

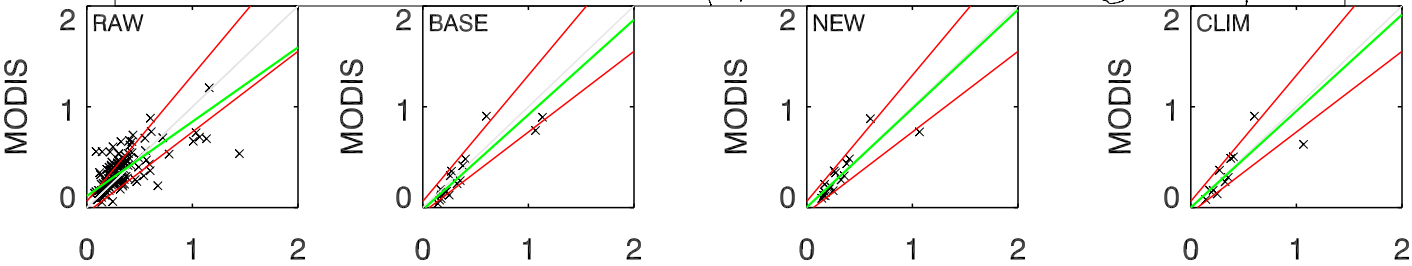
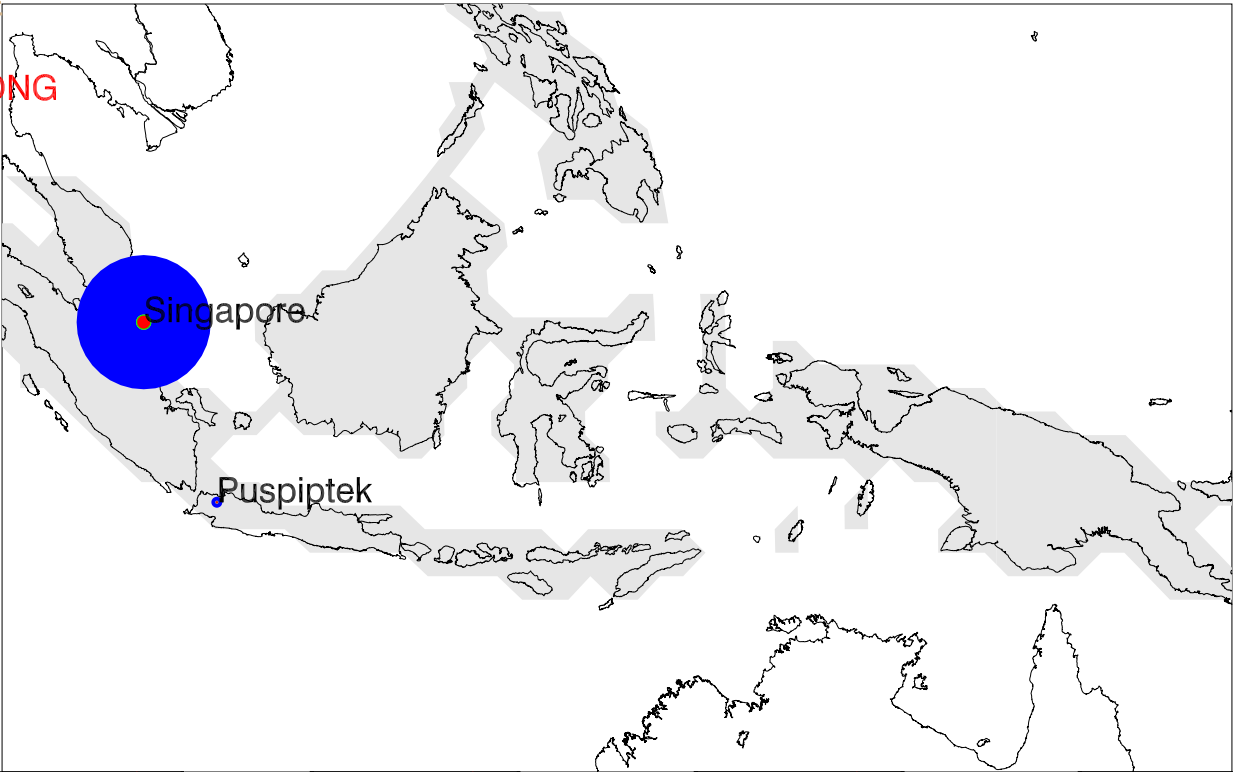
A

2.50S 121.50E Insular Southeast Asia

AERONET AOD: N= 99 $\overline{\tau}$ =0.34 eta=0.61

MODIS τ

- RAW
- BASE
- NEW
- STRONG



AERONET			AERONET			AERONET			AERONET	
Which		MODIS AOD	MODIS-AERONET			% -/in/+			Regression	
		Mean	>0.2	>1.0	Mean Bias	RMSE	Tolerance		Slope	r ²
RAW	(N= 133)	0.372	0.84	0.02	0.024	0.190	12/55/31		0.863	0.47
BASE	(N= 17)	0.329	0.53	0.00	-0.042	0.138	23/70/ 5		0.889	0.70
NEW	(N= 16)	0.320	0.62	0.00	-0.003	0.119	6/81/12		0.959	0.66
CLIM	(N= 11)	0.365	0.64	0.00	-0.016	0.177	18/72/ 9		0.896	0.34
AERONET AOD > 0.2										
RAW	(N= 102)	0.419	0.96	0.02	0.009	0.203	15/53/30		0.849	0.47
BASE	(N= 12)	0.424	0.75	0.00	-0.034	0.157	16/75/ 8		0.889	0.70
NEW	(N= 11)	0.401	0.82	0.00	0.005	0.140	9/72/18		0.954	0.63
CLIM	(N= 9)	0.418	0.78	0.00	-0.012	0.195	22/66/11		0.896	0.34

Which	Noise	vs τ_A		vs τ_M		Est.@	Est.@	Est.@	Est.@	Est.@
	Floor	Diagnostic		Prognostic		0.1	0.2	0.4	0.6	1.0
RAW	0.139	0.02	+ 0.27 τ	-0.04	+ 0.44 τ	0.14	0.14	0.14	0.22	0.40
BASE	0.074	*****	+ ***** τ	*****	+ ***** τ	0.07	0.07	0.07	0.07	0.07
NEW	0.049	*****	+ ***** τ	*****	+ ***** τ	0.05	0.05	0.05	0.05	0.05
CLIM	0.044	*****	+ ***** τ	*****	+ ***** τ	0.04	0.04	0.04	0.04	0.04