

Sight Prediction Work Sheet

1	Celestial Body							
2	DR Latitude	NS						
3	DR Longitude	EW						
4	Date (Local)							
5	Time (Local)							
6	Zone Desc	E-,W+						
7	GMT							5+6
8	Date Greenwich							
9	GHA Hours							Almanac
10	GHA Increment							Almanac
11	(SHA)							Almanac
12	GHA							9+10+11
13	DR Longitude	E+,W-						3
14	LHA							12+13
15	Declination	NS						Almanac
16	DR Latitude	+ -						2
17	Declination	+ -						15
18	LHA							14
19	Hc							Calculate
20	Z							Calculate
21	Zn (Azimuth)							See Below
22	Magnetic Var	E-,W+						Chart
23	Compass Bearing							21+22
24	Hc							19
25	Compass Bearing							23
26	Magnitude							Almanac

	$0 < \text{LHA} < 180$	$180 < \text{LHA} < 360$
N. Latitude	$Z_n = 360 - Z$	$Z_n = Z$
S. Latitude	$Z_n = 180 + Z$	$Z_n = 180 - Z$