

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
359 26		87 11		124 26		157 29		208 20		286 19		319 50	
1 32	-28	89 17	-28	125 55	-6	159 06	+16	215 08	+38	287 59	+18	321 19	-4
3 44	-29	91 19	-27	127 24	-5	160 44	+17	233 35	+39	289 37	+17	322 48	-5
6 01	-30	93 16	-26	128 53	-4	162 24	+18	240 23	+38	291 14	+16	324 17	-6
8 26	-31	95 11	-25	130 21	-3	164 05	+19	245 06	+37	292 50	+15	325 46	-7
10 59	-32	97 02	-24	131 49	-2	165 48	+20	248 57	+36	294 24	+14	327 16	-8
13 44	-33	98 51	-23	133 17	-1	167 33	+21	252 18	+35	295 58	+13	328 47	-9
16 43	-34	100 38	-22	134 47	0	169 20	+22	255 19	+34	297 31	+12	330 18	-10
20 02	-35	102 22	-21	136 15	+1	171 10	+23	258 05	+33	299 03	+11	331 50	-11
23 51	-36	104 04	-20	137 43	+2	173 02	+24	260 40	+32	300 34	+10	333 22	-12
28 31	-37	105 45	-19	139 11	+3	174 57	+25	263 06	+31	303 35	+9	333 22	-13
35 14	-38	107 24	-18	140 40	+4	176 56	+26	265 25	+30	305 05	+8	334 55	-14
53 29	-39	109 02	-17	142 09	+5	178 58	+27	267 37	+29	305 05	+7	336 30	-15
60 12	-38	110 38	-16	143 38	+6	181 06	+28	269 45	+28	306 34	+6	338 05	-16
64 52	-37	112 13	-15	145 08	+7	183 18	+29	271 47	+27	308 03	+5	339 41	-17
68 41	-36	113 48	-14	146 38	+8	185 37	+30	273 46	+26	309 32	+4	341 19	-18
72 00	-35	115 21	-13	148 09	+9	188 03	+31	275 41	+25	311 00	+3	342 58	-19
74 59	-34	116 53	-12	149 40	+10	190 38	+32	277 33	+24	312 28	+2	344 39	-20
77 44	-33	118 25	-11	151 12	+11	193 24	+33	279 23	+23	313 56	+1	346 21	-21
80 17	-32	119 56	-10	152 45	+12	196 25	+34	281 10	+22	315 26	0	348 05	-22
82 42	-31	121 27	-9	154 19	+13	199 46	+35	282 55	+21	316 54	-1	349 52	-23
84 59	-30	122 57	-8	155 53	+14	203 37	+36	284 38	+20	318 22	-2	351 41	-24
87 11	-29	124 26	-7	157 29	+15	208 20	+37	286 19	+19	319 50	-3	353 32	-25

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° 38', Dec N89° 21'0

AZIMUTH OF POLARIS, 2020

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	0.6	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	359.8	359.7	359.7	359.6	359.5
40	0.0	0.1	0.1	0.1	0.1	0.1	0.1	220	0.0	359.9	359.9	359.9	359.9	359.9	359.9
50	359.9	359.9	359.9	359.9	359.9	359.8	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	359.6	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	0.6	0.7	0.8
80	359.6	359.6	359.4	359.3	359.2	359.1	358.9	260	0.4	0.4	0.6	0.7	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	1.1	1.3	1.5
110	359.4	359.3	359.1	359.0	358.8	358.6	358.2	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	358.1	300	0.6	0.7	1.0	1.1	1.3	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).