

Sun Sight

Date _____




Position Latitude _____ Time _____ LMT







Longitude _____ _____ GMT

Sextant Altitude _____ Ships Head _____ (Gyro)

Index Error _____ Average Speed _____ (Magnetic)

Height of Eye _____ Temperature _____ hPa _____

GHA			Dec.	
Increment			d ()	
Corrected GHA			Declination	
Longitude (-W +E)				
LHA				

Sextant Altitude			Local Time	
Index Error			Longitude	
Observed Altitude			Approx. GMT	
Dip (-)			Chronometer	
Apparent Altitude			Error	
Total Correction			Correct GMT	
2 nd Correction				
True Altitude				
- 90°00'.0				
True Zenith Distance				

www.collisionregs.com

Cos.CZD = (cos. LHA x cos. Lat x cos. Dec) +/- (sin. Lat x sin. Dec)
 (+ when Lat & Dec same name. - when Lat & Dec opposite)

Calculated Zenith Distance	
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Intercept (TZD - CZD)	
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(TRUE TINY TOWARDS)

Azimuth	
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A = $\frac{\text{Tan Lat}}{\text{Tan LHA}}$ **A =** *Named Opposite to Latitude*
except if LHA between 90°- 270°

B = $\frac{\text{Tan Dec}}{\text{Sin LHA}}$ **B =** *Named the Same as Declination*

C = A +/- B **C =** *Named Greater of the Two*
 Same Names + / Opposite Names -

Tan Azimuth = $\frac{1}{C \times \text{Cos Lat}}$ *Named N / S same as C*
Named W if LHA between 0°-180°
Named E if LHA between 180°-360°