



# Sextant Exercises and Questions

Sextant Handling

1. How can you be sure your sextant is well calibrated?
2. Look up the correction for a Height of the Eye of 2m.
3. In what situation/setting may we combine the correction for the DIP and the Index Error in one correction for both.
4. The Sextant Reading is  $32^{\circ}15'.6$ . What is the SA adjusted for an IE of 6' off the arc?
5. The HoE is 5m. What is the Apparent Altitude?
6. The sextant reading was on the lower limb, so a correction for the semi-diameter is needed. The semi-diameter is found on the Daily pages, underneath the GHA and Dec-columns. What is the semi-diameter on January 5?
7. Look up the applicable Altitude Correction.
8. Explain why this figure is different from the semi-diameter.
9. What is the resulting Observed Altitude?