

STANDARD DOME
REFRACTION

To be *subtracted* from sextant altitude when using sextant suspension in a perspex dome.

Alt.	Refn.	Alt.	Refn.
°	'	°	'
10	8	50	4
20	7	60	4
30	6	70	3
40	5	80	3

This table must not be used if a calibration table is fitted to the dome, or if a flat glass plate is provided, or for non-standard domes.

BUBBLE SEXTANT ERROR

Sextant Number	Alt.	Corr.
	°	'

CORRECTIONS TO BE APPLIED
TO MARINE SEXTANT ALTITUDES

CORRECTION FOR DIP OF THE HORIZON

To be subtracted from sextant altitude.

Ht.	Dip	Ht.	Dip	Ht.	Dip	Ht.	Dip	Ht.	Dip
Ft.	'	Ft.	'	Ft.	'	Ft.	'	Ft.	'
0	1	114	11	437	21	968	31	1 707	41
2	2	137	12	481	22	1 033	32	1 792	42
6	3	162	13	527	23	1 099	33	1 880	43
12	4	189	14	575	24	1 168	34	1 970	44
21	5	218	15	625	25	1 239	35	2 061	45
31	6	250	16	677	26	1 311	36	2 155	46
43	7	283	17	731	27	1 386	37	2 251	47
58	8	318	18	787	28	1 463	38	2 349	48
75	9	356	19	845	29	1 543	39	2 449	49
93	10	395	20	906	30	1 624	40	2 551	50
114		437		968		1 707		2 655	

CORRECTIONS

In addition to sextant error and dip, corrections are to be applied for:

- Refraction
- Semi-diameter (for the Sun and Moon)
- Parallax (for the Moon)
- Dome refraction (if applicable)

MARINE SEXTANT ERROR

Sextant Number

Index Error

LIST OF CONTENTS

Pages	Contents
Inside front cover	Star list (57 stars) and G.H.A. interpolation tables (same as F3, flap)
Daily pages	Ephemerides of Sun, Moon, Aries and planets; moonrise and moonset
F1- F2 (flap)	Star chart
F3 (flap)	Star list (57 stars) and G.H.A. interpolation tables
F4 (flap)	Interpolation of moonrise and moonset for longitude, and star index
<i>i, ii</i> - A1	Title page, preface, etc.
A2 - A17	Explanation
A18 - A19	List of symbols and abbreviations
A20 - A23	Standard times
A24 - A121	Sky diagrams
A122 - A124	Planet location diagram
A125	Moonlight interference diagram; planet/star confusion table
A126 - A129	Star recognition diagrams for periscopic sextants
A130 - A145	Sunrise, sunset and civil twilight
A146 - A152	Rising, setting and depression graphs
A153 - A156	Semi-duration graphs of sunlight, twilight and moonlight, in high latitudes
A157	<i>Polaris</i> tables
A158 - A163	Star list, 173 stars (accuracy 0.1)
A164 - A165	Interpolation of G.H.A. Sun and G.H.A. Aries (accuracy 0.1)
A166	Conversion of arc to time
A167	Corrections for (total) refraction and Coriolis (<i>Z</i>) table
Inside back cover	Corrections to marine sextant observations and dome refraction