

# 1. ACOLITE

.\.	No. of samples	ACOLITE - Reference AOT			
		Min	Mean	$\pm$ rms	Max
<b>Cloudiness</b>	<b>&lt;65%</b>				
Temperate	50	0.006	0.172	0.14	0.723
Arid	13	0.076	0.398	0.284	0.941
Equatorial Forest	3	0.297	0.364	0.055	0.431
Boreal	6	0.149	0.238	0.086	0.376
Coastal	17	0	0.117	0.076	0.292
<b>Total</b>	<b>89</b>	<b>0</b>	<b>0.206</b>	<b>0.182</b>	<b>0.941</b>
<b>Cloudiness</b>	<b>&lt;5%</b>				
Temperate	6	0.041	0.117	0.064	0.222
Arid	15	0.113	0.396	0.229	0.907
Equatorial Forest	3	0.239	0.347	0.147	0.554
Boreal	0	0	0	0	0
Coastal	0	0	0	0	0
<b>Total</b>	<b>24</b>	<b>0.041</b>	<b>0.32</b>	<b>0.224</b>	<b>0.907</b>

## 2. ATCOR- mandatory

.\.	No. of samples	ATCOR- mandatory - Reference AOT			
		Min	Mean	$\pm$ rms	Max
<b>Cloudiness</b>	<b>&lt;65%</b>				
Temperate	50	0.01	0.134	0.235	1.73
Arid	13	0.009	0.126	0.096	0.342
Equatorial Forest	3	0.002	0.041	0.04	0.096
Boreal	6	0.031	0.165	0.088	0.325
Coastal	23	0.01	0.11	0.074	0.311
<b>Total</b>	<b>95</b>	<b>0.002</b>	<b>0.126</b>	<b>0.181</b>	<b>1.73</b>
<b>Cloudiness</b>	<b>&lt;5%</b>				
Temperate	6	0.015	0.061	0.032	0.114
Arid	15	0.006	0.228	0.304	1.233
Equatorial Forest	3	0.004	0.008	0.005	0.014
Boreal	0	0	0	0	0
Coastal	2	0.065	0.081	0.016	0.096
<b>Total</b>	<b>26</b>	<b>0.004</b>	<b>0.153</b>	<b>0.248</b>	<b>1.233</b>

### 3. ATCOR- optional

.\.	No. of samples	ATCOR- optional - Reference AOT			
		Min	Mean	$\pm$ rms	Max
<b>Cloudiness</b>	<b>&lt;65%</b>				
Temperate	50	0.002	0.107	0.254	1.844
Arid	13	0.034	0.116	0.078	0.329
Equatorial Forest	2	0.057	0.069	0.012	0.08
Boreal	6	0.016	0.07	0.031	0.107
Coastal	23	0.003	0.094	0.05	0.173
<b>Total</b>	<b>94</b>	<b>0.002</b>	<b>0.102</b>	<b>0.19</b>	<b>1.844</b>
<b>Cloudiness</b>	<b>&lt;5%</b>				
Temperate	6	0.042	0.077	0.024	0.117
Arid	15	0.02	0.287	0.29	1.239
Equatorial Forest	3	0	0.035	0.046	0.1
Boreal	0	0	0	0	0
Coastal	2	0.059	0.092	0.033	0.125
<b>Total</b>	<b>26</b>	<b>0</b>	<b>0.194</b>	<b>0.246</b>	<b>1.239</b>

## 4. FORCE

.\.	No. of samples	FORCE - Reference AOT			
		Min	Mean	$\pm$ rms	Max
<b>Cloudiness</b>	<b>&lt;65%</b>				
Temperate	52	0.002	0.11	0.25	1.745
Arid	13	0.003	0.097	0.091	0.298
Equatorial Forest	3	0.025	0.058	0.039	0.114
Boreal	6	0.036	0.063	0.031	0.123
Coastal	24	0.021	0.092	0.066	0.281
<b>Total</b>	<b>98</b>	<b>0.002</b>	<b>0.099</b>	<b>0.189</b>	<b>1.745</b>
<b>Cloudiness</b>	<b>&lt;5%</b>				
Temperate	6	0.005	0.015	0.006	0.022
Arid	15	0.01	0.242	0.334	1.306
Equatorial Forest	3	0.004	0.059	0.074	0.164
Boreal	0	0	0	0	0
Coastal	2	0.092	0.101	0.009	0.11
<b>Total</b>	<b>26</b>	<b>0.004</b>	<b>0.157</b>	<b>0.274</b>	<b>1.306</b>

## 5. iCOR - advanced

.\.	No. of samples	iCOR – advanced - Reference AOT			
		Min	Mean	± rms	Max
<b>Cloudiness</b>	<b>&lt;65%</b>				
Temperate	50	0.004	0.08	0.138	1.015
Arid	7	0.016	0.117	0.092	0.295
Equatorial Forest	3	0.012	0.056	0.031	0.085
Boreal	6	0.002	0.063	0.053	0.17
Coastal	24	0.005	0.114	0.089	0.283
<b>Total</b>	<b>90</b>	<b>0.002</b>	<b>0.09</b>	<b>0.118</b>	<b>1.015</b>
<b>Cloudiness</b>	<b>&lt;5%</b>				
Temperate	6	0.003	0.026	0.024	0.064
Arid	10	0.086	0.193	0.129	0.54
Equatorial Forest	3	0.051	0.054	0.003	0.057
Boreal	0	0	0	0	0
Coastal	2	0.091	0.099	0.008	0.107
<b>Total</b>	<b>21</b>	<b>0.003</b>	<b>0.117</b>	<b>0.118</b>	<b>0.54</b>

## 6. iCOR - basic

.\.	No. of samples	iCOR – basic - Reference AOT			
		Min	Mean	± rms	Max
<b>Cloudiness</b>	<b>&lt;65%</b>				
Temperate	8	0.006	0.193	0.392	1.224
Arid	6	0.003	0.077	0.079	0.188
Equatorial Forest	3	0.003	0.032	0.026	0.067
Boreal	0	0	0	0	0
Coastal	10	0.018	0.105	0.095	0.278
<b>Total</b>	<b>27</b>	<b>0.003</b>	<b>0.117</b>	<b>0.231</b>	<b>1.224</b>
<b>Cloudiness</b>	<b>&lt;5%</b>				
Temperate	0	0	0	0	0
Arid	5	0.11	0.428	0.507	1.435
Equatorial Forest	3	0.051	0.061	0.008	0.071
Boreal	0	0	0	0	0
Coastal	0	0	0	0	0
<b>Total</b>	<b>8</b>	<b>0.051</b>	<b>0.29</b>	<b>0.438</b>	<b>1.435</b>

## 7. LaSRC

.\.	No. of samples	LaSRC - Reference AOT			
		Min	Mean	$\pm$ rms	Max
<b>Cloudiness</b>	<b>&lt;65%</b>				
Temperate	47	0.001	0.326	0.529	2.017
Arid	13	0.002	0.068	0.051	0.184
Equatorial Forest	3	0.038	0.12	0.082	0.232
Boreal	6	0.021	0.151	0.261	0.734
Coastal	24	0.018	0.318	0.307	1.395
<b>Total</b>	<b>93</b>	<b>0.001</b>	<b>0.27</b>	<b>0.425</b>	<b>2.017</b>
<b>Cloudiness</b>	<b>&lt;5%</b>				
Temperate	6	0.005	0.02	0.014	0.04
Arid	15	0.006	0.151	0.158	0.487
Equatorial Forest	3	0.009	0.023	0.013	0.04
Boreal	0	0	0	0	0
Coastal	2	0.069	0.086	0.017	0.103
<b>Total</b>	<b>26</b>	<b>0.005</b>	<b>0.101</b>	<b>0.134</b>	<b>0.487</b>