

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
358 07	-27	84 47	-29	123 10	-7	156 22	+15	205 09	+37	284 40	+19	318 42	-3
0 11	-28	87 00	-28	124 40	-6	157 59	+16	210 17	+38	286 23	+18	320 11	-4
2 19	-28	89 08	-28	126 10	-6	159 37	+16	218 48	+38	288 03	+18	321 40	-4
4 32	-29	91 12	-27	127 39	-5	161 16	+17	230 31	+39	289 42	+17	323 09	-5
6 52	-30	93 11	-26	129 08	-4	162 56	+18	239 02	+38	291 20	+16	324 39	-6
9 20	-31	95 07	-25	130 37	-3	164 39	+19	244 10	+36	292 57	+15	326 09	-7
11 58	-32	97 00	-24	132 06	-2	166 23	+20	248 15	+35	294 32	+14	327 40	-8
14 47	-33	99 50	-23	133 35	-1	168 09	+21	251 44	+34	296 07	+13	329 11	-9
17 52	-34	100 38	-22	135 05	0	169 57	+22	254 51	+34	297 40	+12	330 43	-10
21 20	-35	102 23	-21	136 34	+1	171 48	+23	257 42	+33	299 13	+11	332 16	-11
25 22	-36	104 07	-20	138 03	+2	173 42	+24	260 21	+32	300 45	+10	333 49	-12
30 26	-37	105 49	-19	139 32	+3	175 38	+25	262 50	+31	302 17	+9	335 23	-13
38 52	-38	107 29	-18	141 01	+4	177 39	+26	265 12	+30	303 48	+8	336 58	-14
50 27	-39	109 07	-17	142 31	+5	179 43	+27	267 26	+29	305 18	+7	338 34	-15
58 53	-38	110 45	-16	144 01	+6	181 53	+28	269 36	+28	306 48	+6	340 12	-16
63 57	-37	112 21	-15	145 31	+7	184 07	+29	271 40	+27	308 18	+5	341 50	-17
67 59	-36	113 56	-14	147 02	+8	186 29	+30	273 41	+26	309 47	+4	343 30	-18
71 27	-35	115 30	-13	148 34	+9	188 58	+31	275 37	+25	311 16	+3	345 12	-19
74 32	-34	117 03	-12	150 06	+10	191 37	+32	277 31	+24	312 45	+2	346 56	-20
77 21	-33	118 36	-11	151 39	+11	194 28	+33	279 22	+23	314 14	+1	348 41	-21
79 59	-32	120 08	-10	153 12	+12	197 35	+34	281 10	+22	315 44	0	350 29	-22
82 27	-31	121 39	-9	154 47	+13	201 04	+35	282 56	+21	317 13	-1	352 19	-23
84 47	-30	123 10	-8	156 22	+14	205 09	+36	284 40	+20	318 42	-2	354 12	-24

In critical cases, ascend

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

Polaris: Mag. 2.0, SHA 315° 20', Dec N 89° 21'3

AZIMUTH OF *POLARIS*, 2021

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	359.1	359.0
20	0.3	0.3	0.4	0.5	0.5	0.7	0.8	200	359.7	359.7	359.6	359.5	359.5	359.4	359.2
30	0.2	0.2	0.3	0.3	0.3	0.4	0.5	210	359.8	359.8	359.7	359.7	359.7	359.6	359.5
40	0.1	0.1	0.1	0.1	0.1	0.1	0.2	220	359.9	359.9	359.9	359.9	359.9	359.9	359.9
50	359.9	359.9	359.9	359.9	359.9	359.9	359.8	230	0.1	0.1	0.1	0.1	0.1	0.1	0.2
60	359.8	359.8	359.7	359.7	359.7	359.6	359.5	240	0.2	0.2	0.3	0.3	0.3	0.4	0.5
70	359.7	359.7	359.6	359.5	359.4	359.3	359.2	250	0.3	0.3	0.4	0.5	0.5	0.6	0.8
80	359.6	359.6	359.4	359.3	359.2	359.1	358.9	260	0.4	0.4	0.6	0.6	0.7	0.9	1.1
90	359.5	359.5	359.3	359.2	359.1	358.9	358.6	270	0.5	0.5	0.7	0.8	0.9	1.1	1.3
100	359.5	359.4	359.2	359.1	358.9	358.7	358.4	280	0.5	0.6	0.8	0.9	1.0	1.2	1.5
110	359.4	359.3	359.1	359.0	358.8	358.6	358.3	290	0.6	0.7	0.9	1.0	1.2	1.4	1.7
120	359.4	359.3	359.0	358.9	358.7	358.5	358.2	300	0.6	0.7	1.0	1.1	1.2	1.5	1.8
130	359.4	359.3	359.0	358.9	358.7	358.5	358.1	310	0.6	0.7	1.0	1.1	1.3	1.5	1.9
140	359.4	359.3	359.0	358.9	358.7	358.5	358.1	320	0.6	0.7	1.0	1.1	1.3	1.5	1.9
150	359.4	359.3	359.0	358.9	358.8	358.5	358.2	330	0.6	0.7	1.0	1.1	1.3	1.5	1.8
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	1.7
170	359.5	359.4	359.2	359.1	359.0	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).