

$$\text{ProfileDepthMax} := 250 \cdot \text{m}$$

$$\text{DescentRateMax} := 0.4 \cdot \frac{\text{m}}{\text{sec}}$$

$$\text{DescentRateMin} := 0.2 \cdot \frac{\text{m}}{\text{sec}}$$

$$\text{DescentTimeMax} := \frac{\text{ProfileDepthMax}}{\text{DescentRateMin}} = 1.25 \times 10^3 \text{ s}$$

$$\text{DescentTimeMin} := \frac{\text{ProfileDepthMax}}{\text{DescentRateMax}} = 625 \text{ s}$$

$$\text{AscentRateMax} := 0.4 \cdot \frac{\text{m}}{\text{sec}}$$

$$\text{AscentRateMin} := 0.1 \cdot \frac{\text{m}}{\text{sec}}$$

$$\text{AscentTimeMax} := \frac{\text{ProfileDepthMax}}{\text{AscentRateMin}} = 2.5 \times 10^3 \text{ s}$$

$$\text{AscentTimeMin} := \frac{\text{ProfileDepthMax}}{\text{AscentRateMax}} = 625 \text{ s}$$

$$\text{SurfaceTimeMin} := 5 \cdot \text{min}$$

$$\text{SurfaceTimeMax} := 20 \cdot \text{min}$$

$$\text{ParkTimeMin} := 0 \cdot \text{min}$$