

Dip Correction		
HE(ft)	HE(m)	Dip
4	1.2	-1.9'
6	1.8	-2.4'
8	2.4	-2.7'
10	3.0	-3.1'
12	3.7	-3.4'
14	4.3	-3.6'
16	4.9	-3.9'
18	5.5	-4.1'
20	6.1	-4.3'
22	6.7	-4.5'
24	7.3	-4.8'
26	7.9	-4.9'
28	8.5	-5.1'
30	9.1	-5.3'
32	9.8	-5.5'
34	10.4	-5.7'
36	11.0	-5.8'
38	11.6	-6.0'
40	12.2	-6.1'
42	12.8	-6.3'
44	13.4	-6.4'
46	14.0	-6.6'
48	14.6	-6.7'
50	15.2	-6.9'
52	15.9	-7.0'
54	16.5	-7.1'
56	17.1	-7.3'
58	17.7	-7.4'
60	18.3	-7.5'

Refraction Correction	
H (deg)	Ref Corr
0	-33.8'
1	-24.1'
2	-18.2'
3	-14.3'
4	-11.7'
5	-9.8'
6	-8.5'
7	-7.4'
8	-6.6'
9	-5.9'
10	-5.3'
14	-3.8'
17	-3.1'
20	-2.7'

Refraction Correction	
H (deg)	Ref Corr
20	-2.7'
24	-2.2'
28	-1.8'
34	-1.4'
38	-1.2'
44	-1.0'
50	-0.8'
55	-0.7'
60	-0.5'
64	-0.4'
70	-0.3'
74	-0.2'
80	-0.1'
88	0.0'

Expanded Correction Tables to be used with
GPS Backup with a Mark 3 Sextant

GPS Backup Polaris Corrections											
S	A	Q	S	A	Q	S	A	Q	S	A	Q
180	000	+39	270	090	-10	000	180	-39	090	270	+10
185	005	+38	275	095	-14	005	185	-38	095	275	+14
190	010	+36	280	100	-17	010	190	-36	100	280	+17
195	015	+35	285	105	-20	015	195	-35	105	285	+20
200	020	+33	290	110	-23	020	200	-33	110	290	+23
205	025	+31	295	115	-26	025	205	-31	115	295	+26
210	030	+28	300	120	-28	030	210	-28	120	300	+28
215	035	+26	305	125	-31	035	215	-26	125	305	+31
220	040	+23	310	130	-33	040	220	-23	130	310	+33
225	045	+20	315	135	-35	045	225	-20	135	315	+35
230	050	+17	320	140	-36	050	230	-17	140	320	+36
235	055	+14	325	145	-38	055	235	-14	145	325	+38
240	060	+10	330	150	-39	060	240	-10	150	330	+39
245	065	+7	335	155	-39	065	245	-7	155	335	+39
250	070	+3	340	160	-40	070	250	-3	160	340	+40
255	075	0	345	165	-40	075	255	0	165	345	+40
260	080	-3	350	170	-40	080	260	+3	170	350	+40
265	085	-7	355	175	-39	085	265	+7	175	355	+39
270	090	-10	000	180	-39	090	270	+10	180	000	+39