

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
358 53	-29	87 32	-28	124 58	- 5	158 52	+18	232 19	+39	289 09	+16	322 54	- 7	0 58	-30
0 58	-30	89 32	-27	126 25	- 4	160 28	+19	239 02	+38	290 43	+15	324 21	- 8	3 07	-31
3 07	-31	91 28	-26	127 51	- 3	162 06	+20	243 41	+37	292 15	+14	325 49	- 9	5 22	-32
5 22	-32	93 20	-25	129 17	- 2	163 46	+21	247 29	+36	293 47	+13	327 17	-10	7 45	-33
7 45	-33	95 10	-24	130 43	- 1	165 27	+22	250 48	+35	295 18	+12	328 45	-11	10 16	-34
10 16	-34	96 57	-23	132 09	0	167 10	+23	253 46	+34	296 49	+11	330 15	-12	12 59	-35
12 59	-35	98 42	-22	133 36	+ 1	168 56	+24	256 30	+33	298 18	+10	331 45	-13	15 56	-36
15 56	-36	100 24	-21	135 02	+ 2	170 43	+25	259 03	+32	299 47	+ 9	333 15	-14	19 12	-37
19 12	-37	102 05	-20	136 28	+ 3	172 34	+26	261 27	+31	301 15	+ 8	334 47	-15	22 58	-38
22 58	-38	103 44	-19	137 54	+ 4	174 27	+27	263 44	+30	302 43	+ 7	336 19	-16	27 34	-39
27 34	-39	105 21	-18	139 21	+ 5	176 24	+28	265 54	+29	304 11	+ 6	337 53	-17	34 12	-40
34 12	-40	106 57	-17	140 47	+ 6	178 25	+29	268 00	+28	305 38	+ 5	339 28	-18	52 13	-39
52 13	-39	108 32	-16	142 14	+ 7	180 31	+30	270 01	+27	307 04	+ 4	341 04	-19	58 51	-38
58 51	-38	110 06	-15	143 42	+ 8	182 41	+31	271 58	+26	308 31	+ 3	342 41	-20	63 27	-37
63 27	-37	111 38	-14	145 10	+ 9	184 58	+32	273 51	+25	309 57	+ 2	344 20	-21	67 13	-36
67 13	-36	113 10	-13	146 38	+10	187 22	+33	275 42	+24	311 23	+ 1	346 01	-22	70 29	-35
70 29	-35	114 40	-12	148 07	+11	189 55	+34	277 29	+23	312 49	+ 0	347 43	-23	73 26	-34
73 26	-34	116 10	-11	149 36	+12	192 39	+35	279 15	+22	314 16	- 1	349 28	-24	76 09	-33
76 09	-33	117 40	-10	151 07	+13	195 37	+36	280 58	+21	315 42	- 2	351 15	-25	78 40	-32
78 40	-32	119 08	- 9	152 38	+14	198 56	+37	282 39	+20	317 08	- 3	353 05	-26	81 03	-31
81 03	-31	120 36	- 8	154 10	+15	202 44	+38	284 19	+19	318 34	- 4	354 57	-27	83 18	-30
83 18	-30	122 04	- 7	155 42	+16	207 23	+39	285 57	+18	320 00	- 5	356 53	-28	85 27	-29
85 27	-29	123 31	- 6	157 16	+17	214 06	+40	287 33	+17	321 27	- 6	358 53	-29	87 32	-28
87 32	-28	124 58	- 5	158 52	+18	232 19	+40	289 09	+16	322 54	- 6	0 58	-29	89 32	-28

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 316° 47', Dec N89° 20'0

AZIMUTH OF POLARIS, 2016

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	0.5	0.5	0.6	0.8	200	359.7	359.7	359.6	359.5	359.5	359.4	359.3
30	0.2	0.2	0.2	0.3	0.3	0.4	0.5	210	359.8	359.8	359.8	359.7	359.7	359.6	359.6
40	0.0	0.0	0.1	0.1	0.1	0.1	0.1	220	0.0	0.0	359.9	359.9	359.9	359.9	359.9
50	359.9	359.9	359.9	359.9	359.8	359.8	359.8	230	0.1	0.1	0.1	0.1	0.2	0.2	0.2
60	359.8	359.8	359.7	359.7	359.6	359.5	359.4	240	0.2	0.2	0.3	0.3	0.4	0.4	0.5
70	359.7	359.7	359.5	359.5	359.4	359.3	359.1	250	0.3	0.3	0.5	0.5	0.6	0.7	0.9
80	359.6	359.5	359.4	359.3	359.2	359.0	358.8	260	0.4	0.5	0.6	0.7	0.8	0.9	1.1
90	359.5	359.4	359.2	359.1	359.0	358.8	358.5	270	0.5	0.6	0.7	0.8	1.0	1.1	1.4
100	359.4	359.4	359.1	359.0	358.9	358.7	358.3	280	0.6	0.6	0.9	1.0	1.1	1.3	1.6
110	359.4	359.3	359.0	358.9	358.8	358.5	358.2	290	0.6	0.7	0.9	1.1	1.2	1.4	1.8
120	359.4	359.2	359.0	358.9	358.7	358.5	358.1	300	0.6	0.7	1.0	1.1	1.3	1.5	1.9
130	359.3	359.2	359.0	358.8	358.7	358.4	358.1	310	0.7	0.8	1.0	1.2	1.3	1.6	1.9
140	359.3	359.2	359.0	358.8	358.7	358.4	358.1	320	0.7	0.8	1.0	1.2	1.3	1.6	1.9
150	359.4	359.3	359.0	358.9	358.7	358.5	358.2	330	0.6	0.7	1.0	1.1	1.3	1.5	1.9
160	359.4	359.3	359.1	359.0	358.8	358.6	358.3	340	0.6	0.7	0.9	1.0	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).