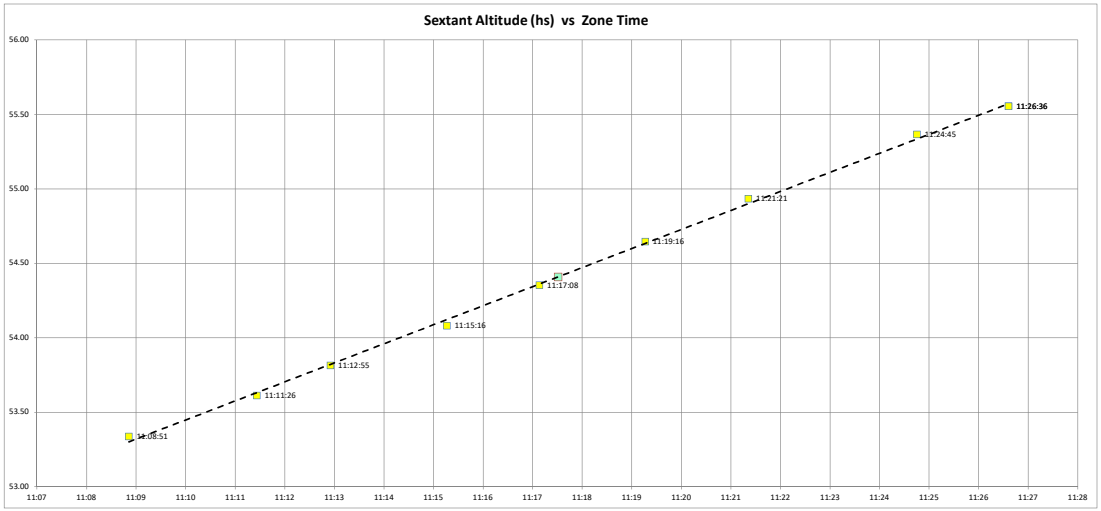
Sight Averaging Data Plot

Sight #	Zone Time of Sight hr.	min.	sec.	Sextant Altitude (hs) 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

Body SUN Limb LL DR L 48 deg. 6.9 min. N

Date 12-Jul-17 DR Lo 122 deg. 45.1 min. W



Average Sextant Altitude 54 deg. 24.6 min.

Zone Time associated with Average Sextant Altitude 11:17:30

Use 2nd Order Regression - - - - - Trend Line Average Sight Data Used to Compute Average

Zone Time 11:17:00 Calculated Sextant Altitude 54 deg. 20.3 min.

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 No Dip Short Distance 2600 Yards

Atmospheric Pressure 1010 mb IC -3.1 min.

Air Temperature 10 ° C Height of Eye 6.0 ft.

For a sight taken on a Dip Short Horizon: Dip = 3.18 min

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

a_0	60.20758247
a_1	-8.72406292
a_2	0.727082893

Zone Description 8

Distance to Visible Horizon 5805 Yards

Dip Short of a Natural Sea Horizon

For sight taken on a Natural Horizon: Dip = 2.38 min