

T

38.50N 103.50E East Asia Mid-L

AERONET AOD: N= 5386  $\overline{\tau}$ =0.43 eta=0.60

MODIS  $\tau$

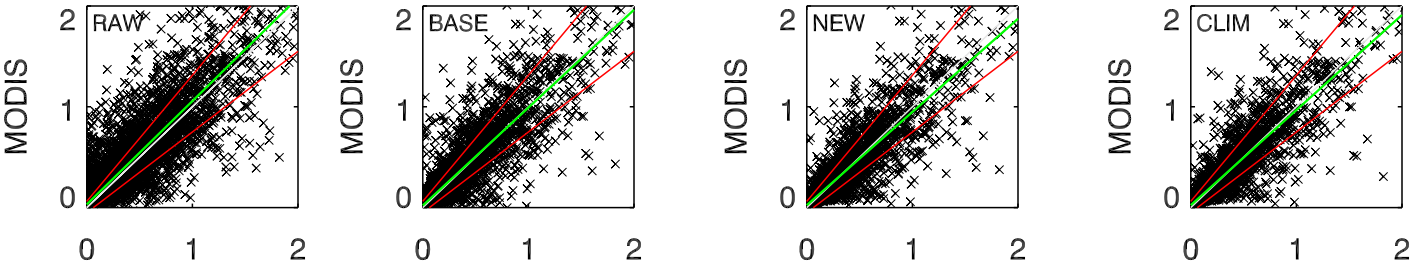
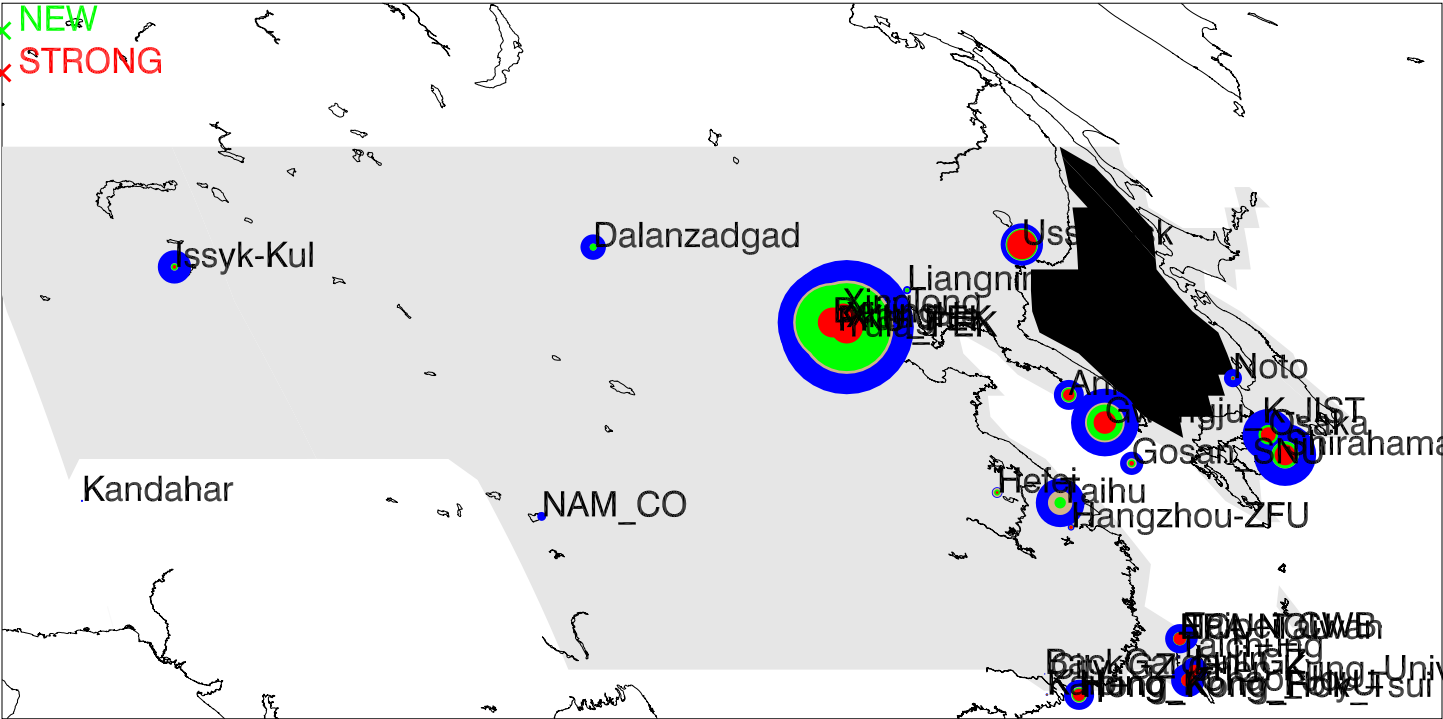
- x

RAW
- x

BASE
- x

NEW
- x

STRONG



AERONET			AERONET			AERONET			AERONET	
Which		MODIS AOD	MODIS-AERONET			% -/in/+			Regression	
		Mean	>0.2	>1.0	Mean Bias	RMSE	Tolerance		Slope	r <sup>2</sup>
RAW	(N= 5385)	0.475	0.70	0.11	0.042	0.251	11/59/28		0.971	0.51
BASE	(N= 2842)	0.464	0.65	0.11	0.008	0.248	15/63/21		0.932	0.50
NEW	(N= 2604)	0.431	0.62	0.09	-0.009	0.235	13/69/16		0.890	0.50
CLIM	(N= 2476)	0.435	0.63	0.09	-0.000	0.223	12/70/17		0.926	0.54
AERONET AOD > 0.2										
RAW	(N= 3447)	0.636	0.91	0.16	0.023	0.290	16/60/23		0.958	0.48
BASE	(N= 1917)	0.616	0.87	0.16	-0.004	0.289	19/59/20		0.926	0.48
NEW	(N= 1714)	0.582	0.86	0.14	-0.027	0.283	19/63/17		0.885	0.47
CLIM	(N= 1623)	0.587	0.87	0.14	-0.018	0.266	17/65/16		0.920	0.52
	Noise	vs $\tau_A$		vs $\tau_M$		Est.@	Est.@	Est.@	Est.@	Est.@
Which	Floor	Diagnostic		Prognostic		0.1	0.2	0.4	0.6	1.0
RAW	0.159	0.05 +	0.22 $\tau$	0.04 +	0.24 $\tau$	0.16	0.16	0.16	0.18	0.28
BASE	0.129	0.05 +	0.21 $\tau$	0.02 +	0.25 $\tau$	0.13	0.13	0.13	0.17	0.27
NEW	0.087	0.04 +	0.22 $\tau$	0.02 +	0.24 $\tau$	0.09	0.09	0.12	0.17	0.27
CLIM	0.097	0.04 +	0.21 $\tau$	0.02 +	0.22 $\tau$	0.10	0.10	0.11	0.16	0.25