

## Multi-sensor reanalysis (MSR-2)

	400–600 K	475 K	550 K
$R^2$	0.92	0.90	0.92
Trend before 2001	$-5.31 \pm 0.67$	$-4.90 \pm 0.74$	$-5.23 \pm 0.68$
Trend after 2001	$1.84 \pm 1.03$	$2.36 \pm 1.16$	$1.92 \pm 1.07$
$\chi$	10.74	12.02	11.12
Only with GRAD, HF and PWT			
$R^2$	0.91	0.89	0.89
Trend before 2001	$-5.32 \pm 0.64$	$-5.00 \pm 0.71$	$-5.21 \pm 0.70$
Trend after 2001	$1.91 \pm 0.94$	$2.26 \pm 1.04$	$2.00 \pm 1.04$
$\chi$	10.61	11.82	11.71
Only with HF and PWT			
$R^2$	0.84	0.77	0.82
Trend before 2001	$-5.34 \pm 0.84$	$-4.79 \pm 0.97$	$-5.23 \pm 0.89$
Trend after 2001	$2.04 \pm 1.24$	$2.83 \pm 1.48$	$2.13 \pm 1.31$
$\chi$	14.04	16.03	14.81