

	λ (nm)	HFW	LFZ			GDD
			All	Non-dust	Dust storm	
$\sigma_{\text{sp}}^{1.0}$ (Mm ⁻¹)	450	109.7 ± 39.4	125.0 ± 240.8	70.7 ± 39.2	626.1 ± 520.1	28.8 ± 11.6
	550	74.0 ± 27.2	117.0 ± 254.0	57.2 ± 32.5	668.0 ± 559.2	23.9 ± 11.1
	700	43.5 ± 16.4	104.7 ± 259.1	43.1 ± 26.8	673.0 ± 566.5	20.7 ± 11.4
$\sigma_{\text{sp}}^{2.5}$ (Mm ⁻¹)	450	132.7 ± 47.3	193.1 ± 422.7	98.3 ± 62.0	1068.4 ± 971.8	58.9 ± 31.5
	550	101.5 ± 36.8	182.2 ± 433.1	84.3 ± 58.1	1087.1 ± 990.8	54.0 ± 32.0
	700	75.6 ± 28.4	168.8 ± 430.9	70.5 ± 54.5	1076.8 ± 979.7	49.1 ± 31.7
$\sigma_{\text{bsp}}^{1.0}$ (Mm ⁻¹)	450	12.8 ± 4.7	16.7 ± 34.8	8.5 ± 4.3	92.3 ± 76.5	4.0 ± 1.7
	550	9.9 ± 3.6	15.8 ± 35.3	7.5 ± 3.9	92.9 ± 77.4	3.5 ± 1.6
	700	7.8 ± 2.7	15.6 ± 36.5	6.9 ± 4.0	95.5 ± 79.6	3.3 ± 1.6
$\sigma_{\text{bsp}}^{2.5}$ (Mm ⁻¹)	450	15.3 ± 5.5	22.0 ± 48.5	10.9 ± 6.6	124.0 ± 110.1	7.6 ± 4.0
	550	12.2 ± 4.4	19.7 ± 44.9	9.5 ± 5.9	114.6 ± 101.6	6.5 ± 3.7
	700	11.2 ± 4.0	19.8 ± 46.7	9.1 ± 6.0	118.8 ± 105.5	6.5 ± 3.8
$\sigma_{\text{ap}}^{2.5}$ (Mm ⁻¹)	637	9.7 ± 6.1	6.0 ± 4.6	5.5 ± 3.8	10.6 ± 7.6	2.3 ± 0.9
ω	637	0.902 ± 0.025	0.931 ± 0.037	0.925 ± 0.034	0.989 ± 0.004	0.949 ± 0.020
$b_{1.0}$	450	0.117 ± 0.009	0.126 ± 0.018	0.123 ± 0.017	0.148 ± 0.004	0.137 ± 0.007
	550	0.135 ± 0.009	0.135 ± 0.013	0.134 ± 0.013	0.140 ± 0.003	0.147 ± 0.007
	700	0.181 ± 0.007	0.161 ± 0.012	0.163 ± 0.011	0.143 ± 0.003	0.159 ± 0.012
$b_{2.5}$	450	0.115 ± 0.007	0.113 ± 0.008	0.113 ± 0.008	0.118 ± 0.003	0.131 ± 0.004
	550	0.121 ± 0.005	0.114 ± 0.007	0.115 ± 0.007	0.107 ± 0.003	0.122 ± 0.005
	700	0.150 ± 0.007	0.131 ± 0.012	0.133 ± 0.011	0.113 ± 0.003	0.136 ± 0.010
$\dot{A}_{\text{sp}}^{1.0}$	450–700	2.09 ± 0.22	1.05 ± 0.66	1.18 ± 0.56	-0.15 ± 0.04	0.87 ± 0.42
$\dot{A}_{\text{sp}}^{2.5}$	450–700	1.28 ± 0.27	0.77 ± 0.51	0.86 ± 0.47	-0.01 ± 0.02	0.52 ± 0.31
MSE (m ² g ⁻¹)	550	2.79 ± 0.57	2.21 ± 0.64	2.26 ± 0.65	1.73 ± 0.20	1.55 ± 0.59