

Sight Reduction Work Sheet

1	Celestial Body					(LL) or (UL)
2	DR Latitude NS					
3	DR Longitude EW					
4	Date (Local)					
5	Watch Time					
6	Watch Error F-,S+					
7	Zone Time					5+6
8	Zone Desc E-, W+					
9	GMT					7+8
10	Date Greenwich					
11	(v for P,M) + -					(Almanac)
12	GHA Hours					Almanac
13	GHA Increment					Almanac
14	(v Correction or SHA)					
15	GHA					12+13+14
16	Assumed Long E+,W-					
17	LHA					15+16
18	d (P,S,M) Value + -					Almanac
19	Declination Hours NS					Almanac
20	d Correction + -					
21	Declination NS					19+20
22	Index Correction + -					On-, Off+
23	Dip Correction - -	-	-	-	-	
24	Sum + -					22+23
25	Hs (Sextant Altitude)					Sextant
26	Apparent Altitude					24+25
27	(Horizontal Parallax)					(Almanac)
28	Altitude correction + -					Almanac
29	(Add'l Alt Corr) + -					(Almanac)
30	Sum + -					28+29
31	Apparent Altitude					26
32	Ho (Observed Altitude)					30+31
33	Assumed Long EW					16
34	Assumed Latitude + -					
35	Declination + -					21
36	LHA					17
37	Hc					Calculate
38	Ho					32
39	a (Altitude Diff) -T,+A					37-38
40	Z					Calculate
41	Zn (Azimuth)					See Below

	0 < LHA < 180	180 < LHA < 360
N. Latitude	Zn = 360 - Z	Zn = Z
S. Latitude	Zn = 180 + Z	Zn = 180 - Z

