3	4	4	5	3	5	4	5	5	5	4		3	4	4	2		4	4	4	2	2	3	
Meudon/Paris	3	3	2.5		2					2.5														2.5		2.5	2.5					
Mount Wilson	2		2	2	2	2		3	3	3	3		3			3					3?	4	4	4	4	4	3	3	3	3	3?	
Tashkent (Sp.-heliose.)			3.5	3	3.5		3								3.5													2.5				
Zurich			3	2.5		2.5					3			3	3		3															
Mean	3.0	3.1	2.6	2.7	2.2	2.5	3.0	3.5	3.0	3.1	3.5	5.0	3.0	4.0	3.8	3.7	5.0	4.2	3.8	3.3	3.8	4.0	3.0	3.5	4.0	3.2	3.0	3.3	2.2	2.5	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	31	
Arcetri/Firenze	3.5			2.5	4	3.5	3.5	4	3.5			4.5								4.5		3	3		2.5	3	3		4			
Evershed/Ewhurst										2														2								
Kodaikanal	1	2	3		4		4	4			4	4	5	5	5	5	5	5	4	5	5	3	3	2	2	3		4				
Meudon/Paris	3	3			3	3	3			4	4		4					4	4	3.5	3	3	3	2.5	2.5			2.5				
Mount Wilson																		5														
Tashkent (Sp.-heliose.)	3		2.5	3.5	3		3	2.5					3	4	3.5			5														
Zurich			2.5	3	3	3	3	2.5												3.5	3.5	3	3	2.5	2.5	3			3			
Mean	2.6	2.5	2.7	3.0	3.3	3.1	3.4	3.2	2.8	4.0	3.3	4.2	4.3	5.0	5.0	5.0	4.8	5.0	4.1	4.0	3.5	2.9	2.8	2.5	2.6	3.0	2.2	3.7				

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	
Arcetri/Firenze			2.5	2.5	3	3.5	3.5	4	3.5			4	4	5	3.5	4	4.5	4.5														3
Evershed/Ewhurst				2	2		2	2			3	3	3	3			2	2.5	2				2	2								
Kodaikanal	3	4		3	2	3	3	4	3	4	2	4	5	4	4	4	4	3	3				3	3	2	1	1	1	1	2		
Meudon/Paris	3	3	2.5	2.5	2.5	2	2.5	3			4	4	4	4		3.5		3.5	3	2.5	2.5	3	3	3	3	2.5						
Mount Wilson																	4		4	4	3	3										
Tashkent (Sp.-heliose.)	3						2.5					3	4	3.5																		
Zurich			3	2.5	2.5	2.5	2.5	2.5	3	3	3.5	3	4	4	4	4	3.5	4	3.5	3.5	3	2.5	3	3	3	3			2	2.5		
Mean	2.8	3.3	2.5	2.5	2.3	2.6	2.8	3.1	3.0	3.7	3.0	3.7	4.0	3.9	3.9	3.8	3.6	3.5	3.2	2.6	2.5	3.0	2.8	2.7	3.0	2.4	2.0	1.0	2.0	1.8	2.7	

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			0	0.5	2.5	2	4														3	2.5			4.5						1.5	
Evershed/Ewhurst																																
Kodaikanal	2	1	0		1	3	3	3	0	2	3	4	0	1	1	1	4	5	4	1	1	3	2		2	3	3	3	1	2	0	
Meudon/Paris	2.5	2	0		2.5	2.5	3.5			3									3.5					3		2.5	3					
Mount Wilson	2		0	1	2	3		2	2	3	4		1			2					3?	3	3	4	4	4	3	3	3			
Tashkent (Sp.-heliose.)			1.5	0.5	1.5		2.5								1.5																	
Zurich			2	0.5		2					3			2	1		1		4.5													
Mean	2.2	1.6	0.2	1.0	2.0	2.6	3.5	2.5	1.0	2.8	3.5	4.0	1.0	1.0	1.2	1.3	4.0	4.8	3.8	2.3	2.2	3.0	3.0	3.8	3.0	2.8	2.9	3.0	2.0	1.5	0.8	

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	
Arcetri/Firenze	3			2	2.5	2.5	3.5	2.5	3.5			1.5								4.5		2	3		2.5	3.5	2.5		4			
Evershed/Ewhurst										2		2												2		2.5	3.5	2.5		4		
Kodaikanal	1	2	2		2		3	2			3	1	4	4	5	4	4	5	4	4	2	1	2	2	2	2		2				
Meudon/Paris	3	2.5			2.5	2.5	3.5			3	2.5		3										3	3	2.5	2.5		3				
Mount Wilson					2	3	3											5		4?	3	3		4	2	3						
Tashkent (Sp.-heliose.)	2.5		2	3.5	2		3	2									5															
Zurich			2	3	2.5	2	2.5	2.5													2.5?	2.5	3	2.5	2	2.5	2		3.5			
Mean	2.4	2.2	2.0	2.8	2.2	2.5	3.1	2.2	2.8	3.0	2.5	1.2	3.3	4.0	5.0	4.0	4.8	5.0	4.1	3.0	2.4	2.5	2.6	2.2	2.7	2.2	2.5	3.2				

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	31	
Arcetri/Firenze			1		2	2	1	3.5	4	3		4.5	4.5	4.5	2	4	4.5															
Evershed/Ewhurst	2			0	1		1	2			2	3	3	2																		
Kodaikanal	3	2	1	1	1	1	1	2	2	3		2	2	4	4	3	3	2	1	1				2	1		2	1	1	1	0	1
Meudon/Paris	3.5	3	1	1	1	1	2	3			3.5	4.5	4.5	4.5			3		3	3	2.5	3	3	2.5	3	3	3	3				
Mount Wilson																																
Tashkent (Sp.-heliose.)	3						2					3	4	3.5																		
Zurich			2.5	1	1	1	1	2	2.5	2	2.5	3	3.5	3.5	4	3.5	3	3	3	3	3	3	3	3	2.5	2	2.5					
Mean	2.9	2.5	1.0	0.8	1.2	1.2	1.6	2.4	2.5	2.8	2.6	3.4	3.9	3.8	2.9	3.2	2.9	2.5	2.6	2.4	3.0	3.0	2.0	2.0	2.8	2.2	2.0	1.0	1.0	1.0	1.7	

Character Figures for bright H α -Flocculi.

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

Whole Sun Disc
1938

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				3.5		4	4	3.5	4		4	4		4	4.5	3.5	3.5	3		3	3.5		3.5		3.5	3.5	4	3		3.5						3.7	
Evershed/Ewhurst	3	3	3		3	3																															3.0
Kodaikanal							4	4	3.5	3.5			4.5	4.5	4	4	4					3	4	3.5	4	4	4	3.5	4	3.5	3.5	3.5				3.8	
Meudon/Paris		3			4	4	4	4	4	4			4	4.5		4.5	4				4	3.5	3	3	4.5	4.5		4.5		4	4	4	3			3.9	
Mount Wilson	3	3	3	3	3	3		4	4	4	4	5	5	4	4	4	4	4	4		4	3	3	4	4	4	5	4	4	4	4	3	3			3.7	
Tashkent (Sp.-heliosc.)	2.5	2.5	3.5	4	4.5	4		4	4.5	4.5	5	4.5	4.5								3	3.5	4	4.5	4.5	4	3.5	3	2.5	2.5					3.7		
Zurich				3.5	3.5	3.5	4	4			4		4	4.5	4			4	3.5	4	3.5	3.5	3	3.5	4	4	3.5		3	3	3	3				3.6	
Mean	2.8	2.9	3.2	3.5	3.6	3.6	4.0	3.9	4.0	4.0	4.5	4.5	4.0	4.3	4.1	4.0	3.8	3.5	4.0	3.4	3.3	3.2	3.5	4.1	4.1	4.1	4.0	3.5	3.5	3.2	3.0				3.7		

August

Arcetri/Firenze				2.5	3	4				3.5	3					2.5		3	3.5	3			2.5	2.5			2.5								3.0	
Evershed/Ewhurst	2				3	3																														2.8
Kodaikanal		3.5	3.5	3	3	3	3.5	3.5	3	3	2	3		2.5	2		2	2	2.5	1.5			2	2		2.5			3	3	3.5	3	2.5			2.7
Meudon/Paris	3	3	3	3	3		3	3		3.5	4	4	4	4	3	3	3	3	3				3		3	3	3	3	3	3	3	3	3			3.2
Mount Wilson	3	3	3	3		4	4	4	4	4	4	4	4	4	3	3	3	4	4		4	4	4	4	4	4	4	4	4	4	4	4	4	4		3.8
Tashkent (Sp.-heliosc.)	2.5	3	3	3	3.5	3.5	3.5	3.5	3.5	3.5	3	2.5	2.5	2			2	1.5	2	2	2.5	2	2.5	2	2.5	2.5	2.5	3	2.5	2.5	2.5				2.7	
Zurich	2.5	3	3	3	3.5	3.5	3.5		3.5	3.5					2.5	2.5						3	3.5								3					3.2
Mean	2.6	3.1	3.1	2.9	3.2	3.5	3.5	3.5	3.5	3.5	3.2	3.4	3.5	3.1	2.6	2.8	2.5	2.8	3.1	2.6	3.2	2.8	3.0	3.1	3.0	3.2	3.1	2.8	3.4	3.1	3.0				3.1	

September

Arcetri/Firenze	3	3	3			3		2.5		2.5		2	2			2	3	1.5					3.5													2.7	
Evershed/Ewhurst	3	3	2		2		2																														2.4
Kodaikanal	2	2		3	4	4	4	2.5			1	1	2.5	2	2.5	3		0.5				0.5				3	4	4	4	4	4	4	4	4		2.7	
Meudon/Paris	3		3.5	4	4	4	3			3	2	2	2	2	2.5	2.5	2.5	2.5	3			3		3	3	3	3	3	3	3	3	3	3	3	5	3.1	
Mount Wilson	4	4	4	5	5	5	4	3	3		3	2	2	3	3	3	3	3	3			3	3	3	3	3	4	4							5	3.5	
Tashkent (Sp.-heliosc.)	2.5	3.5	3.5	3.5	3.5	3	2.5	3	3	2.5	2.5	2.5	1.5		2	2		2	1.5	2.5	3	2	2.5	2.5	2.5	3	3.5	3.5	4	4					2.8		
Zurich			3.5			4.5	4	3				2.5	2	2.5	2.5		2.5	2.5	2.5	3	2.5	3	2.5	3	3	3	3.5	4	4						3.0		
Mean	2.9	3.2	3.2	3.9	3.7	3.9	3.3	2.8	3.0	2.7	2.9	1.9	2.2	2.2	2.4	2.5	2.7	1.8	2.6	2.5	3.0	2.3	2.9	2.8	3.2	3.4	3.8	4.1	4.0	4.5				3.0			

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						3.5	4	3.5	5		4.5	4		4	4.5	3.5	2.5	1.5			2.5	2.5		3.5		3.5	3	3	2						3.4	
Evershed/Ewhurst	4	4	3		1	2								3																						2.8
Kodaikanal						4	4	3.5	3.5				3	4.5	4.5	4.5	3.5					2	2	3	4	4	4	2	4	4	4.5	4	2		3.5	
Meudon/Paris		3			3	3	3	4	4.5	4.5			4.5	5		4.5	3.5				3.5	3.5	3	3	4.5	4.5		4	4.5	4	3			3.8		
Mount Wilson	3	3	3	3	2	3	4	4	4	4	4	4	4	4	4	4	3	3	4		3	3	3	4	4	4	3	4	4	3	2			3.4		
Tashkent (Sp.-heliosc.)	3.5	3	3.5	2	2.5	2.5		3.5	4.5	4.5	5	3.5	4.5		4	4		2.5			3	3	3	3	3.5	3.5	4	4	3.5	3	4	2	1.5		3.3	
Zurich				2	2	3	3.5	4			4		4.5	4	4			3.5	3	3.5	3.5	3	2.5	3.5	3.5	3	3	3	3.5	3	3	3.5	3	2	3.3	
Mean	3.5	3.2	3.2	2.2	2.1	2.8	3.6	3.8	4.3	4.1	4.4	3.8	3.9	4.3	4.2	4.1	3.1	2.5	3.8	3.1	2.8	2.4	3.4	4.0	3.9	3.4	3.1	3.2	4.0	3.4	2.1			3.4		

August

Arcetri/Firenze				1	2.5	4				3	2.5					1.5		3	5	3			1	2.5			2.5								2.6	
Evershed/Ewhurst	0				2	3																														1.8
Kodaikanal		0.5	1	1	2	2	3	2	1.5	3.5	2	3		1	1		1	1.5	2.5	2		2	1		1.5		2.5	3	2	3	1.5				1.9	
Meudon/Paris	1	1	1	1	2		3	3		3.5	4	4	1	1.5	1.5	2.5	3.5	2.5	3.5			3		3	3	4	4	4	4	4	4	4	4	4	4	2.4
Mount Wilson	2	2	2	3		4	4	3	4	4	4	3	2	2	2	3	3	4	4		4	3	3	3	4	4	4	4	4	3	4	4	4	4	3.3	
Tashkent (Sp.-heliosc.)	1		0.5	0	3	2	3.5	2.5	1.5	3.5	3	2.5	1	0			2	1	2.5	2.5	2	1		1.5	1	1	3	1.5						1.8		
Zurich	0.5	0.5	1.5	0.5	2.5	3.5	3.5		3.5	3.5					1	2.5		3	3.5			2	2.5	3.5	3	3					2.5				2.4	
Mean	0.9	1.0	1.2	1.1	2.3	3.1	3.4	2.6	2.6	3.5	3.1	3.1	1.3	1.1	1.4	2.4	2.4	2.5	3.5	2.9	2.7	2.0	1.9	2.9	2.3	2.5	2.9	2.3	2.5	2.6	2.3			2.3		

September

Arcetri/Firenze	3	3.5	3			3		1	0.5		1.5	2			1.5	2.5	0.5					3													2.2	
Evershed/Ewhurst	2	2	2		2		2																													2.0
Kodaikanal	2	2.5		4	4	4	3	1.5		0.5	1.5	2.5	2	2.5	4		0					0.5				4	4	4	4	4	4	4	4	3	2.7	
Meudon/Paris	3		4	4	4	4	2			0		2	3	3	2	2	2	2	2			2		2	2										2.7	
Mount Wilson	4	4	4	4	4	4	4	3	2	1	1	2	3		4	3					3	3	2	3	4	4	4	4	4	4	4	4	4	4	3.1	
Tashkent (Sp.-heliosc.)	2.5	3.5	3.5	3.5	3.5	3	3	2.5	1.5	1.5	0.5	1.5	1		3	2.5		2	2	0.5	2	2	1	1.5	0.5	3	3.5	3.5	4	4	2.5				2.4	
Zurich			3.5			4	4	2.5				0.5	1.5	2	2.5			2	2	1.5	2	2	2	2	2	3	3.5	4	4						2.5	
Mean	2.8	3.2	3.3	3.9	3.5	3.6	3.2	2.1	1.8	1.0	0.5	1.6	2.1	2.5	3.1	2.6	2.2	1.3	1.5	2.0	2.2	1.9	1.8	1.8	3.4	3.8	3.8	4.1	4.0	3.4				2.6		

