

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
359 28	-29	87 31	-28	125 13		159 17	+18	230 34	+39	289 18	+16	323 14	-7	1 33	-30
1 33	-30	89 32	-27	126 40	-5	160 54	+19	238 15	+38	290 52	+15	324 41	-8	3 44	-31
3 44	-31	91 29	-26	128 06	-3	162 33	+20	243 10	+37	292 26	+14	326 09	-9	6 01	-32
6 01	-32	93 23	-25	129 33	-2	164 13	+21	247 07	+36	293 58	+13	327 38	-10	8 26	-33
8 26	-33	95 14	-24	131 00	-1	165 55	+22	250 31	+35	295 30	+12	329 07	-11	11 00	-34
11 00	-34	97 02	-23	132 26	0	167 39	+23	253 33	+34	297 00	+11	330 37	-12	13 45	-35
13 45	-35	98 47	-22	133 53	+1	169 25	+24	256 21	+33	298 30	+10	332 07	-13	16 46	-36
16 46	-36	100 30	-21	135 20	+2	171 14	+25	258 56	+32	300 00	+9	333 38	-14	20 08	-37
20 08	-37	102 12	-20	136 46	+3	173 05	+26	261 22	+31	301 29	+8	335 10	-15	24 02	-38
24 02	-38	103 51	-19	138 13	+4	175 00	+27	263 40	+30	302 57	+7	336 43	-16	28 54	-39
28 54	-39	105 30	-18	139 40	+5	176 58	+28	265 52	+29	304 25	+6	338 18	-17	36 30	-40
36 30	-40	107 06	-17	141 07	+6	179 00	+29	267 59	+28	305 52	+5	339 53	-18	50 29	-39
50 29	-39	108 41	-16	142 34	+7	181 07	+30	270 01	+27	307 19	+4	341 29	-19	58 05	-38
58 05	-38	110 16	-15	144 02	+8	183 19	+31	271 59	+26	308 46	+3	343 08	-20	62 57	-37
62 57	-37	111 49	-14	145 30	+9	185 37	+32	273 54	+25	310 13	+2	344 47	-21	66 51	-36
66 51	-36	113 21	-13	146 59	+10	188 03	+33	275 45	+24	311 39	+1	346 29	-22	70 13	-35
70 13	-35	114 52	-12	148 29	+11	190 38	+34	277 34	+23	313 06	0	348 12	-23	73 14	-34
73 14	-34	116 22	-11	149 59	+12	193 26	+35	279 20	+22	314 33	-1	349 57	-24	75 59	-33
75 59	-33	117 52	-10	151 29	+13	196 28	+36	281 04	+21	315 59	-2	351 45	-25	78 33	-32
78 33	-32	119 21	-9	153 01	+14	199 52	+37	282 46	+20	317 26	-3	353 36	-26	80 58	-31
80 58	-31	120 50	-8	154 33	+15	203 49	+38	284 26	+19	318 53	-4	355 30	-27	83 15	-30
83 15	-30	122 18	-7	156 07	+16	208 44	+39	286 05	+18	320 19	-5	357 27	-28	85 26	-29
85 26	-29	123 45	-6	157 41	+17	216 25	+40	287 42	+17	321 46	-6	359 28	-29	87 31	-28
87 31		125 13		159 17		230 34		289 18		323 14		1 33		89 32	

In critical cases, ascend

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

Polaris: Mag. 2.1, SHA 316° 30', Dec N 89° 20'2

AZIMUTH OF POLARIS, 2017

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	359.2	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	0.2	0.3	0.3	0.4	0.5	210	359.8	359.8	359.8	359.7	359.7	359.6	359.6
40	0.0	0.0	0.1	0.1	0.1	0.1	0.1	220	0.0	0.0	359.9	359.9	359.9	359.9	359.9
50	359.9	359.9	359.9	359.9	359.8	359.8	359.8	230	0.1	0.1	0.1	0.1	0.1	0.2	0.2
60	359.8	359.8	359.7	359.7	359.6	359.5	359.4	240	0.2	0.2	0.3	0.3	0.4	0.4	0.5
70	359.7	359.7	359.5	359.5	359.4	359.3	359.1	250	0.3	0.3	0.5	0.5	0.6	0.7	0.8
80	359.6	359.5	359.4	359.3	359.2	359.0	358.8	260	0.4	0.5	0.6	0.7	0.8	0.9	1.1
90	359.5	359.4	359.2	359.2	359.0	358.8	358.6	270	0.5	0.6	0.7	0.8	0.9	1.1	1.4
100	359.4	359.4	359.1	359.0	358.9	358.7	358.4	280	0.6	0.6	0.9	1.0	1.1	1.3	1.6
110	359.4	359.3	359.0	358.9	358.8	358.5	358.2	290	0.6	0.7	0.9	1.1	1.2	1.4	1.8
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	1.9
130	359.3	359.2	359.0	358.8	358.7	358.4	358.1	310	0.7	0.8	1.0	1.2	1.3	1.6	1.9
140	359.3	359.2	359.0	358.9	358.7	358.4	358.1	320	0.7	0.8	1.0	1.2	1.3	1.6	1.9
150	359.4	359.3	359.0	358.9	358.7	358.5	358.2	330	0.6	0.7	1.0	1.1	1.3	1.5	1.9
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	1.8
170	359.5	359.4	359.2	359.1	358.9	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).