ɔ)

$R = R_0 \times f$

0·9	1·0	1·1	1·2
		R	
′	′	′	′
0	0	0	0
1	1	1	1
2	2	2	2
3	3	3	4
4	4	4	5
5	5	5	6
5	6	7	7
6	7	8	8
7	8	9	10
8	9	10	11
9	10	11	12
11	12	13	14
13	14	15	17
14	16	18	19
16	18	20	22
18	20	22	24
22	25	28	30
27	30	33	36
31	35	38	42
36	40	44	48
40	45	50	54
45	50	55	60
49	55	60	66
54	60	66	72

0·9	1·0	1·1	1·2
		f	

Where R_0 is less than 10′ or the height greater than 35 000 ft. use
$$R = R_0$$

...hich the sextant ...ltitude, unless ...ture. Use the

...rthern latitudes

60°	70°	80°	90°
′	′	′	′
12	14	14	14
14	15	16	16
15	16	17	17
16	17	18	18
17	18	19	20
18	20	21	21
19	21	22	22
20	22	23	24

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

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