

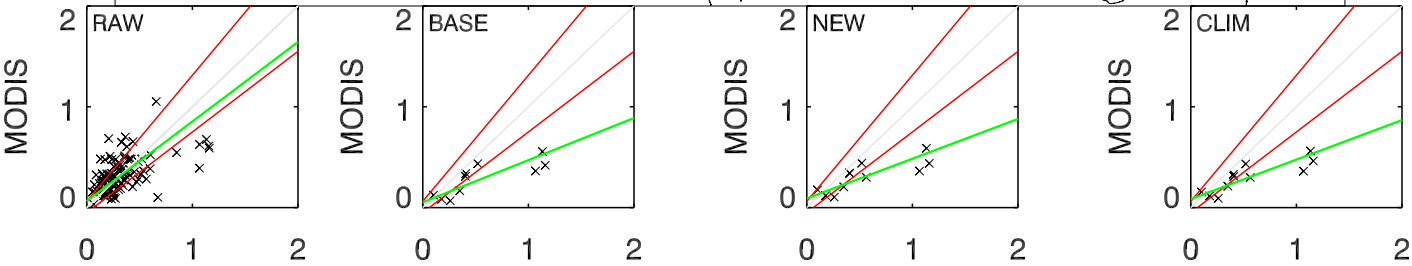
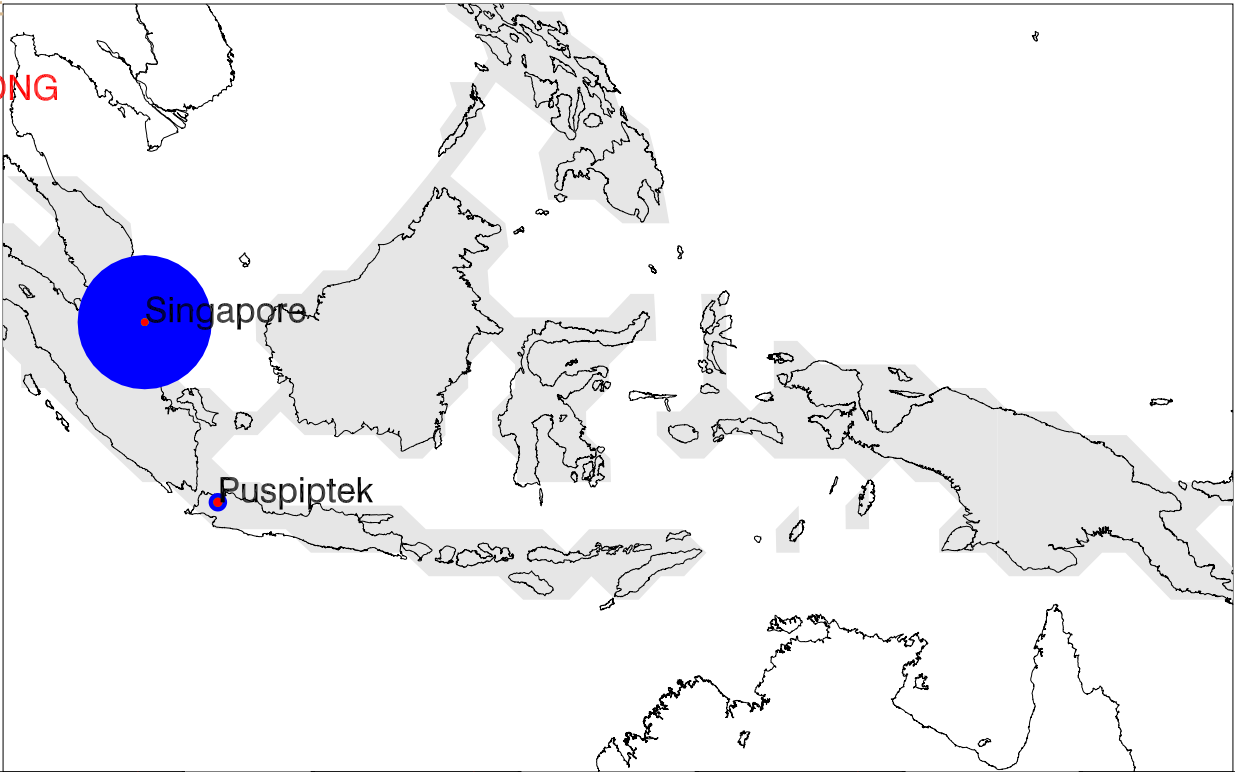
T

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= 99)	0.335	0.78	0.01	-0.007	0.202	24/47/28		0.829	0.23	
BASE	(N= 10)	0.286	0.60	0.00	-0.272	0.385	60/40/ 0		0.456	0.36	
NEW	(N= 11)	0.311	0.73	0.00	-0.248	0.364	54/36/ 9		0.480	0.47	
CLIM	(N= 11)	0.303	0.73	0.00	-0.256	0.364	54/45/ 0		0.476	0.57	
AERONET AOD > 0.2											
RAW	(N= 76)	0.367	0.84	0.01	-0.037	0.216	31/48/19		0.805	0.19	
BASE	(N= 8)	0.332	0.75	0.00	-0.331	0.429	62/37/ 0		0.456	0.36	
NEW	(N= 9)	0.347	0.89	0.00	-0.305	0.401	66/33/ 0		0.480	0.47	
CLIM	(N= 9)	0.340	0.89	0.00	-0.312	0.402	66/33/ 0		0.476	0.57	
	Noise	vs τ_A			vs τ_M		Est.@	Est.@	Est.@	Est.@	Est.@
Which	Floor	Diagnostic			Prognostic		0.1	0.2	0.4	0.6	1.0
RAW	0.144	*****	+	***** τ	*****	+	***** τ	0.14	0.14	0.14	0.14
BASE	0.069	*****	+	***** τ	*****	+	***** τ	0.07	0.07	0.07	0.07
NEW	0.067	*****	+	***** τ	*****	+	***** τ	0.07	0.07	0.07	0.07
CLIM	0.058	*****	+	***** τ	*****	+	***** τ	0.06	0.06	0.06	0.06