

S3 Table: Slopes and intercepts for monthly T_{\min} and T_{\max} distribution metrics using the modeled SNOTEL + COOP data, 1948 – 2012. We used the non-parametric Theil-Sen estimator to calculate the slopes of these descriptive metrics as a function of time (i.e., trend) and the Mann-Kendall test to test if the slopes were significantly different than zero. Only metrics with $p < 0.11$ are shown.

Month	Metric	T_{\min}			T_{\max}		
		Slope	Intercept	p	Slope	Intercept	p
January	25 th	0.042	-16.917	0.019	0.046	-7.074	0.001
	50 th	0.044	-14.835	0.008	0.049	-5.825	0.000
	75 th	0.046	-12.973	0.006	0.049	-4.008	0.001
	Mean	0.043	-14.706	0.016	0.048	-5.378	0.001
	Skewness				0.004	0.900	0.105
February	25 th				0.023	-4.005	0.083
	50 th				0.022	-2.479	0.098
	Skewness	-0.006	0.450	0.003			
	Kurtosis	-0.008	0.292	0.012			
March	25 th	0.063	-13.169	0.000	0.062	-1.654	0.000
	50 th	0.063	-11.991	0.000	0.062	-0.119	0.000
	75 th	0.055	-9.650	0.000	0.064	1.755	0.000
	Mean	0.060	-11.484	0.000	0.063	0.161	0.000
	Skewness				0.002	0.708	0.101
April	25 th	0.015	-7.252	0.062	0.026	3.895	0.028
	50 th	0.018	-5.983	0.039	0.024	5.588	0.053
	75 th	0.013	-4.324	0.085	0.028	7.658	0.034
	Mean	0.016	-5.575	0.068	0.025	6.255	0.037
May	Skewness	-0.002	1.224	0.085	0.001	0.506	0.051
	Kurtosis	-0.010	1.428	0.001			
	Variance				0.018	8.787	0.029
June	75 th				0.024	18.637	0.042
	Skewness	-0.003	1.434	0.004			
	Kurtosis	-0.016	2.042	0.000			
	Variance	0.006	5.143	0.075	0.018	9.771	0.014
July	25 th	0.013	4.169	0.017	0.022	19.308	0.046
	50 th	0.016	5.503	0.014	0.021	21.275	0.049
	75 th	0.019	6.972	0.006	0.031	23.844	0.007
	Mean	0.016	6.111	0.012	0.024	21.781	0.023
	Skewness	-0.003	1.235	0.024			
	Kurtosis	-0.009	1.244	0.037	-0.003	-0.369	0.010
	Variance	0.014	6.095	0.029	0.014	11.142	0.009

Month	Metric	T _{min}		T _{max}		Slope	Intercept	p
		Slope	Intercept	p	Slope			
August	25 th	0.011	3.402	0.092	0.018	18.762	0.056	
	50 th	0.015	4.909	0.048	0.022	20.740	0.037	
	75 th	0.015	6.647	0.029	0.031	23.198	0.004	
	Mean	0.015	5.119	0.048	0.023	21.208	0.025	
	Skewness	-0.005	1.185	0.001	-0.001	0.404	0.038	
	Kurtosis	-0.014	1.402	0.001	-0.003	-0.460	0.003	
	Variance				0.009	11.099	0.103	
September	50 th	0.013	0.954	0.054				
	75 th	0.016	2.356	0.036	0.025	18.290	0.096	
	Mean	0.011	1.226	0.054				
	Skewness	-0.005	1.087	0.001				
	Kurtosis	-0.013	1.374	0.000	-0.004	-0.543	0.000	
	Variance				0.023	8.925	0.000	
October	Kurtosis	-0.010	1.428	0.001	-0.003	-0.456	0.011	