Fret I
Suppose we make some choice of reoposit for our ephanens (a fit the data. We can write the result of fitting as a multivariety vormal
$$x \sim N(n, x)$$
, where $M = \{T_i\}$, $S_i = \{G_n^{-1}, G_n^{-1}G_n^$

 $= (\sigma_{T_0}^2 + \sigma_r^2 N^2 + 2\sigma_{T_0} \sigma_r N) + 2(\sigma_{T_0} \sigma_r + \sigma_r^2 N) E' + \sigma_r^2 E'^2$ If we choose $N = \text{nint}(-\sigma_{T_0} \sigma_r^2 / \sigma_r^2)$, this will minimise the second term in the equation above, and we can write:

στ = στ + 2στ στ (E'+N) + στ (E'+N)

above, and we can write: $O_T^2 \sim O_P^2 E^2.$

$$P = 0.176 - 0.114806 = 0.006 \pm 0.001$$

$$DP = \sqrt{0.0012 + 0.0000042} \approx 0.001$$

$$T_0 = 58407.1955$$

$$DT = 0.0807$$

$$DTP = 13.16$$