Sight Reduction Form

Section I: Observations and Corrections

1. Celestial Body		
2. Apparent Altitude		Index Correction
	+	Dip Correction
	+	Sextant Altitude
		Total Apparent Altitude (*ha*)
3. Observed Altitude	+	Altitude Correction
	+	Additional Corrections (Atmospheric)
	+	Additional Corrections (Mars/Venus/Moon)
		Total Observed Altitude (*ho*)

Section II: Time and Dead Reckoning

4. Date (GMT)	
5. DR Latitude	
6. DR Longitude	
7. Time (GMT)	

Section III: Latitude and Longitude

8. GHA		Tabulated GHA
	+	GHA Increment
	+	SHA (stars) or *v*-correction (Moon)
		Total GHA
9. LHA		(**a**) Assumed Longitude (E. Long = 60'-GHA min.)
		(**b**) +/- 360° if **LHA** less than 0° or greater than 360°
		Total LHA (W. Long. = *GHA-a+b*; E. Long. = *GHA*+a+*b*)
10. Declination		Declination (*d*-corr'n factor: _____)
	+	*d*-correction
		Total Declination (Dec.)
11. Assumed Latitude		**Same / Contrary** (compared to Dec. hemisphere)

Section IV: Determining a Line of Position

12. Computed Altitude		Tabulated *hc* (*d* _____)
	+	Declination Increment (Dec. minutes/60 times *d*)
		Total Computed Altitude (*hc*)
13. Altitude Intercept		**(*ho* or *hc*)** whichever is larger. ***ho*** = Section I, 3.
	-	**(*ho* or *hc*)** whichever is smaller. ***hc*** = Section IV, 12.
	(T / A)	**Intercept** (Toward if *ho* > *hc*, Away if *ho* < *hc*)
14. Azimuth Angle (Z)		
15. Azimuth (Zn)		**N Lat.:** LHA > 180°, Zn=Z **|** LHA < 180°, Zn=360°-Z **S Lat.:** LHA > 180°, Zn=180°-Z **|** LHA < 180°, Zn=180°+Z