Data sheet: Table of physical parameters

Speed of light in vacuum	$c = 2.998 \times 10^{8}\ \mathrm{m\,s^{-1}}$
Planck's constant over 2π	$\hbar = 1.055 \times 10^{-34}\ \mathrm{J\,s}$
Gravitational constant	$G = 6.67 \times 10^{-11}\ \mathrm{m^3 kg^{-1} s^{-2}}$
Gravitational acceleration	$g = 9.82\ \mathrm{m\,s^{-2}}$
Elementary charge	$e = 1.602 \times 10^{-19}\ \mathrm{C}$
Electric permittivity of vacuum	$\varepsilon_0 = 8.854 \times 10^{-12}\ \mathrm{C^2\,J^{-1}\,m^{-1}}$
Electron mass	$m_e = 9.109 \times 10^{-31}\ \mathrm{kg}$
Avogadro constant	$N_\mathrm{A} = 6.022 \times 10^{23}\ \mathrm{mol^{-1}}$
Boltzmann constant	$k_\mathrm{B} = 1.381 \times 10^{-23}\ \mathrm{J\,K^{-1}}$
Stony meteorite, specific heat	$c_\mathrm{sm} = 1.2 \times 10^{3}\ \mathrm{J\,kg^{-1} K^{-1}}$
Stony meteorite, thermal conductivity	$k_\mathrm{sm} = 2.0\ \mathrm{W\,m^{-1}\,K^{-1}}$
Stony meteorite, density	$\rho_\mathrm{sm} = 3.3 \times 10^{3}\ \mathrm{kg\,m^{-3}}$
Stony meteorite, melting point	$T_\mathrm{sm} = 1.7 \times 10^{3}\ \mathrm{K}$
Stony meteorite, specific melting heat	$L_\mathrm{sm} = 2.6 \times 10^{5}\ \mathrm{J\,kg^{-1}}$
Silver, molar mass	$M_\mathrm{Ag} = 1.079 \times 10^{-1}\ \mathrm{kg\,mol^{-1}}$
Silver, density	$\rho_\mathrm{Ag} = 1.049 \times 10^{4}\ \mathrm{kg\,m^{-3}}$
Silver, specific heat capacity	$c_\mathrm{Ag} = 2.40 \times 10^{2}\ \mathrm{J\,kg^{-1} K^{-1}}$
Water, molar mass	$M_\mathrm{wa} = 1.801 \times 10^{-2}\ \mathrm{kg\,mol^{-1}}$
Water, density	$\rho_\mathrm{wa} = 0.998 \times 10^{3}\ \mathrm{kg\,m^{-3}}$
Water, specific heat capacity	$c_\mathrm{wa} = 4.181 \times 10^{3}\ \mathrm{J\,kg^{-1} K^{-1}}$
Water, heat of vaporization	$L_\mathrm{wa} = 2.260 \times 10^{6}\ \mathrm{J\,kg^{-1}}$
Water, boiling temperature	$T_{100} = 100\ ^\circ\mathrm{C} = 373.15\ \mathrm{K}$
Ice, density of glacier	$\rho_\mathrm{ice} = 0.917 \times 10^{3}\ \mathrm{kg\,m^{-3}}$
Steam, specific heat capacity	$c_\mathrm{st} = 2.080 \times 10^{3}\ \mathrm{J\,kg^{-1}\,K^{-1}}$
Earth, mass of the	$m_\mathrm{E} = 5.97 \times 10^{24}\ \mathrm{kg}$
Earth, radius of the	$R_\mathrm{E} = 6.38 \times 10^{6}\ \mathrm{m}$
Sun, mass of the	$m_\mathrm{S} = 1.99 \times 10^{30}\ \mathrm{kg}$
Sun, radius of the	$R_\mathrm{S} = 6.96 \times 10^{8}\ \mathrm{m}$
Average Sun-Earth distance	$a_\mathrm{E} = 1.50 \times 10^{11}\ \mathrm{m}$