

Dark H $\alpha$ -Flocculi.

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				3.5												2.5	2.5			3										2.8	
Evershed/Ewhurst					3	3					4	4											2	2		2.5	2	3	3	4	4		4	3.3	
Kodaikanal	2	3	3	2	3	3	3.5	3.5				3			2	2				3			2	2		2.5	2	3	3	4	4		3	2.8	
Meudon		2.5				3																						2		3.5			3	2.8	
Mount Wilson	2		2	3		3	3	4		4	3	3	3	3	3	2		2	2				2	3	3	3	3							2.8	
Abastuman (Sp. hel.)					3	3	3	2.5			3	3	4	4					1.5					2	3	3								2.8	
Simeis	1.5						2.5	3				4.5			2.5										1	2.5								2.7	
Tashkent			2	2				2.5			3	3.5				2																			2.4
Zurich				2.5		3	2.5			3.5	3.5															1.5						3	3.5		2.9
Mean	1.8	2.8	2.3	2.4	3.0	3.0	2.9	3.2		3.8	3.4	3.4	3.5	3.2	2.5	2.0		1.8	2.0	2.3	2.2	2.0	2.0	2.0	2.2	2.5	2.7	3.0	3.7	4.0	3.3		2.7		

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		3	3	3.5	3.5		3.5									2.5	2.5																		3.2
Evershed/Ewhurst		4		3			3				3		3	3	2			2		2	2		3	2		3								2.7	
Kodaikanal		3	3	2.5	2.5	3	3	3	3	2.5	3	3	3	3.5	3	3			2.5	2.5	2	1.5	1.5	2	2	2	3	3	3					2.7	
Meudon		3.5	2.5	3.5	3	3	2.5	3	3.5			4	3.5	3	3	2.5		2	2.5		2	2			2.5	2.5								2.8	
Mount Wilson			4				3	3				3	4	3	3	3	3	2		2	2	3	3	3	3	3	3	2	3					2.9	
Abastuman (Sp. hel.)											2				2				3		1.5	3	2.5	3	2						4			2.6	
Simeis																3.5	3.5									3.5			3					3.4	
Tashkent			3				3	3					3.5	3.5	3				2.5	3	2			2.5	2.5									2.9	
Zurich				3	2.5		2.5	3	3	3	3	3.5		3	3	3			2.5						2.5	2.5	2.5	2.5	2.5		3	3			2.8
Mean	3.4	3.1	3.1	2.9	3.0	2.9	3.0	3.1	2.8	3.0	3.0	3.5	3.2	2.9	2.9	2.8	2.5	2.5	2.5	1.9	2.5	2.5	2.7	2.3	2.5	2.7	2.9	3.5					2.8		

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			4.5	4.5	4.5			5	5	5	4	4	4	4		4.5	3.5					3.5	3.5	3.5										4.2	
Evershed/Ewhurst		4		4			5			5	5		4																						4.3
Kodaikanal		3	3	3	3.5	3.5	3	3	3	3	4	4	3.5	3.5	3	3			2		2	2	2	2	3	2.5	2	2.5	2.5	2.5	2.5	2	2.5	2.8	
Meudon		4	4	4.5	4				5	5	4.5	4.5	4						2	2				3	3	3	2							3.6	
Mount Wilson		4	4	4	4	5	5		4		4	4	4	4		3	4	3	2			3		3	3	3	2			3	3			3.5	
Abastuman (Sp. hel.)			2.5	3							4					2.5	3			2			3	4			4.5	4.5						3.4	
Simeis					4.5	5													3	3	3	4												3.8	
Tashkent			4	4.5		5	4.5				4.5	4.5	4		3	3.5	3.5	2.5	2.5								4	3.5		4.5	4			3.7	
Zurich			3.5	3.5	4	4						4	3.5		3.5						3										3.5	3.5	3.5		3.5
Mean	3.7	3.6	3.9	4.1	4.6	4.2	4.0	4.0	4.5	4.6	4.2	4.1	3.9	3.1	3.4	3.7	2.3	2.5	2.7	2.9	3.3	2.9	3.1	2.9	2.0	3.7	3.0	3.5	3.4	3.1	3.2		3.5		

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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										3	3	2.5	2.5	3			3				2.5															2.8
Evershed/Ewhurst								4	3	3	3	2			2			2	2	2	2	3	3		3	2	2	2	3							2.6
Kodaikanal	2	2	3	3	3	2.5	2.5	2.5	2	2	2				1.5	1.5	1.5	0.5	1.5	1.5	1.5	1.5	2	2.5	2	1.5	1	1	1	2				1.9		
Meudon		4			4	3.5		3.5	3	3	2.5	1.5	1.5		2		2	2	2.5	2	2	3		2		1.5									2.5	
Mount Wilson				3	4	3	3		3	2	1				2	2	2	2	2	2	2	2	2	3	2	1	2	2	2	2					2.3	
Abastuman (Sp. hel.)		2	2	1.5	3	2.5					1.5				1.5	2.5	2.5	2.5	2			3	1.5									3	2.5		2.2	
Simeis	3.5		4.5	5	3.5		2.5	3.5	2.5			1			1.5	1.5				2	3		2.5	2.5	2.5	2		1.5	0.5		1.5	2.5		2.5		
Tashkent	3	3.5				3	3		3	3	2		2	1.5		1.5		2	3			2.5	2.5	2.5	2		1	2.5	2	2.5	2.5			2.4		
Zurich	3	3.5		3						3	3	2	2		2		2	2	2	2	2	2	3	2	2		0.5							2.3		
Mean	2.9	3.0	3.2	3.1	3.5	2.9	2.8	3.2	2.7	2.7	2.4	1.7	2.0	2.2	1.9	1.8	2.1	2.0	2.0	1.9	2.2	2.6	2.0	2.5	1.9	1.1	1.8	1.9	2.2	2.2				2.3		

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	2	2	2	3	2	2	1	1	1	1		2.0	
Evershed/Ewhurst			2				2	2	2	2				3								3	2	2	2	3	2	2	1	1	1	1		1.5	
Kodaikanal	2	2	1.5	1	1				1	1	2	2.5	2.5	2	2	2	2	2.5	2.5	1.5?	1.5	1.5	0.5?	0.5?	1	1	1	1?	1	1	1		2.4		
Meudon	2				1.5				2	2	2.5	3			2		3	3			4	2.5	3	2.5	2.5	2.5	2	2	2	2	2		2.4		
Mount Wilson	2	2	2	2	2		2	2	2	2	3	3	3	2	3		3	3	4	3	3	2	3	2	3	2	2	2	2	2	2		2.4		
Abastuman (Sp. hel.)				2		1.5			2	2	2	3			1.5	2	2	2				4	3.5	3.5	3.5		3	4		3			2.5		
Simeis			2.5	2			2	2.5	1.5	2.5	3				4	3.5	3.5	3.5	3	2.5	3	3		1	1	1.5	3	2.5					2.5		
Tashkent	2.5	2.5	2	2	1	1.5	1.5	1.5	1.5		3	3	2.5	2.5	3		3	3	3	3	3	3.5	3	2.5	3	2	2.5	2	2		2	2.5	1.5	2.3	
Zurich	2.5					1.5	1.5			2										3								2					2.5	2	2.2
Mean	2.2	2.2	2.0	1.8	1.4	1.6	1.8	2.0	1.7	2.0	2.7	2.8	2.5	2.1	2.7	2.6	2.8	3.0	2.8	3.0	2.2	2.4	2.4	2.5	2.1	1.7	1.9	2.3	1.7	2.0	1.6		2.2		

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	2.5	3.5	3.5	2.5		3	3						3		2.5				3	3				3.5							3.1	
Evershed/Ewhurst	1	1	1	2	2	2	2		2	2			2	2				2																1.8	
Kodaikanal	2.5	2.5	2.5	2	2						1.5				1.5		1		1			1.5	1.5?	2?	2?		2.5?	2.5?	3	2.5			2.0		
Meudon	2.5			2	2.5	2	2.5	2.5	2.5	2.5	2.5	3			3	2.5	2.5	2	2.5	2.5	2.5		3									3.5	3	2.6	
Mount Wilson																																			
Abastuman (Sp. hel.)		4		3		3	3	2	2	2	4			3			3	4	2	3	4			4			4	4	4	3				3.2	
Simeis	3	2.5	2				2	3	2.5			3	3.5	3	3.5	3.5	3		2	1.5						3.5	3.5	4	4	3			2.9		
Tashkent		2	2.5		2.5	2.5	1.5	1.5	2.5	2	3.5	3.5	3	2.5	2	2.5	3	1.5			2	2.5	3	3.5	3.5	4	3.5	4	4	4	3		2.8		
Zurich	2.5		2.5	2.5	2.5	2.5	3	2.5	3	2	2.5				3	3								3	3.5	3.5	3.5	3.5	4	3.5				2.9	
Mean	2.3	2.4	2.2	2.3	2.5	2.6	2.4	2.4	2.5	2.0	3.1	2.8	2.9	2.8	2.6	2.9	2.6	2.0	2.1	2.5	2.5	2.6	3.1	3.0	3.4	3.5	3.5	3.8	3.5	3.0			2.7		

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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		3	2.5	3	3	3	3		2			2.5							1.5	2	3				3.5	3.5	3.5	3	3	3	2	2.8
Evershed/Ewhurst																										4		4					—
Kodaikanal						2.5	2.5									1	1.5	1.5			1.5		2		2	2?	2?	2?	1.5?	1.5?		1.5	1.8
Meudon	3.5	3.5	3	3	2.5	3		3	3	2	2	1.5	1.5	2		1.5	2	2	2.5	1.5	2.5	3.5	3.5	3.5	4	3	3	3.5	4		4.5	2.8	
Mount Wilson *																																	
Abastuman (Sp. hel.)																																	
Simeis	3.5	3.5	3	2	2.5			2.5	2.5	2	2	2	2.5	2	2.5	1.5	2.5	3.5	3.5	3.5	3.5	4	4	4	4		4.5	4.5	4.5	4.5	4.5	3.2	
Tashkent	3	3	2.5					2	2.5	1	2	1.5	2	2.5	1.5	2	2	2	2	2.5	2	3.5	2.5	2.5	3.5	3.5	3	3	3.5	2.5	2.5	2.4	
Zurich		3.5	3	3	3	3	3	3	3		2	2	2	2.5	2.5		2.5	2.5	3	2.5	3	2.5			3	3.5	3.5	3	3	3	2.5	2.8	
Mean	3.1	3.4	2.9	2.6	2.8	2.9	2.8	2.7	2.8	1.8	2.0	1.8	2.1	2.2	2.2	1.5	2.1	2.3	2.5	2.4	3.2	3.1	3.2	3.0	3.4	3.4	3.5	3.2	3.2	3.1	2.2	2.7	

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	2		2			2		1.5		1.5	1.5		2																	2.5	3	2	2.0
Evershed/Ewhurst								3				3	2	2	3	3	3	3								3					2	2		2.7	
Kodaikanal	1.5	1.5	1.5	1.5	2					1.5	1.5													3		3.5	2.5	2	2	2.5	2.5	2.5	2.5	2.1	
Meudon		2.5		2.5				2	1	1.5		3	2.5	2.5	3	3.5	4	4	3.5	3.5	4	3	3.5				3	3	3	3	3		2.9		
Mount Wilson *																																			
Abastuman (Sp. hel.)																																			
Simeis			2.5	3	3	3	3	3	1	2.5	2.5			2.5	4	5	4	4						4	4	2.5	2	1.5	2.5	2	3	2.5	3	3.1	
Tashkent	1.5	2.5	2.5	2	2.5	2.5	2.5	1	2.5	2.5	2.5	1	2	3	4	3.5	3.5	3	3	3	3	3	4	2.5	2	1.5	2.5	2	3	2.5	3	2.5	2.5	2.5	
Zurich	2	3	2					2	2	2	2.5	2		3	3.5	3	2.5							2.5		2	2	2.5	2	3	2	2		2.4	
Mean	1.7	2.3	2.1	2.2	2.4	2.8	2.3	1.5	1.9	2.1	2.5	1.8	2.2	3.0	3.8	3.5	3.4	3.2	3.0	3.3	3.5	3.1	2.5	1.8	2.2	2.4	2.8	2.4	2.8	2.2	2.5	2.6			

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																																	2.4
Evershed/Ewhurst				3	3	3	3	3	3	3	3	4	4																					2.4
Kodaikanal	1.5	2	2	2	2.5	2.5	2	1.5	1.5		2.5	2.5	2	2	2	2	2																	2.2
Meudon	1.5	2.5	2.5	2.5	3	3	3	3	2.5	3	3																							2.7
Mount Wilson *																																		
Abastuman (Sp. hel.)																																		
Simeis	3	3	3.5		3.5	3	2.5	4	4	3.5	3	2.5		2.5	2.5		2.5																	2.9
Tashkent	2	2	2.5	2	2.5	2.5	1.5			1?	2.5	2	2	2	1.5	1.5	1.5	2.5																2.0
Zurich	2	2	2.5			3	2.5		2.5	2.5	3	2.5																						2.5
Mean	1.9	2.3	2.6	2.4	2.9	2.8	2.4	2.7	2.8	2.9	2.9	2.3	2.0	2.2	2.0	1.6	1.7	2.5	2.0	1.8	2.1	2.2	2.5	2.1	2.5	2.4	2.4	2.7	2.4	2.9		2.4		

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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																								2						2				
Evershed/Ewhurst		3	3	3		2	2			2		2	2		2						2		2		3	3		3		2				
Kodaikanal	2.5				2	2		2.5	3	2.5		2	2				2	2			2	2	2.5	2.5	2	2	2	2		2				
Meudon		3	4		3.5	3		3		3		2.5								2		2	2.5		3					2.5	2			
Mount Wilson																												2	2	2	1	2		
Abastuman (Sp. hel.)		2.5							3		3	2.5	2.5				1.5	2	2			1	1			1		2		2				
Simeis																																		
Tashkent	2.5	2	2	2.5	2		1.5	2		3	2	2.5	3.5		2.5	2.5		2	2.5	2.5			2	2	2	2.5	3		2.5	2	2			
Zurich											2.5			3	2.5							2	2.5							2.5				
Mean	2.5	2.6	3.0	2.8	2.5	2.3	1.8	2.5	3.0	2.6	2.5	2.3	2.5	3.0	2.5	2.2	1.8	2.0	2.1	2.2	1.5	1.8	2.3	2.4	2.2	2.2	2.4	2.0	2.2	2.0	2.0	2.3		
November																																		
Arcetri/Firenze											3				2.5										4	3.5								
Evershed/Ewhurst					2															2	3		3						3					
Kodaikanal				1.5	1.5						3	3							2	2	2.5	3		3	3	3	3	3	3	3	3			
Meudon	2				2.5	2.5	2			2.5											3			3.5	3.5		3		4					
Mount Wilson							2		3	2	2	2	3	2	3	2	3	2	3	2	2	3	3	3	3				4	3	3			
Abastuman (Sp. hel.)								2	3				1.5	1	2	1.5	3													2				
Simeis																																		
Tashkent	2			2	2	2					3	3	3			2				2.5	2.5	3.5	3		3	4	4	4.5	4		2.5			
Zurich				2		2.5	2.5	2.5				2.5			3	2.5									3.5	3.5	3.5		3.5	3.5				
Mean	2.0			1.5	2.0	2.2	2.1	2.2	2.8	2.2	2.8	2.6	2.5	1.5	2.7	2.0	3.0	2.0	2.3	2.8	3.2	3.1	3.5	3.2	3.3	3.5	3.7	3.6	2.7	2.8		2.6		
December																																		
Arcetri/Firenze								2.5		2																								
Evershed/Ewhurst		2	2	2	2		2			3														3	2	2		2		2				
Kodaikanal	2			3	2	2	2	2		2.5	2.5			2.5				2.5	2.5	2	2		2	2.5	3	3	2.5	2.5	2.5	2.5	2.5	2.5	2.5	
Meudon			3		3	3	3	3							2.5									2.5	2.5	2.5	2.5	2						
Mount Wilson	2		3	2	2	3	2	2	3	3		3	3	2	3		2	2	2	2	2	2	2	3	2		2	1	1	1	2	2		
Abastuman (Sp. hel.)						2	2.5		2.5															3	3			2.5	2			2.5		
Simeis																																		
Tashkent		2				2.5	3	2	2.5	2.5	3	3.5											2.5	2.5		2.5	2.5				2.5	2.5	2	2.5
Zurich	3	2.5	3				2.5																								2			
Mean	2.3	2.2	2.8	2.3	2.2	2.5	2.4	2.2	2.8	2.6	2.8	3.2	2.5	2.2	2.8	2.2	2.2	2.5	2.0	2.4	2.6	2.5	2.5	2.2	2.0	1.8	1.8	2.5	2.3	2.1	2.7	2.4		