

# CanSat formulas

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16:31

$$\frac{P}{\rho} = R \times T$$

$$\rho = \frac{P}{R \times T}$$

$$h = \frac{P_0 - P}{\frac{P}{R_{air} \times T_{Kelvin}} * g}$$

$$lon_0 = 44.598780^\circ$$

$$lat_0 = 11.656163^\circ$$

$$pos_x = 0.0001113194444 \times (lon_0 - lon) \times 10^9$$

$$pos_y = 0.0001113194444 \times (lat_0 - lat) \times 10^9$$