

## Sight Averaging Data Plot

Sight #	Zone Time of Sight			Sextant Altitude (hs)	
	hr.	min.	sec.	deg.	min.
1	12	0	0	43	19.2
2	12	10	0	44	32.3
3	12	20	0	45	46.0
4	12	40	0	48	15.8
5	12	50	0	49	29.9
6	13	0	0	50	45.1
7					
8					
9					
10					

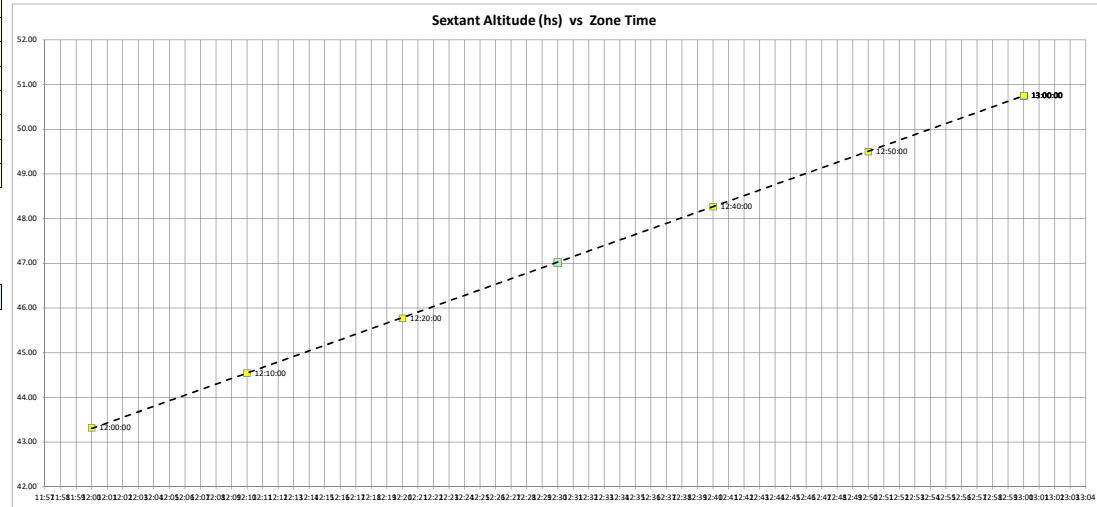
Click on this box to clear all user data cells

Body  Limb  DR L  deg.  min.

Date  DR Lo  deg.  min.

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"

Use   Trend Line  Average  Sight Data Used to Compute Average

Zone Time  Calculated Sextant Altitude  deg.  min.

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

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

$a_0$  -45.95557143  
 $a_1$  7.438285714  
 $a_2$

Zone Description

Distance to Visible Horizon  Yards

Natural Sea Horizon

For sight taken on a Natural Horizon: Dip =  min