

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
1935

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		0.5	1	0.5					0.5	0.5			0.5	1	0.5		0.5	0.5				1									0.5	0.6
Evershed/Ewhurst				0																								0.5	0.5			—
Kodaikanal	1	1	1	1	0	0	0		1	1	0	0	0	1	1	1			0					2	1	1	1	1	1	1	0	0.7
Meudon/Paris				0		0					0	0						0.5	0	0						0.5	0.5	0.5	0.5			0.2
Mount Wilson	0.5		0.5			0.5	0.5						0.5		0.5	0.5			0.5	0.5	0.5			1.5	1			1?	1	0.5	0.5	0.7
Zürich (Spectroheliosc.)						0.5					0.5						0.5	0.5	0.5	0.5	1.5	2				0.5				0.5		0.8
Mean	0.8	0.8	0.8	0.4	0	0.2	0.2		0.8	0.8	0.2	0	0	0.7	1	0.7	0.5	0.5	0.2	0.3	0.5	1.5	1.5	1.8	1	0.7	0.8	0.8	0.8	0.7	0.3	0.6

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												0.5					0.5	0.5	0.5	0.5								1				0.6
Evershed/Ewhurst					0			0	0				0			0.5				0			0.5									0.1
Kodaikanal		0	1	1	0	0	1	0	0	1	1	2	1	1	1	1	1	1	1	2	1	1	2	2	2	2	2	2	2	2		1.1
Meudon/Paris			0.5		0		0	0	0	0				0	0.5	0.5			0.5	0			1		1	1						0.3
Mount Wilson	0.5										0.5		0			0.5	0.5	1	1	1	0.5	1	1	1.5	1	1	1.5	1	1			0.8
Zürich (Spectroheliosc.)											1			1		0.5	0.5	1	1.5			1	2				1	1.5				1.1
Mean	0.5	0	0.8	1	0	0	0.5	0	0	0.5	1	1.2	0.5	0.5	1	0.5	0.6	0.8	0.8	1.2	0.4	1	1.2	0.8	1.5	1.3	1.2	1.8				0.7

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		1		1	1	0.5		1					1	1					1.5	1.5					3	2	1.5	0.5		0.5	1.2	
Evershed/Ewhurst	1			1			1				1	1	1	1			1				1											1.0
Kodaikanal	1	1	2	3	2	1	2	2		1	1	1	1	1	1	2	2	1	2	2	2	3	3	3	3	3	3	2	2	1	1	1.8
Meudon/Paris	0.5			1	0			1			1	0.5	1	1	1			1	1.5	1.5	1.5				2	2	1	1		0	1.0	
Mount Wilson	1				1					1	1	1?	1	1	1.5			2	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3	2	3	2	1	0.5	1.6
Zürich (Spectroheliosc.)		1.5					2	2	1	1	1.5	1	2	1	1	2		2	2.5	2.5	2.5	2.5			2.5	3	2	2	2		0.5	1.8
Mean	0.9	1	1.8	1.5	1	0.8	1.5	1.5	2	1	1	1.1	0.9	1.2	1	1	1.8	1.5	1.4	1.9	1.8	2.1	2.8	2.5	2.7	2.6	1.9	1.3	1.2	0.5	0.8	1.5

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	0					0	0				0	0	0		0.5	0												0	0.0
Evershed/Ewhurst				0																									0	0		—
Kodaikanal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0				0	0	1	1	1	0	0	0	0	0.1
Meudon/Paris				0		0	0	0	0	0								1	0	0						0.5	0.5	0.5	0			0.2
Mount Wilson	0.5		0			0	0						0		0	1			0.5	0				0.5	1			0.5?	0	0	0	0.3
Zürich (Spectroheliosc.)						0					0					0?		0	0.5	0	0.5	0.5				0.5				0	0.2	
Mean	0.2	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0.5	0.8	0	0.3	0	0.5	0.2	0.2	0.5	0.7	0.8	0.5	0	0	0	0.2

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												0					0	0	0.5									0				0.1
Evershed/Ewhurst					0			0	0					0			0				0											0.0
Kodaikanal		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0		0.1
Meudon/Paris					0		0	0	0	0																0	0					0.0
Mount Wilson	0									0.5			0.5			0	0	0	0	0	0	0	0	0	0	0	0	0			0.1	
Zürich (Spectroheliosc.)												0		0.5		0.5		0	0	0.5				0	1			0	0		0.2	
Mean	0	0	0	0	0	0	0	0	0	0.2	0	0	0.2	0	0.2	0	0	0	0	0.8	0	0	0	0.3	0	0	0	0	0	0	0.1	

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		0		0	0.5	0		0						0.5	0.5					0	0.5					1	0.5	0	0		0.3	
Evershed/Ewhurst	0			0			0						0	0	0		0				0											0.0
Kodaikanal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	1	1	0	0	0	0	0	0.2
Meudon/Paris	0			0	0		0						0	0	0	0										1	0	0	0			0.1
Mount Wilson	0.5				0.5					1	0		0?	0	0.5	0.5				0.5			2	2	0.5	1	0	0	0	0	0	0.5
Zürich (Spectroheliosc.)			0.5					0	0	0	0.5	0	0	0	0	0	0	0.5		0	0.5	1	1.5	2	1	0.5	0	0			0	0.4
Mean	0.1	0	0.2	0	0.2	0	0	0	0	0	0.5	0	0	0.1	0.1	0.1	0.3	0	0	0.3	0.6	1.4	1.7	1.2	1	0.4	0	0	0	0	0	0.3

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
1935

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	0.5				1	1			0.5	1															0.8
Evershed/Ewhurst					0	0									1									1.5	2										0.9
Kodaikanal	1			1	2	2	2	3		1	2	2	2	2	2	2	2	2	2	3	3	3.5	3.5	3.5	3	4	4	3	2	1				2.3	
Meudon/Paris			1		1	1			1				1	0.5					1	1	1	1	1.5	1.5			2.5	2			0.5				1.2
Mount Wilson	1	1.5			1	1				0.5	0.5					1.5	1	1.5	1	2	2	3	2.5	3	3			2.5						1.7	
Zürich (Spectroheliosc.)				1	1				1		0.5	1		1.5	1	1				2	2	3	3	3	3				3			0.5		1.7	
Mean	1	1.5	1	1	1	1	2	1.7	0.5	0.6	1.1	2	1.5	1.1	1.3	1.5	1.3	1.5	1.4	1.8	2.7	2.8	2.4	2.9	3	3.2	2.8	3	2	0.7				1.7	

May

Arcetri/Firenze		0	0.5							1.5	1.5									1	1														0.9
Evershed/Ewhurst		0	0.5							1	0.5	1	0.5				0.5	0.5					0.5												0.8
Kodaikanal	0	0	1	2	2	2.5	3	2.5	2.5	2	2	2	2	2	2	1	1	1	2	2		2	2.5	2.5	2	2	2	2	2	2	1.5	1		1.8	
Meudon/Paris	0	0	0.5			2	2			1	0.5	0.5	0.5	0	0.5	0.5	1		0.5	1	1	1.5	1.5		1.5	1.5								2	0.9
Mount Wilson			1	1.5	2	2	2	2.5	1	1		1?	1			1	1.5	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2		2	1.6
Zürich (Spectroheliosc.)	0.5	0.5	1	1.5	2		2	2.5	1	1	1		1	1	1			1	1	1.5	1.5	2	2	2	2	2	2	2	2	2	2	2	2		1.8
Mean	0.2	0.1	0.8	1.7	2	2.4	2.2	2.5	1.5	1.2	1.1	1.1	1	1	1.2	0.8	0.9	1	1.1	1.3	1.2	1.9	2	2.2	1.9	1.9	2	2	2	2	1.5	1.7			1.5

June

Arcetri/Firenze					1.5		1	1			0.5	1	0.5	1									1	1	1	1	1.5	1.5	1.5						1.1
Evershed/Ewhurst																							0.5	0.5	0.5				1	1.5	1				0.8
Kodaikanal	2	2	2	1	1	1	2	1		2	1	1	0.5		0	0	0	1	1		1			1						2	2			1.2	
Meudon/Paris		2	1	1			1	0.5	0.5	0.5	0	0.5	0		0	0	0		1		1	1	1	1	1	1	1	1	1	0.5	1.5			0.7	
Mount Wilson	2	2	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1.5	2			1.0	
Zürich (Spectroheliosc.)	2	2		1	0.5	1	1	1	1	1	0.5	1	0.5	0	0	0.5						1	1	1	1	1	1	1.5	1.5	1.5	2			1.0	
Mean	2	2	1.3	1	1	1	1.2	0.9	0.8	1.1	0.6	0.9	0.3	0.3	0	0.2	0.3	1	1	1	1	0.9	0.9	0.9	1	1	1.3	1.2	1.4	1.7				1.0	

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	1			0	0.5				0	0												0.3
Evershed/Ewhurst					0	0									0									0	0										0.0
Kodaikanal	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	1	1	0	0		0.1	
Meudon/Paris			0		0	0		0				1	0.5	0				0.5	0	0	0	0	0	0	0	0	0	1	1			0		0.3	
Mount Wilson	1	0			0	0			0	0.5						1.5	1	0	0	0	0.5	0.5	0.5	0.5	1			2					0.5		
Zürich (Spectroheliosc.)				0.5	0			0		0.5	1		0.5	0	0.5					0	0	0.5	0.5	0.5	0.5				0			0		0.3	
Mean	0.5	0	0	0.2	0	0	0	0	0	0.4	0.8	0	0.3	0	0.2	0.7	0.5	0	0	0	0	0.3	0.2	0.2	0.2	0.5	0.5	1.3	0.5	0	0			0.2	

May

Arcetri/Firenze		0	0								1	1										0	0.5												0.4
Evershed/Ewhurst		0	0.5			1					0.5	0.5	0.5	0				0	0				0												0.3
Kodaikanal	0	0	0	1	1	1	1	1	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	0.2
Meudon/Paris	0	0	0.5			1	0.5				0.5	0.5	0	0.5	0	0	0	0	0	0	0	0	0	0.5	0		0.5	0						0	0.2
Mount Wilson			1	1	1	2	1	2	0.5	0.5	0?						0	0	0	0	0	0	0.5	1	0.5	0	0.5	0	0	0	0	0	0	0	0.5
Zürich (Spectroheliosc.)	0	0	1	1	1		0.5	2	0.5	0.5	0		0.5	0	0				0	0	0	0	0	0.5	0.5	0.5	0.5	0	0	0	0	0	0	0	0.4
Mean	0	0	0.5	1	1	1.2	0.8	1.7	0.3	0.5	0.4	0.1	0.2	0	0	0	0	0	0	0	0	0	0.6	0.2	0.5	0.2	0.2	0.4	0	0	0	0	0	0	0.3

June

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

Character Figures for dark 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
1935

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				0.5			0					0.5									0.5			
Evershed/Ewhurst							1	1	1																								
Kodaikanal	3	2				2	1											2			3	2	2	2	2	4							
Meudon/Paris	1.5	1.5			1	1	1	1	1		1.5	2	1.5	1.5	1	1	1			1	1	1	1	1	1.5	2	2	1			0.5	1	
Mount Wilson	2	2	1	1	1	1	1	1	1	1	1	2	2	1	2	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1	
Zürich (Spectroheliosc.)	2	2	1	1	1	1.5	1	1	1	1	1.5	1.5	1	2	1	1	1	1	1	1	1	1.5	1.5	1.5	2.5	2	2	1	0.5	1	1	1	
Mean	2.1	1.8	1	1	1.2	1.1	1	1	0.8	1.2	1.3	1.7	1	1.7	1	0.8	1	1.5	1	1.3	1.4	1.5	1.6	2	2.5	2	2	1	0.7	0.8	1	1.3	

August

Arcetri/Firenze	0.5	0.5							0.5	2			2	1							0.5											1	1.0
Evershed/Ewhurst					0.5		0.5			1	1		1	1							0.5	0.5	0.5	0.5				1	1			0.8	
Kodaikanal		1	2	1					3		3	3	2	2			2				1	2		2	2			3	3		3	3	2.2
Meudon/Paris	1	0.5	0.5	0.5	0.5	0.5	1	1.5	1.5	1.5	1.5			1	1	0.5	1	1	1	1	0.5	1	1	1	1				1.5	2	1	1.0	
Mount Wilson	1	1	1	1	1	1	1	1	1	1	2	1	2	1	1	1	1	1	1	1	1	1	2	1	1			1		2	2	1	1.2
Zürich (Spectroheliosc.)	1	1	1	1	0.5	0.5	1.5	2	2	2	2	3				1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.5	2	1	1.3
Mean	0.9	0.8	1.2	0.8	0.6	0.7	1	1.9	1.2	1.8	1.9	2	1.3	1	1	0.8	1.2	0.9	0.9	0.8	1.1	1.1	1.3	1.2			1.7	2	1.5	2.2	1.4	1.2	

September

Arcetri/Firenze									1			1.5									0.5	1.5						1	0.5			1.0	
Evershed/Ewhurst											0.5	1	1	1	1	1							0.5								0.5		0.8
Kodaikanal	1	2	2		2							2	2	2	1	2				1	2	2	3	3		2	2	2	2			2.0	
Meudon/Paris	1	1	1			2	2	2		1	1				1	1	1			1	1	1	1	1	1	1		0.5	1			1.1	
Mount Wilson	1	2	2	2	2	2	2	2	1	1	1	1	2	2	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	2	1.4	
Zürich (Spectroheliosc.)	1	1.5					2	2.5	1	1	1	1	1	1.5	1	1	1	1	1	0.5	1	1	1	1	0.5	0.5	0.5	0.5	0.5	1	1	1.0	
Mean	1	1.6	1.7	2	2	2	2	2.2	1	1	0.9	1.1	1.5	1.6	1.3	1	1.3	1	1	1	1	1.3	2	1.6	1.5	0.8	1.1	1.1	0.9	1.1	1.5	1.4	

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									0.5				0			0															0.5		
Evershed/Ewhurst						0	0	0																									
Kodaikanal	2	1			0	0													0		0	0	0	0	0	0	0	0	0	0	0	0.4	
Meudon/Paris	1	0			0	0	0	0	0	0.5	1	0	0	0	0	0.5	0				0	0	0	0	0.5	0	0	0.5	0	0.5	0	0.2	
Mount Wilson	1		0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	
Zürich (Spectroheliosc.)	1	0.5	0	0	0	0	0	0	0.5	0.5	0	0	0	0	0.5	0	0	0	0	0	0	0	0	0.5	0.5	0.5		0.5	1	0.5	0.5	0.2	
Mean	1.2	0.5	0	0	0	0	0	0	0.7	0.7	0.3	0	0	0	0.5	0	0	0	0	0	0	0	0	0.5	0.1	0.2	0.7	1.2	1	0.7	0.7	0	

August

Arcetri/Firenze	0.5	0							0	0			0.5	0					0												0.5	0.2	
Evershed/Ewhurst					0		0			0	0			0	0					0	0	0	0							0	0	0.0	
Kodaikanal		1	0	0			0			0	0		1	1					0			0	0	0	0	0		1	1		0	0	0.3
Meudon/Paris	0.5	0	0	0	0	0	0.5	0.5	0.5	0	0.5				0	0	0	0	0	0	0	0	0	0	0	0				0	0	0	0.1
Mount Wilson	0.5	0	0	0	0	0	0	0	0.5	0	1	0.5	0		0	0	0	0	0	0	0	0	0	0	0	0		1		0	0	0	0.2
Zürich (Spectroheliosc.)	0.5				0	0	0.5	0.5	0.5	0	0.5	1				0	0				0	0	0	0	0	0		1		0	0	0.5	0.2
Mean	0.5	0.2	0	0	0	0	0.2	0.2	0.4	0	0.4	0.8	0.3	0	0	0	0	0	0	0	0	0	0	0	0	0		1	0.5	0	0	0.4	0.2

September

Arcetri/Firenze									0				0																0.5	0			0.1
Evershed/Ewhurst											0	0	0	0	0	0								0							0		0.0
Kodaikanal	1	1	1		1									0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0		0.3	
Meudon/Paris	1	1	1		0.5	0	0			0	0				0	0	0	0	0	0	0	0	0	0	0	0	0	0.5		0	0		0.2
Mount Wilson	1	2	1	2	1	1	0.5	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5	1	1	0	0	2		0.5
Zürich (Spectroheliosc.)	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	0.5	0	0	0.5	0.2
Mean	1	1.2	1	2	1	0.8	0.3	0	0.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.6	0.8	0	0	1.2		0.3

