

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
$^{\circ}$	$'$	$^{\circ}$	$'$	$^{\circ}$	$'$	$^{\circ}$	$'$	$^{\circ}$	$'$	$^{\circ}$	$'$	$^{\circ}$	$'$	$^{\circ}$	$'$
359 52	-26	89 05	-27	126 19	-6	159 10	+15	208 13	+36	289 01	+17	322 20	-4	357 49	-25
1 59	-27	91 18	-26	127 52	-5	160 51	+16	213 59	+37	290 44	+16	323 52	-5	359 52	-26
4 12	-28	93 25	-25	129 25	-4	162 33	+17	239 18	+36	292 26	+15	325 25	-6	1 59	-27
6 30	-29	95 28	-24	130 57	-3	164 16	+18	245 04	+35	294 07	+14	326 58	-7	4 12	-28
8 55	-30	97 28	-23	132 29	-2	166 01	+19	249 28	+34	295 46	+13	328 31	-8	6 30	-29
11 28	-31	99 24	-22	134 01	-1	167 49	+20	253 10	+33	297 24	+12	330 05	-9	8 55	-30
14 12	-32	101 17	-21	135 33	0	169 38	+21	256 27	+32	299 01	+11	331 40	-10	11 28	-31
17 09	-33	103 08	-20	137 06	+1	171 29	+22	259 25	+31	300 38	+10	333 15	-11	14 12	-32
20 23	-34	104 57	-19	138 38	+2	173 23	+23	262 11	+30	302 13	+9	334 51	-12	17 09	-33
24 03	-35	106 43	-18	140 10	+3	175 20	+24	264 45	+29	303 48	+8	336 28	-13	20 23	-34
28 24	-36	108 28	-17	141 43	+4	177 20	+25	267 12	+28	305 22	+7	338 06	-14	24 03	-35
34 07	-37	110 11	-16	143 15	+5	179 24	+26	269 31	+27	306 56	+6	339 45	-15	28 24	-36
59 10	-36	111 52	-15	144 48	+6	181 33	+27	271 44	+26	308 29	+5	341 25	-16	34 07	-37
64 53	-35	113 32	-14	146 21	+7	183 46	+28	273 53	+25	310 02	+4	343 06	-17	59 10	-36
69 14	-34	115 11	-13	147 55	+8	186 05	+29	275 57	+24	311 34	+3	344 49	-18	64 53	-35
72 54	-33	116 49	-12	149 29	+9	188 32	+30	277 57	+23	313 07	+2	346 34	-19	69 14	-34
76 08	-32	118 26	-11	151 04	+10	191 06	+31	279 54	+22	314 39	+1	348 20	-20	72 54	-33
79 05	-31	120 02	-10	152 39	+11	193 52	+32	281 48	+21	316 11	0	350 09	-21	76 08	-32
81 49	-30	121 37	-9	154 16	+12	196 50	+33	283 39	+20	317 44	-1	352 00	-22	79 05	-31
84 22	-29	123 12	-8	155 53	+13	200 07	+34	285 28	+19	319 16	-2	353 53	-23	81 49	-30
86 47	-28	124 46	-7	157 31	+14	203 49	+35	287 16	+18	320 48	-3	355 49	-24	84 22	-29
89 05	-27	126 19	-6	159 10	+15	208 13	+36	289 01	+17	322 20	-4	357 49	-25	86 47	-28

In critical cases, ascend Q , which does not include refraction, is to be applied to the corrected sextant altitude of *Polaris*.*Polaris*: Mag. 2.0, SHA 313° 21', Dec N 89° 22'6AZIMUTH OF *POLARIS*, 2026

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	359.6	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	359.7	359.6	240	0.1	0.2	0.2	0.2	0.3	0.3	0.4
70	359.8	359.7	359.6	359.6	359.5	359.4	359.3	250	0.2	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	0.8	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	1.4
110	359.4	359.4	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	359.0	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	358.8	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	358.8	358.5	358.2	320	0.6	0.7	1.0	1.1	1.2	1.5	1.8
150	359.4	359.3	359.1	358.9	358.8	358.6	358.2	330	0.6	0.7	0.9	1.1	1.2	1.4	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	1.2	1.5
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).