

Character Figures for dark 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 1929

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 ⁾																																	2.4
Evershed/Ewhurst																	2			3	3					2	2					3.1	
Kodaikanal	5	5	5	4	4	5	5		5 ⁾	1	1	2	3	3	3	2	3	2	2	2	3	2	2	2	2	4	3	3			3.2		
Meudon/Paris	5											2	3			3				4	4			3	2	3					3.5		
Mount Wilson	4				3				3	2	1	2	2	2	3									2	3	2		3	3	3	2.5		
Mean	4.7	5	5	4	3.5	5	5	3	3.5	1	1.5	2	2.7	3	3	2.3	3	2	3	3	3	2	2	2.3	2.5	2.7	2.7	3	3	3	3.0		
February																																	
Arcetri/Firenze ⁾																																3.0	
Evershed/Ewhurst				3														3	3	3			3									3.8	
Kodaikanal	2			3	4	2	4	5	4	3	3	4	4	4	4	4	4	4	5	4	3	4	4	5	4	4	4	3	4		3.4		
Meudon/Paris			4	3	4			3	3		2	3	3	4	4	4	4			3	3	3	4	3							2.6		
Mount Wilson					3				2	1	1	2	2	3	3	3	3			3	3	4	3	3	3			3	3		3.3		
Mean	2		4	3	3.7	2	4	4	3	2	2	3	3	3.7	3.7	3.7	3.7	4	3.2	3	3.7	3.5	3.7	3.5	4	4	3	3.7		3.3			
March																																	
Arcetri/Firenze				2			1	3.5	2							3.5	3		2	1.5			2									2.2	
Evershed/Ewhurst	2	2	4		4			2	4	3	2					2	3	3	3	2	2						3			2.5	1.5	2.8	
Kodaikanal	5	5	5	5	5	3	5	5	5	5	3	1	2	2	2	3	4	4	4	3	2	3	2				4	5	4	4	3	2	3.5
Meudon/Paris	3	3	4		3			4	4	4		4	3	2	2	3	3	3	4	4	3			3	3	4	3	3	3	4	3	3	3.3
Mount Wilson	3		4	3	3			4	3		2	2	2	2	2	2	2	2	2	2	2	2	2			3	3	2	3	3	3	2	2.6
Mean	3.2	3.3	3.8	4	3.7	2	4.1	3.2	4.3	4	2.5	2.1	2.3	2	2.2	2.5	3	3.2	2.8	2.2	2	3	2.5	3.3	3.7	3.3	3	3.3	3.1	2.3	2	3.0	

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 ⁾																																1.4
Evershed/Ewhurst																		1				2	2				1	1			1.6	
Kodaikanal	3	4	3	2	3	1	1		2	0	0	0	2	2	2	2	2	1	1	1	2	2	1	0			2	1	2		1.5	
Meudon/Paris	3											0	2									2	3								2.1	
Mount Wilson	4				3				1	2	1	0	2	3	4										2	2	2		2	2	2	2.1
Mean	3.3	4	3	2	3	1	1	1	2	0.5	0	0.7	2.3	3	2	1.3	1	1	1.7	2.3	2	1	0	1.3	1.5	1.7	1	2	2	2	1.7	
February																																
Arcetri/Firenze ⁾																																1.2
Evershed/Ewhurst					1														1	1	2											2.2
Kodaikanal	2			3	1	1	2	2	1	1	1	3	3	4	3	2	3	3	3	3	3	3	3	1	0	0	2	2	5		2.1	
Meudon/Paris			2	2	1			1	1			1	3	2	3	2	3	2	2	3	3	2	1									2.7
Mount Wilson					2					1	2	2	3	3	3	3	3			3	4	4	2	2	2			3	4		2.1	
Mean	2		2	2	1.3	1	2	1.5	1	1.5	1.3	3	2.7	3.3	2.7	2.7	2	2	2.5	3.3	3.3	2	1.3	1	0	2	2.5	4.3		2.1		
March																																
Arcetri/Firenze						1	2		1																							1.1
Evershed/Ewhurst	1	2	2		2			1	2		1	2				2	2		1	1	2						2			0	0	1.3
Kodaikanal	5	5	4	2	4	1	3	3	3	2	1	1	1	1	2	4	5	5	2	0	0	0	0	1	4	4	4	2	1	2	2	2.4
Meudon/Paris	3	2	2	2	2	1	1	1	1	2	1	1	1	1	3	3	2	3	1	1	1	1	1		2	3	2	2	1	1	1	1.8
Mount Wilson	3		3	3	4			3	3		2	2	3	3	3	3	3	2	3	1	1	1				3	3	2	2	2	2	2.5
Mean	3	3	2.4	2.5	3	1	2.5	1.8	2	1.7	1.5	1.7	2	1.3	2.2	2.6	2.7	3	1.2	0.4	0	0	1.5	2.7	3	3	1.7	1.7	1	1	1.7	1.9

⁾ Observations interrupted owing to repairs on the solar tower.

Character Figures for dark H α -Floculi.

The character figures are assigned on the scale of 1, 2, 3, 4, 5, 0. 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
1929

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		2		2	2	2	2						0.5	1.5	2		1		2	1.5	1											1.8
Evershed/Ewhurst	3	3	3	3			2	2	2	3	2	2		2	2					1	2	1	2	2	2	1	3	3	3					1.8	
Kodaikanal		2	2	2										1	1	1	1	2	2	1	2	2	2	2	2	2	1	3	3	3				1.8	
Mendon/Paris	3	3	3	3	3	3		3	3	2	2	2	2	1	2	3	3	2	2	2	2	2	2	2	2	3	3	3						2.5	
Mount Wilson	3		3	3	2	3	3	3	3	3	2	2	2	2	2	2	3	2	2	2	2		3	3	2	3	3	2	2	2	2	2	2	1.8	
Mean	3	2.7	2.9	2.8	2.3	3	2.3	2.7	2.5	2.5	2	2	1.8	1.7	1.8	1.9	2.1	2	1.7	1.8	1.5	2.3	2.1	1.7	2	3	2.7	2.7	2	2	2	2	2.2		

August

Arcetri/Firenze							2	1										1																	1.9	
Evershed/Ewhurst														3	2			3			4			3		3	2	3	2	3		1	2.5	2.5	3	1.9
Kodaikanal	2	1	2	2	4	3	3	3	2	1	3	1	2	3	1		3			3	3	2	4		4	3	3	4	4		5	5	2.8			
Mendon/Paris		2	2	3	3	3		3	3	3	2	2	3	3	2	2	3	3	3		3		3	3	3	3	3	3	4	4	4	4	4	2.9		
Mount Wilson	2	2	2		3	2	2	2	2	2	2	1	2	2	2	3	3	2	3	2	3	2	3	2	3	2	3	3	3	3	4			2.4		
Mean	2.3	1.7	2	2.5	3.3	2.7	2.3	2.3	2.3	2	2.3	1.3	2.3	2.8	1.8	2.5	2.5	2.7	3	3	2.7	3.5	2.7	3	3	2.5	3.3	2.8	3.1	3.9	3.5	2.6				

September

Arcetri/Firenze		1	1	1.5	1.5								2.5						2															1.6
Evershed/Ewhurst	3	3	4	3	2	2	2	2	3	2	3		4	2						3	2	2	1		3	3	3				2		2.6	
Kodaikanal	5	5	5	5	5	3	3	3	3	3	3	3	2			2	2	4	2	2	1	1	2	2			3	2					3.0	
Mendon/Paris	4	4	4	4	3	2	2	2	2	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3				2.5
Mount Wilson	3	3	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	2.1
Mean	3.8	3.2	3.4	3.1	2.7	2.3	2.3	2.3	2.5	2.3	2.8	2.6	2.7	2	2	2	2	2.7	2	2.3	1.7	1.7	1.8	2	2.3	2.3	2.8	2.3	2.5	2			2.4	

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			2		1		1	1	1	2	1.5					0.5	1.5	1.5		1		1	0.5	0.5										1.1
Evershed/Ewhurst	2	2	2	2			1	1	1	2	2	2	2	1	1																			1.6
Kodaikanal		3	3	3									3		1	0	3	3	2	1	2	2	2	3	2	4	3	2					2.3	
Mendon/Paris	3	2	2	2	1	1		0	1	1	2	3	2	1	1	1	2	2	1	1	1	1	1	1	2	2	1	1					1.5	
Mount Wilson	3		4	3	2	2	1	2	3	3	2	3	2	1	1	2	3	2	2	1		3	3	2	3	2	3	3	3	2	2	2	2.3	
Mean	2.7	2.3	2.6	2.5	1.3	1.5	1	1	1.5	1.8	2	2.4	2.3	1	1	0.9	2.4	2.1	1.7	1	1.5	1.8	1.6	1.8	2.3	2.7	2.3	2	3	2	2	2	1.9	

August

Arcetri/Firenze							2	1										1																	1.1
Evershed/Ewhurst													1	0*			2		2		2		1	2	2	2	2	2	1	1	1	1	1	1.4	
Kodaikanal	2	1	2	3	5	5	5	2	3	1	1	1	1	3	0		3		2	1	2	2		1	3	4	4	4	4	3	2	2.4			
Mendon/Paris	1	1	1	2	3	3		1	1	0	0	1	1	2	0	1	2	2	0		2		1	1	2	3	3	2	2	2	2	2	1.5		
Mount Wilson	2	1	2		4	4	3	2	1	0	1	1	1	2	1	3	2	2	1	2	3	3	2	2	3	3	3	3	2	3			2.1		
Mean	1.7	1	1.7	2.5	4	4	3.3	1.5	1.7	0.3	0.7	1	1	2	0.3	2	2	2	1	1.7	2.3	2.5	1.3	1.3	2.5	3	3	2.2	1.5	2.3	1.5	1.9			

September

Arcetri/Firenze		0.5	1	0.5	1					1								1	1															0.9
Evershed/Ewhurst	2	2	2	1	1	1	1	2	2	0	2		3	1						2	0	0	0		2	2	3				1		1.4	
Kodaikanal	5	3	2	2	5	2	2	3	2	3	4	2	2			0	1	1	1	1	1	1	1	1			5	5				2.3		
Mendon/Paris	3	3	2	1	1	1	1	1	2		2	2	2	1	0			1	1	2	1	0	0	1	2	2	3	2	0				1.4	
Mount Wilson	3	2	2	1	1	2		2	2	3	2	2	2	2	2	1				2			1	2	2	3	4	3	1	1			2.0	
Mean	3.3	2.1	1.8	1.1	1.8	1.5	1.3	2	1.8	2	2.5	2	2.3	1.7	1.5	0.3	1	1	1	1.8	0.7	0.3	0.5	1.3	2	2.3	3.8	3.3	0.5	0.8			1.6	

* Complete disappearance of a large very dark flocculus between August 14 and 15.

Character Figures for dark H α -Floculi.

The character figures are assigned on the scale of 1, 2, 3, 4, 5, 0. 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 1929

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						2	2	2	1		2	1.5									2										
Evershed/Ewhurst	2																																			1
Kodaikanal	4				3	3	2		2	3	3	4	1	3	3	3	3	3	3	2	1	2	2	2	2	1	3	2	1	2						
Meudon/Paris	4					3	3	2	3			1		3	3	3					2	3	3		3	3		2	2				3			
Mount Wilson		2	3	2	2	3	2	2	2	2	2	2		1	2	2	2	2	1		1	1	2	2	2	2	2	2	2			2	1	1		
Mean	3.3	2	3	2	2.3	3	2.3	2	2.3	2.3	2.3	2.3	1	2.7	2.5	2.4	2.5	2	2	1.3	2	2.3	2	2.3	2.3	2	2	1.7	2	2.5	1	1				

November

Arcetri/Firenze																																			
Evershed/Ewhurst	2		3									2		2	2		3					2													3
Kodaikanal			2		3	4		3	3	5			2	1	1	1	1	2	2			2				2	2	2	4	3	3	3			
Meudon/Paris				3			4		4			3	3	1	1			2	2	2						2	2	2	2	2	2	2	2	3	
Mount Wilson	1	2	2	3	3	3	3	3	3	3	3	2	1	2	2	2	2	2	2	3	2		2	2	2	2	2	2	3	2	2	2	3		
Mean	1.5	2	2.3	3	3	3.5	3.5	3	3.5	4	3	2.3	1.5	1.5	1.7	1.5	2	2	2.3	2	1.5	2	2	2	2	2	2	2.8	2.5	2.5	3				

December

Arcetri/Firenze								3		2		2			3	3																		
Evershed/Ewhurst						3		3		2		2				2	2		2	2						3		2						
Kodaikanal	1				3	3	3		3	2	2		1	1	1	1	1	1	1	1	2	2					2	2	4	3	3	3	3	
Meudon/Paris					3	3	3		2		2		2	1	1						2	2		1		2	2	2	2	3	3	3	3	3
Mount Wilson	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	2	3		2	3	3	3	3	3	3	
Mean	2	3	3	3	3	3	2.8	2	2	2.3	2	1.7	1.8	2	1.5	1.5	1.4	1.7	1.8	2	2	2	2	1.5	2.7		2	2.5	3.5	3	3	3		

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					1						1	2	2	1		0	0									1								
Evershed/Ewhurst	1																																	
Kodaikanal	1				2	1	2		2	0	1	2	2	2	3	2	2	2	2	3	1	1	1	1	1	4	3		2	1				0
Meudon/Paris	1					2	2	2	2			1		1	1	1					1	1	1		3	3		1				0		
Mount Wilson		3	2	2	2	3	3	3	2	1	2		1	2	2	2	2	1	2	2	2	1	2	2	1	2	3	4	3	1	1	1	1	
Mean	1	3	2	2	1.7	2	2.3	2.5	2	0.7	1.7	1.7	1.3	1.7	1.5	1.3	1.5	2	3	1.3	1	1	1.5	2.8	3	3	3	1.3	1	0.5	1	0.5		

November

Arcetri/Firenze	1										1	1			1	2																		
Evershed/Ewhurst			1																		1													2
Kodaikanal			2		2	3		3	2	2			1	2	2	2	2	2	2	2	2	2			5		1	1	1	2	2	3	3	
Meudon/Paris				2			2		1		0		1	1	1	1					1	1	1		1									
Mount Wilson	1	2	2	2	2	3	3	2	2	3	2	0	0	2	2	2	2	2	1	3	2		3	3	1	2	2	2	2	2	2	2	3	
Mean	1	2	1.7	2	2	3	2.5	2.5	1.5	2	1.5	0.3	0.5	1.5	2	2	1.5	1	2	1.5	2	3.3	3	1	1.5	1.3	1.5	2	2.5	2.7				

December

Arcetri/Firenze								1		0		2		2	2																			
Evershed/Ewhurst						2				1						3	2	2																4
Kodaikanal	2				4	3	3			2	1	1	2	1	1	1	2	2	2	2	1	1	1		1			3	2	2	2	1	4	
Meudon/Paris					3	3	2			1	1	1	2	1	1	1					2	1	1		2			2	2	2	2	2	4	
Mount Wilson	2	1	3	4	3	3	2	2	1	2	2	2	2	2	1	1	1	2	2	2	2	2	2	2	2	3		3	3	2	2	1	4	
Mean	2	1	3	4	3.5	2.8	2	2	0.5	1.3	1.5	1.3	2	1.7	1	1.5	1.8	2	1.8	1.3	1.5	2	1.5	2.3		2.5	2.5	2	2	1	3.7			