

FOR DETERMINING THE LATITUDE FROM A SEXTANT ALTITUDE

LHA Aries	<i>Q</i>	LHA Aries	<i>Q</i>	LHA Aries	<i>Q</i>	LHA Aries	<i>Q</i>	LHA Aries	<i>Q</i>	LHA Aries	<i>Q</i>	LHA Aries	<i>Q</i>	LHA Aries	<i>Q</i>
° /		° /		° /		° /		° /		° /		° /		° /	
359 00		84 30		122 51		155 16		198 45		281 40		315 44		349 24	
1 05	−26	86 52	−29	124 24	−8	156 53	+13	202 18	+34	283 30	+21	317 16	0	351 14	−21
3 15	−27	89 08	−28	125 57	−7	158 32	+14	206 25	+35	285 18	+20	318 48	−1	353 06	−22
5 31	−28	91 18	−27	127 29	−6	160 11	+15	211 38	+36	287 04	+19	320 19	−2	355 00	−23
7 53	−29	93 23	−26	129 01	−5	161 52	+16	220 16	+37	288 48	+18	321 50	−3	356 58	−24
10 23	−30	95 25	−25	130 33	−4	163 35	+17	232 07	+38	290 31	+17	323 22	−4	359 00	−25
13 03	−31	97 23	−24	132 04	−3	165 19	+18	240 45	+37	292 12	+16	324 54	−5	1 05	−26
15 54	−32	99 17	−23	133 35	−2	167 05	+19	245 58	+36	293 51	+15	326 26	−6	3 15	−27
19 02	−33	101 09	−22	135 07	−1	168 53	+20	250 05	+35	295 30	+14	327 59	−7	5 31	−28
22 33	−34	102 59	−21	136 39	0	170 43	+21	253 38	+34	297 07	+13	329 32	−8	7 53	−29
26 38	−35	104 46	−20	138 10	+1	172 35	+22	256 48	+33	298 43	+12	331 06	−9	10 23	−30
31 47	−36	106 31	−19	139 41	+2	174 31	+23	259 41	+32	300 19	+11	332 40	−10	13 03	−31
40 20	−37	108 15	−18	141 13	+3	176 29	+24	262 22	+31	301 54	+10	334 16	−11	15 54	−32
52 03	−38	109 57	−17	142 45	+4	178 32	+25	264 53	+30	303 28	+9	335 52	−12	19 02	−33
60 36	−37	111 37	−16	144 17	+5	180 38	+26	267 17	+29	305 01	+8	337 29	−13	22 33	−34
65 45	−36	113 16	−15	145 49	+6	182 49	+27	269 34	+28	306 34	+7	339 07	−14	26 38	−35
69 50	−35	114 54	−14	147 22	+7	185 06	+28	271 45	+27	308 06	+6	340 46	−15	31 47	−36
73 21	−34	116 31	−13	148 55	+8	187 30	+29	273 51	+26	309 38	+5	342 26	−16	40 20	−37
76 29	−33	118 07	−12	150 29	+9	190 01	+30	275 54	+25	311 10	+4	344 08	−17	52 03	−38
79 20	−32	119 43	−11	152 04	+10	192 42	+31	277 52	+24	312 42	+3	345 52	−18	60 36	−37
82 00	−31	121 17	−10	153 40	+11	195 35	+32	279 48	+23	314 13	+2	347 37	−19	65 45	−36
84 30	−30	122 51	−9	155 16	+12	198 45	+33	281 40	+22	315 44	+1	349 24	−20	69 50	−35

*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 313° 48', Dec N 89° 22'3AZIMUTH OF *POLARIS*, 2025

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	0.7	0.8	0.9 1.1	190	359.6	359.6	359.4	359.4	359.3	359.1 358.9
20	0.3	0.3	0.4	0.5	0.6	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	0.4	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	0.2 0.2	220	359.9	359.9	359.9	359.9	359.9	359.8 359.8
50	0.0	0.0	359.9	359.9	359.9	359.9 359.9	230	0.0	0.0	0.1	0.1	0.1	0.1 0.1
60	359.9	359.8	359.8	359.7	359.7	359.6 359.5	240	0.1	0.2	0.2	0.3	0.3	0.3 0.4
70	359.7	359.7	359.6	359.6	359.5	359.4 359.2	250	0.3	0.3	0.4	0.4	0.5	0.6 0.7
80	359.7	359.6	359.5	359.4	359.3	359.2 359.0	260	0.3	0.4	0.5	0.6	0.7	0.8 1.0
90	359.6	359.5	359.3	359.2	359.1	359.0 358.7	270	0.4	0.5	0.7	0.7	0.9	1.0 1.2
100	359.5	359.4	359.2	359.1	359.0	358.8 358.5	280	0.5	0.6	0.8	0.9	1.0	1.2 1.5
110	359.4	359.3	359.1	359.0	358.9	358.7 358.3	290	0.6	0.6	0.9	1.0	1.1	1.3 1.6
120	359.4	359.3	359.1	358.9	358.8	358.6 358.2	300	0.6	0.7	0.9	1.0	1.2	1.4 1.7
130	359.4	359.3	359.0	358.9	358.7	358.5 358.2	310	0.6	0.7	1.0	1.1	1.2	1.5 1.8
140	359.4	359.3	359.0	358.9	358.7	358.5 358.2	320	0.6	0.7	1.0	1.1	1.3	1.5 1.8
150	359.4	359.3	359.1	358.9	358.8	358.6 358.2	330	0.6	0.7	1.0	1.1	1.2	1.5 1.8
160	359.4	359.3	359.1	359.0	358.9	358.7 358.3	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).