

FOR DETERMINING THE LATITUDE FROM A SEXTANT ALTITUDE

LHA Aries	Q	LHA Aries	Q	LHA Aries	Q	LHA Aries	Q	LHA Aries	Q	LHA Aries	Q	LHA Aries	Q	LHA Aries	Q
359 42	-31	87 24	-28	123 31	- 5	156 27	+18	211 42	+41	285 06	+18	318 12	- 5	353 49	-28
1 49	-32	89 18	-27	124 55	- 4	158 01	+19	231 25	+40	286 40	+17	319 36	- 6	355 43	-29
4 02	-33	91 08	-26	126 19	- 3	159 35	+20	237 41	+39	288 12	+16	321 00	- 7	357 40	-30
6 22	-34	92 56	-25	127 43	- 2	161 11	+21	242 10	+38	289 43	+15	322 25	- 8	359 42	-31
8 50	-35	94 41	-24	129 07	- 1	162 49	+22	245 51	+37	291 13	+14	323 50	- 9	1 49	-32
11 29	-36	96 24	-23	130 31	0	164 28	+23	249 05	+36	292 42	+13	325 16	-10	4 02	-33
14 21	-37	98 04	-22	131 55	+ 1	166 10	+24	251 59	+35	294 10	+12	326 42	-11	6 22	-34
17 33	-38	99 43	-21	133 19	+ 2	167 53	+25	254 40	+34	295 38	+11	328 09	-12	8 50	-35
21 12	-39	101 20	-20	134 43	+ 3	169 39	+26	257 09	+33	297 05	+10	329 36	-13	11 29	-36
25 37	-40	102 56	-19	136 07	+ 4	171 27	+27	259 30	+32	298 31	+ 9	331 04	-14	14 21	-37
31 49	-41	104 30	-18	137 31	+ 5	173 18	+28	261 44	+31	299 57	+ 8	332 33	-15	17 33	-38
51 18	-40	106 02	-17	138 55	+ 6	175 13	+29	263 52	+30	301 22	+ 7	334 02	-16	21 12	-39
57 30	-39	107 34	-16	140 20	+ 7	177 12	+30	265 55	+29	302 47	+ 6	335 33	-17	25 37	-40
61 55	-38	109 05	-15	141 45	+ 8	179 15	+31	267 54	+28	304 12	+ 5	337 05	-18	31 49	-41
65 34	-37	110 34	-14	143 10	+ 9	181 23	+32	269 49	+27	305 36	+ 4	338 37	-19	51 18	-40
68 46	-36	112 03	-13	144 36	+10	183 37	+33	271 40	+26	307 00	+ 3	340 11	-20	57 30	-39
71 38	-35	113 31	-12	146 02	+11	185 58	+34	273 28	+25	308 24	+ 2	341 47	-21	61 55	-38
74 17	-34	114 58	-11	147 29	+12	188 27	+35	275 14	+24	309 48	+ 1	343 24	-22	65 34	-37
76 45	-33	116 25	-10	148 57	+13	191 08	+36	276 57	+23	311 12	0	345 03	-23	68 46	-36
79 05	-32	117 51	- 9	150 25	+14	194 02	+37	278 39	+22	312 36	0	346 43	-24	71 38	-35
81 18	-31	119 17	- 8	151 54	+15	197 16	+38	280 18	+21	314 00	- 1	348 26	-25	74 17	-34
83 25	-30	120 42	- 7	153 24	+16	200 57	+39	281 56	+20	315 24	- 2	350 11	-26	76 45	-33
85 27	-29	122 07	- 6	154 55	+17	205 26	+40	283 32	+19	316 48	- 3	351 59	-27	79 05	-32
87 24	-29	123 31	- 6	156 27	+17	211 42	+40	285 06	+19	318 12	- 4	353 49	-27	81 18	-32

*In critical cases, ascend*

Q, which does not include refraction, is to be applied to the corrected sextant altitude of *Polaris*.

*Polaris*: Mag. 2.1, SHA 318° 26', Dec N89° 18'9

AZIMUTH OF POLARIS, 2011

LHA Aries	Latitude						LHA Aries	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	359.4	359.4	359.3	359.2	359.0
20	0.3	0.3	0.4	0.4	0.5	0.6	0.8	200	359.7	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	0.1	220	0.0	0.0	0.0	0.0	0.0	0.0	359.9
50	359.9	359.9	359.8	359.8	359.8	359.8	359.7	230	0.1	0.1	0.2	0.2	0.2	0.2	0.3
60	359.8	359.7	359.7	359.6	359.6	359.5	359.3	240	0.2	0.2	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	0.6	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	359.0	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	358.3	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	1.8
120	359.3	359.2	359.0	358.8	358.7	358.4	358.0	300	0.7	0.8	1.0	1.2	1.3	1.6	1.9
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	359.4	359.3	359.0	358.9	358.7	358.5	358.1	330	0.6	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).