

Character Figures for dark 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
1938

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			2.5	2.5	3.5	2.5	3.5													3.5	3.5											4	
Evershed/Ewhurst																																	
Kodaikanal	1	1	2		1	3	2	3	2	2	3	2	1	2	3	4	3	3	2	2	2	4	2	2	3	3	3	4	3	2	3		
Meudon/Paris	2	2	2		2.5					2.5										3	2	2		3.5		3	3.5		3				
Mount Wilson	2	2	3	3	3			2	3	2	2		2							3?	3	3	4	4	4	3	3	3		3?			
Tashkent (Sp.-heliosc.)		2	2	3		3									3																	4.5	
Zurich		2	2		2.5					2.5		1.5	2.5		2.5		3												3.5			2.4	
Mean	1.7	1.8	2.1	2.8	2.5	2.9	2.8	2.5	2.5	2.2	2.5	2.0	1.5	2.2	3.0	2.8	3.0	3.0	2.5	2.8	2.8	3.5	3.0	3.2	3.5	3.0	3.1	3.5	3.0	2.5	3.8	2.7	

February

Arcetri/Firenze	4.5			3.5	4	3.5	3.5	3.5	3.5		4							4		3.5	2		2.5	2.5	3							3.4
Evershed/Ewhurst									2		3												2				2					
Kodaikanal	3	3	2		3	2	2			5	5	5	5	3	2	1	2	2	2	3	1	1	1	1	1	2			3			2.6
Meudon/Paris	3	3.5			3	3	2.5			3.5	3.5		3						2.5	2.5	3	1.5	2	2	2		2.5				2.7	
Mount Wilson					3	3	3						3						3	2?	2	2	2	2	2						2.5	
Tashkent (Sp.-heliosc.)	4.5		3.5	4.5	3		2.5	2.5									3						2.5	2							3.1	
Zurich			3	3.5	3	3	3	3												2.5	3	2	2.5	2.5	2.5	2.5		3			2.8	
Mean	3.8	3.2	2.8	3.8	3.2	3.1	2.8	2.8	2.8	3.5	3.8	4.5	3.7	5.0	3.0	2.0	2.5	2.0	2.6	2.2	2.9	1.8	1.9	2.0	2.0	2.5	2.2	3.0			2.9	

March

Arcetri/Firenze			3.5		3.5	3.5	3.5	3.5	3.5	3.5		4.5	4	4	4	3.5	4.5		4.5											3		3.8
Evershed/Ewhurst	3			3	3			3	2		3	3	3	4			3		4	4			3	3		2					3.1	
Kodaikanal	5	5		5	3	3	5	4	4	2	2	4	3	4	3	1	2	3	3			4	2		2	1	1	2	1	1	2.9	
Meudon/Paris	3	3	3	3	3	2.5	3	3			3.5	3.5	3.5	3.5		3		4.5	4	4	4	4	3	3	2.5	2				2.5	3.2	
Mount Wilson														3		4	4	4	3				3	2	2	2					2.9	
Tashkent (Sp.-heliosc.)	3						3.5					3.5	4	3.5		3							2.5	2				2	2.5		3.1	
Zurich		3	3	3	3	3	3.5	3.5	3	2.5	3	3.5	3.5	4	3.5	3	3.5	4	4	3.5	3	3	3	3	2.5						3.2	
Mean	3.5	3.7	3.2	3.5	3.1	3.0	3.7	3.4	3.1	2.7	2.9	3.7	3.5	3.8	3.4	2.6	3.3	3.9	3.9	3.6	3.5	3.5	3.2	2.8	2.3	2.0	1.5	1.0	2.3	1.8	1.8	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	3	4	2.5	1													3	1			3							4	2.5
Evershed/Ewhurst																																
Kodaikanal	1	1	1		3	5	1	1	0	1	1	1	1	1	1	3	2	1	1	2	3	1	1	2	2	4	1	1	1	1	4	1.6
Meudon/Paris	0	1	1		2.5					0.5										1.5				1.5		1	1.5		1		1.2	
Mount Wilson	0	2	4	3	3			0	1	1	2		1			1				2?	1	2	4	3	4	1	1	1	4?		2.0	
Tashkent (Sp.-heliosc.)		1	1	3.5		3.5									2																4	2.3
Zurich		1	1		3					0.5			0.5	1		1		1											1			1.1
Mean	0.3	1.0	1.2	3.5	3.1	3.5	1.0	0.5	0.5	0.8	1.5	1.0	0.8	1.0	1.5	1.7	2.0	1.0	1.2	2.3	1.7	1.5	2.5	2.4	3.0	2.0	1.1	1.0	1.0	2.5	4.0	1.7

February

Arcetri/Firenze	4			1.5	2	3	0.5	1.5	1			2.5							2.5		2.5	0.5		1.5	0.5	0.5		0.5			1.6
Evershed/Ewhurst									0		2												1					1			
Kodaikanal	4	3	2		1		1	1			1	2	3	1	3	1	1	1	1	1	1	2	1	1	1	1	1	1			1.5
Meudon/Paris	3	2.5			1	2	0.5			1	2.5		2.5					2		1.5	1	2	0	0.5	0.5	0.5		1			1.4
Mount Wilson					3	3	1						2					2		1?	1	2		1	2	0					1.6
Tashkent (Sp.-heliosc.)	4		3.5	4	3		1	2							2								1.5	1							2.5
Zurich		2	2.5	2	2	1	1														2	2	1	1	1	0.5	1		1		1.4
Mean	3.8	2.8	2.5	2.7	2.0	2.5	0.8	1.4	0.5	1.0	1.8	2.2	2.5	1.0	3.0	1.0	1.9	1.0	1.5	1.2	1.9	1.0	0.9	1.2	0.5	0.8	1.0	0.8			1.6

March

Arcetri/Firenze			3.5		3	1	1.5	0.5	0.5	3			5	4.5	3															2.5		2.9
Evershed/Ewhurst	1			3	2			0	0			2	4	4	4								2	2			2				2.2	
Kodaikanal	1	1		5	3	2	1	0	0	1		4	4	4	4	3	2	4	2	3			1	1		1	0	1	0	1	3	2.0
Meudon/Paris	2.5	2	4	4	2.5	1	1.5	1			3	3.5	4	4		2.5		3.5	1.5	1.5	2.5	2	2	2	1	1.5				1	2.3	
Mount Wilson															2		4	4	2	2				2	2	1	1				2	2.2
Tashkent (Sp.-heliosc.)	1.5						1.5					4	4.5	3.5										3					1	2.5		2.8
Zurich		2.5	4	4	2.5	1	1.5	0.5	0.5	2	3	3.5	4	4	3	3	4	3.5	2	2	2	3	2.5	2	2							2.6
Mean	1.5	1.8	3.8	4.0	2.6	1.2	1.4	0.4	0.2	2.0	3.0	4.0	4.2	3.8	2.9	2.8	3.8	3.2	2.4	1.9	2.2	2.5	1.9	2.0	1.7	1.4	0.5	1.0	0.9	1.8	2.0	2.2

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Whole Sun Disc
1938

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				2.5	3	3.5	3.5	4							3	3	4		3	3.5														3.3
Evershed/Ewhurst			3	3			4	5		3	3	3	3		4	4	3		2															3.3
Kodaikanal		2.5	3		3	3	3.5	3.5	3	4	3.5	3.5	3	3	2.5	3	3	2	1.5	3	3	1	2	2									2.7	
Meudon/Paris	2.5	3	2.5	3	3		3.5	5	4	3.5	4	4	4			3.5	3.5	3					1.5	2	2	2	2.5	3		2.5			3.2	
Mount Wilson	2	4	4	3				5	4	3	4				3	3	4		3	3	2	2											3.2	
Tashkent (Sp.-heliosc.)				2.5	2.5	3.5	3	3.5	4.5				2.5	3	3	3	2.5	3	2.5	3.5	3	2.5	2.5		3	2.5							2.9	
Zurich										4	3.5	3.5	3.5	3	3	3	3	3	3	3	3	2.5	2.5		2.5	2.5							3.1	
Mean	2.2	3.2	3.1	2.8	2.9	3.3	3.4	4.4	4.0	3.2	3.7	3.3	3.3	3.0	3.2	3.0	3.5	3.0	2.9	2.4	2.5	1.0	2.2	2.2	2.1	2.6	3.0	2.8	2.7			2.9		

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															3	3	4																	3.4
Evershed/Ewhurst				3	4			4	3	3			4						3	3			3											2.4
Kodaikanal	2	1	2	1.5	2	3	2	3	2.5	2.5	2.5	3	2	2	2	2	2	2	2	3	3	2.5	2.5		2.5	3	3	2	2.5	2.5	3	3	2.4	
Meudon/Paris	2	2	2	3	3.5	3.5	3	3	3	3	3	3.5	3	3					3	3	3	3	3	3	2.5	2.5	2	2.5	2.5	2.5	2.5	2.5	2.8	
Mount Wilson			2	2	3	3	3	3	3	3	4	3	3	3	3	3	3		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3.0	
Tashkent (Sp.-heliosc.)		2.5	2.5		3		2.5	3	2.5	2.5	3	3.5		2.5	3.5				3	3.5	2	2.5		2.5	2.5	3	2.5	2.5	2.5	2.5	2.5	2.5	2.7	
Zurich		2.5	2.5		3	3	2.5	2.5	2.5		3	3	3	3	3	3			2.5							2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.7
Mean	2.0	2.0	2.2	2.4	3.1	3.1	2.6	3.1	2.8	2.8	3.2	3.2	2.7	2.8	2.9	3.0	2.0	2.6	3.0	2.8	2.8	2.8	3.0	2.5	2.8	2.8	2.1	3.0	3.1	3.0	2.5	2.7		

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	2.5	3		2.5	3	2.5	3	4	3.5												2	2.5		2.5	2.5	3	4						2.8	
Evershed/Ewhurst				4				4	4	4	4	4	4		4	3						3	3											3.9
Kodaikanal		2			3	3					3		4	4	3	2.5	2.5			3	3.5	3		3.5	3.5	4	4	4	4	4	4	4	3.2	
Meudon/Paris		3	3	2.5	3	2.5	3	3	3	3	3	3.5	2.5	2.5	2	1.5	1	1		2	2.5	3	3	3.5	4	4	4	4	4	4	4	4	2.8	
Mount Wilson	2	3	3	2	3	3	3	3	4	3			3	3	2	2	2			2	2	2	2	4	4	4	4	4	4	3		3.1		
Tashkent (Sp.-heliosc.)	2.5	2.5	2.5	2		2.5		2	2.5	3	4	3.5	3.5	3.5	2.5	2	2.5	2	2.5	3	3	3.5	3.5	3.5	4	4	4.5	4	4	3		3.1		
Zurich	2.5		3	3	3	3	3	3	3						2.5	2.5	1.5	2.5	3	3	3	3	3	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.0	
Mean	2.4	2.7	2.9	2.7	3.0	2.8	3.0	3.2	3.2	3.3	3.7	3.7	3.2	3.2	2.4	2.5	2.2	1.8	2.5	2.6	2.9	3.1	3.0	3.4	3.7	3.9	3.8	3.9	3.9	3.2		3.1		

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				1	1.5	3	3.5		0.5						2.5	3	4		2	2													2.3
Evershed/Ewhurst			2	1			3	4		2	2	3	2		4	4					2	2											2.6
Kodaikanal		1.5	1		1	3	3	2.5	1	1	2	2.5	3	3	3	3	3	2	1.5	2	2	1.5	2	1.5	2	1.5	1.5	1.5		1.5		2.0	
Meudon/Paris	1	1	0.5	1	1		3	2	1.5	1.5	3	3	3		3.5	3.5	3	3			0.5		0.5			1	1.5	1		1		1.8	
Mount Wilson	2	3	1	1		3	3	3	2	3	4				3	2	4		3	1	2	1										2.3	
Tashkent (Sp.-heliosc.)		1.5	1		1	1	2	2.5	1	2	1.5	1	2	2.5	3	3	2	1.5	3	1	3.5	1	2	2	2.5							2.2	
Zurich		1	1.5		2	2	1	2	1		3	3	1.5	1.5	2	2	2.5				2					2.5	2.5	1.5	2			2.4	
Mean	1.5	1.8	1.1	1.2	1.0	3.0	3.0	2.8	1.2	2.0	2.7	2.8	2.8	2.7	2.8	2.6	3.4	2.0	2.8	1.6	1.7	1.7	1.5	1.6	2.2	1.8	2.0	1.4	1.8	2.0		2.1	

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															2.5	2.5	3																	2.1
Evershed/Ewhurst				1	1			3	3	1		3									2	3		2									2.1	
Kodaikanal	2	1	1	1	1	2	1.5	3.5	3	1	2	1.5	2	2	1.5	1.5	1.5	1.5	1	2	1.5	1.5	4									3.5	3	1.9
Meudon/Paris	1	1	0.5	1	1.5	2	1.5	2.5	1	1	3	2	1.5						1	1.5	1.5	2	1.5	0.5		2	2	2	1	1	1	2	1.5	1.4
Mount Wilson			1	1	2	3	3	3	1	2	4	2	2	2	3				3	3	3	4	1										2.4	
Tashkent (Sp.-heliosc.)		1.5	1		1	1	2	2.5	1	2	1.5	1	2	1.5	1	2			1	3	2	1.5			1.5	1	2.5	1	2.5	2.5	3	1	1.7	
Zurich		1	1.5		2	2	1	2	1		3	3	1.5	1.5	2	2	2.5				2					1.5	1	1.5	1			1.5	1.7	
Mean	1.5	1.1	1.0	1.0	1.4	2.2	1.6	2.7	1.9	1.2	2.8	1.9	1.8	1.8	2.2	2.3	1.5	1.5	2.3	2.0	2.2	4.0	1.5	1.7	1.5	1.8	1.2	2.2	2.1	2.6	1.6	1.9		

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	1	1.5		0.5	1.5	1.5	1.5	2.5	3.5																								1.5	
Evershed/Ewhurst				2				3	3	3		4	2	2																				2.4
Kodaikanal		1.5			2	3.5					4		3	3.5	2.5	2					1.5	2	2	3	3	3	3	1	1	1.5		2.4		
Meudon/Paris		1	1	1	1.5	1	1	1.5	2.5	3		4	2	3	1.5	1	0.5			0.5	0.5	1	1.5	3	2.5	1	0	0	1		1.4			
Mount Wilson	2	2	3	2	2	1	2	2	4			3	3	2	2	2					2	2	2	3	3	1	1	1	2	2		2.1		
Tashkent (Sp.-heliosc.)	1	1.5	2.5	1		1.5		1.5	3	3	4	3.5	3	3.5	2.5	1.5	2.5	1.5	1	2	0.5	0.5	2	2.5	3	3	1	1	2	1.5		2.0		
Zurich	0.5		2	1.5	1.5	1	1.5	2	3.5						2	2.5	1.5	0.5	1.5	1.5	0.5	1	1.5	2.5	3	2	0.5	1	1.5	1.5		1.6		
Mean	1.1	1.5	2.1	1.3	1.7	1.6	1.5	1.9	3.2	3.0	3.7	3.8	2.5	2.9	2.4	1.8	1.8	1.4	0.8	1.3	0.9	1.3	1.7	2.6	2.8	2.0	0.7	0.8	1.6	1.7		1.9		

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
1938

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		3	2.5	3	3		3	2.5		2.5	3	2.5	3.5	2.5		3.5	3.5		4		4	4	1.5	2.5		3.5		3.2
Evershed/Ewhurst	4	4	3		3	2							2																		3.0	
Kodaikanal							2	2	1.5	1			3	2.5	2.5	2	2.5				4	3	3	4	3.5	4	4	3	2	3	3	2.8
Meudon/Paris		3			3	2	1.5	2	1.5	1			2.5	2.5		2.5	3			3	3.5	3.5	3	4	4	4	4	3	3	4	2.8	
Mount Wilson	3	3	3	3	3	2		3	2	2	2	2	2	2	2	3	3	3	3	4	4	4	4	4	4	4	4	3	3	3	2.9	
Tashkent (Sp.-heliosc.)	2.5	3	2.5	2.5	3	2.5		2	2	2	2.5	2.5	2.5					2.5				2.5	3	3	3	3	2.5	2	2	2.5	2.5	2.5
Zurich				3	3	2	2	2			1.5	2.5	3	3			3	3	3	3.5	4	3.5	3		3	3		2.5	3	3	2.8	
Mean	3.2	3.2	2.8	2.9	3.0	2.2	2.0	2.2	2.0	1.5	2.2	2.3	2.4	2.5	2.6	2.5	2.9	2.8	3.0	3.5	3.8	3.3	3.3	3.8	3.6	3.6	3.6	2.6	2.6	3.0	3.1	2.8

Observatory	August																															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	3	3.5				2	2					3		4	4.5	3.5		3	4			2.5					3.2	
Evershed/Ewhurst	4.5				3	4																								3	3.6	
Kodaikanal		1.5	1.5	1.5	2	2.5	3	3	3	2.5	1.5	1.5		2	2.5	2	2.5	2.5	2		3	3.5		4		4	3.5	3	3.5	3.5	2.6	
Meudon/Paris	4	2.5	2	2.5	3		3	2		3	2	2	2.5	2	2.5	3	3.5	4	4			3.5		5	4	4	3	3	3	3	3.0	
Mount Wilson	3	3	2	3		2	2	3	3	2	2	2	2	3	3	3	4	4	4	4	4	4	4	4	4	4	3	3	3	3	3.1	
Tashkent (Sp.-heliosc.)	2	2	2.5	2	2.5	2.5	2.5	2.5	2.5	2	2.5	2	2	1.5			2	2	2	2	2	2.5		4	3.5	3	2.5	2	2	2	2.3	
Zurich	3	2.5	2	2.5	2.5	2.5	2.5	2.5	2.5					2.5	3		3.5	3.5				3	3.5	4.5	4	4		3	3	3	3.0	
Mean	3.3	2.4	1.9	2.5	2.6	2.8	2.6	2.6	2.8	2.3	2.0	1.9	2.2	2.1	2.6	3.0	2.9	3.3	3.4	2.9	3.2	3.1	3.5	4.3	3.9	3.8	3.0	2.8	3.0	2.9	2.8	2.9

Observatory	September																															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	2.5	2.5	2.5			3		2.5	2.5		2.5	2.5				3.5	3.5	3.5				5			3.5						3.0	
Evershed/Ewhurst	3	2.5	2		2.5		3																								2.6	
Kodaikanal	4	3		2	3	3	3	2			1.5	1.5	2	2	3	4		2.5				3.5			4	4	4	4	4	3.0		
Meudon/Paris	3.5	2.5	3	3.5			3				2	2	2	3	3	3	3.5	4	4			4.5	4.5			4				3.4		
Mount Wilson	3	3	3	2	3	3	3	3	3	3	3	2	2	2	2	3	3	3	3	4	4	4	4	4	4	3	4			3.1		
Tashkent (Sp.-heliosc.)	2	2	2.5	2	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2	1.5			2	2	4	4	4.5	2.5	3.5	4	2	2	1.5	2	1.5	2	1.5	2.5	
Zurich		3			3	3	3	3			2	1.5	2.5	2.5		3	3.5	4	4	3.5	4	4	4	3.5	3	3.5	3.5	3.5			3.2	
Mean	3.0	2.7	2.5	2.4	3.0	2.9	3.0	2.7	2.8	2.7	2.0	1.9	2.1	2.5	2.8	3.1	3.5	3.6	4.0	4.0	3.8	4.0	4.1	3.2	2.9	3.2	3.2	3.2	3.0	3.4	3.0	

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				2.5		2.5	2	3	3		1.5	0.5		1.5	2	2.5	2.5	1.5		3	3		3.5			3	2	2	2		2.3	
Evershed/Ewhurst	2	2	2		1	0							1																		1.3	
Kodaikanal							2.5	2.5	2.5	0.5			1.5	1.5	2	1.5	2				4	4	4	2.5	4	1.5	2	2	2	2	2.3	
Meudon/Paris		2			1	1	1	1.5	1.5	1			1	1	1	1.5				2.5	3	3	2.5	2	2		1		2	1.5	1.7	
Mount Wilson	2	3	2	2	2	2	2	2	2	1	1	0	1	2	2	2	2	2	3	4	3	3	4	3	3	2	2	3	2	3	2.3	
Tashkent (Sp.-heliosc.)	1.5	1.5	2.5	1.5	2.5	1.5		1	2	1	1.5	1.5	1.5			2.5	2	2	2.5	2	3	3	3	2	3	3	2	1	1.5	1.5	1.8	
Zurich				2	2.5	1	1.5	1.5			1		1	2	1.5		2	2	4	2.5	3.5	3	3		2	2		1.5	2	2	2.1	
Mean	1.8	2.1	2.2	2.0	1.8	1.3	1.8	1.9	2.2	0.9	1.2	0.7	1.2	1.6	1.9	1.8	2.1	2.2	4.0	2.8	3.3	3.2	3.2	2.4	2.8	2.1	1.8	1.9	1.9	2.0	1.8	2.1

Observatory	August																															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				2.5	3	1.5				1	1.5					2		4	4.5	2		2	3			2.5					2.5	
Evershed/Ewhurst	2				1	2																									1.8	
Kodaikanal		1.5	1.5	2	2	2	2	2	1.5	1.5	1.5	1.5		1.5	2		2	4	3	2		3	3.5			4	4	2	2	3	2.5	2.3
Meudon/Paris	2	1	0.5	1	1.5		1	0.5		1	2	2	1	1.5	1.5	2.5	3	3.5	3		2		3	3.5		4	2	2	2.5	2.5	1.5	1.9
Mount Wilson	3	2	1	2		2	2	1	2	2	3	2	2	3	2	3	3	3	4	3	3	4	3	4	3	4	2	2	1	2	2	2.5
Tashkent (Sp.-heliosc.)	1	1	1	3	1	2	1	2	0.5	0.5	2.5	2	6.5	0		2.5	2	2	2.5	2	3	3	3	3	2	3	2	1	1.5	1.5	1.8	
Zurich	1	1	1	2	1	2	1	2	1	1.5			1	2	1.5	3							3.5	3.5	4	2.5	3		0.5			2.1
Mean	1.8	1.4	1.0	2.1	1.6	1.9	1.4	1.4	1.2	1.2	2.1	1.9	1.2	1.5	1.8	2.6	2.6	3.2	3.2	2.4	2.3	3.4	3.0	3.6	2.7	2.5	2.7	1.8	1.2	2.4	2.3	2.1

Observatory	September																															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	1.5	0.5	0.5			2.5		2.5		2		1.5	1.5			1.5	3	3.5				3.5				0.5					1.9	
Evershed/Ewhurst	2	1	0		1		2																								1.2	
Kodaikanal	2	2		1.5	2	1.5	1.5	1.5			4	2.5	1.5	1.5	1.5	1.5		4.5			2				2	2.5	3.5	2.5	2.5		2.2	
Meudon/Paris	1.5		0	0.5	1		3				1.5	2	2	2	2	4	4	4.5		5		5	2			2	3.5		2		2.3	
Mount Wilson	2	1	1	0	1	2	3	3	3	4	3	1	2	2	2	2	4	4	5		4	3	3	2	0	2			2		2.2	
Tashkent (Sp.-heliosc.)	1.5	1	1	0.5	1	1	2	2.5	2.5	2.5	2.5	1	1		1.5	1.5		4.5	5	5	3	1.5	3	1	1	0.5	1	1.5	2	2	1.9	
Zurich		0.5			2.5	2	3				2.5	1	2	2		2	2.5	4	4.5	4.5	4.5	3	2.5	2	0.5	1	3	3			2.5	
Mean	1.8	1.0	0.5	0.6	1.2	1.9	2.1	2.6	2.8	2.8	2.7	1.4	1.7	1.8	1.5	1.8	3.2	4.1	4.8	4.8	4.1	2.6	2.6	1.7	0.5	1.4	2.2	2.9	2.2	2.1	2.2	

Character Figures for dark H α -Focculi.

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

Whole Sun Disc
1938

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						3.5	2.5		3			2.5	2.5	3.5		3.5	3	4				4	4		4													3.3
Evershed/Ewhurst			3			4		3				3.5	3		4	3			4	3	3.5		4	4	4					4								3.6
Kodaikanal	3.5	3.5	3.5		2.5	3		2.5	3			3	2	2.5	3	4	4				4	3.5	3	4	4												3.3	
Meudon/Paris			3	3	2.5	2.5		2.5				3	3.5		3.5	3.5	3.5	3.5	3		3	3.5	4	4	4	4	4.5	4					3.5				3.4	
Mount Wilson	3	3	3	3	3			3		4	3	3			3	3	3	3	3	3	3	3	4	4			4	4	4	4	4	4	4	4	4	4	3.4	
Simeis (Sp.-heliosc.)	3.5	2.5	1.5	3.5	3.5	3.5		2	4.5			4.5	3.5	4.5	4.5	3.5	3.5	3.5	3				4					4					4.5	3.5	4.5	4.5	3.6	
Tashkent			2.5	2	3	3	3	2	3			4	3.5	4	4	4	4	4	3		3.5	4	3.5	4			4	5	4	3.5	4					3.5		
Zurich		3			3	3	3	2.5	3	3.5			3.5	3.5	4	4	3.5	4	3	3	3	3	3.5	3.5	4		4								3.5		3.4	
Mean	3.3	3.0	2.8	2.9	2.9	3.2	2.8	2.5	3.3	3.8	3.2	3.2	3.4	3.8	3.8	3.6	3.7	3.1	3.4	3.2	3.6	3.9	4.0	4.0	4.0	4.0	4.4	4.0	4.0	3.9	4.0	4.0	4.0	4.0	4.0	3.5		

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	4		4								3.5		3	3	3	2.5	2		2.5			2		2.5		3.5	3.5										3.0
Evershed/Ewhurst		3.5			3										3				3			3		2				3									2.9
Kodaikanal						2.5		2.5	3	4	3	3		2.5	2	3			3	3	2.5	3	3	4	3	3	3	2.5	3	3						2.9	
Meudon/Paris		4	4									3	3	3					2			2.5		3												3.1	
Mount Wilson		4	4	4	3	3	3	3	3			4	4	3	3	3	3	3	3	3	3	2	3	3	3	3	3	3	4	3		4				3.2	
Simeis (Sp.-heliosc.)	4				3.5			3			3.5	4.5		3.5	3						2.5						2	2	3	2						3.0	
Tashkent		5	4	4	3.5	3.5	3.5			4	3.5			3					3.5				3				3	3	2	3						3.4	
Zurich		3.5	4			3	3	2.5		2.5	3		3.5	3	3	2.5				3			2.5			3	3	3									3.0
Mean	4.1	3.8	4.0	3.8	3.2	3.0	3.2	2.8	3.0	3.5	3.5	3.2	3.2	2.9	2.7	2.6	3.0	2.8	2.8	2.7	2.5	2.9	2.7	2.8	3.1	2.9	3.2	2.6	3.0	3.5					3.1		

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			1.5		3		4.5									4.5										3		2			2.5	3				2.9
Evershed/Ewhurst	4	3	2						4			3															2				2.5	2.5				3.0
Kodaikanal	3	3	3.5	2.5	2.5	2.5			2.5	2	2	2.5	2					2.5	4	3.5	3.5		4	3	1.5				1.5	2	2				2.6	
Meudon/Paris	4	4	3	2.5		3.5			3		2.5		3						4	4	4		4.5		3						1.5	2				3.2
Mount Wilson	3	3	3	3	3	4	3	3				3							3						3	3	2	3	2	2		3	2			2.8
Simeis (Sp.-heliosc.)			1.5	1								2	2.5		2																					1.8
Tashkent			2.5	2																																2.2
Zurich		3.5		2			3					2.5	3										4			2.5	2									2.9
Mean	3.5	3.1	2.4	2.2	2.8	3.3	3.5	3.0	3.2	2.0	2.2	2.7	2.5	2.5	4.5		3.2	4.0	3.8	3.5	4.5	4.0	3.0	2.5	2.2	2.3	2.0	1.8	2.2	2.4	2.2	2.2	2.2	2.2	2.9	

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						3.5	1		0.5		1.5	4	3.5		3	2.5	3					1	2		1.5											2.3
Evershed/Ewhurst			1			3		1			2	3		3	2		3			2	1	1		3	2	2				2						2.1
Kodaikanal	2	0.5	1.5		2.5	2.5		1	2.5		2	2.5	4	4	4	4					2.5	1	1.5	2.5		2									2.4	
Meudon/Paris			1	1	2.5	1.5		0			1	5		3.5	3	3	2.5	1.5			1.5	1	2	3.5	2.5	1	1.5	3			3				2.2	
Mount Wilson	1	1	1	2	2			0		2	2	4						2	2	2	2	2	2	1	2	2	1	2	2	2	3	4			1.9	
Simeis (Sp.-heliosc.)	0.5	2	0	2	2.5	3		0.5	1			3	4	4.5	2.5	2	2	2	0.5									2.5	2.5	2	1	2.5				2.0
Tashkent			1.5	0	2.5	2.5	3	0	0		1.5	3	4.5	4	4	3.5	3.5	3			1.5	2	3	4.5		2	2	2.5	1	2.5					2.4	
Zurich			1			3	2.5	2.5	0.5	0.5	2		5	4.5	4	3.5	3.5	2.5	2	0.5	1	2	2	3.5		1							3		2.4	
Mean	1.2	1.1	1.0	1.2	2.5	2.6	2.2	0.4	0.9	2.0	1.7	3.7	4.1	3.8	3.1	3.1	2.6	2.1	1.5	1.2	1.5	2.2	3.6	2.0	1.4	2.0	2.5	1.8	2.4	2.7	2.8	2.7	2.8	2.2	2.2	

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	3.5		2								2		2.5	2	1	0.5	1.5		1.5			2		1		0.5	1									1.6	
Evershed/Ewhurst		3			2										0						1		3		1				1							1.6	
Kodaikanal						2.5		4	2	4	4	3		1.5	1.5	1.5				1	2	2.5	2.5	3	3.5	1	1.5	2.5	2	1.5	2.5				2.4		
Meudon/Paris		1	1.5									3	2.5	1						0.5			3		1											1.7	
Mount Wilson		2	2	2	2	3	3	3	2			4	3	2	1	2	2	3	2	1	2	3	4	3	2	1	2	2	2		3				2.3		
Simeis (Sp.-heliosc.)	3				2			1		1.5	2.5									1					0.5	0.5	1	0.5								1.4	
Tashkent			1.5	2	2.5	3.5	3.5			3.5	3.5			2					1.5				2			1	1.5	1.5	2							2.4	
Zurich		2.5	1.5			2.5	2.5	2		2	3			2	1	0.5	2					1				0.5	1.5	2	2.5								1.8
Mean	3.0	2.0	1.7	2.0	2.1	2.9	3.0	2.5	2.0	2.6	3.3	2.8	1.8	1.3	0.9	1.8	3.0	1.8	1.0	1.7	2.5	3.1	1.8	1.6	0.8	1.2	1.8	2.0	1.8	2.8	2.8	2.8	2.8	2.2	2.1		

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		1.5		3.5								2.5											1.5										1.6
Evershed/Ewhurst	2	1	1							2			1														1									1.3
Kodaikanal	4	2	1	1.5	2	2.5			4	1.5	1	1																								