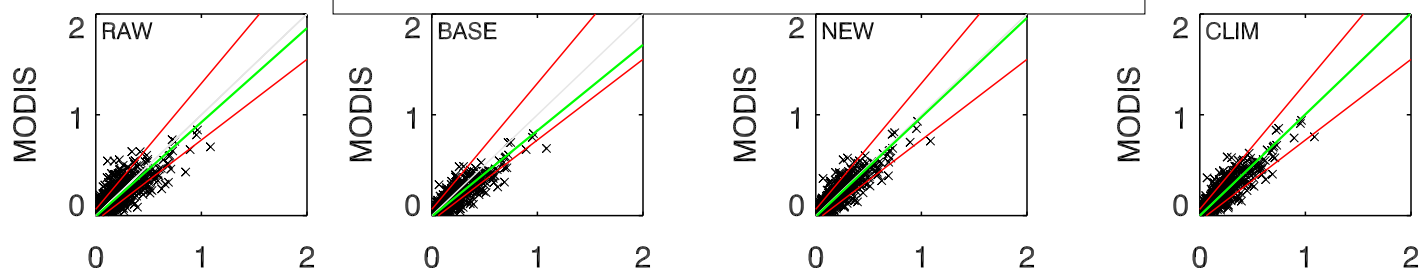
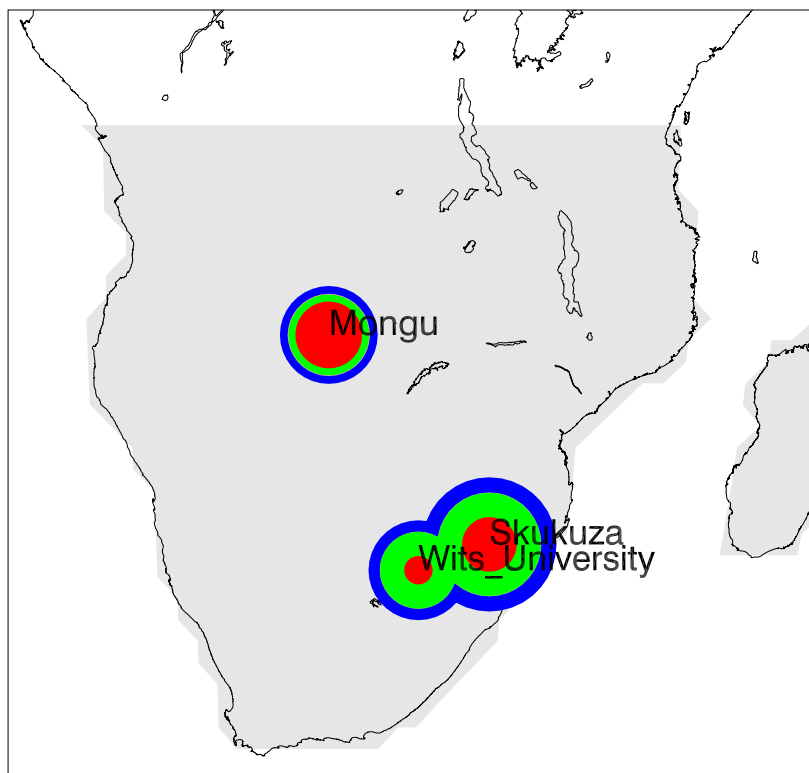


T 17.50S 26.50E Africa below equ
AERONET AOD: N= 1331 $\bar{\tau}$ =0.16 eta=0.64

MODIS τ

x RAW
x BASE
x NEW
x STRONG



Which		MODIS AOD			MODIS-AERONET		% -/in/+ Tolerance	Regression	
		Mean	>0.2	>1.0	Mean Bias	RMSE		Slope	r ²
RAW	(N= 1330)	0.142	0.23	0.00	-0.018	0.079	12/79/ 7	0.884	0.41
BASE	(N= 1057)	0.130	0.19	0.00	-0.033	0.071	11/85/ 2	0.823	0.61
NEW	(N= 1046)	0.151	0.24	0.00	-0.012	0.063	5/89/ 4	0.958	0.66
CLIM	(N= 1038)	0.163	0.28	0.00	-0.000	0.061	4/88/ 7	1.000	0.68
AERONET AOD > 0.2									
RAW	(N= 351)	0.279	0.69	0.00	-0.055	0.118	22/72/ 5	0.850	0.44
BASE	(N= 285)	0.263	0.64	0.00	-0.071	0.113	23/74/ 2	0.812	0.61
NEW	(N= 282)	0.309	0.77	0.00	-0.026	0.093	11/82/ 5	0.941	0.66
CLIM	(N= 282)	0.324	0.80	0.00	-0.011	0.090	8/81/ 9	0.978	0.67

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	0.060	0.01 +	0.23 τ	0.00 +	0.28 τ	0.06	0.06	0.12	0.17	0.29
BASE	0.046	0.01 +	0.23 τ	0.02 +	0.20 τ	0.05	0.06	0.10	0.14	0.22
NEW	0.047	0.02 +	0.14 τ	0.03 +	0.11 τ	0.05	0.05	0.07	0.10	0.14
CLIM	0.046	0.03 +	0.12 τ	0.02 +	0.15 τ	0.05	0.05	0.08	0.11	0.16