

Character Figures for dark H α -Floculi.

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 floculi. As central zone a circular surface of a semi-diameter of the sun's disc has been taken.

Whole Sun Disc
1931

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	1								0.5	0.5	0.5	1	1		0.5								0.5													0.7
Evershed/Ewhurst												1	1									1										1			1.0	
Kodaikanal	1	2	2	2	2	2	1	2	2	2	2			1	2	2	3	2	2	3	2	3	3	3	2	2	1	1	2	3				2.0		
Meudon/Paris	1.5				1			1	0.5	1	0.5	0.5	1	1	1		0.5					2.5	2	2.5	2	2	1	1	1	1.5				1.2		
Mount Wilson	1	2	2	1			1	2	1	1		1	1	2	2	2	1	1	2	2									1	2	2				1.5	
Mean	1.1	2	2	1.5	1.5	2	1	1.7	1	1.1	1	0.9	1	1.3	1.3	2	1.5	1.5	2	2.5	2.2	2	2	2.5	2	1.5	1	1	2	1.9				1.6		

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	1											1	1		1	0.5							0.5		0.5					1	0.5				0.8
Evershed/Ewhurst							2		2													1				0	0		1		1			1	1.0
Kodaikanal	2	2	2	2	2	2	3	2	3	3	2	2	3		3	2	2	2	2	2	2	1	2	1	1	1	2	2	2	2	2	2	2	2	2.0
Meudon/Paris	1				1.5	2	1			2	1	1	1.5	1.5	1.5				1.5				1.5	1	0.5	0	1	0.5	0.5					0.5	1.1
Mount Wilson	1	2	2	2	2	2	2	3	2	2	2	2	2	1	1	1	1	1	1	1	2	1	2	2			1.5	1.5	1	1	1	1	1	1	1.7
Mean	1.2	2	2	2	1.8	2	2	2.5	2.3	2.3	1.7	1.5	1.5	1.2	1.6	1.2	1.5	1.8	2	1.5	2	1.4	1.4	0.8	0.5	0.9	1	1.5	1.1	1.2	1.1	1.6			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			0.5	0.5	0.5	1						1		1	1	0.5	0.5	0.5	0.5						1	0.5		0.5							0.7
Evershed/Ewhurst		1														0												1			1				0.8
Kodaikanal	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	1.8
Meudon/Paris			0.5	1	1	1				1	1	1	1	1	1		1	1	1	1.5	1	1.5	2	1	1.5	1.5	1	1	1	1	1	1	1	1	1.1
Mount Wilson	1	1	1	1					1	2	1	2	1	1	1	1	1	1	1	1	1	2	1	1	2	1	1	1	1	1	1	1	1	1	1.2
Mean	1.5	1.3	1	1.1	1.2	1.3	2	1.5	1.5	1.5	1.5	1.5	1.5	1.2	1	0.9	0.9	0.9	1.2	0.9	1.8	1.7	1.3	1.8	1.4	1.1	1	0.8	1.2	1				1.3	

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	0.5								0	0	0	0	0		0								0.5												0.1
Evershed/Ewhurst												0	0										1										1		0.5
Kodaikanal	1	2	3	3	1	1	0	1	1	0	1			1	2	1	3	2	0	0	0	0	1	1	1	2	1	1	0	0	0	2		1.1	
Meudon/Paris	0.5				0.5				0	0	0	0	0	0.5	1	0.5		0.5				0	1	0.5	1	0	0	0	0	0	0	0	0	0.4	
Mount Wilson	1	3	3	1			0	1	0	0		1	0	1	2	2	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1	1	1	0.9	
Mean	0.8	2.5	3	2	0.8	1	0	0.7	0.2	0	0.3	0.2	0.1	1	1.1	1.5	1.5	1.5	0	0	0	1	0.7	1	1	0.5	0.5	0	0.5	0.5	1.2			0.8	

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	0.5											0.5	1	1	0.5	0	0																	0.3	
Evershed/Ewhurst							1		1														1			0.5	0		0	0	0	0	0	0	0.4
Kodaikanal	0	0	0	1	3	3	3	1	1	1	2	2	2		1	0	0	0	0	0	1	3	3	2	0	1	1	1	0	0	1	2	1.2		
Meudon/Paris	0.5				2	2	1.5			1	0.5	1	0.5	0.5	0								2.5	0.5	0	0	0	0	0	0	0	0	0	0.7	
Mount Wilson	1	0	1	3	3	3	2	2	1	2	2	3	2	1	0	0	0	0	0	1	1	2	3	0			0	1	0	0	1	0	1	1.2	
Mean	0.5	0	0.5	2	2.7	2.7	1.9	1.5	1	1.3	1.2	1.8	1.4	0.7	0.2	0	0	0	0	0.5	1	2.5	2.4	0.6	0	0.5	0.2	0.5	0	0	0.7	0.5	0.9		

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			0.5	0.5	0.5	1						0.5		0.5	1	0.5	0.5	0	0	0														0.4
Evershed/Ewhurst		1												0															1			1	0	0.6
Kodaikanal	2	2	1	3	1	3	2	2	2		1	1	1	1	1	1	1	1	0	2	2		1	1	0	0	2			3			1.4	
Meudon/Paris			0.5	1	0.5	1		0.5			1	0.5	0	0		0.5	0.5	0.5	0.5	0.5	0	0.5	0	0	0	0	1	2	2	2.5	2	0.5	0.7	
Mount Wilson	2	1	1	2					1	1	1	1	1	1	1	0	1	1	1	1	0	1	0	0	0	1	2	1	2	1	1	1	1	1.0
Mean	2	1.3	0.8	1.6	0.7	1.7	2	1.2	1.5	1	0.8	0.6	0.7	0.6	0.8	0.5	0.8	0.4	0.9	0.6	0.5	0.5	0.3	0	0.5	1.6	1.3	1.5	1.8	0.5			1.0	

Character Figures for dark H α -Flocculi.

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Whole Sun Disc
1931

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

August

Arcetri/Firenze	0.5					0.5		0.5		0.5		0	0						0.5	0.5	1							1.5	1	1.5	1.5	1	0.8	
Evershed/Ewhurst			1	1						1	1	0						2					2			2	1	2						1.6
Kodaikanal	1	1	1	1					1	1	1	0		1				1				2	2					2	2				1.2	
Meudon/Paris	1			0.5	0.5	0	0			0.5	0		0.5		1			1			0.5	2	2			2	2	2	1.5				0.9	
Mount Wilson	2	2	1	1	0	0	0	1	1	1			1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2					1.0	
Zürich (Spectrohelioc.)	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	0	0	0.6	
Mean	1.1	1.3	1	0.8	0.2	0.1	0	0.5	1	0.8	0.7	0	0.4	1	1	1	1	1	1.2	0.5	0.7	1	1.7	1.7	1	1.5	1.8	1.9	1.7	1.6	1.5	1.5	1.0	

September

Arcetri/Firenze		1						1				0						0.5	0.5	0.5	1							0.5			0.5		0.6	
Evershed/Ewhurst								2		1	1	2	1				1							3			2	2	2	2	1			1.7
Kodaikanal	2	2	2	1	2	2	2	1	1	1	1	1	1	1	1	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	1		1.7	
Meudon/Paris			0.5			1	1	0.5	1	1	0.5	1	1	0.5	0.5	0.5	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	0.9	
Mount Wilson	1	1		1	2	2	2	1	1	2	1	1	1	1	1	1	1	1	1	2	1	2	2	2	2	2	2	1	1	1	1	1	1.3	
Zürich (Spectrohelioc.)														0.5	0			1	0.5			2			1.5	1.5		0.5	0				0.8	
Mean	1.5	1.2	1.2	1	2	1.7	1.6	1	0.9	1.2	1	1	0.8	0.8	0.4	1.2	0.8	1.1	1.2	1.3	1.8	1.7	2	1.8	1.8	2	1.2	1.5	1.2	0.7		1.3		

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	0.5	1				0.5				0.5	0.5	0	0	0			0.5				0	1	2	1	2		0		1	1	1.5	0.7		
Evershed/Ewhurst	1		1					1	0			0	0																					
Kodaikanal		2	2	2	2	2	1	1		1	0	0	1			0	1	0	0	0	0	0	1	2		2	1	0	0	1		3	1.0	
Meudon/Paris	1	1	1.5	2	1.5	1	1	0.5	0.5		0.5		0		0	0			0	0	0	1	2	2.5	2.5		0	1	1	1		0.9		
Mount Wilson	1	1	2	2	3	2	1	1	1	1	0	0	1	0	0	0			0	1	0	0		3	2	2	0	2	2	3	2		1.2	
Zürich (Spectrohelioc.)																								2	1.5									
Mean	0.9	1.2	1.6	2	2.2	1.4	1	0.9	0.5	0.8	0.2	0	0.5	0	0	0	0.8	0	0.3	0	0	0	1	2.2	1.8	2.1	0.5	0	1	1.2	2	2.1	0.9	

August

Arcetri/Firenze	0					0		0		0.5		0	0						0.5	0.5	0.5							1.5	1.5	0.5	0.5	0	0.4	
Evershed/Ewhurst			0	0							0	0						2					0				1	2						0.7
Kodaikanal	1	0	0	0					0	0	0	0		1			1												3	1			0.5	
Meudon/Paris	0.5				0	0	0				1	0		0.5				2		0.5		0	0				2.5	3	2.5	0.5			0.8	
Mount Wilson	2	1	0	0	0	0	0	1	0	1			1	1	0	0	1	2	1	1	1	0	0	1	2	3	3	2.5	0.5				0.9	
Zürich (Spectrohelioc.)	0.5	0	0	0	0	0	0	0					0	0	1	0									1.5				0.5					0.3
Mean	0.8	0.3	0	0	0	0	0	0.3	0	0.6	0	0	0.4	1	0	0	1	1.8	0.5	0.7	0.8	0	0	1	1.8	1.9	2.4	2.3	0.6	0.5	0		0.6	

September

Arcetri/Firenze		0						0		0								0	0	0	0							0.5			0		0.3		
Evershed/Ewhurst								0		0																								0.2	
Kodaikanal	0	1		1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	3		1	1	0	0	0		0.7		
Meudon/Paris		0	1			1	0	0	0	0	0	0	0	0	0	0	1					1	1		2		2	0	0	0	0		0.6		
Mount Wilson	1	0	1	1	2	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	1	3	2		2	0	0	0	0		0.6		
Zürich (Spectrohelioc.)																																			0.5
Mean	0.5	0.2	1	1	2	1	0	0	0	0	0	0	0	0	0	0.8	0	0	0	0	0	1.2	1.3	2	2.2	0.8	1.7	0.4	0	0.2	0		0.5		

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Whole Sun Disc 1931

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	0.5	1	1		0.5	0.5			0.5						1																				0.7
Evershed/Ewhurst		1									2				2													2							
Kodaikanal	1	1	1	2	2	1	2	1	1	1	1	1	1	1	2	1	1	1	1	1	2	1	1		1		1	1	1	1	1	1	1	1.2	
Meudon/Paris	1	1	1	1	1	1.5	1	1	1	0.5	0.5	0.5		1	1.5	1	1	1	1	1	1	1	1		1	1	1	0.5	1	1	1	1	1	1.0	
Mount Wilson	1	1	1	2	2	2	2			1	1	1	1	1	2	1	2	1	2	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1.2	
Zürich (Spectroheliosc.)	0	1.5		1.5	2	2			1	0.5	0.5	1	0.5		2	2	2	2	2	0		1	1	1	1	1	1	1	1	1	1	1	1.2		
Mean	0.6	1.1	1	1.6	1.5	1.4	1.7	1	0.9	0.8	1	0.9	0.8	1.3	1.6	1.2	1.5	1.3	0.5	1.5	1	1	1	1	1	1	1.1	1	1	1	1	1	1.1		

Observatory	November																															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					1																						
Evershed/Ewhurst	2												1											0											
Kodaikanal					1		1	1	1	1	1	1		1	1	2	2	1					1	1	1			1	1						1.1
Meudon/Paris	1	1	1	1			0						1	1		1.5	1.5						0.5								0.5	2	2		0.9
Mount Wilson	2	2	1.5	1	1	1		0.5	0.5			1	1	1							0	0	1	1										1.0	
Zürich (Spectroheliosc.)	2	2	2.5	1	0.5		0				1.5	1										1	0.5							1.5				1.4	
Mean	1.8	1.7	1.7	1	0.8	1	0.2	0.8	0.8	1	1.2	1	1	1	1	1.8	1.5	1	1	1	0	0	1	0.8	0.5	1.3	2	1	1	2	2			1.1	

Observatory	December																															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	0.5											0.5	0.5		0.5	0					0		0									0.4	
Evershed/Ewhurst							0											1																	
Kodaikanal			1	1	1	1					1	1			1	2			1	1						1	1		1	1	1	1	1	1	1.1
Meudon/Paris					0		0	0.5				0.5	0									1									0.5				0.4
Mount Wilson	1		1	0.5	0.5	0.5	0.5					1	1				2	2	1.5	1			1							1a	1a			1.0	
Zürich (Spectroheliosc.)					1.5						1	0.5	0.5				1		1	1	0.5										1	0.5			0.8
Mean	1	1	0.8	0.8	0.8	0.8	0.2	0.5			1	0.8	0.2	0.5	0.8	2	1.2	0.9	1	0.5	1	0		0	1	0.8		1	0.8	1	0.7	0.8			

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	0	0.5	0.5		0.5	0.5			0						0																				0.3
Evershed/Ewhurst		1									1				0														1						
Kodaikanal	0	0	1	1	1	1	1	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0		0			1	1	1	0			0.4	
Meudon/Paris	0	0	0	0.5	1	1	0.5	0.5	0	0	0.5	0										0.5	0			0.5		1	1	1	0			0.4	
Mount Wilson		1	1	0	1	1	1	1		1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	1	0	0.5			0.6	
Zürich (Spectroheliosc.)	0	1		1	1.5	1				0	0.5	0.5	0	0		0.5	0	0	0.5	0		0.5	0											0.5	
Mean	0	0.6	0.6	0.6	1	0.9	0.8	0.8	0	0.4	0.6	0	0.3	0.3	0.1	0	0	0.2	0	0	0.8	0	1	0.5	0.5	0.7	1	1	1	0	0.2	2		0.5	

Observatory	November																															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																											
Evershed/Ewhurst	2						0						1											0											
Kodaikanal						0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1		1	0						0.1
Meudon/Paris	2	1	0	0			0						0.5			0.5							0												0.4
Mount Wilson	3	0	0	0	0	0						1	0	0									0	1.5	1	1.5			0	2	1.5			0.6	
Zürich (Spectroheliosc.)	1.5	1.5	0	0.5	0		0				0.5	0.5						0.5	0	0.5	0	0	1.5	0		1.5	2		1.5				0.7		
Mean	2.1	0.8	0	0.2	0	0	0	0	0.2	0	0.2	0.5	0.5	0	0	0.2	0.2	0	0.5	0	0	0.8	0.2	0	1.3	2	1	0.5	2	1.5			0.5		

Observatory	December																															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		0.5	0.5											0.5	0.5		0	0																	0.3	
Evershed/Ewhurst							0																													
Kodaikanal			0	0	0	0						0	0	0	0	0													1	1	1	1	1	1	0.2	
Meudon/Paris					0		0	0				1	0										1							0					0.2	
Mount Wilson	1		2	0	1	0.5	0.5					1	1			0	0	0	0	0.5	0.5								0a	1a				0.6		
Zürich (Spectroheliosc.)					0.5						0.5	0.5	0.5				0.5		0.5	0.5															0.5	
Mean	1	0.5	0.8	0	0.4	0.2	0.2	0			0.2	0.6	0.2	0.5	0.2	0	0.2	0.2	0.3	0.5	1	0		0	0	0.3		1	0.3	1	0.5			0.4		

a = Very bright H α south group.