

2. Brockmann

.\.	No. of samples	Brockmann - Reference AOT			
		Min	Mean	\pm rms	Max
Cloudiness	<65%				
Temperate	10	0.015	0.109	0.104	0.313
Arid	10	0.011	0.21	0.26	0.757
Equatorial Forest	4	0.039	0.177	0.121	0.304
Boreal	1	0.106	0.106	0	0.106
Coastal	8	0.026	0.13	0.079	0.225
Total	33	0.011	0.153	0.17	0.757
Cloudiness	<5%				
Temperate	6	0	0.041	0.024	0.076
Arid	7	0.016	0.134	0.12	0.408
Equatorial Forest	0	0	0	0	0
Boreal	0	0	0	0	0
Coastal	1	0.044	0.044	0	0.044
Total	14	0	0.088	0.098	0.408

3. FORCE

.\.	No. of samples	FORCE - Reference AOT			
		Min	Mean	\pm rms	Max
Cloudiness	<65%				
Temperate	10	0.02	0.068	0.029	0.116
Arid	10	0.003	0.235	0.307	0.871
Equatorial Forest	4	0.03	0.083	0.036	0.118
Boreal	1	0.102	0.102	0	0.102
Coastal	7	0.012	0.063	0.033	0.118
Total	32	0.003	0.122	0.19	0.871
Cloudiness	<5%				
Temperate	7	0.006	0.082	0.091	0.297
Arid	8	0.022	0.124	0.139	0.473
Equatorial Forest	0	0	0	0	0
Boreal	0	0	0	0	0
Coastal	1	0.11	0.11	0	0.11
Total	16	0.006	0.104	0.117	0.473

4. iCOR- advanced

.\.	No. of samples	iCOR -advanced - Reference AOT			
		Min	Mean	\pm rms	Max
Cloudiness	<65%				
Temperate	9	0.003	0.072	0.056	0.16
Arid	7	0.068	0.311	0.182	0.599
Equatorial Forest	2	0.002	0.034	0.032	0.067
Boreal	0	0	0	0	0
Coastal	8	0.037	0.112	0.053	0.207
Total	26	0.002	0.146	0.146	0.599
Cloudiness	<5%				
Temperate	4	0.004	0.039	0.036	0.089
Arid	6	0.139	0.264	0.154	0.501
Equatorial Forest	0	0	0	0	0
Boreal	0	0	0	0	0
Coastal	1	0.033	0.033	0	0.033
Total	11	0.004	0.161	0.162	0.501

5. iCOR - basic

.\.	No. of samples	iCOR-basic - Reference AOT			
		Min	Mean	\pm rms	Max
Cloudiness	<65%				
Temperate	2	0.155	0.16	0.005	0.165
Arid	2	0.073	0.106	0.034	0.14
Equatorial Forest	2	0.016	0.061	0.045	0.106
Boreal	0	0	0	0	0
Coastal	6	0.047	0.085	0.03	0.145
Total	12	0.016	0.097	0.044	0.165
Cloudiness	<5%				
Temperate	0	0	0	0	0
Arid	1	0.208	0.208	0	0.208
Equatorial Forest	0	0	0	0	0
Boreal	0	0	0	0	0
Coastal	1	0.029	0.029	0	0.029
Total	2	0.029	0.119	0.089	0.208

6. LaSRC

.\.	No. of samples	LaSRC - Reference AOT			
		Min	Mean	\pm rms	Max
Cloudiness	<65%				
Temperate	11	0.002	0.073	0.054	0.163
Arid	10	0.082	0.151	0.059	0.228
Equatorial Forest	2	0.015	0.1	0.085	0.185
Boreal	0	0	0	0	0
Coastal	9	0.065	0.112	0.066	0.283
Total	32	0.002	0.11	0.069	0.283
Cloudiness	<5%				
Temperate	7	0.022	0.176	0.182	0.602
Arid	8	0.005	0.086	0.069	0.243
Equatorial Forest	0	0	0	0	0
Boreal	0	0	0	0	0
Coastal	1	0.092	0.092	0	0.092
Total	16	0.005	0.126	0.137	0.602

7. MACCS WITHOUT ADJACENCY AND SLOPE

.\.	No. of samples	MACCS - mandatory - Reference AOT			
		Min	Mean	\pm rms	Max
Cloudiness	<65%				
Temperate	5	0.035	0.082	0.042	0.136
Arid	6	0.018	0.336	0.277	0.778
Equatorial Forest	2	0.003	0.019	0.016	0.036
Boreal	0	0	0	0	0
Coastal	3	0.023	0.048	0.035	0.098
Total	16	0.003	0.163	0.219	0.778
Cloudiness	<5%				
Temperate	4	0.081	0.129	0.036	0.18
Arid	3	0.204	0.362	0.128	0.517
Equatorial Forest	0	0	0	0	0
Boreal	0	0	0	0	0
Coastal	1	0.002	0.002	0	0.002
Total	8	0.002	0.201	0.155	0.517

8. MACCS WITH ADJACENCY AND SLOPE

.\.	No. of samples	MACCS - optional - Reference AOT			
		Min	Mean	\pm rms	Max
Cloudiness	<65%				
Temperate	5	0.035	0.082	0.042	0.136
Arid	6	0.018	0.336	0.277	0.778
Equatorial Forest	2	0.004	0.02	0.016	0.036
Boreal	0	0	0	0	0
Coastal	3	0.023	0.048	0.035	0.098
Total	16	0.004	0.163	0.219	0.778
Cloudiness	<5%				
Temperate	4	0.081	0.129	0.036	0.18
Arid	3	0.204	0.362	0.128	0.517
Equatorial Forest	0	0	0	0	0
Boreal	0	0	0	0	0
Coastal	1	0.002	0.002	0	0.002
Total	8	0.002	0.201	0.155	0.517

9. S2-AC2020-mandatory

.\.	No. of samples	S2-AC2020-mandatory - Reference AOT			
		Min	Mean	\pm rms	Max
Cloudiness	<65%				
Temperate	10	0.02	0.087	0.091	0.286
Arid	9	0.013	0.21	0.219	0.651
Equatorial Forest	2	0.03	0.04	0.01	0.051
Boreal	0	0	0	0	0
Coastal	8	0.025	0.082	0.06	0.23
Total	29	0.013	0.12	0.15	0.651
Cloudiness	<5%				
Temperate	5	0.016	0.051	0.029	0.097
Arid	8	0.026	0.103	0.085	0.253
Equatorial Forest	0	0	0	0	0
Boreal	0	0	0	0	0
Coastal	1	0.047	0.047	0	0.047
Total	14	0.016	0.081	0.071	0.253

10. S2-AC2020-optional

.\.	No. of samples	S2-AC2020-optional - Reference AOT			
		Min	Mean	\pm rms	Max
Cloudiness	<65%				
Temperate	10	0.002	0.046	0.047	0.166
Arid	6	0.01	0.263	0.251	0.652
Equatorial Forest	4	0.024	0.04	0.011	0.056
Boreal	0	0	0	0	0
Coastal	6	0.019	0.07	0.061	0.2
Total	26	0.002	0.103	0.158	0.652
Cloudiness	<5%				
Temperate	3	0.035	0.126	0.114	0.286
Arid	6	0.025	0.125	0.092	0.254
Equatorial Forest	0	0	0	0	0
Boreal	0	0	0	0	0
Coastal	1	0.035	0.035	0	0.035
Total	10	0.025	0.116	0.098	0.286

11. SCAPEM

.\.	No. of samples	SCAPEM - Reference AOT			
		Min	Mean	\pm rms	Max
Cloudiness	<65%				
Temperate	12	0.002	0.184	0.246	0.92
Arid	10	0.001	0.252	0.283	0.826
Equatorial Forest	4	0.004	0.028	0.015	0.045
Boreal	0	0	0	0	0
Coastal	4	0.003	0.053	0.032	0.087
Total	30	0.001	0.169	0.241	0.92
Cloudiness	<5%				
Temperate	5	0.002	0.104	0.164	0.43
Arid	6	0.002	0.16	0.16	0.487
Equatorial Forest	0	0	0	0	0
Boreal	0	0	0	0	0
Coastal	0	0	0	0	0
Total	11	0.002	0.135	0.164	0.487

12. SEN2COR MANDATORY

.\.	No. of samples	SEN2COR_MANDATORY - Reference AOT			
		Min	Mean	\pm rms	Max
Cloudiness	<65%				
Temperate	10	0.006	0.138	0.077	0.26
Arid	10	0.008	0.247	0.266	0.806
Equatorial Forest	3	0.029	0.086	0.054	0.158
Boreal	1	0.173	0.173	0	0.173
Coastal	8	0.013	0.098	0.043	0.131
Total	32	0.006	0.159	0.169	0.806
Cloudiness	<5%				
Temperate	7	0.069	0.149	0.043	0.223
Arid	7	0.027	0.174	0.107	0.408
Equatorial Forest	0	0	0	0	0
Boreal	0	0	0	0	0
Coastal	1	0.087	0.087	0	0.087
Total	15	0.027	0.156	0.082	0.408

13. SEN2COR_OPTIONAL

.\.	No. of samples	SEN2COR_OPTIONAL - Reference AOT			
		Min	Mean	± rms	Max
Cloudiness	<65%				
Temperate	10	0.045	0.146	0.077	0.26
Arid	10	0.006	0.244	0.267	0.805
Equatorial Forest	3	0.025	0.087	0.05	0.146
Boreal	1	0.156	0.156	0	0.156
Coastal	8	0.005	0.1	0.049	0.14
Total	32	0.005	0.16	0.169	0.805
Cloudiness	<5%				
Temperate	7	0.071	0.152	0.048	0.233
Arid	7	0.029	0.169	0.108	0.407
Equatorial Forest	0	0	0	0	0
Boreal	0	0	0	0	0
Coastal	1	0.084	0.084	0	0.084
Total	15	0.029	0.156	0.083	0.407