

	Multi-sensor reanalysis (MSR-2)			Composite satellite data (SAT)		
	400–600 K	475 K	550 K	400–600 K	475 K	550 K
R^2	0.95	0.94	0.94	0.96	0.94	0.94
Trend before 2001	-5.81 ± 0.60	-5.55 ± 0.66	-5.63 ± 0.77	-5.86 ± 0.57	-5.57 ± 0.64	-5.64 ± 0.65
Trend after 2001	1.42 ± 0.92	1.73 ± 1.01	1.58 ± 1.02	1.70 ± 0.87	1.96 ± 0.99	1.79 ± 0.99
χ	9.67	10.65	10.77	9.21	10.39	10.46
Only with GRAD, HF and PWT						
R^2	0.94	0.93	0.93	0.95	0.93	0.93
Trend before 2001	-5.86 ± 0.56	-5.71 ± 0.64	-5.67 ± 0.64	-5.93 ± 0.56	-5.75 ± 0.66	-5.70 ± 0.63
Trend after 2001	1.21 ± 0.83	1.42 ± 0.95	1.35 ± 0.94	1.40 ± 0.83	1.56 ± 0.97	1.47 ± 0.93
χ	9.35	10.68	10.65	9.35	10.84	10.55
Only with HF and PWT						
R^2	0.87	0.82	0.86	0.88	0.83	0.87
Trend before 2001	-5.89 ± 0.84	-5.74 ± 0.98	-5.70 ± 0.86	-5.96 ± 0.82	-5.78 ± 1.00	-5.72 ± 0.84
Trend after 2001	1.45 ± 1.24	1.70 ± 1.45	1.57 ± 1.27	1.63 ± 1.21	1.82 ± 1.47	1.68 ± 1.24
χ	14.06	16.40	14.39	13.71	16.18	14.03