

Combat

Target lock time

The target lock time ($t_{targetlock}$) in seconds depends on the ship's scan resolution (s) and the target's signature radius (r)

$$t_{targetlock} = \frac{40000}{s \cdot asinh(r)^2}$$

Alignment time

The ship alignment time (t_{align}) depends on the ship's inertia modifier (i) and the ships mass (m)

$$t_{align} = \frac{\ln(2) \cdot i \cdot m}{500000}$$