

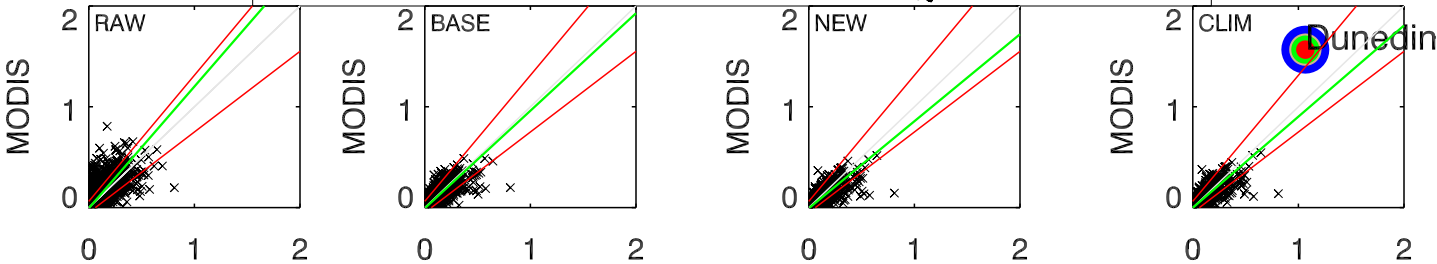
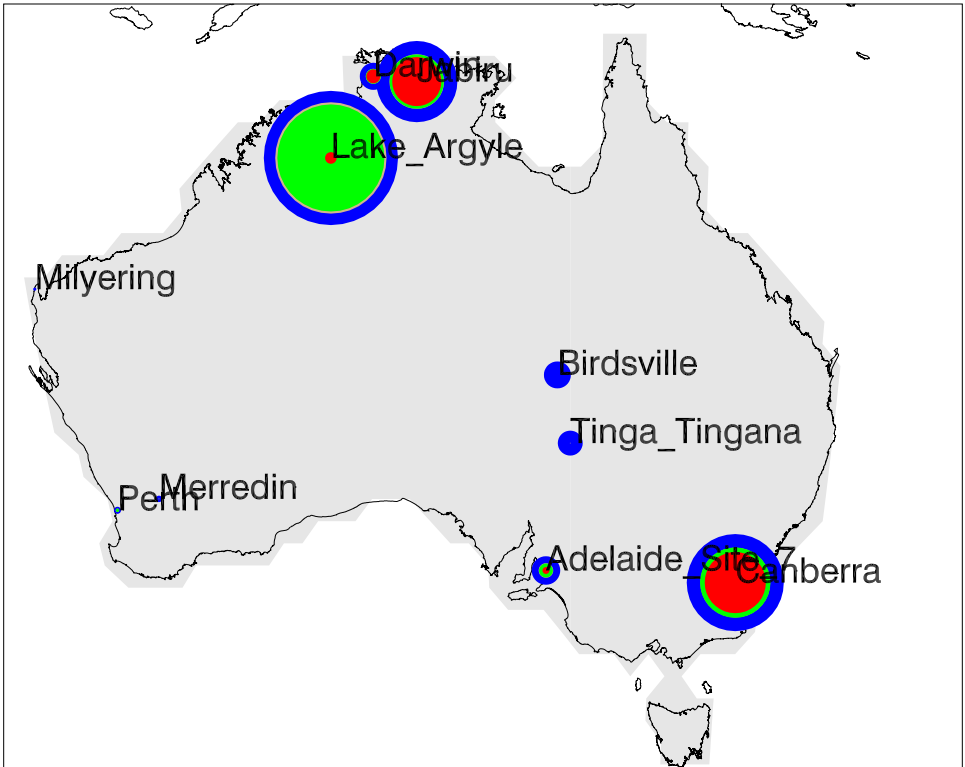
T

26.50S 137.50E Australian Conti

AERONET AOD: N= 3094 $\bar{\tau}$ =0.09 eta=0.50

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= 3091)	0.099	0.15	0.00	0.012	0.081	10/72/17	1.154	0.09
BASE	(N= 1932)	0.077	0.08	0.00	-0.010	0.057	7/86/ 5	0.993	0.29
NEW	(N= 1867)	0.067	0.06	0.00	-0.019	0.055	7/90/ 2	0.890	0.22
CLIM	(N= 1849)	0.075	0.07	0.00	-0.010	0.052	4/91/ 3	0.932	0.24
AERONET AOD > 0.2									
RAW	(N= 304)	0.267	0.69	0.00	-0.026	0.127	24/63/12	0.998	0.10
BASE	(N= 169)	0.231	0.58	0.00	-0.063	0.126	32/62/ 5	0.905	0.21
NEW	(N= 163)	0.209	0.48	0.00	-0.087	0.139	36/63/ 0	0.841	0.21
CLIM	(N= 154)	0.227	0.56	0.00	-0.070	0.131	33/65/ 1	0.868	0.19

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	0.074	-0.03	+ 0.42 τ	-0.03	+ 0.54 τ	0.07	0.07	0.18	0.29	0.50
BASE	0.045	-0.05	+ 0.51 τ	0.03	+ 0.17 τ	0.05	0.06	0.10	0.13	0.20
NEW	0.039	-0.10	+ 0.68 τ	0.05	+ 0.11 τ	0.06	0.07	0.09	0.12	0.16
CLIM	0.037	-0.08	+ 0.58 τ	0.05	+ 0.11 τ	0.06	0.07	0.09	0.11	0.16