

Character Figures for bright H α -Floculi.

The character figures are assigned on the 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 floculi. As central zone a circular surface of a semi-diameter of the sun's disc has been taken.

Whole Sun Disc 1936

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																																		
Evershed/Ewhurst										1				1					1	1	1													
Kodaikanal		4	3	3	3	3	3	2	2	3	3	2	3	2	2	2	2	2	2	2	2	3	3	1	1.5	1		1	1	1	1	1		
Meudon/Paris						2	2	2	2	2	2	2	2	2	2	2.5	2.5	2.5	2				1.5	1.5	2	2	3	3	2	2	2.5	2.5	2	2
Mount Wilson	3	4			3	3	3	4	4	4	3	3	3	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	
Zürich (Spectrohelioc.)	3	3.5			3				2.5	2.5		2.5		2.5					2.5	2.5						2.5	3							
Mean	3	3.8	3	3	3	2.7	3	2.7	2.6	2.5	3	2.4	2.7	2.4	3	3	2.1	2.1	2.2	2.2	3	2.1	2	2	2.8	2.5	2.1	1.8	1.3	1.7				2.5

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				
Arcetri/Firenze																																			
Evershed/Ewhurst	1	1	1	1	1	1.5	2				1						2		2	2			1								1	2		1.3	
Kodaikanal	2	2	3	2	2	2	2	2	2	2	2	2	2	3	2	2	3	2	2	2											2	1		2.1	
Meudon/Paris		2		2	2	2.5	2.5	2.5	2.5	2	2	2	2	2	2.5	2.5	3	3	2.5	2.5	2			2	2	2	2	2	2	2	2.5	2.5	2.5	2.4	
Mount Wilson	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	3	3	3	3	3	3	3	2.9	
Zürich (Spectrohelioc.)			2	2.5	2.5	3	3	2.5	3	2.5	2.5		2	2.5	2.5	3	3	2.5	2.5	2.5					2.5	3	2.5	2.5	2.5	3				2.6	
Mean	1.5	2	2.2	1.9	2.1	2.6	2.5	2.5	2.7	2.5	2	2.5	2.2	2.6	2.7	2.5	3	2.5	2.4	2.7	2.5	2	2	1.9	2.1	2.3	2.5	2.7	2.2	2.2	2.1		2.3		

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				
Arcetri/Firenze																																			
Evershed/Ewhurst									1																										
Kodaikanal				3		3	3	3	2	1	1	1	1	1	1	2					3	2		2	2									1.9	
Meudon/Paris	2.5		2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2	2	2	2	2.5	2.5	2.5	2.5	2.5	3	3	3	3	3	3	3	3	3	3	3	3	3	2.6		
Mount Wilson	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	3	3	3	3	3.0	
Zürich (Spectrohelioc.)	3	3	3									2.5	2.5	2.5		2.5	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2.9		
Mean	2.8	3	2.8	2.8	3	2.8	3	2.1	1.8	2	1.5	2.5	2.1	2.1	2.2	2.5	2.8	2.8	2.9	3	2.8	3	2.7	2.9	3	3.5	3.5	3.2	2.7	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																																			
Evershed/Ewhurst										0					0				1	0	0			1	1.5	0.5		0	0.5	0	0.5			0.4	
Kodaikanal		2	1	1	1	0	1	1	1	0	1	1	1	1	1	1	1	1	1	0	0	2	2	2	2	0	1	1	0	0	0		0.9		
Meudon/Paris						1	1.5	0	0.5			2.5	2.5					3	2	0	2		2.5	2.5				1	0.5	0.5	1		1.4		
Mount Wilson	3	3			1	2	3	3	1	2	3	3	3	3	4	4	3	1	0			3	4	3	2	2	3	2			2		2.5		
Zürich (Spectrohelioc.)	3.5	3			1					0.5			2						0.5	2.5						0	1.5						1.6		
Mean	3.2	2.7	1	1	1	1	2	1.8	0.8	0.6	2	2.1	2.2	1.5	2.5	2.5	2	1	0.1	1.5	2.5	2.4	2.2	1.5	0.7	1.4	1.1	0.2	0.3	1		1.5			

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				
Arcetri/Firenze																																			
Evershed/Ewhurst	0.5	1	1	1	2	2	2				0						1		1	0				0		1	0				0	1	0.8		
Kodaikanal	0	1	1	1	1	1	1	1	1	1	0	0	2	2	1	1	1	1	0												1	1	0.9		
Meudon/Paris		1.5		1.5	1.5	2	3	2.5				2	2	1.5	1	2.5	2.5	0.5	3	2			1	1	0	0.5	1	2.5	2.5	2.5	2		1.8		
Mount Wilson	2	2		3	3	3	3	3	3	2	2	2	3	2	1	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2.3		
Zürich (Spectrohelioc.)		1	1	1.5	2.5	2.5	2.5	2.5	1			1.5	2	1	1.5	2.5	2	1	2.5						1	0	0.5	2	2.5	2.5			1.7		
Mean	0.2	1.4	1.2	1.1	1.8	2.1	2.3	2.2	2.2	1.3	0.7	1	2.1	2	1.2	1.3	2.2	1.9	0.9	2.8	2.5	1.5	1	1	0	1	1.7	2.7	1.7	1.8	1.5	1.6			

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				
Arcetri/Firenze																																			
Evershed/Ewhurst									0	0					1	0	1																		0.8
Kodaikanal			2		2	0	0				0			1	1	2		1	1.5	1.5	1	3	3	3	2.5	1.5	2		2	3	3	3		1.9	
Meudon/Paris	2		3	3		1	1	1	1	1		0.5	1	1	2		3	3	3	3	3	3	3	3	3	2	3	3	3	3	3	3	2.4		
Mount Wilson	2	3		3	2	1		1	1	2	1	1	2	3	3		3	3	2	2	2	3	3	3	3	2	3	3	3	3	3	3	2.4		
Zürich (Spectrohelioc.)	2	2.5	3									1	1.5	2.5		2	2	2	2	2	2.5	3	3		1.5	2	2.5					2.3			
Mean	2	2.8	2.7	3	2	0.7	0	0.5	1	1	0.5	0.8	1.4	1.6	2	2	2.2	1.8	1.5	2.5	2.5	3	2.5	1.5	2.3	2.8	2.5	3	2.8	2.8		1.9			

Character Figures for bright H α -Flocculi.

The character figures are assigned on the 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
1936

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																																		
Evershed/Ewhurst				1								2	2									2.5		3				2	2			2		
Kodaikanal				2			2	1	1	1	1			2								3												
Meudon/Paris	3			2.5		1.5	1.5	2.5	2	2			2.5	2.5	2.5	3	3						3	2	1	1		2	2	2				
Mount Wilson	3	3	3	3	3		3	3		3		2	3				3	3	3				3	3	3	3		3	3	3	3	3	3	
Zürich (Spectroheliosc.)	3			2.5	2.5	2	2.5	2.5	2.5					2.5	2.5	2.5	2.5	3	3					3	3	3	3				2.5			
Mean	3	3	2	2.7	2.8	1.8	2	2	2.1	1.5	2	2.5	2.2	2.5	2.7	2.8	2.8	3	3	2.9	3	2.5	3	2.1	2.2	2.5	2.4	2.3	2.4	2.3	3	2.5		

August

Arcetri/Firenze																																	
Evershed/Ewhurst	2.5				2.5											3	3	3						2	2	2	1		1.5	2	2	2	2
Kodaikanal				2	2					2	3		3	3		2				2	2		2	2	1	2	2	2	2	2	3		
Meudon/Paris				2	2	2.5			2	2.5	2.5			2.5	3	3		3	3				2	2	2	2	2	2	2	3			
Mount Wilson	3	3	3	3	3	3	2			3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	3	3	3	3	3	3	3	3
Zürich (Spectroheliosc.)				2.5		3	3	2.5		2.5	2.5			3	3	3	3	3	3	3	3	2.5	2.5		2.5	2.5	2	2	2	2.5	2.5		
Mean	2.8	3	2.4	2.4	2.8	3	2.2	2	2.3	2.8	2.8	3	3	2.8	2.8	3	3	3	2.7	2.5	2.2	2	2.1	2.1	2	2.3	2.1	2.2	2.3	2.7	2.5	2.5	

September

Arcetri/Firenze																																	
Evershed/Ewhurst	2						3																3	3							3		
Kodaikanal	3	3	3	3	3	2	2	2	2	2	2	2	2	1	1	1	2	2	2	2	2	2	2	2	3	3	4	3					
Meudon/Paris				2.5			2	2	2	2		2	2	2	2	2	2	2	2	2	2	2.5	2.5	2.5									
Mount Wilson	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	3	3	3	3	
Zürich (Spectroheliosc.)	2.5	2.5	2.5	2.5	2.5	2.5		2.5		2.5	2.5	2.5	2.5		2.5		2.5	2.5	2.5	2.5	2.5	2.5	2.5	3	3		3.5			3.5			
Mean	2.6	2.8	2.8	2.8	2.6	2.6	2.3	2.4	2.3	2.5	2.4	2.4	2.2	2.1	2.1	2	2.4	2.4	2.4	2.5	2.5	2.7	2.9	3	3.5	3.2	3	3	3.2	3		2.6	

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																																		
Evershed/Ewhurst				0								1	0									2		2				1	1			0		
Kodaikanal				0			1	1	1	0	0			1		2					1	2		1	1	1	1	0	0	0				
Meudon/Paris	3			1		1.5	1.5	1.5	0.5	1			3	3.5	3.5	2.5	2.5						2		1	1.5	1.5	0.5	0	1				
Mount Wilson	2	2	0	1	2		3		2		1	1				2	2	3	3	2	2	2	2	3	3	2	2	1	1	2	2	2		
Zürich (Spectroheliosc.)	2			1	2	2	2	1	1					3.5	3.5	2	2	2.5	2	2				3	2.5	2.5	1.5	1.5			0			
Mean	2.3	2	0	1	2	1.5	1.9	1.2	0.9	0.5	1	0.5	2	3.5	3	2.2	2.2	2.8	2	1.8	2	2	3	1.9	1.8	1.2	1.4	0.5	0.2	1	2	1.7		

August

Arcetri/Firenze																																	
Evershed/Ewhurst	1				0											2	2	2					1	1	1	1	0	1	2	2	2	2	1
Kodaikanal				1	0					0	1		1	2		1						1	1	1	1	1	0	1	1	1	1	1	
Meudon/Paris				1.5	0	0			0.5	1	1				2.5	2	2.5	2.5	2.5					1	1	0.5	1	1.5	1.5	2	3		
Mount Wilson	3	2	2	1	1	1	1			3	3	3	3	3	3	3	2	3	3	3	2	2	3	2	1?	1	2	2	2	2	3	2	
Zürich (Spectroheliosc.)				1.5		0.5	0	0.5		1	2	2			3	3	2.5	2.5	3	3	2.5	2.5		1.5	1	1	1	1	1.5	1.5	2		
Mean	2	2	1.5	0.2	0.5	0.5	0.8	0.5	0.7	1.8	2.5	2	2.5	2.8	2.2	2.2	2.5	2.8	2.3	1.8	2.2	1.5	1.3	0.9	0.8	1	1.3	1.6	1.7	2.2	1.5	1.6	

September

Arcetri/Firenze																																	
Evershed/Ewhurst	1						2																0.5	1							2		
Kodaikanal	1	1	1	1	0	1	2	2		1	1		1	0	0								1	1	1	1	1	1	1	1	1	1	
Meudon/Paris				0.5			1	2.5	2				0.5	0		1.5	1.5		2	1.5	2	1	1.5	1	1.5								
Mount Wilson	3	2				2	3	3	3	3	3	3	2	2	2	3	3	3	3	2	2	2	2	1	3	2	2	2	3	3	3	2	
Zürich (Spectroheliosc.)	1	1.5	1.5	2	2	2.5		3		2	2	1	1		2.5		2.5	2.5	2	1	1.5	1	2.5				2			3			
Mean	1.5	1.2	1.2	1.5	1.2	2.1	2.5	2.5	2	2	1.4	0.8	0.5	1.4	1.8	2	2.1	2	1.8	1.3	1.5	0.9	1.8	1.5	1.5	1.7	3	3	2.5	2		1.7	

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Whole Sun Disc
1936

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														3		2.5						2		2	2											2.4	
Evershed/Ewhurst				3	3							2	3		3		3		2		1													2			2.4
Kodaikanal			4	4		4	4		4	4	3		2	2	2		3	3		2	2	2		2	2	2	2	2	2				2			2.6	
Meudon/Paris				3.5	3.5	3.5	3.5		3.5	3.5	3		2.5	2.5	2.5	2.5	3	3		3	3			3	2.5											3.0	
Mount Wilson	3			4	4	4	3		4	4	4	3	3	4	3	4	3					3	3		3	3	3	3	3							3.3	
Tashkent (Sp.-heliosc.)				3.5		2.5	2		3	2.5	3.5			2.5	2			2.5	3	2.5			1.5	1.5	1.5											2.4	
Zurich				4	4	4							3	3		3	3	3		2.5			3	3	2.5	2.5							3	2.5		3.1	
Mean	3	4	3.7	3.6	3.6	3.1	3.6	3.5	3.4	2.5	2.6	2.7	2.7	3.3	2.9	2.9	2.8	2.2	2	2.4	2.3	2.2	2.4	2.5	2.5	2.5	2.5	2.5	2.5	2.7	2.5	2.2	2.5	2.2	2.8		

November

Arcetri/Firenze						3												3.5	2	2	2	1.5	2.5	2.5	3.5	4.5							4.5			2.9		
Evershed/Ewhurst	2									2	2											2															2.2	
Kodaikanal				4				3	3			4	4	4		4	4				2	1	1	1	1	2	2			3			2	3	4		2.6	
Meudon/Paris										3.5	3.5	3.5					3.5	3.5																				3.5
Mount Wilson				4	5	4	4		4	4	3		4	4	4		3		3	3	3	3	2		2	3	3	3	3	3					4		3.3	
Tashkent (Sp.-heliosc.)					3.5	4	4						3	4	4	3	2.5	2				2													4	3		3.0
Zurich	3			4		4	4			4								2.5			3					2.5											3.4	
Mean	2.5	4	4.5	3.8	3.8	4	3.5	3	2.8	3.5	4	4	3.5	3.3	3.1	2.5	3.2	2.5	2.5	2.4	1.4	1.5	1.8	1.8	2.8	3.2	3	3	3.3	4.2					3.1			

December

Arcetri/Firenze			4.5		4.5	4																	3	3	3.5	4.5	4.5	3									3.8	
Evershed/Ewhurst	3		3	3														2							2.5		2.5	3		3					4		2.9	
Kodaikanal	3	3	3	3	3	3	3	4	3				2	2	2							2	2	2	3	3	3	3	3	4	3					2.8		
Meudon/Paris	4												2.5	2		2					2.5	3	2.5													2.9		
Mount Wilson			4			5	4		4	4	4	3	3					3	3			3	3	3	3	4	4	4									3.6	
Tashkent (Sp.-heliosc.)					3.5	3.5																																—
Zurich	3.5						4		4				3							3	3	3	3						4	3.5		4			3.5	3.5		
Mean	3.4	3.8	3.2	3.5	4	3.7	3	4	3.5	4	3	2.8	2	2	2		3	2.8	2.6	2.6	2.7	3	3	3.8	3.6	3.5	3.5	3	4	4.5	3.5					3.2		

Central Zone

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															2		1.5						0.5		1	1										1.5	
Evershed/Ewhurst				2	3							1	2		2		1		1																		1.5
Kodaikanal			2	2		2	3	2	1	1		0	1	2		1	1		1	1	1	1		1	1	1	1	1	1	1					0		1.2
Meudon/Paris				3	4	4	4	3	3	2	1	1.5	1.5	2	2	3	2	2.5	2	2				1.5	1	1	1	1	1	1	1						2.4
Mount Wilson	3			4	4	4	3	3	2	2	2	3	4	3	1	1						2	2	2	2	3	4	3	3	2						2.7	
Tashkent (Sp.-heliosc.)				2.5		2	2.5	2	2.5	1.5		1	1.5		1	1	1						0.5	0.5	1												1.5
Zurich				3	4	4							2.5	3		2		2	3	2														1	1		2.3
Mean	3	2	2.8	3.8	3.2	3.1	2.6	2	1.4	1.5	1.5	2.2	2.5	1.8	1.4	1.4	2.3	1.3	1	1.4	1.1	1.2	1.5	1.3	2	2.7	2.2	2.1	1.5	0.5	0.5				1.9		

November

Arcetri/Firenze						3													2		0	0.5	1	1.5		3	1	0	0.5						5		1.6	
Evershed/Ewhurst	2																																					1.4
Kodaikanal						3			2	1	1		2	2	2		3	3				0	0	0	1	1	1	0	0		1	2	3				1.4	
Meudon/Paris																																						3.7
Mount Wilson			4	4	4	4	3	3	3			4	3	4		4				2	1	2	1	2		2	2	1	1	2	4	4					2.7	
Tashkent (Sp.-heliosc.)					3	4	4			1.5		1	3	4	3	3	0.5																					2.3
Zurich	3			4		4	3			3							2.5						0.5															2.6
Mean	2.5	4	4	3.5	3.6	3.3	2.5	1.9	2.5	2.3	3	3	3.5	3.5	2.9	2.5	2	1	0.6	0.5	0.9	1.2	2	1	0.4	0.5	2	2.5	2.7	4						2.3		

December

Arcetri/Firenze			4		4	2.5																	1.5	1	1	3.5	4	2.5									2.7	
Evershed/Ewhurst	2		3	2																																	1.7	
Kodaikanal	2	2	2	2	1	1	1	1	2					1	1	1																					1.3	
Meudon/Paris	5													3	1		0.5																				2.5	
Mount Wilson			3		3	4		3	3	4	3	3										2	3	3	2	1	1	3	3	3							2.8	
Tashkent (Sp.-heliosc.)				3.5	2																																	—
Zurich	3.5						3		3				3							2	2.5	2.5	2					3	2					4			2.7	
Mean	3.1	3	2.8	2.5	2.2	2.7	1	2.3	2.5	4	3	3	1	1	0.5		2	2.7	2	2	1.5	1	0.6	2.5	2.8	2.6	1.7	1	2	4	4					2.2		