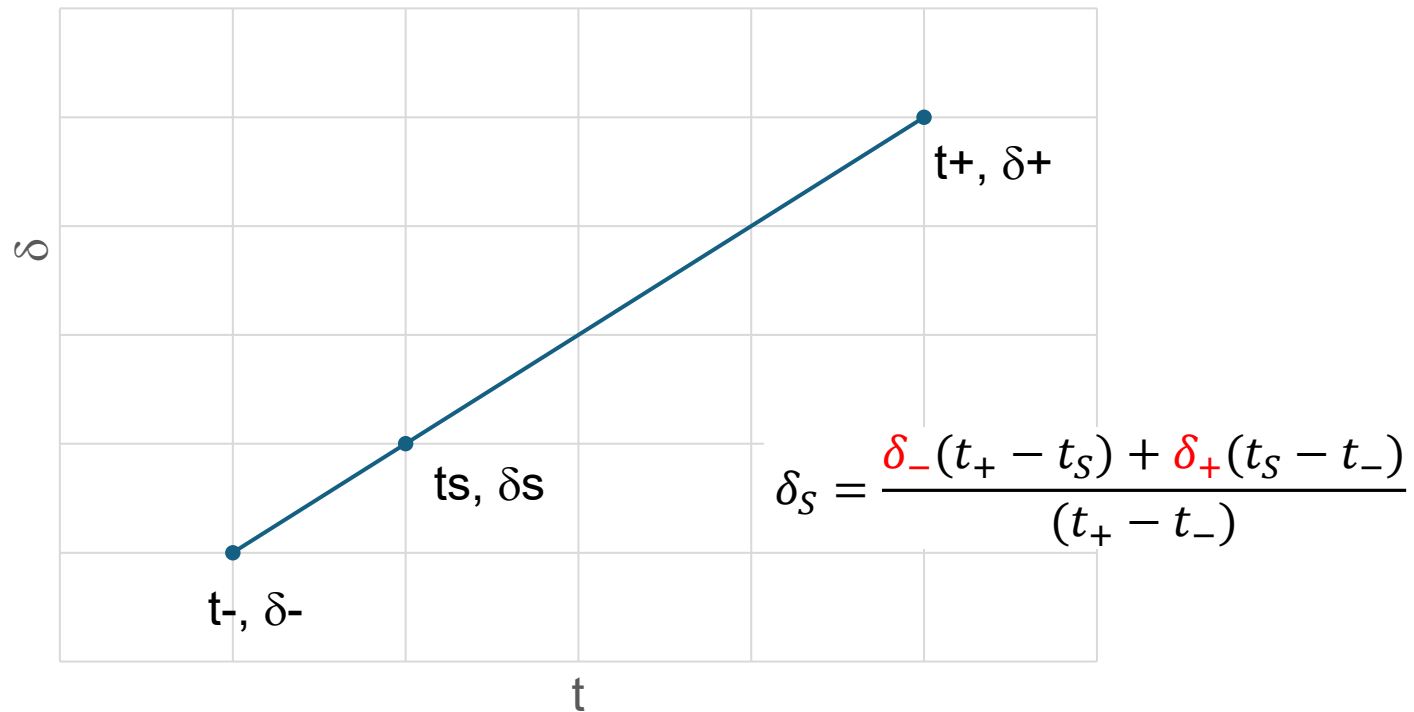


Equation 3

$$\Delta\delta_{Drift} = \frac{\overset{+}{\delta_{Cal_1}^{int(-),Raw}} \cdot (t_S - t_{Cal_1}^{int(-)}) + \overset{-}{\delta_{Cal_1}^{int(+),Raw}} \cdot (t_{Cal_1}^{int(+)} - t_S)}{t_{Cal_1}^{int(+)} - t_{Cal_1}^{int(-)}} - \delta_{Cal_1}^{Mean,Raw}$$



Equation 10

Thus:

$$\sigma_{\ln f} = \frac{\sigma_{\delta_R}}{\varepsilon} \rightarrow |\varepsilon|$$

Including the uncertainty reduction due to averaging of repeated measurements of δ_R :

$$\sigma_{\delta_R} = \frac{\sigma_i}{\sqrt{n}}$$

Leads to:

$$\sigma_{\ln f} \leftarrow \sigma_f = \frac{\sigma_i}{|\varepsilon|\sqrt{n}}$$

$$\frac{d(\ln f)}{df} = \frac{1}{f}$$

Thus:

$$\sigma_{\ln f} = \frac{\sigma_f}{f}$$

$$\sigma_f = \frac{f \sigma_i}{|\varepsilon|\sqrt{n}}$$