Data sheet: Table of physical parameters

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