

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>
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358 18	−26	84 28	−29	122 30	−8	154 45	+13	197 45	+34	281 28	+21	315 20	0
0 22	−27	86 48	−28	124 03	−7	156 21	+14	201 12	+35	283 17	+20	316 51	−1
2 31	−28	89 02	−27	125 35	−6	157 59	+15	205 10	+36	285 04	+19	318 22	−2
4 45	−29	91 11	−26	127 07	−5	159 38	+16	210 05	+37	286 50	+18	319 53	−3
7 05	−30	93 15	−25	128 38	−4	161 18	+17	217 24	+38	288 33	+17	321 24	−4
9 33	−31	95 15	−24	130 09	−3	163 00	+18	234 09	+39	290 15	+16	322 55	−5
12 10	−32	97 12	−23	131 40	−2	164 43	+19	241 28	+40	291 55	+15	324 26	−6
14 59	−33	99 06	−22	133 11	−1	166 29	+20	246 23	+41	293 34	+14	325 58	−7
18 03	−34	100 57	−21	134 42	0	168 16	+21	250 21	+42	295 12	+13	327 30	−8
21 28	−35	102 45	−20	136 13	+1	170 05	+22	253 48	+43	296 48	+12	329 03	−9
25 24	−36	104 32	−19	137 44	+2	171 57	+23	256 53	+44	298 24	+11	330 36	−10
30 15	−37	106 16	−18	139 15	+3	173 51	+24	259 44	+45	299 59	+10	332 10	−11
37 30	−38	107 59	−17	140 46	+4	175 49	+25	262 22	+46	301 33	+9	333 45	−12
54 03	−39	109 41	−16	142 17	+5	177 50	+26	264 51	+47	303 07	+8	335 20	−13
61 18	−40	111 20	−15	143 49	+6	179 55	+27	267 13	+48	304 40	+7	336 57	−14
66 09	−41	112 59	−14	145 21	+7	182 05	+28	269 28	+49	306 12	+6	338 34	−15
70 05	−42	114 36	−13	146 53	+8	184 20	+29	271 38	+50	307 44	+5	340 13	−16
73 30	−43	116 13	−12	148 26	+9	186 42	+30	273 43	+51	309 16	+4	341 52	−17
76 34	−44	117 48	−11	150 00	+10	189 11	+31	275 44	+52	310 47	+3	343 34	−18
79 23	−45	119 23	−10	151 34	+11	191 49	+32	277 42	+53	312 18	+2	345 17	−19
82 00	−46	120 57	−9	153 09	+12	194 40	+33	279 36	+54	313 49	+1	347 01	−20
84 28		122 30		154 45		197 45		281 28		315 20		348 48	

*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 314° 13', Dec N 89° 22'1AZIMUTH OF *POLARIS*, 2024

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	0.3	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	0.2	0.2	220	359.9	359.9	359.9	359.9	359.9	359.9	359.8
50	0.0	359.9	359.9	359.9	359.9	359.9	359.9	230	0.0	0.1	0.1	0.1	0.1	0.1	0.1
60	359.8	359.8	359.8	359.7	359.7	359.6	359.5	240	0.2	0.2	0.2	0.3	0.3	0.4	0.4
70	359.7	359.7	359.6	359.5	359.5	359.4	359.2	250	0.3	0.3	0.4	0.4	0.5	0.6	0.7
80	359.6	359.6	359.4	359.4	359.3	359.1	358.9	260	0.4	0.4	0.5	0.6	0.7	0.8	1.0
90	359.6	359.5	359.3	359.2	359.1	358.9	358.7	270	0.4	0.5	0.7	0.8	0.9	1.0	1.3
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	358.6	358.3	290	0.6	0.7	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	1.1	1.2	1.4	1.8
130	359.4	359.3	359.0	358.9	358.7	358.5	358.2	310	0.6	0.7	1.0	1.1	1.3	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).