

	Base	E63H23	E61H22	Observed/multi-model mean
Shortwave net at TOA (W m^{-2})	245.1	239.5	237.4	240.0 ^a
Shortwave cloud radiative effect TOA (W m^{-2})	-42.5	-48.4	-49.5	-47.3 ^b
Longwave net at TOA (W m^{-2})	-240.5	-240.0	-238.3	239.0 ^a
Longwave cloud radiative effect TOA (W m^{-2})	21.4	23.2	25.1	26.2 ^b
Net cloud radiative effect TOA (W m^{-2})	-21.1	-25.3	-24.4	-21.1 ^b
Imbalance TOA (W m^{-2})	4.6	-0.5	-1.3	0.7 ^c
Total cloud cover (%)	63.5	66.2	61.1	68.0 ^d
Liquid water path (only for oceans; g m^{-2})	56.0	69.1	93.0	81.4 ^e
Ice water path (g m^{-2})	13.8	14.6	10.3	25.0 ^f
Water vapor path (kg m^{-2})	25.4	26.0	25.0	25.2 ^g
Total precipitation (mm d^{-1})	3.0	3.0	3.0	2.7 ^b
Sulfate burden (Tg)	1.83	2.33	1.92	1.99 ($\pm 25\%$) ^h
Black carbon burden (Tg)	0.15	0.14	0.15	0.24 ($\pm 42\%$) ^h
Particulate organic matter burden (Tg)	0.80	1.05	1.17	1.70 ($\pm 27\%$) ^h
Sea salt burden (Tg)	9.3	3.9	10.7	7.5 ($\pm 54\%$) ^h
Mineral dust burden (Tg)	20.9	18.8	13.7	19.2 ($\pm 40\%$) ^h