

Table S1. Standard unit root tests applied to global temperature simulations and radiative forcing series. The entries show the test statistic value of the corresponding unit root/stationarity test. The lag length is given in parentheses. The model specification includes a constant and a linear trend. Figures in bold indicate that the test statistic is significant at the 5% level.

Series	ADF	DF-GLS	KPSS	ERS-PO	Ng-Perron	
CCCMA	1.2286 (5)	0.3160 (4)	0.3556	191.8251 (5)	0.7635 (MZa)	(3)
					0.3572 (MZt)	
					0.4679 (MSB)	
					59.109 (MPT)	
ECHAM5 MPI 1	-1.5503 (7)	-1.1852 (7)	0.3362	32.0253 (7)	-2.6775 (MZa)	(7)
					-1.0730 (MZt)	
					0.4007 (MSB)	
					31.285 (MPT)	
ECHAM5MPI 2	-0.9211 (11)	-1.1370 (11)	0.2726	29.1359 (11)	-0.1321 (MZa)	(7)
					-0.2265 (MZt)	
					1.7139 (MSB)	
					538.580 (MPT)	
ECHAM5 MPI 3	-1.2011 (9)	-1.2635 (9)	0.2852	35.6076 (9)	-2.1167 (MZa)	(11)
					-0.9619 (MZt)	
					0.4544 (MSB)	
					39.445 (MPT)	
ECHAM5 MPI 4	-4.7074 (2)	-2.2816 (5)	0.2279	4.1871 (2)	-1.1700 (MZa)	(12)
					-0.5147 (MZt)	
					0.4399 (MSB)	
					43.147 (MPT)	
HADLEY CM3 1	-2.7749 (2)	-2.8283 (2)	0.2936	6.1165 (2)	-3.12956 (MZa)	(10)
					-1.16178 (MZt)	
					0.37123 (MSB)	
					27.0944 (MPT)	
HADLEY CM3 2	-0.3803 (7)	-0.4268 (7)	0.3192	52.0889 (7)	-1.6343 (MZa)	(7)
					-0.6939 (MZt)	
					0.4246 (MSB)	
					38.7708 (MPT)	
GFDL CM2.0 1	-2.1086 (3)	-1.8418 (3)	0.1570	12.7112 (3)	-7.6997 (MZa)	(3)
					-1.8047 (MZt)	
					0.2344 (MSB)	
					12.2293 (MPT)	
GFDL CM21 1	-2.4141 (4)	-2.1679 (4)	0.1147	12.1291 (4)	-4.5621 (MZa)	(7)
					-1.3217 (MZt)	
					0.2897 (MSB)	
					18.6679 (MPT)	
GFDL CM21 2	-3.8855 (2)	-3.7399 (2)	0.0748	3.9746 (2)	-10.511 (MZa)	(7)
					-2.1926 (MZt)	
					0.2086 (MSB)	
					9.1576 (MPT)	
GFDL CM21 3	-3.4215 (3)	-2.6597 (3)	0.1014	6.7365 (3)	-10.462 (MZa)	(4)
					-2.2831 (MZt)	
					0.2182 (MSB)	
					8.7303 (MPT)	
GISS AOM 1	-0.4115	-0.6654	0.3031	73.7630	-0.7532 (MZa)	(5)

	(5)	(3)		(5)	-0.3639	(MZt)	
					0.4831	(MSB)	
					51.866	(MPT)	
GISS AOM 2	-3.9531	-2.5734	0.2048	5.7746	-2.7044	(MZa)	(6)
	(0)	(1)		(0)	-0.80368	(MZt)	
					0.29718	(MSB)	
					23.615	(MPT)	
IPSL	-0.7816	-0.0531	0.3023	128.1323	-0.0015	(MZa)	(8)
	(8)	(8)		(8)	-0.0009	(MZt)	
					0.6337	(MSB)	
					87.555	(MPT)	
TRF	-2.7258	-2.2095	0.3203	0.0966	-6.5087	(MZa)	(9)
	(5)	(11)		(12)	-1.7097	(MZt)	
					0.2627	(MSB)	
					14.040	(MPT)	
WM_GHG	-2.7440	-2.8414	0.3387	4.6058	-198.70	(MZa)	(11)
	(7)	(7)		(8)	-9.9324	(MZt)	
					0.0500	(MSB)	
					0.5569	(MPT)	
SOLAR	0.6108	-0.8866	0.2674	125.9262	-0.1105	(MZa)	(8)
	(8)	(9)		(8)	-0.0721	(MZt)	
					0.6522	(MSB)	
					90.547	(MPT)	