

TABLE 6 — CORRECTION (Q) FOR *POLARIS*

LHA Y	Q	LHA Y	Q	LHA Y	Q	LHA Y	Q	LHA Y	Q	LHA Y	Q	LHA Y	Q
° ' "		° ' "		° ' "		° ' "		° ' "		° ' "		° ' "	
359 01	−31	87 17	−28	123 10	−5	155 56	+18	209 49	+41	284 52	+18	317 47	−5
1 06	−32	89 10	−27	124 34	−4	157 29	+19	232 32	+40	286 25	+17	319 11	−6
3 18	−33	90 59	−26	125 58	−3	159 03	+20	238 15	+39	287 56	+16	320 35	−7
5 35	−34	92 46	−25	127 21	−2	160 39	+21	242 31	+38	289 27	+15	321 59	−8
8 01	−35	94 30	−24	128 44	−1	162 16	+22	246 05	+37	290 56	+14	323 24	−9
10 38	−36	96 12	−23	130 08	0	163 54	+23	249 14	+36	292 25	+13	324 49	−10
13 27	−37	97 52	−22	131 32	+1	165 35	+24	252 05	+35	293 53	+12	326 15	−11
16 33	−38	99 30	−21	132 55	+2	167 17	+25	254 42	+34	295 20	+11	327 41	−12
20 05	−39	101 07	−20	134 19	+3	169 02	+26	257 10	+33	296 46	+10	329 08	−13
24 18	−40	102 41	−19	135 42	+4	170 50	+27	259 29	+32	298 12	+9	330 35	−14
29 57	−41	104 15	−18	137 06	+5	172 40	+28	261 41	+31	299 38	+8	332 04	−15
52 24	−40	105 47	−17	138 30	+6	174 34	+29	263 48	+30	301 03	+7	333 33	−16
58 03	−39	107 18	−16	139 54	+7	176 32	+30	265 49	+29	302 27	+6	335 03	−17
62 16	−38	108 48	−15	141 18	+8	178 33	+31	267 47	+28	303 51	+5	336 34	−18
65 48	−37	110 17	−14	142 43	+9	180 40	+32	269 41	+27	305 15	+4	338 06	−19
68 54	−36	111 46	−13	144 09	+10	182 52	+33	271 31	+26	306 39	+3	339 40	−20
71 43	−35	113 13	−12	145 35	+11	185 11	+34	273 19	+25	308 02	+2	341 14	−21
74 20	−34	114 40	−11	147 01	+12	187 39	+35	275 04	+24	309 26	+1	342 51	−22
76 46	−33	116 06	−10	148 28	+13	190 16	+36	276 46	+23	310 49	0	344 29	−23
79 03	−32	117 32	−9	149 56	+14	193 07	+37	278 27	+22	312 13	−1	346 09	−24
81 15	−31	118 57	−8	151 25	+15	196 16	+38	280 05	+21	313 37	−2	347 51	−25
83 20	−30	120 22	−7	152 54	+16	199 50	+39	281 42	+20	315 00	−3	349 35	−26
85 21	−29	121 46	−6	154 25	+17	204 06	+40	283 18	+19	316 23	−4	351 22	−27
87 17		123 10		155 56		209 49		284 52		317 47		353 11	

The above table, which does *not* include refraction, gives the quantity *Q* to be applied to the corrected sextant altitude of *Polaris* to give the latitude of the observer. In critical cases ascend.

Polaris: Mag. 2.1, SHA 318° 49', Dec N 89° 18.7'

TABLE 7 — AZIMUTH OF *POLARIS*

LHA Y	Latitude							LHA Y	Latitude						
	0°	30°	50°	55°	60°	65°	70°		0°	30°	50°	55°	60°	65°	70°
°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°
0	0.5	0.5	0.7	0.8	0.9	1.1	1.4	180	359.5	359.5	359.3	359.2	359.1	358.9	358.7
10	0.4	0.4	0.6	0.6	0.7	0.9	1.1	190	359.6	359.6	359.5	359.4	359.3	359.2	359.0
20	0.2	0.3	0.4	0.4	0.5	0.6	0.7	200	359.8	359.7	359.6	359.6	359.5	359.4	359.3
30	0.1	0.2	0.2	0.2	0.3	0.3	0.4	210	359.9	359.8	359.8	359.8	359.7	359.7	359.6
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	220	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50	359.9	359.9	359.8	359.8	359.8	359.7	359.7	230	0.1	0.1	0.2	0.2	0.2	0.2	0.3
60	359.8	359.7	359.6	359.6	359.5	359.5	359.3	240	0.2	0.3	0.3	0.4	0.4	0.5	0.6
70	359.7	359.6	359.5	359.4	359.3	359.2	359.0	250	0.3	0.4	0.5	0.6	0.7	0.8	0.9
80	359.6	359.5	359.3	359.2	359.1	359.0	358.7	260	0.4	0.5	0.7	0.7	0.8	1.0	1.2
90	359.5	359.4	359.2	359.1	358.9	358.8	358.5	270	0.5	0.6	0.8	0.9	1.0	1.2	1.5
100	359.4	359.3	359.1	359.0	358.8	358.6	358.2	280	0.6	0.7	0.9	1.0	1.2	1.4	1.7
110	359.4	359.3	359.0	358.9	358.7	358.5	358.1	290	0.6	0.7	1.0	1.1	1.3	1.5	1.9
120	359.3	359.2	358.9	358.8	358.6	358.4	358.0	300	0.7	0.8	1.0	1.2	1.3	1.6	2.0
130	359.3	359.2	358.9	358.8	358.6	358.4	358.0	310	0.7	0.8	1.1	1.2	1.4	1.6	2.0
140	359.3	359.2	358.9	358.8	358.6	358.4	358.0	320	0.7	0.8	1.1	1.2	1.4	1.6	2.0
150	359.3	359.2	359.0	358.9	358.7	358.5	358.1	330	0.7	0.8	1.0	1.1	1.3	1.6	1.9
160	359.4	359.3	359.1	359.0	358.8	358.6	358.3	340	0.6	0.7	0.9	1.1	1.2	1.4	1.8
170	359.5	359.4	359.2	359.1	358.9	358.8	358.5	350	0.5	0.6	0.8	0.9	1.1	1.3	1.6
180	359.5	359.5	359.3	359.2	359.1	358.9	358.7	360	0.5	0.5	0.7	0.8	0.9	1.1	1.4

When Cassiopeia is left (right), *Polaris* is west (east).