

Satellite AOD algorithm	N	R	MB	f within EE _{DT}	RMSE
Land AOD comparison with AERONET					
GOCI YAER V1 all QA	47 850	0.86	-0.015	0.49	0.24
GOCI YAER V1 QA3	38 183	0.92	-0.066	0.49	0.18
GOCI YAER V2	45 643	0.91	0.010	0.60	0.16
MODIS DT	3228	0.92	0.043	0.62	0.18
MODIS DB	3463	0.93	0.007	0.73	0.16
Land AOD comparison with SONET					
GOCI YAER V1 all QA	12 974	0.83	-0.048	0.45	0.29
GOCI YAER V1 QA3	10 483	0.88	-0.103	0.42	0.27
GOCI YAER V2	12 238	0.86	-0.021	0.51	0.24
MODIS DT	733	0.82	0.104	0.46	0.29
MODIS DB	1258	0.86	0.000	0.67	0.27
Ocean AOD comparison with AERONET					
GOCI YAER V1 all QA	19 945	0.83	0.056	0.55	0.17
GOCI YAER V1 QA3	18 308	0.88	0.043	0.62	0.13
GOCI YAER V2	18 499	0.89	0.008	0.71	0.11
MODIS DT	680	0.92	0.033	0.73	0.09