



$$\Delta t = \pm 0.175 \mu s$$

$$m = -71.76 \pm 4.63$$

$$C = 242.51 \pm 5.13$$

$$K = 2066 \pm 14$$

$$\tau = 0.1997 \pm 0.0013$$

$$\bar{A} = 1.02 \pm 0.03$$

$$\omega = 0.88 \pm 0.04$$

$$\delta = 1.580 \pm 0.004$$

$$\text{Offset} = mt_{\max} + C$$

$$\text{Offset} = 136 \pm 9.7$$