

1. Brockmann

.\.	No. of samples	Brockmann - Reference AOT			
		Min	Mean	\pm rms	Max
Cloudiness	<65%				
Temperate	8	0.157	0.441	0.312	0.988
Arid	10	0.008	0.307	0.29	0.836
Equatorial Forest	3	0.029	0.258	0.185	0.483
Boreal	1	0.08	0.08	0	0.08
Coastal	2	0.216	0.233	0.017	0.25
Total	24	0.008	0.33	0.283	0.988
Cloudiness	<5%				
Temperate	5	0.07	0.621	0.439	1.312
Arid	7	0.047	0.328	0.317	1.044
Equatorial Forest	0	0	0	0	0
Boreal	0	0	0	0	0
Coastal	0	0	0	0	0
Total	12	0.047	0.45	0.4	1.312

2. FORCE

.\.	No. of samples	FORCE - Reference AOT			
		Min	Mean	\pm rms	Max
Cloudiness	<65%				
Temperate	11	0.001	0.152	0.246	0.911
Arid	10	0.024	0.23	0.244	0.829
Equatorial Forest	4	0.004	0.761	0.561	1.504
Boreal	1	0.064	0.064	0	0.064
Coastal	2	0.219	0.223	0.004	0.227
Total	28	0.001	0.269	0.363	1.504
Cloudiness	<5%				
Temperate	7	0.025	0.129	0.066	0.2
Arid	8	0.035	0.103	0.076	0.256
Equatorial Forest	0	0	0	0	0
Boreal	0	0	0	0	0
Coastal	0	0	0	0	0
Total	15	0.025	0.115	0.073	0.256

3. LaSRC

.\.	No. of samples	LaSRC - Reference AOT			
		Min	Mean	\pm rms	Max
Cloudiness	<65%				
Temperate	12	0.093	0.231	0.102	0.491
Arid	10	0.021	0.454	0.499	1.906
Equatorial Forest	2	0.061	0.181	0.12	0.301
Boreal	0	0	0	0	0
Coastal	2	0.03	0.049	0.019	0.069
Total	26	0.021	0.299	0.345	1.906
Cloudiness	<5%				
Temperate	7	0.121	0.341	0.297	1.038
Arid	8	0.172	0.252	0.059	0.343
Equatorial Forest	0	0	0	0	0
Boreal	0	0	0	0	0
Coastal	0	0	0	0	0
Total	15	0.121	0.294	0.212	1.038

4. MACCS WITHOUT ADJACENCY AND SLOPE

.\.	No. of samples	MACCS - mandatory - Reference AOT			
		Min	Mean	\pm rms	Max
Cloudiness	<65%				
Temperate	5	0.002	0.024	0.018	0.049
Arid	6	0.025	0.255	0.241	0.63
Equatorial Forest	2	0.739	1.196	0.458	1.654
Boreal	0	0	0	0	0
Coastal	0	0	0	0	0
Total	13	0.002	0.311	0.461	1.654
Cloudiness	<5%				
Temperate	4	0.053	0.177	0.1	0.332
Arid	3	0.054	0.211	0.206	0.502
Equatorial Forest	0	0	0	0	0
Boreal	0	0	0	0	0
Coastal	0	0	0	0	0
Total	7	0.053	0.192	0.156	0.502

5. MACCS WITH ADJACENCY AND SLOPE

.\.	No. of samples	MACCS - optional - Reference AOT			
		Min	Mean	\pm rms	Max
Cloudiness	<65%				
Temperate	5	0.002	0.024	0.018	0.049
Arid	6	0.025	0.255	0.241	0.63
Equatorial Forest	2	0.739	1.196	0.458	1.654
Boreal	0	0	0	0	0
Coastal	0	0	0	0	0
Total	13	0.002	0.311	0.461	1.654
Cloudiness	<5%				
Temperate	4	0.053	0.177	0.1	0.332
Arid	3	0.054	0.211	0.206	0.502
Equatorial Forest	0	0	0	0	0
Boreal	0	0	0	0	0
Coastal	0	0	0	0	0
Total	7	0.053	0.192	0.156	0.502

6. S2-AC2020-mandatory

.\.	No. of samples	S2-AC2020-mandatory - Reference AOT			
		Min	Mean	\pm rms	Max
Cloudiness	<65%				
Temperate	10	0.004	0.196	0.206	0.772
Arid	9	0.012	0.199	0.11	0.364
Equatorial Forest	2	0.19	0.636	0.445	1.081
Boreal	0	0	0	0	0
Coastal	2	0.016	0.045	0.029	0.074
Total	23	0.004	0.222	0.242	1.081
Cloudiness	<5%				
Temperate	5	0.008	0.742	1.048	2.823
Arid	8	0.07	0.163	0.103	0.355
Equatorial Forest	0	0	0	0	0
Boreal	0	0	0	0	0
Coastal	0	0	0	0	0
Total	13	0.008	0.385	0.713	2.823

7. S2-AC2020-optional

.\.	No. of samples	S2-AC2020-optional - Reference AOT			
		Min	Mean	\pm rms	Max
Cloudiness	<65%				
Temperate	10	0.005	0.232	0.221	0.748
Arid	6	0.085	0.163	0.071	0.31
Equatorial Forest	4	0.262	1.09	0.723	2.18
Boreal	0	0	0	0	0
Coastal	0	0	0	0	0
Total	20	0.005	0.383	0.506	2.18
Cloudiness	<5%				
Temperate	3	0.047	0.367	0.252	0.661
Arid	6	0.079	0.2	0.116	0.409
Equatorial Forest	0	0	0	0	0
Boreal	0	0	0	0	0
Coastal	0	0	0	0	0
Total	9	0.047	0.256	0.19	0.661

8. SCAPEM

.\.	No. of samples	SCAPEM - Reference AOT			
		Min	Mean	\pm rms	Max
Cloudiness	<65%				
Temperate	11	0.027	0.402	0.316	1.157
Arid	9	0.066	0.443	0.171	0.681
Equatorial Forest	4	0.102	0.435	0.219	0.675
Boreal	0	0	0	0	0
Coastal	2	0.164	0.179	0.015	0.194
Total	26	0.027	0.404	0.254	1.157
Cloudiness	<5%				
Temperate	5	0.317	0.777	0.384	1.246
Arid	8	0.241	0.429	0.124	0.581
Equatorial Forest	0	0	0	0	0
Boreal	0	0	0	0	0
Coastal	0	0	0	0	0
Total	13	0.241	0.563	0.308	1.246

9. SEN2COR MANDATORY

.\.	No. of samples	SEN2COR_MANDATORY - Reference AOT			
		Min	Mean	\pm rms	Max
Cloudiness	<65%				
Temperate	11	0.015	0.181	0.235	0.907
Arid	10	0.012	0.382	0.386	1.111
Equatorial Forest	3	0.334	0.802	0.592	1.638
Boreal	1	0.148	0.148	0	0.148
Coastal	2	0.442	0.466	0.025	0.491
Total	27	0.012	0.344	0.392	1.638
Cloudiness	<5%				
Temperate	7	0.044	0.208	0.184	0.593
Arid	7	0.012	0.107	0.158	0.49
Equatorial Forest	0	0	0	0	0
Boreal	0	0	0	0	0
Coastal	0	0	0	0	0
Total	14	0.012	0.157	0.179	0.593

10. SEN2COR OPTIONAL

.\.	No. of samples	SEN2COR_OPTIONAL - Reference AOT			
		Min	Mean	\pm rms	Max
Cloudiness	<65%				
Temperate	11	0.015	0.181	0.235	0.906
Arid	10	0.012	0.382	0.386	1.111
Equatorial Forest	3	0.337	0.801	0.588	1.63
Boreal	1	0.148	0.148	0	0.148
Coastal	2	0.442	0.466	0.024	0.49
Total	27	0.012	0.344	0.391	1.63
Cloudiness	<5%				
Temperate	7	0.044	0.207	0.183	0.591
Arid	7	0.012	0.106	0.158	0.49
Equatorial Forest	0	0	0	0	0
Boreal	0	0	0	0	0
Coastal	0	0	0	0	0
Total	14	0.012	0.157	0.178	0.591