

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

Whole Sun Disc
1933

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							0.5	0.5										
Evershed/Ewhurst					0		0	0							0	0																			
Kodaikanal	1	1	1	1	1	1	1	0			0	0	0	1	1	0	0	1	1	1	0	0	1	1	2	2	1	1	1	1					
Meudon/Paris	0.5	0.5	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5	0	0	0	0	1	1					0.5					
Mount Wilson	0	1	1	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5	0.5	0.5			0				1				
Zürich (Spectroheliosc.)	0.5	0.5		0.5	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0					0	0.5	0.5	0.5			0	0.5	0.5				
Mean	0.4	0.8	0.8	0.5	0.3	0.3	0.2	0	0	0	0	0	0	0.3	0.2	0	0	0.5	0.5	0.5	0	0.2	0.4	0.4	1	1.2	0.5	0.5	0.7	0.8			0.4		

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				0						0	0.5	1	2							2a		
Evershed/Ewhurst	0									0	0				0.5							0	0											
Kodaikanal	2	2	2	1	1	0	0	0	0	0	1	1	1	1	1	1						0	1	1	2	2	2						3	
Meudon/Paris	0.5	0.5	0.5	0	0	0	0	0	0	0	0	0	0	0	0.5	0			0.5	0	0	0.5	0.5	1	1	1		1	1	2	2			
Mount Wilson	0.5	0.5	0.5	0	0	0	0	0	0	0	0	0	0	0	1	0.5	0.5	0	0.5	0	0	0	0.5	1	1.5	1.5	2	1.5	1	2	2	2		
Zürich (Spectroheliosc.)	0.5	0.5		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5	0	0	0.5	1	2	1.5								1	
Mean	0.7	1	1.2	0.4	0.3	0	0	0	0	0.5	0	0.1	0	0.5	0.6	0.3	0.8	0.2	0.5	0	0.2	0.4	0.9	1.7	1.5	2	1.2	1.3	2	2	2	2	2	0.7

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																									
Evershed/Ewhurst	1	0.5		0.5	0	0	0	0	0															0.5										0.5	
Kodaikanal	3	2	1			1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	
Meudon/Paris	1.5	0.5	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0.5	0.5	0.5	0.5	0.5	0.5	1	1	0.5	0.5	0.5	0.5	0.5	0.5	0	0	0	0	0	
Mount Wilson	2	0.5	0			0.5	0	0	0	0	0	0	0	0	0.5	0.5	0.5	1	1	0.5	1	1	1	1	1	1	1	1	0.5	0	0	0	0	0	
Zürich (Spectroheliosc.)	1	0.5	0.5	0	0	0	0	0	0	0	0	0	0	0	0.5	0.5	0.5	1	1	0.5	1	1	0.5	0.5	0.5	0.5	0.5	0.5	0	0	0	0	0	0	
Mean	1.7	0.8	0.5	0.2	0	0.3	0	0	0	0	0.2	0	0	0	0.3	0.5	0.5	0.8	0.9	0.6	0.8	0.8	0.7	0.8	0.8	0.8	0.8	0.6	0	0.1	0	0	0	0.4	

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

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		0				0						0	0	1	1.5							0			
Evershed/Ewhurst	0									0	0					0						0	0												
Kodaikanal	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0					0	0	0	1	1	1	1	1	0	0	0	0	0	
Meudon/Paris	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0.5	0	0	0	0	0	1	1	1		1	0.5	0	0	0	0	
Mount Wilson	0	0	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5	0	0	0	0	0	0	1	1.5	1.5	2	1.5	1	0	0	0	0	
Zürich (Spectroheliosc.)	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	0.5	0.5				
Mean	0.2	0	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.2	0	0	0	0	0	1	1.3	1.2	1.7	1.2	0.5	0	0	0	0	0.3

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										0																										
Evershed/Ewhurst	0	0		0	0	0	0	0																	0.5										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	0	0	0	0	0	0	0	0	0	0	
Meudon/Paris	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	0	0	0	0	0	0	
Mount Wilson	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5	0.5	0.5	0.5	1	1	1	1.5	0	0	0	0	0	0	0	0	0	0	
Zürich (Spectroheliosc.)	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	0	0	0	0	0	0	
Mean	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.2	0.1	0.4	1	1.2	1	0.3	0	0	0	0	0	0	0	0	0	0	

a = very long filament.

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
1933

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

August

Arcetri/Firenze	0	0					0	0	0	0	0.5			0		0.5			0		0										0	0.1	
Evershed/Ewhurst			0		0	0											0										0					0	0.1
Kodaikanal												1	1		1			1	2	1		2		1	0	0	0	1	0		1	0.7	
Meudon/Paris	0	0	0	0	0	0	0	0	0	0		0	0.5	0		0		0	0.5	0.5	0.5	0.5	0.5	0.5	0	0	0	0	0	0	0.1		
Mount Wilson	0	0	0.5	0.5	0	0.5	0	0	0	0	0.5	0.5	0.5	0.5	0.5	1	0.5	1	0.5	1	0.5	1	0.5	0.5	0	0	0	0	0	0	0	0.3	
Zürich (Spectroheliosc.)	0		0	0	0.5	0	0	0	0	0	0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0	0.5	0	0	0.2		
Mean	0	0	0.2	0.2	0	0.2	0	0	0	0	0.3	0.5	0.6	0.2	0.8	0.7	0.4	1.2	0.4	0.7	0.8	0.5	0.3	0	0	0	0.4	0	0	0.3	0.2	0.3	

September

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

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

August

Arcetri/Firenze	0	0														0.5															0	0.0	
Evershed/Ewhurst			0		0	0	0																									0	0.1
Kodaikanal												0	0		1			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	
Meudon/Paris	0	0	0	0	0	0	0	0	0	0		0	0	0																	0	0.0	
Mount Wilson	0	0	0	0	0	0.5	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	
Zürich (Spectroheliosc.)	0		0	0	0.5	0	0	0	0	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	
Mean	0	0	0	0	0.2	0	0	0	0	0	0	0	0	0	1	0.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	

September

Arcetri/Firenze	0			0		0	0																									—	
Evershed/Ewhurst		0	0																													0	0.0
Kodaikanal		0	0																													0	0.0
Meudon/Paris	0	0	0	0	0	0	0																								0	0.0	
Mount Wilson	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	0	0	0.0	
Zürich (Spectroheliosc.)	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	0	0.0	
Mean	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	0	0	0.0	

Errata

B. No. 22 Ca-Flocculi C. Z. May 1, Coimbra for figure 0.5 read blank
 Kwasan " " 0 " 0.5
 Mt. Wilson " " blank " 0
 bright H α , Wh.D. April 9, Mt. Wilson " " 0
 dark H α , C. Z. " 21, Mt. Wilson " " 0

