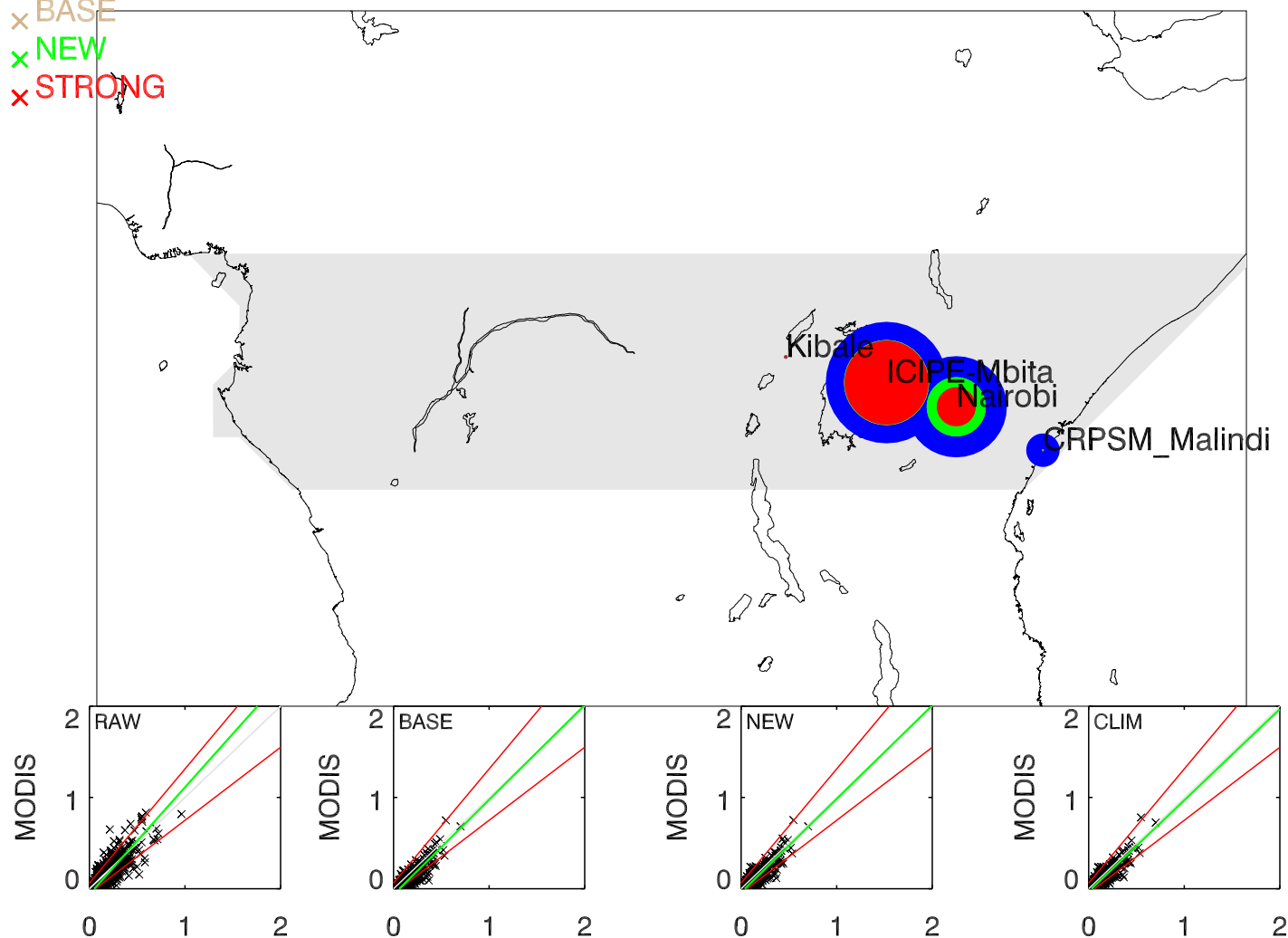


T 0.50N 26.50E Equatorial Africa

AERONET AOD: N= 691 $\bar{\tau}$ =0.19 eta=0.48

MODIS τ

- x RAW
- x BASE
- x NEW
- x STRONG



Which		MODIS AOD			MODIS-AERONET		% -/in/+		Regression	
		Mean	>0.2	>1.0	Mean Bias	RMSE	Tolerance		Slope	r ²
RAW	(N= 691)	0.166	0.32	0.00	-0.027	0.087	22/68/ 8		1.001	0.46
BASE	(N= 398)	0.118	0.17	0.00	-0.057	0.081	29/69/ 1		0.900	0.59
NEW	(N= 397)	0.138	0.20	0.00	-0.037	0.068	19/79/ 1		0.933	0.59
CLIM	(N= 391)	0.143	0.21	0.00	-0.031	0.064	12/85/ 2		0.937	0.61
AERONET AOD > 0.2										
RAW	(N= 256)	0.285	0.71	0.00	-0.028	0.112	19/70/ 9		0.980	0.43
BASE	(N= 120)	0.226	0.54	0.00	-0.076	0.107	31/67/ 0		0.895	0.60
NEW	(N= 117)	0.245	0.60	0.00	-0.058	0.092	26/72/ 0		0.921	0.62
CLIM	(N= 114)	0.248	0.63	0.00	-0.055	0.088	21/77/ 0		0.923	0.64

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	0.069	0.03 +	0.17 τ	-0.00 +	0.26 τ	0.07	0.07	0.10	0.15	0.26
BASE	0.067	0.03 +	0.18 τ	***** +	***** τ	0.07	0.07	0.07	0.07	0.07
NEW	0.055	0.06 +	0.05 τ	***** +	***** τ	0.06	0.06	0.06	0.06	0.06
CLIM	0.050	0.03 +	0.13 τ	***** +	***** τ	0.05	0.05	0.05	0.05	0.05