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 ad intensity of the flocculi. As central zone a circular surface of a semidiameter of the sun's disc has been taken.

Whole Sun Disc

1927

Observatory	January 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	Mean
Arcetri/Firenze . .																																
Evershed/Ewhurst .																2			2	2												2.0
Kodaikanal . . .	2	2	3	2	2			3	2	3	3	3	3		1	2	3	4	4	3	2	1	1	2	2		0	1	2	1	2	2.2
Meudon/Paris . .	2			3					3				3			3				2*	2			2	2	2	2	2				2.3
Mount Wilson . .	2	3	3	3	3							4	3		3		2						3	3	2			2	3	3	4	2.9
Mean .	2	2.5	3	2.7	2.5			3	2.5	3	3	3.5	3		2	2.3	2.5	4	3	2.3	2	1	2	2.3	2	2	1	1.7	2.5	2	3	2.4

February

Observatory	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	Mean
Arcetri/Firenze . .																																
Evershed/Ewhurst .	3	3				2				2																						2.5
Kodaikanal . . .	2	3	4	4	4	4	4	4	4	3	2	3	2	2	2	2	2	2	3	1	2	2	1	2	2		2	2				2.6
Meudon/Paris . .	2.5		3					4	4	4	3	3	3	2.5					2		2	2					2	2				2.8
Mount Wilson . .	4	4				5[a]	5	4		4		3							2	3	3	3	3	3	3	4	3	3				3.5
Mean .	2.9	3.3	3.5	4	4	3.7	4.5	4	4	3.2	2.5	3	2.5	2.2	2	2	2	2	2.3	2	2.3	2.3	2	2.5	2.5	4	2.3	2.3				2.8

March

Observatory	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	Mean
Arcetri/Firenze . .																																
Evershed/Ewhurst .																																
Kodaikanal . . .	1	1			1	1			1	1	1	1	0	1	2	2	2	4	4	4	4	2	4	3	2	2	0	0		0	0	1.7
Meudon/Paris . .								1			1.5				2.5	2.5	2.5	3		3	3			1.5		1	0	0		0		1.6
Mount Wilson . .						2.5	3	3			2	2	2	2			4		5	5	4	4	3	3	2	2		1				2.9
Mean .	1	1			1	1.8	3	2	1	1	1.5	1.5	1	1.5	2.2	2.2	2.8	3.5	4.5	4	3.7	3	3.5	2.5	2	1.7	0	0.3		0	0	1.9

Central Zone

Observatory	January 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	Mean
Arcetri/Firenze . .																																
Evershed/Ewhurst .																0			2	2												1.3
Kodaikanal . . .	1	2	4	2	0			2	2	4	3	2	2		0	0	0	1	2	2	0	1	1	1	0		0	1	1	1	1	1.3
Meudon/Paris . .	2.5			2					3				1			0				2	1			0	0	1	1	2				1.3
Mount Wilson . .	2	3	3	2	1							3	1		0		1						2	1	0			2	3	2	3	1.8
Mean .	1.8	2.5	3.5	2	0.5			2	2.5	4	3	2.5	1.3		0	0	0.5	1	2	2	0.5	1	1.5	0.7	0	1	0.5	1.7	2	1.5	2	1.6

February

Observatory	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	Mean
Arcetri/Firenze . .																																
Evershed/Ewhurst .	2	2				1				1																						1.5
Kodaikanal . . .	1	2	4	4	3	4	2	2	4	2	1	0	0	0	0	1	0	1	1	0	0	0	1	1	1		1	1				1.4
Meudon/Paris . .	2		3					4	4	3	2	1	0	1					2		2	2					1.5	1				2.0
Mount Wilson . .	3	3				5[a]	4	4		3		1							2	2	2	3	3	3	3	3	3	2				2.9
Mean .	2	2.3	3.5	4	3	3.3	3	3.3	4	2.2	1.5	0.7	0	0.5	0	1	0	1	1.7	1	1.3	1.7	2	2	2	3	1.8	1.3				1.9

March

Observatory	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	Mean
Arcetri/Firenze . .																		2	1.5	1.5										2		—
Evershed/Ewhurst .																																
Kodaikanal . . .	0	1			1	0			1	1	0	1	0	0	0	0	1	1	2	2	2	2	2	1	0	0	0	0		0	0	0.7
Meudon/Paris . .								1.5			0.5				0	1	1	2.5		2	3			0.5		0.5	0	0		0		1.0
Mount Wilson . .						2	3	2			1	2	2	1			3		4	4	4	4	3	2	2	2		1				2.5
Mean .	0	1			1	1	3	1.8	1	1	0.5	1.5	1	0.5	0	0.5	1.7	1.8	2.5	2.4	3	3	2.5	1.2	1	0.8	0	0.3		0.7	0	1.2

* Eruption brillante d'hydrogène

Jour	Heure	Eclat	Coordonnées φ	Coordonnées L
Janvier 20	11 h 18	4	+22°	+19°

a = Small areas very bright $H\alpha$ and K_2 south central group.

Character Figures for bright H_α-Flocculi.

Whole Sun Disc

1927

Observatory	April 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	Mean
Arcetri/Firenze . .																																
Evershed/Ewhurst .		2						2				2											1									1.8
Kodaikanal . . .	1	2	2	3	2	2	2	2	2	3	3	2	4	4		3		4	2	3	4	3	2	1								2.5
Meudon/Paris . .		2				2		3	3	3		3	3			3	3	3	3**	3	3	2		1.5		2			2			2.6
Mount Wilson . .		3		3	2	2	3						3	3	4	5		3	3	4	3	2	2	2	2	2	2	2	2	2		2.7
Mean .	1	2.2	2	3	2	2	2.5	2.3	2.5	3	3	2.3	3.3	3.5	4	3.7	3	3.3	2.7	3.3	3.3	2.3	1.7	1.5	2	2	2	2	2	2		2.5

May

	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	Mean
Arcetri/Firenze . .																																
Evershed/Ewhurst .																												0	1	1		—
Kodaikanal . . .	1	2	2			3	2	1	1	2	2	2	2	2	2	1	0	0	1	1	1	1	1	2	3	2	2	3	3	1		1.6
Meudon/Paris . .	2	2	2	2		2	2			2	2	1.5*		1	2	2	2	1.5	1.5	2	2		2.5	3	2	2.5	2		2	2	1.5	2.0
Mount Wilson . .			2	2.5	3				3	3	3	3	4	3	2.5	3	2	2	2		2.5	2.5	2.5	3	3	3	3	3.5	4	3	2	2.8
Mean .	1.5	2	2	2.2	3	2.5	2	1	2	2.3	2.3	2.2	3	2	2.2	2	1.3	1.2	1 5	1.5	1.8	1.8	2	2.7	2.7	2.5	2.3	2.2	2.5	1.8	1.8	2.1

June

	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	Mean
Arcetri/Firenze . .																																
Evershed/Ewhurst .		1																														—
Kodaikanal . . .					1	2	3	2	2	2		2						1	1	1	1	2	1	2	1	1	1	1	1			1.5
Meudon/Paris . .	1		2*	2	2	1.5		2	2	2	2		2	1.5		0	0.5	0.5	0	0	0.5	1	2		2*		2		3			1.4
Mount Wilson . .	2	2		2	2		3	3		3	3	2	2	2	2			1	1	1	1	2		3		3	3	3	3	3		2.3
Mean .	1.5	1.5	2	2	1.7	1.8	3	2.3	2	2.3	2.5	2	2	1.8	2	0	0.5	0.8	0.7	0.7	0.8	1.7	1.5	2.5	1.5	2	2	2	2.3	3		1.7

Central Zone

Observatory	April 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	Mean
Arcetri/Firenze . .													2.5	2.5																		—
Evershed/Ewhurst .		0						1				2											0									0.8
Kodaikanal . . .	0	1	0	0	1	3	2	2	1	0	1	1	2	2		2		4	2	0	0	0	0	0								1.1
Meudon/Paris . .		1.5				2		2	1.5	1.5		2.5	2.5			2.5	2	2.5	2	0	0	0.5		1		2			2			1.6
Mount Wilson . .		2		2	3	3	3						3	4	3	3		3	2	1	2	2	2	2	2	2	2	2	3	2		2.4
Mean .	0	1.1	0	1	2	2.7	2.5	1.7	1.2	0.8	1	1.8	2.5	2.8	3	2.5	2	3.2	2	0.3	0.7	0.8	0.7	1	2	2	2	2	2.5	2		1.7

May

	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	Mean
Arcetri/Firenze . .												1.5							0.5													—
Evershed/Ewhurst .																														1		—
Kodaikanal . . .	0	2	2			1	2	1	1	1	1	1	2	1	1	0	0	0	0	1	0	0	1	0	0	0	1	2	3	1		0.9
Meudon/Paris . .	1.5	2	2.5	0		1	1			1	2	1.5		0.5	2	2	0.5	1	1	2	1.5		1.5	1	1	1.5	1.5		3	1.5	1.5	1.4
Mount Wilson . .			2.5	1	1				3	3	3	3	3	3	2	2	1	1	2 5		2	2.5	2	2	2 5	2	3.5	4	3.5	3	2	2.4
Mean .	0.8	2	2.3	0.5	1	1	1.5	1	2	1.7	2	1.8	2.5	1.5	1.7	1.3	0.5	0.7	1	1.5	1.2	1.2	1.5	1	1.2	1.2	2	3	3.2	1.6	1.8	1.5

June

	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	Mean
Arcetri/Firenze . .								3												0.5	1	1	2						1.5			1.5
Evershed/Ewhurst .		0																														—
Kodaikanal . . .					0	2	3	3	2	2		1						0	1	0	1	1	2	2	1	1	1	1	1			1.3
Meudon/Paris . .	1		0	1	0.5	1		2.5	2.5	1	0.5		1	1		0	0.5	0	0	0	1	1.5	2		2		2		3			1.1
Mount Wilson . .	2	1		2	2		3	3		2	2	2	2	2	2			2	1	2	2	2		2		3	2	2	2	3		2.1
Mean .	1.5	0.5	0	1.5	0.8	1.5	3	2.9	2.2	1.7	1.2	1.5	1.5	1.5	2	0	0.5	0.7	0.7	0.6	1.2	1.4	2	2	1.5	2	1.7	1.5	1.9	3		1.5

* Eruptions brillantes d'hydrogènes H α

Jours	Heure	Eclat	Coordonnées φ	L
Avril 19	14 h 11	1	-17^0	$+44^0$
Mai 12	7 h 23	1	-12^0	-32^0
Juin 3	15 h 19	3	-22^0	$+35^0$
„ 25	16 h 22	2	-7^0	-75^0

Character Figures for bright H_α-Flocculi.

Whole Sun Disc

1927

Observatory	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	Mean
July																																
Arcetri/Firenze . .																																
Evershed/Ewhurst .																																
Kodaikanal . . .										1	1			1	1	1		1			1						1	1	1	1		1.0
Meudon/Paris . .			2	2.5	2.5	2.5	2			2	1			0				0.5	0.5				1.5	2		2		2	1.5	1.5		1.6
Mount Wilson . .	2	2 5	3	3	2.5	3	2.5	2[a]	2.5	2	1	1	1	1	1	1	1.5	1	1		2	2	2	2	2	3	3	3	3	3	3	2.1
Mean .	1	2.5	2.5	2.8	2.5	2.8	2.2	2	2.5	1.7	1	1	1	0.7	1	1	1.5	0.8	0.8		1.5	2	1.8	2	2	2.5	2	2	1.8	1.8	3	1.8
August																																
Arcetri/Firenze . .																																
Evershed/Ewhurst .				1													2		2				2			2		1			2	1.7
Kodaikanal . . .	1	1	1	1	1		1	1	0	1				1	1		2	2	2		1	1	1		1	1		1	1	1	1	1.1
Meudon/Paris . .		1.5	2	2	2.5		1.5	1.5		1.5	1	1	1.5		2		2	2	2[a]			2*		2	2	2	2	2	2	2	2	1.8
Mount Wilson . .	2.5	2	2.5	3	2	2	2	1	1	1	1	1	1.5	2	2	2	2	2	2	2	2	2	2	3	3	3[b]	2.5		2	2	2	2.0
Mean .	1.8	1.5	1.8	1.8	1.8	2	1.5	1.2	0.5	1.2	1	1	1.5	1.5	1.7	2	2	2	2	2	1.5	1.7	1.7	2.5	2	2	2.2	1.3	1.7	1.7	1.8	1.7
September																																
Arcetri/Firenze . .																																
Evershed/Ewhurst .		2					2				2	2												1	2	1		1				1.6
Kodaikanal . . .	1	1	1	1	1	1	1	1	2	1	2	2	2	1	3	2	1		2	2	1			1			1			1		1.4
Meudon/Paris . .						2		2			2	2									2	2	2.5	2.5	2	2	2			1.5		2.0
Mount Wilson . .	2	2.5		2.5	2	2.5		2.5		3	3	2.5			3		4	4	3	3	2.5	2	3	3	3	3	2	2	2	2[a]		2.7
Mean .	1.5	1.8	1	1.8	1.5	1.8	1.5	1.8	2	2	2.2	2.1	2	1	3	2	2.5	4	2.5	2.5	1.8	2	2.8	1.9	2.3	2	1.7	1.5	2	1.5		2.0

Central Zone

Observatory	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	Mean
July																																
Arcetri/Firenze . .				2	2	2	1							0.5						1	0.5	0.5				1	1.5					1.2
Evershed/Ewhurst .																																
Kodaikanal . . .										0	0			0	0	0		2			0						2	1	1	0		0.6
Meudon/Paris . .			1	2	2	2	2			1.5	0.5			0				1	1				1	1.5		3		2.5	1.5	0.5		1.4
Mount Wilson . .	3	2	2	3	3	3	2	1	2	1	2	1	1	0	1	1	1	2	1		1	1	2	1	1	3.5	3.5	3.5	3	1	2.5	1.8
Mean .	3	2	1.5	2.3	2.3	2.3	1.7	1	2	0.8	0.8	1	1	0.1	0.5	0.5	1	1.7	1	1	0.5	0.8	1.5	1.2	1	2.5	2.3	2.3	1.8	0.5	2.5	1.4
August																																
Arcetri/Firenze . .	0	0.5				1																						1.5	1			—
Evershed/Ewhurst .				1													0		0				1			0		1			0	0.4
Kodaikanal . . .	1	1	0	1	0		0	0	0	0				2	2		0	0	1		1	1	1		1	0		1	1	0	0	0.6
Meudon/Paris . .		1	1	1.5	2		1	0		0	0	0	1		1.5		0.5	1.5	1			2.5		1	2	1	0.5	1.5	1	0	0	0.9
Mount Wilson . .	2.5	3	2.5	3[b]	2	2	1	0	0	0.5	0.5	1	2	2.5	2.5	2	1	2	2	1	2	2.5	2	3	3	2	2		2	1	0	1.8
Mean .	1.2	1.4	1.2	1.6	1.3	1.5	0.7	0	0	0.2	0.2	0.5	1.5	2.2	2	2	0.4	1.2	1	1	1.5	2	1.3	2	2	0.8	1.2	1.2	1.2	0.3	0	1.1
September																																
Arcetri/Firenze . .		1	1																									1.5				—
Evershed/Ewhurst .		1					0				1	0												0	1	0		1				0.5
Kodaikanal . . .	0	1	0	1	1	0	0	0	2	2	2	1	2	1	2	0	1		1	1	1			1			0			0		0.9
Meudon/Paris . .						1		1			2	1									2	2	1.5	1.5	1	1	1			1		1.3
Mount Wilson . .	2	2		2	1	1		2		3	3[d]	2			3		2.5	4	3	2.5	3	2	2	3	3	2	1	2	2	1.5		2.3
Mean .	1	1.2	0.5	1.5	1	0.7	0	1	2	2.5	2	1	2	1	2.5	0	1.8	4	2	1.8	2	2	1.8	1.4	1.7	1	0.7	1.5	2	0.8		1.5

* Eruptions brillantes d'hydrogènes H α

Jours	Heure	Eclat	Coordonnées φ	Coordonnées L
Août 19	14 h 53	3	-10^0	$+75^0$
„ 22	9 h 39	2	$+11^0$	$+20^0$

a = Small area very bright H α northwest group.
b = Very bright H α southwest group.
c = Small areas very bright K_2 and H α southwest spot.
d = Small area very bright H α southeast groups.

Character Figures for bright H_α-Flocculi.

Whole Sun Disc

1927

Observatory	October 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	Mean
Arcetri/Firenze . .																																
Evershed/Ewhurst .							1											1														—
Kodaikanal . . .		1	1	1	0	1	2	2	2	2	3	3	3	2	1	1	1	1		1		2	2	1		1	1		1	1	1	1.5
Meudon/Paris . .		1	1	2	2*	2	2		2.5	2.5	2.5	2.5			2		1.5		1.5	1	2			2		2		2	1.5			1.9
Mount Wilson . .	2		2	2	2	3	3	3	3.5	3.5	3.5	4	4[a]		3	2	2[b]	2	2	2	2	2.5	3						1			2.6
Mean .	2	1	1.3	1.7	1.3	2	2	2.5	2.7	2.7	3	3.2	3.5	2	2	1.5	1.5	1.3	1.8	1.3	2	2.2	2.5	1.5		1.5	1	2	1.2	1	1	1.9

Observatory	November 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	Mean
Arcetri/Firenze . .																																
Evershed/Ewhurst .																																
Kodaikanal . . .	2	1	1						1	1	1	2	2	2	3	3	3	3	3		2	1	1	1	1	1	1	1	2			1.7
Meudon/Paris . .		2	2				2			2	2	2	2.5			3		2.5														2.2
Mount Wilson . .	2	2	3	2.5			2.5	2		2	2.5	2.5		3	3	4	4	3	3			2	2.5	2.5	2.5			2	1.5	2		2.5
Mean .	2	1.7	2	2.5			2.2	2	1	1.7	1.8	2.2	2.2	2.5	3	3.3	3.5	2.8	3		2	1.5	1.8	1.8	1.8	1	1	1.5	1.8	2		2.1

Observatory	December 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	Mean
Arcetri/Firenze . .																																
Evershed/Ewhurst .																																
Kodaikanal . .										0	1	1	2	2	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1		1	0.9
Meudon/Paris . .						2										1		1	1	0.5								2	2			1.4
Mount Wilson . .		2	2.5	3	2.5	2.5	3								1.5	1	1.5		2			1.5								2	2	2.1
Mean .		2	2.5	3	2.5	2.2	3			0	1	1	2	2	1.2	1	0.8	0.5	1	0.2	1	1.2	1	1	1	1	1	1.5	1.5	2	1.5	1.4

Central Zone

Observatory	October 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	Mean
Arcetri/Firenze . .											2	2	2																			—
Evershed/Ewhurst .							1											0														—
Kodaikanal . . .		0	0	0	0	0	2	1	2	2	3	3	1	2	1	1	0	0		0		2	1	1		0	0		0	0	2	0.9
Meudon/Paris . .		1	1	1	0.5	1	1		2.5	3	3	2.5			2		0		0	0	2			1.5		1		0	0.5			1.2
Mount Wilson . .	2		1	1	2	2	2.5	3	4	4	3.5	3	3[a]		2.5	2	1	2	1	2	3	2	3						1			2.3
Mean .	2	0.5	0.7	0.7	0.8	1	1.6	2	2.8	3	2.9	2.6	2	2	1.8	1.5	0.3	0.7	0.5	0.7	2.5	2	2	1.2		0.5	0	0	0.5	0	2	1.4

Observatory	November 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	Mean
Arcetri/Firenze . .	0.5			1								2				2.5																—
Evershed/Ewhurst .																																
Kodaikanal . . .	1	0	0						1	1	2	2	0	1	3	3	3	1	1		2	1	1	1	1	2	1	0	1			1.3
Meudon/Paris . .		0.5	0.5				1			2.5	2.5	2	0.5			3.5		1.5														1.6
Mount Wilson . .	1	1	2	3			1	1		2	2.5	2		3	4	4	4	2	2			2	2	2.5[a]	2.5			1	1	1		2.1
Mean .	0.8	0.5	0.8	2			1	1	1	1.8	2.3	2	0.2	2	3.5	3.2	3.5	1.5	1.5		2	1.5	1.5	1.8	1.8	2	1	0.5	1	1		1.6

Observatory	December 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	Mean
Arcetri/Firenze . .									2					1																	1.5	—
Evershed/Ewhurst .																																
Kodaikanal . . .										0	0	0	1	0	0	0	0	0	0	0	1	2	1	0	0	1	2	2	1		0	0.5
Meudon/Paris . .						2										1		0.5	0.5	0.5								2	0.5			1.0
Mount Wilson . .		2	2	1	2	3	3								1	1	2		2			2								0	2	1.8
Mean .		2	2	1	2	2.5	3		2	0	0	0	1	0.5	0.5	0.7	1	0.2	0.8	0.2	1	2	1	0	0	1	2	2	0.8	0	1.2	1.0

* Eruption brillante d'hydrogène H α

Jour	Heure	Eclat	Coordonnées φ	L
Octobre 5	13 h 58	1	— 5°	— 68°

a = Very bright H α southeast group.
b = Very bright H α southwest group.