

$$\begin{aligned} \text{Azimuth} &= \text{atan2}(0,339895,-0,681484) = 153.491946 \text{ DD} &= 153^{\circ} 29' 31'' \\ \text{altitude} &= \text{asin}(0,648113) = 40,339481 \text{ DD} &= 40^{\circ} 23' 58'' \end{aligned}$$