

Sight #	Zone Time of Sight			Sextant Altitude (hs)	
	hr.	min.	sec.	deg.	min.
1	11	8	51	53	20.2
2	11	11	26	53	36.7
3	11	12	55	53	48.8
4	11	15	16	54	4.8
5	11	17	8	54	21.2
6	11	19	16	54	38.7
7	11	21	21	54	56.0
8	11	24	45	55	21.9
9	11	26	36	55	33.2
10					

Click on this box to clear all user data cells

Average Sextant Altitude  deg.  min.

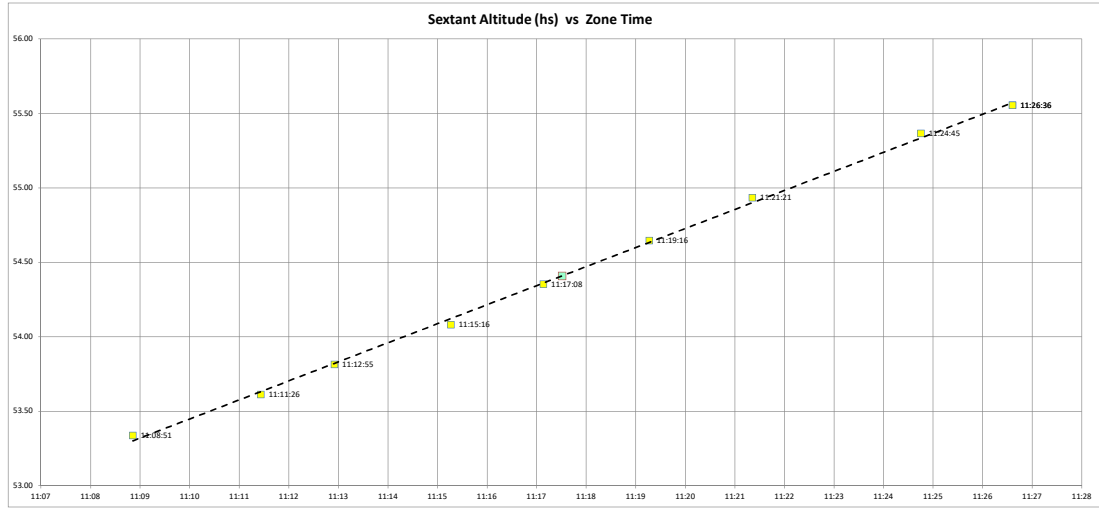
Zone Time associated with Average Sextant Altitude

- Notes:
- Before using this worksheet click on this box to change the Formula Calculations Options to "Manual"
  - Sight #1 must contain a valid Time & Sextant Altitude.
  - Time must be increasing with Sight #
  - After entering all the new sight data, press the "F9" key or click on this box to "update" the Sight Data Plot.
  - To remove a bad sight from the list, click on the yellow square that contains the Sight # to be removed. The Sight Data Plot will automatically update after a bad sight is removed.
  - Before leaving this worksheet click on this box to change the Formula Calculations Options back to "Automatic"

Daylight Saving Time  Dip Short Distance  Yards  
 Atmospheric Pressure  mb IC  min.  
 Air Temperature  °C Height of Eye  ft.  
 For a sight taken on a Dip Short Horizon: Dip =  min

## Sight Averaging Data Plot

Body  Limb  DR L  deg.  min.   
 Date  DR Lo  deg.  min.



Use  - - - - Trend Line  Average  Sight Data Used to Compute Average

Zone Time  Calculated Sextant Altitude  deg.  min.

For 1st order regression  $hs^\circ = a_0 + a_1T$  & for 2nd order regression  $hs^\circ = a_0 + a_1T + a_2T^2$

$a_0$	-32.59227894
$a_1$	7.704931032
$a_2$	

Zone Description

Distance to Visible Horizon  Yards

Dip Short of a Natural Sea Horizon

For sight taken on a Natural Horizon: Dip =  min