

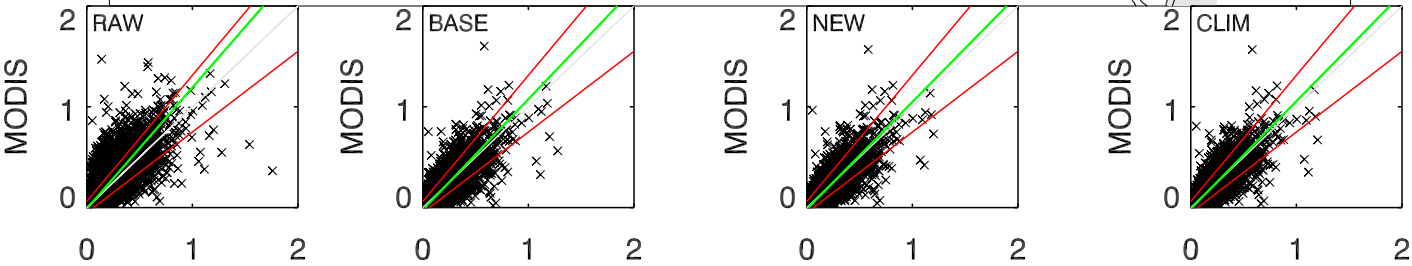
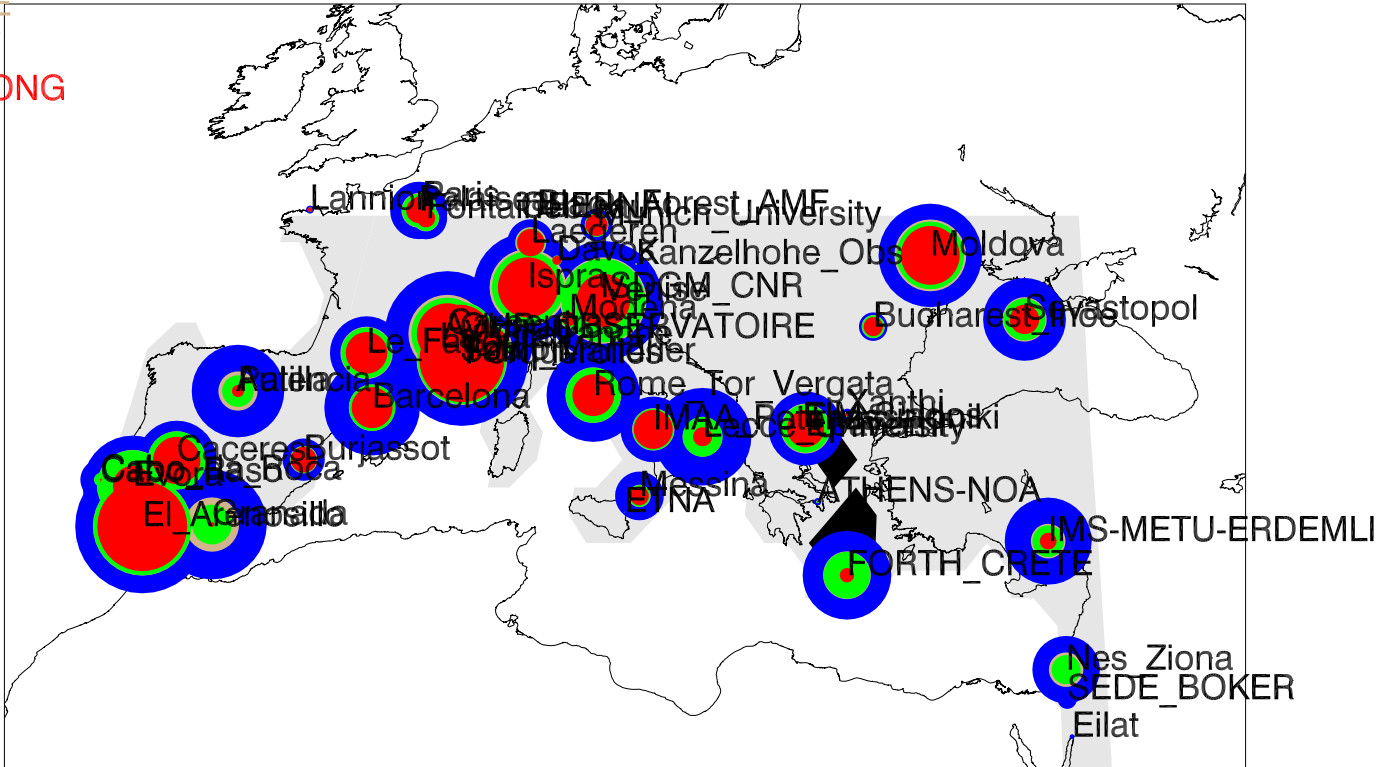
T

42.50N 18.50E Europe – Mediter

AERONET AOD: N= 18598 $\bar{\tau}$ =0.17 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= 18592)	0.187	0.37	0.00	0.021	0.101	7/72/19	1.127	0.37	
BASE	(N= 11081)	0.157	0.28	0.00	-0.007	0.079	9/80/ 9	1.027	0.47	
NEW	(N= 10564)	0.159	0.27	0.00	-0.005	0.074	7/84/ 7	1.013	0.48	
CLIM	(N= 10472)	0.164	0.29	0.00	-0.001	0.073	6/85/ 8	1.024	0.48	
AERONET AOD > 0.2										
RAW	(N= 5326)	0.332	0.82	0.01	0.012	0.134	12/70/17	1.059	0.36	
BASE	(N= 3160)	0.296	0.74	0.00	-0.020	0.116	17/73/ 9	0.992	0.45	
NEW	(N= 3019)	0.295	0.75	0.00	-0.021	0.112	14/76/ 9	0.984	0.47	
CLIM	(N= 3029)	0.301	0.77	0.00	-0.014	0.109	12/77/ 9	0.993	0.47	
	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	0.084	0.02 +	0.23 τ	-0.02 +	0.37 τ	0.08	0.08	0.13	0.20	0.35
BASE	0.058	0.01 +	0.24 τ	-0.00 +	0.26 τ	0.06	0.06	0.10	0.15	0.26
NEW	0.051	-0.00 +	0.26 τ	-0.01 +	0.28 τ	0.05	0.05	0.10	0.15	0.26
CLIM	0.052	0.00 +	0.25 τ	-0.01 +	0.26 τ	0.05	0.05	0.10	0.15	0.26