

| Region | AERONET | SALSA | | M7 | |
|-----------------------------|---------|-------|------|-------|------|
| | AOD | AOD | R | AOD | R |
| North America | 0.143 | 0.135 | 0.97 | 0.111 | 0.95 |
| South America | 0.343 | 0.338 | 0.92 | 0.246 | 0.95 |
| Europe | 0.149 | 0.157 | 0.57 | 0.143 | 0.53 |
| northern Africa/Middle East | 0.366 | 0.321 | 0.66 | 0.239 | 0.69 |
| central/southern Africa | 0.298 | 0.216 | 0.78 | 0.207 | 0.70 |
| Asia | 0.427 | 0.264 | 0.47 | 0.286 | 0.41 |
| Siberia | 0.113 | 0.067 | 0.86 | 0.052 | 0.88 |
| Australia | 0.052 | 0.076 | 1.00 | 0.067 | 1.00 |
| oceans | 0.075 | 0.120 | 0.79 | 0.097 | 0.75 |
| elsewhere | 0.139 | 0.127 | 0.73 | 0.113 | 0.69 |