

GOCI AOD range	Ocean algorithm	Land algorithm
“Noise floor”	0.044	0.048
$-0.05 \leq \tau_G < 0.50$	$0.07 - 0.58\tau_G + 4.12\tau_G^2 + 8.81\tau_G^3 + 7.39\tau_G^4 + 1.50\tau_G^5$	$0.11 - 1.15\tau_G + 8.87\tau_G^2 + 25.05\tau_G^3 + 34.83\tau_G^4 + 18.93\tau_G^5$
$\tau_G \geq 0.70$	$0.00 + 0.25\tau_G$	$0.13 + 0.12\tau_G$
$0.50 \leq \tau_G < 0.70$	Highest between two fitting equations	Highest between two fitting equations