

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 34	-32	87 11	-28	123 53	- 4	157 56	+20	234 50		287 29		321 07		359 34	-32
1 41	-33	89 01	-27	125 16	- 3	159 30	+21	239 38	+40	288 59	+16	322 30	- 8	1 41	-32
3 54	-34	90 48	-26	126 38	- 2	161 05	+22	243 28	+39	290 27	+15	323 55	- 9	3 54	-33
6 15	-35	92 33	-25	128 01	- 1	162 42	+23	246 47	+38	291 54	+14	325 19	-10	6 15	-34
8 45	-36	94 15	-24	129 23	0	164 21	+24	249 45	+37	293 21	+13	326 44	-11	8 45	-35
11 26	-37	95 55	-23	130 46	+ 1	166 02	+25	252 28	+36	294 47	+12	328 10	-12	11 26	-36
14 22	-38	97 33	-22	132 08	+ 2	167 45	+26	254 59	+35	296 12	+11	329 36	-13	14 22	-37
17 39	-39	99 10	-21	133 31	+ 3	169 30	+27	257 22	+34	297 37	+10	331 03	-14	17 39	-38
21 27	-40	100 45	-20	134 53	+ 4	171 19	+28	259 36	+33	299 02	+ 9	332 31	-15	21 27	-39
26 12	-41	102 18	-19	136 16	+ 5	173 10	+29	261 45	+32	300 25	+ 8	334 00	-16	26 12	-40
33 36	-42	103 50	-18	137 39	+ 6	175 04	+30	263 48	+31	301 49	+ 7	335 30	-17	33 36	-41
47 15	-41	105 21	-17	139 02	+ 7	177 03	+31	265 47	+30	303 12	+ 6	337 01	-18	33 36	-42
54 39	-40	106 51	-16	140 26	+ 8	179 06	+32	267 41	+29	304 35	+ 5	338 33	-19	47 15	-41
59 24	-39	108 20	-15	141 49	+ 9	181 15	+33	269 32	+28	305 58	+ 4	340 06	-20	54 39	-40
63 12	-38	109 48	-14	143 14	+10	183 29	+34	271 21	+27	307 20	+ 3	341 41	-21	59 24	-39
66 29	-37	111 15	-13	144 39	+11	185 52	+35	273 06	+26	308 43	+ 2	343 18	-22	63 12	-38
69 25	-36	112 41	-12	146 04	+12	188 23	+36	274 49	+25	310 05	+ 1	344 56	-23	66 29	-37
72 06	-35	114 07	-11	147 30	+13	191 06	+37	276 30	+24	311 28	0	346 36	-24	69 25	-36
74 36	-34	115 32	-10	148 57	+14	194 04	+38	278 09	+23	312 50	- 1	348 18	-25	72 06	-35
76 57	-33	116 56	- 9	150 24	+15	197 23	+39	279 46	+22	314 13	- 2	350 03	-26	74 36	-34
79 10	-32	118 21	- 8	151 52	+16	201 13	+40	281 21	+21	315 35	- 3	351 50	-27	76 57	-33
81 17	-31	119 44	- 7	153 22	+17	206 01	+41	282 55	+20	316 58	- 4	353 40	-28	79 10	-32
83 19	-30	121 08	- 6	154 52	+18	213 31	+42	284 28	+19	318 20	- 5	355 34	-29	81 17	-31
85 17	-29	122 31	- 5	156 23	+19	227 20	+43	285 59	+18	319 43	- 6	357 32	-30	83 19	-30
87 11	-29	123 53	- 5	157 56	+19	234 50	+41	287 29	+17	321 07	- 7	359 34	-31	85 17	-30
														87 11	-29

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 319° 34', Dec N89° 18'2

AZIMUTH OF POLARIS, 2008

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	359.0	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	0.1	0.2	0.2	0.3	0.3	0.4	210	359.9	359.9	359.8	359.8	359.8	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	0.3	0.3
60	359.8	359.7	359.6	359.6	359.5	359.4	359.3	240	0.2	0.3	0.4	0.4	0.5	0.5	0.7
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	1.0
80	359.6	359.5	359.3	359.2	359.1	358.9	358.7	260	0.4	0.5	0.7	0.8	0.9	1.0	1.3
90	359.5	359.4	359.2	359.1	358.9	358.7	358.4	270	0.5	0.6	0.8	0.9	1.0	1.2	1.5
100	359.4	359.3	359.1	358.9	358.8	358.6	358.2	280	0.6	0.7	0.9	1.0	1.2	1.4	1.7
110	359.3	359.2	359.0	358.8	358.7	358.4	358.1	290	0.7	0.8	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	1.1	1.2	1.4	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	1.2	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	1.5	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	359.0	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).