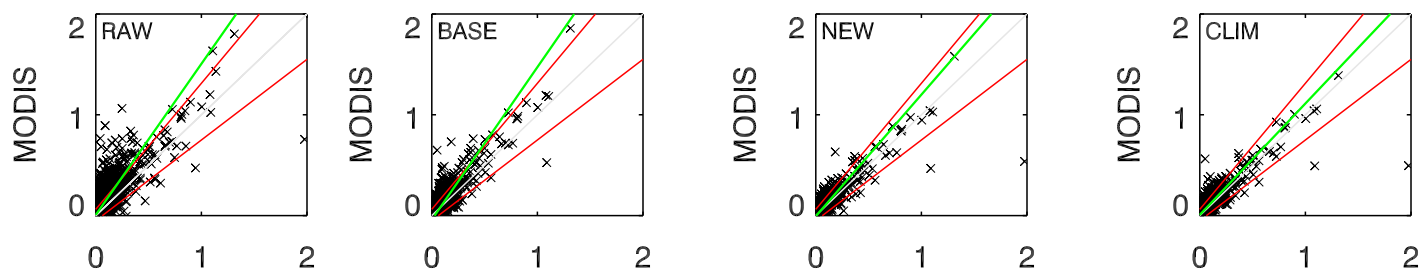
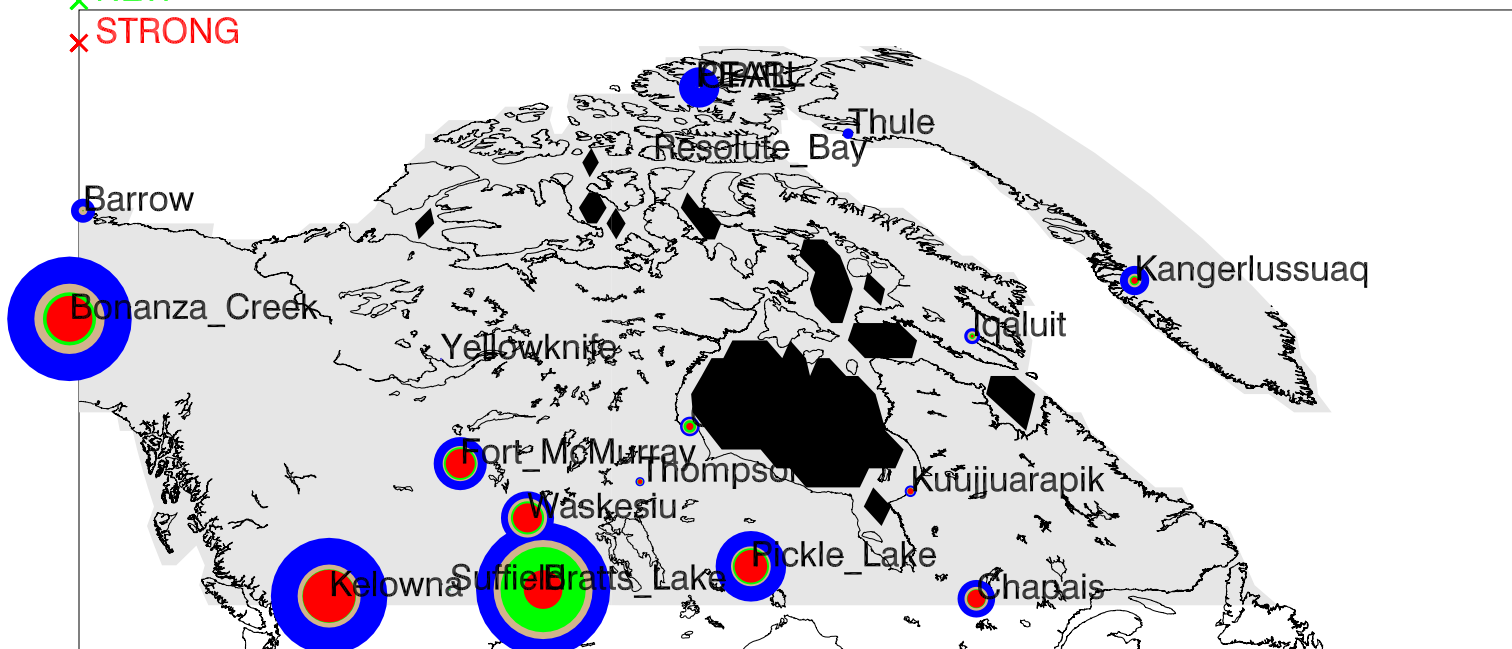


T 66.50N 90.50W N. American Bo
AERONET AOD: N= 2853 $\bar{\tau}$ =0.09 eta=0.63

MODIS τ

x RAW
x BASE
x NEW
x STRONG



Which	AERONET				AERONET				AERONET				AERONET			
	MODIS AOD				MODIS-AERONET				% -/in/+				Regression			
	Mean		>0.2	>1.0	Mean Bias	RMSE			Tolerance	Slope	r ²					
RAW	(N= 2850)	0.145	0.22	0.01	0.053	0.129	3/60/35	1.257	0.49							
BASE	(N= 1574)	0.108	0.12	0.01	0.010	0.105	3/84/12	1.184	0.70							
NEW	(N= 1286)	0.115	0.11	0.00	0.014	0.099	2/84/12	0.889	0.61							
CLIM	(N= 1348)	0.123	0.12	0.00	0.018	0.079	1/83/15	0.923	0.64							
AERONET AOD > 0.2																
RAW	(N= 205)	0.484	0.89	0.07	0.100	0.278	8/56/35	1.089	0.44							
BASE	(N= 116)	0.460	0.83	0.07	0.062	0.227	11/67/21	1.113	0.74							
NEW	(N= 99)	0.428	0.81	0.05	-0.000	0.235	13/74/12	0.844	0.53							
CLIM	(N= 111)	0.418	0.80	0.05	0.001	0.217	9/79/10	0.875	0.58							

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	0.109	-0.09	+	0.68 τ		0.06	+	0.33 τ		0.11	0.12	0.19	0.25	0.38
BASE	0.089	-0.04	+	0.42 τ		0.09	+	0.09 τ		0.10	0.10	0.12	0.14	0.18
NEW	0.078	-0.03	+	0.29 τ		0.07	+	0.06 τ		0.08	0.09	0.10	0.11	0.13
CLIM	0.051	-0.00	+	0.21 τ		0.06	+	0.10 τ		0.07	0.08	0.10	0.12	0.16