

Character Figures for bright 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 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 ^{o)}																																	
Evershed/Ewhurst																3				3	3						2	2					
Kodaikanal	2	3	2	2	2	2	2		1 ^{o)}	4	2	2	2	2	2	3	2	2	2	1	3	3	2	3			3	3					
Meudon/Paris	3											3	3			3				4	4				4	3		3					
Mount Wilson	4				3			3	4	4	4	3	3	3*										3	3	3			3	3	3		
Mean	3	3	2	2	2.5	2	2	3	2.5	4	3	2.7	2.7	2.5	2	3	2	2	3	2.7	3	3	2	3.3	3	2.7	2.7	3	3	3	3		

February

Arcetri/Firenze ^{o)}																																
Evershed/Ewhurst				2													2	2	2			2										
Kodaikanal	1			1	1	1	2	2	2	2	3	3	2	4	2	2	3	2	2	1	1	2	2	1	2	2	2	2				
Meudon/Paris			2	2	2				3	3	3	3	3	4	3	3	3		2	2	2	3	2						3			
Mount Wilson					2					3	3	2	4	3	4	3	4		3	3*	3	3	3	3				3	3			
Mean	1		2	1.7	1.7	1	2	2.5	2.7	2.5	2.7	3.3	2.7	4	2.7	3	2.7	2	2.2	2	2	2.5	2.3	2	2	2	2.5	2.7				

March

Arcetri/Firenze			2			3	3	3				4	4		3	2			1.5	1				1.5					1.5		
Evershed/Ewhurst	0	2	2		3			2	3	3	3				1	1	1	1					2				1		1	2	
Kodaikanal	4	2	2	2	1	1	2	4	2	4	3	4	4	4	3	3	3	1	1	0	0	1	1	2	2	1	1	1	1	1	1
Meudon/Paris	2	2	3		3		4	4	4	4	4			3	3	3	3	2	2			2	2	2	2	2	2	2	2	2	2
Mount Wilson	3		1*	3	3		3	3		4	1*	3	4	3	3	2	2	1						3	3	3*	3*	3*	3*	2*	2.9
Mean	2.2	2	2.4	2.5	2.5	2	3	3.2	3	3.7	3.5	4	3.7	3.7	3	2.4	2.2	1.7	1.5	1	0	1	1.5	2	2.1	2	1.7	2	1.7	2	1.7

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 ^{o)}																																
Evershed/Ewhurst																1										1	2					
Kodaikanal	2	3	2	0	0	0	1		1 ^{o)}	1	1	2	1	2	1	2	1	1	1	1	0	2	2	2			3	2	3			
Meudon/Paris	4											2	2			3				2	3			2	3		3					
Mount Wilson	4				3			4	3	3	3	2	3	3						2	3	3	4	3	3		3	2	2			
Mean	3.3	3	2	0	1.5	0	1	4	2	2	2	2	2	2.5	1	2	1	1	1.3	1.3	2	2	2	2	3	2.3	2.3	3	2	2		

February

Arcetri/Firenze ^{o)}																																
Evershed/Ewhurst																0	0	0				1										
Kodaikanal	1			1	1	1	1	1	1	2	2	2	3	3	2	1	1	1	1	0	1	2	1	0	1	0	1	2				
Meudon/Paris			1	2	2			2	3		4	4	3	4	3	1	1		0	1	1	3	2						4			
Mount Wilson					2				2	3	3	4	4	4	3	4				2	3	3	4	3	3			3	4			
Mean	1		1	1.7	1	1	1.5	2	2.5	3	3.3	3.3	3.7	2.7	2	0.7	0.5	0.7	1.3	1.7	2.5	2	1.5	1	0	2	3.3					

March

Arcetri/Firenze			0			2	2	2					3	3.5		1	1			1.5	1					0						
Evershed/Ewhurst	0	1	0		0			1	3	2	1				0	0	0	0		0	1			0	0		1		1	1		
Kodaikanal	4	1	0	0	0	1	1	2	3	4	3	3	3	2	2	1	1	0	0	0	0	0	1	1	0	0	0	1	2	1	1	
Meudon/Paris	3	1	1		0		3	4	5	4	4	3	2	2	2	1	0	0	2			1	0	1	1	2	3	3	2	0	1.9	
Mount Wilson	3		3	3	2		2	3		4	4	5	3	4	3	2	0	0	2	2			2	3	4	3	2	3	2	3	0	2.5
Mean	2.5	1	0.8	1.5	0.5	1.5	2	2.4	3.7	3.3	3	3.5	3.2	2.7	2	1.2	0.5	0	0.7	1.2	0	1	1	0	0.7	1.3	2	2.7	1.6	1.6	0	1.6

^{o)} Observations interrupted owing to repairs on the solar tower.

* Jan. 14 Bright H α .

* Febr. 20 Bright H α on West limb.

* March 3 Bright H α N. W. group.

* March 12 Bright H α large group.

* March 27 Bright H α large group.

* " 28 " H α " " center disc.

* " 29 " H α " "

* " 30 " H α S. W. group.

* " 31 " H α S. W. "

} same group

Character Figures for bright 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
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					3					3	3	2.5	2		2	2									0								
Evershed/Ewhurst	1																									0							
Kodaikanal	1				1	1	1		1	2	2	2	3	2	2	1	1	2	1	1	1	1	0	0	0	0			0	1			
Meudon/Paris	2					3a	2	2a	3			3		3	3	2					1	1	1	1	2			3		3			
Mount Wilson		2	2	3	3	2	2	2	2	3	3		3	3	3	2					1	1	1	1	2	2	2	2	2	3	3	3	
Mean	1.3	2	2	3	2.3	2	1.7	2	2	2.7	2.7	2.5	2.7	2.7	2.5	1.8	1.5	2	1	1	1	1	0.7	1	0.8	1	2	1.7	1	3	3	2.5	

November

Arcetri/Firenze																																	
Evershed/Ewhurst	2		3							3	3		3		2	2		2															
Kodaikanal			2		1	2		1	2	2		2	2	2	2	1	1	1	0			1			2	2	2	3	3	3	4		
Meudon/Paris				3					3			3	4	4	3	3	3	2	3						3	3	3	3	4	4	4b		
Mount Wilson	3	3	3b	3b	4b	4b	4b	4b	4	4	4	4	4	4	4	3	3	3	2	3			2	2	2	3	3	4	4	4b	5		
Mean	2.5	3	2.7	3	2.5	3	4	2.5	3	3	3.5	3.7	3	2.8	2.3	2.5	2	1.7	1.3	1.3	1.5	1.7	2	2.7	2.5	2.7	3	3.5	3.5	4		2.7	

December

Arcetri/Firenze								2		2.5	3		4	4																				
Evershed/Ewhurst						2					2					3	2	3	3						3		3							
Kodaikanal	2				2	2	1		1	1	4	3	4	4	3	4	2	3	2	5	5			3		5	5	5	5	4	3	3		
Meudon/Paris					3	3	3				2	3	4	4	4	4	3	4	3	3	3				4		5	5	5	5	5	5	3	
Mount Wilson	4	4	4b	4b	4b	3	3	3b	3b		3	3	4	4	4	4	4	4	3	3	3	3	3	3	3	3	5	5	5	5	5	3	3	
Mean	3	4	4	4	3	2.5	2.3	3	2.8	1.7	2.5	3.7	3.8	4	3.5	3.8	2.8	3	2.8	3.7	4	3	3	3.3		4.3	5	5	4.5	3	3	3.4		

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						2	3	2	2		0	0								0								
Evershed/Ewhurst	1																									0							
Kodaikanal	1				1	1	1		0	1	2	1	3	3	1	0	0	0	0	1	0	0	0	0	0			0	1			1	
Meudon/Paris	2					3	1	1	1	1		3		3	0	0				1	0	1	1	1	1	1			3		3		
Mount Wilson		2	2	2	3	3	2	1	1	3	3		3	3	1	0	1	1		1	1	1	1	1	2	2	2	2	3	3	3	3	
Mean	1.3	2	2	2	2.3	2.3	1.3	1	0.7	2	2.7	2	2.7	3	0.5	0	0.5	0.5	0	1	0.3	0.7	0.5	0.5	0.8	2	1.7	1	3	3	2		

November

Arcetri/Firenze																																	
Evershed/Ewhurst	1		1						2	2		1		2	2					1		1	1	0				1					
Kodaikanal			2		1	0		1	1	1		1	3	3	3	1	1	0	0								0	1	1	2	3	4	
Meudon/Paris				3					2	2		3	2	3					2	1	0	1	1		1		2	2	2	2	3	4	
Mount Wilson	3	3	3b	4b	3b	2	3	3	4	4	3	3	4	4	5	4	2	1	1	2		2	2	2	2	3	3	4	4	4	4c		
Mean	2	3	2	3.5	2	1	2.5	2	2.5	2.3	3	2	2.5	3	3.3	3.5	1.8	1	0.3	1	1	1.3	2	1	1.5	2	2	3	3.5	3.3		2.2	

December

Arcetri/Firenze							0.5		1		2		3	4																			
Evershed/Ewhurst						1				1	2					4	4	3	1						1		3						
Kodaikanal	2				1	0	0		0	1	3	2	3	3	4	4	4	4	1	2	2			1		4	5	5	4	3	0		
Meudon/Paris					1	1	1		2	3	4	4	4	4	4	4	4	4	2	2					2		4						
Mount Wilson	4	4c	3	3	3	3	3	2	1		3	4	4	3	4	4	3	4	3	2	3	2	3	3	3	4	5	5	4	3	2		
Mean	3	4	3	3	2	1.3	1.1	2	1	1	2.3	3.7	3.3	3.3	3.5	4	3.6	3.3	1.5	2.3	2	3	2	2		3.8	5	5	4	3	1.3	2.8	

a = Eruptions d'hydrogène (H α)

b = Small areas of very bright H α
c = Bright H α eruption

Dates	Eclat	Coordonnées	
		ϕ	L
Octobre 6	1	+12°	+24°
" 8	1	+12°	+51°