

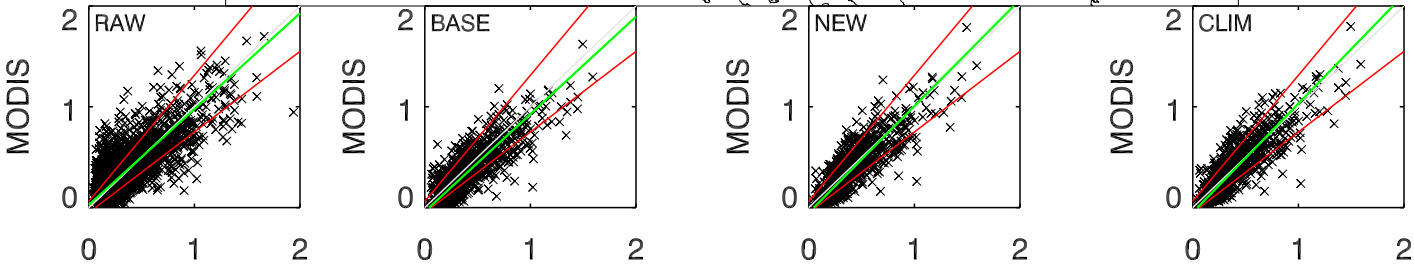
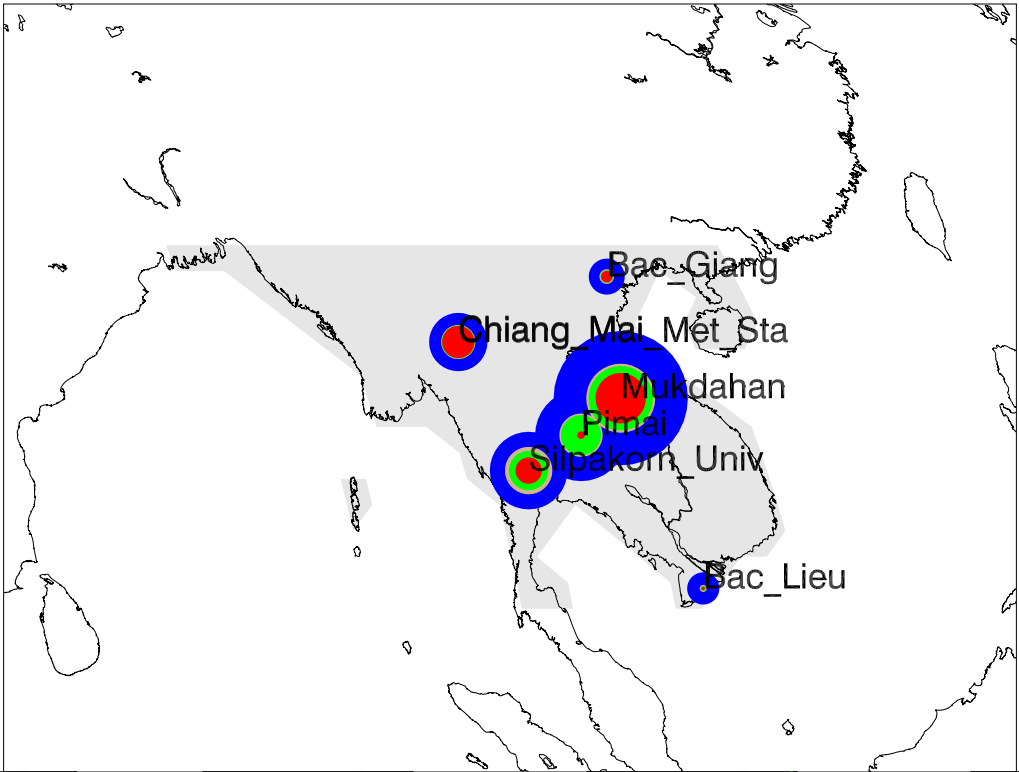
A

17.50N 102.00E Peninsular Sout

AERONET AOD: N= 1780 $\overline{\tau}$ =0.42 eta=0.66

MODIS τ

- RAW
- BASE
- NEW
- STRONG



Which	AERONET		AERONET			AERONET			AERONET	
	MODIS	AOD	MODIS-AERONET			% -/in/+		Regression		
		Mean	>0.2	>1.0	Mean	Bias	RMSE	Tolerance	Slope	r ²
RAW	(N= 1721)	0.414	0.77	0.04	0.006		0.199	21/51/27	0.928	0.48
BASE	(N= 860)	0.361	0.68	0.02	-0.054		0.158	30/57/12	0.879	0.60
NEW	(N= 778)	0.386	0.69	0.03	-0.027		0.144	25/62/12	0.952	0.61
CLIM	(N= 779)	0.398	0.70	0.03	-0.015		0.145	22/63/14	0.979	0.61
AERONET AOD > 0.2										
RAW	(N= 1278)	0.475	0.86	0.05	-0.028		0.199	24/57/18	0.909	0.49
BASE	(N= 686)	0.421	0.81	0.03	-0.065		0.167	30/59/10	0.875	0.60
NEW	(N= 630)	0.450	0.82	0.03	-0.027		0.155	23/63/13	0.950	0.60
CLIM	(N= 629)	0.464	0.84	0.04	-0.013		0.155	20/63/15	0.976	0.61

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	0.199	0.08	+ 0.13 τ	0.07	+ 0.18 τ	0.20	0.20	0.20	0.20	0.25
BASE	0.115	0.06	+ 0.15 τ	0.08	+ 0.10 τ	0.11	0.11	0.12	0.14	0.18
NEW	0.087	0.07	+ 0.12 τ	0.05	+ 0.13 τ	0.09	0.09	0.10	0.13	0.18
CLIM	0.092	0.08	+ 0.09 τ	0.06	+ 0.11 τ	0.09	0.09	0.11	0.13	0.17