Meridian Altitude Sun Sight

Log reading:

D.R. Latitude:

	MONTH	DAY	HOUR	MIN
GMT of Meridian passage @ Greenwich				
DR longitude:	**Arc to time: (+west –east)**			
		DAY	*HOUR*	*MIN*
= Local mean time of meridian passage @ships E.P:				

Declination at the *HOUR* of meridian passage at ships E.P. will be:

+ - **'d'** **for** *MIN* **=**

= Declination at the exact time of meridian passage at ships E.P

Sextant altitude	
+/- index error	
= Observed Altitude	
Dip **-**	
= Apparent Altitude	
altitude correction	
89 60' . 0	
= True Altitude -	
= Zenith distance	
Declination + / - *	
OBSERVED LATITUDE	

*Latitude greater than declination. Same hemisphere: **Latitude = Zenith distance + Declination**

Latitude less than declination. Same hemisphere: **Latitude = Declination – Zenith Distance**

Latitude opposite hemisphere to declination: **Latitude = Zenith distance - Declination**