

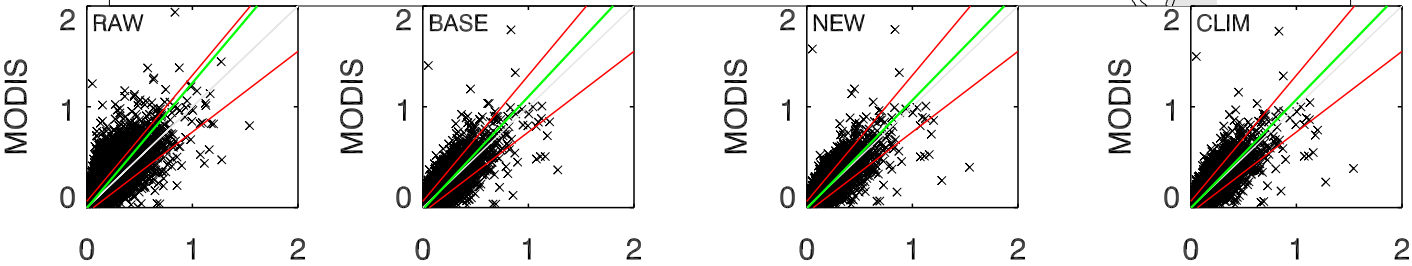
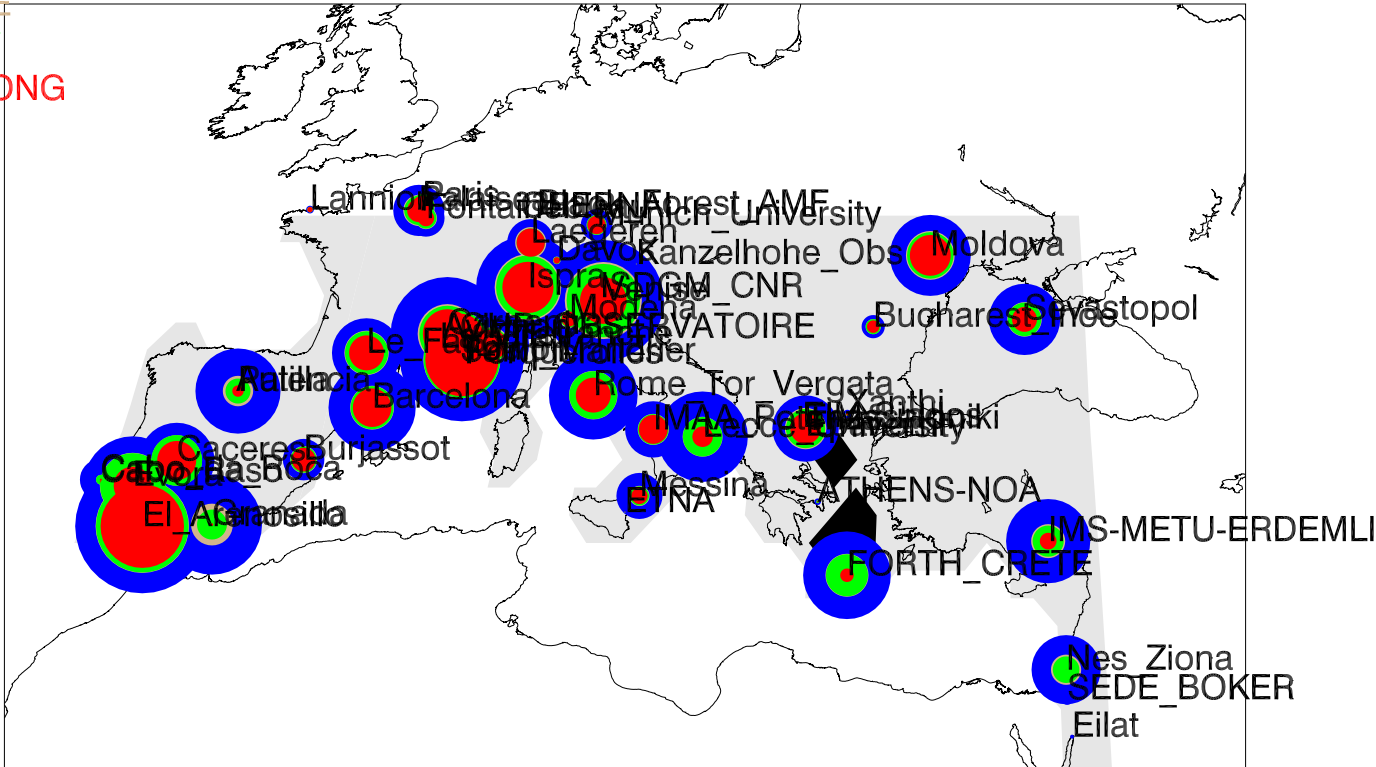
A

42.50N 18.50E Europe – Medite

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= 17085)	0.201	0.41	0.00	0.035	0.106	5/69/24	1.192	0.39	
BASE	(N= 9309)	0.168	0.32	0.00	0.001	0.083	7/80/11	1.055	0.47	
NEW	(N= 8900)	0.170	0.31	0.00	0.003	0.078	5/84/ 9	1.031	0.47	
CLIM	(N= 8857)	0.175	0.33	0.00	0.008	0.078	5/83/10	1.047	0.48	
AERONET AOD > 0.2										
RAW	(N= 4927)	0.350	0.85	0.01	0.033	0.137	8/67/23	1.113	0.37	
BASE	(N= 2696)	0.311	0.79	0.00	-0.006	0.119	13/73/12	1.013	0.43	
NEW	(N= 2576)	0.310	0.80	0.00	-0.007	0.117	12/76/11	0.996	0.43	
CLIM	(N= 2591)	0.315	0.82	0.00	-0.001	0.116	11/76/12	1.009	0.44	
	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	0.090	0.04 +	0.20 τ	-0.02 +	0.39 τ	0.09	0.09	0.14	0.22	0.37
BASE	0.062	0.00 +	0.27 τ	-0.01 +	0.29 τ	0.06	0.06	0.11	0.16	0.28
NEW	0.055	-0.01 +	0.31 τ	-0.01 +	0.28 τ	0.06	0.06	0.10	0.16	0.27
CLIM	0.056	-0.00 +	0.26 τ	-0.01 +	0.29 τ	0.06	0.06	0.10	0.16	0.28