

1 Estimated position at the time of fix:				Navigator		
DR/EP:	Lat.	Long.		Height of eye	m/ft	
2 Convert Dates/Times:				Index Error	$\frac{\text{on arc}}{\text{off arc}}$	
Fix, local date and time	Year month d h m s	20		Course	${}^{\circ}\text{T}$	
Zone correction, $\frac{\text{W}+}{\text{E}-}$ ZT				Speed	kn	
Greenwich date & UT UT _f	20			Pressure	mb/in	
				Depart	To	
Observations of						
Local date	20	20	20	20	20	
	h m s	h m s	h m s	h m s	h m s	
Local watch time DWT						
Watch error, $\frac{\text{fast}-}{\text{slow}+}$ DWE						
Local time						
Zone correction, $\frac{\text{W}+}{\text{E}-}$ ZT						
UT (Greenwich date) UT	()	()	()	()	()	
UT of Fix UT _f						
Fix later + earlier - UT _f - UT						
3 GHA/Y: Table 4:						
Greenwich date (year, mth, 1)	()	()	()	()	()	
Day and hours (b)	d					
Minutes and seconds (c)						
Sum = (a) + (b) + (c) GHA/Y						
4 AP longitude, $\frac{\text{E}+}{\text{W}-}$						
Sum						
$\pm 360^{\circ}$ if required						
GHA/Y + AP Long LHA/Y	°	°	°	°	°	
5 Correct sextant altitudes:						
Sextant altitude H _s	'	°	'	'	°	
Index error, $\frac{\text{on arc}}{\text{off arc}}$	.	.	.	.	.
Dip, Table 8a (ht m/ft) D	.	.	.	.	.
Sum IE + D	.	.	.	.	.
Apparent altitude H _a	.	.	.	.	.
Refraction, Table 8b (H _a) R	.	.	.	.	.
and Table 8c (T, P, H _a)	(°,)	.	(°,)	.	(°,)	
Observed altitude H _o	.	.	.	.	.
6 Extract tabulated alt/az:						
(AP latitude, LHA/Y) H _c	(°, °)	(°, °)	(°, °)	(°, °)		
7 Intercept = H_o - H_c p						
Azimuth Z _n	.	°	.	°	°	
8 (a) Motion of vessel:						
$\pm 360^{\circ}$ if required	—	—	—	—	—	
True track of vessel C	—	—	—	—	—	
Z _n - C Rel.Z _n	—	—	—	—	—	
Table 1(DMG,Rel.Z _n) MOO	(nm)	.	(nm)	.	(nm)	.
(b) Motion of body: Table 2						
(Lat, Z _n), UT _f -UT MOB	m s	.	m s	.	m s	.
(c) Precession & nutation:						
Table 5, (year, Lat, LHA/Y)
9 Intercept, corrected						
+ towards - away p	—	—	—	—	—	
Azimuth (step 7) Z _n	°	°	°	°	°	