

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
358 58	-30	85 35	-29	122 45	- 6	155 53	+17	208 15	+40	283 56	+19	317 33	- 4	353 10	-27
1 03	-31	87 35	-28	124 10	- 5	157 27	+18	216 34	+41	285 32	+18	318 58	- 5	355 02	-28
3 12	-32	89 31	-27	125 35	- 4	159 01	+19	227 59	+41	287 06	+17	320 23	- 6	356 58	-29
5 29	-33	91 23	-26	127 00	- 3	160 37	+20	236 18	+40	288 40	+16	321 48	- 7	358 58	-30
7 52	-34	93 13	-25	128 24	- 2	162 14	+21	241 18	+39	290 12	+15	323 14	- 8	1 03	-31
10 25	-35	94 59	-24	129 49	- 1	163 53	+22	245 16	+38	291 43	+14	324 40	- 9	3 12	-32
13 10	-36	96 43	-23	131 13	0	165 34	+23	248 41	+37	293 13	+13	326 07	-10	5 29	-33
16 10	-37	98 25	-22	132 39	+ 1	167 16	+24	251 43	+36	294 42	+12	327 34	-11	7 52	-34
19 33	-38	100 06	-21	134 03	+ 2	169 01	+25	254 29	+35	296 11	+11	329 01	-12	10 25	-35
23 28	-39	101 44	-20	135 28	+ 3	170 49	+26	257 04	+34	297 39	+10	330 29	-13	13 10	-36
28 25	-40	103 21	-19	136 53	+ 4	172 39	+27	259 29	+33	299 06	+ 9	331 58	-14	16 10	-37
36 38	-41	104 56	-18	138 18	+ 5	174 32	+28	261 46	+32	300 33	+ 8	333 28	-15	19 33	-38
47 55	-40	106 30	-17	139 43	+ 6	176 29	+29	263 57	+31	301 59	+ 7	334 59	-16	23 28	-39
56 08	-39	108 02	-16	141 08	+ 7	178 30	+30	266 03	+30	303 25	+ 6	336 31	-17	28 25	-40
61 05	-38	109 34	-15	142 34	+ 8	180 36	+31	268 04	+29	304 50	+ 5	338 03	-18	36 38	-41
65 00	-37	111 05	-14	144 00	+ 9	182 47	+32	270 01	+28	306 15	+ 4	339 37	-19	47 55	-40
68 23	-36	112 35	-13	145 27	+10	185 04	+33	271 54	+27	307 40	+ 3	341 12	-20	56 08	-39
71 23	-35	114 04	-12	146 54	+11	187 29	+34	273 44	+26	309 05	+ 2	342 49	-21	61 05	-38
74 08	-34	115 32	-11	148 22	+12	190 04	+35	275 32	+25	310 30	+ 1	344 27	-22	65 00	-37
76 41	-33	116 59	-10	149 51	+13	192 50	+36	277 17	+24	311 54	+ 0	346 08	-23	68 23	-36
79 04	-32	118 26	- 9	151 20	+14	195 52	+37	278 59	+23	313 20	- 1	347 50	-24	71 23	-35
81 21	-31	119 53	- 8	152 50	+15	199 17	+38	280 40	+22	314 44	- 2	349 34	-25	74 08	-34
83 30	-30	121 19	- 7	154 21	+16	203 15	+39	282 19	+21	316 09	- 3	351 20	-26	76 41	-33
85 35	-30	122 45	- 7	155 53	+16	208 15	+39	283 56	+20	317 33	- 3	353 10	-26	79 04	-33

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 317° 43', Dec N89° 19'3

AZIMUTH OF POLARIS, 2013

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	359.6	359.5	359.4	359.3
30	0.1	0.2	0.2	0.3	0.3	0.3	0.4	210	359.9	359.8	359.8	359.8	359.7	359.7	359.6
40	0.0	0.0	0.0	0.0	0.1	0.1	0.1	220	0.0	0.0	0.0	0.0	359.9	359.9	359.9
50	359.9	359.9	359.9	359.8	359.8	359.8	359.7	230	0.1	0.1	0.1	0.2	0.2	0.2	0.3
60	359.8	359.8	359.7	359.6	359.6	359.5	359.4	240	0.2	0.2	0.3	0.4	0.4	0.5	0.6
70	359.7	359.6	359.5	359.4	359.4	359.2	359.1	250	0.3	0.4	0.5	0.5	0.6	0.7	0.9
80	359.6	359.5	359.3	359.3	359.2	359.0	358.8	260	0.4	0.5	0.6	0.7	0.8	1.0	1.2
90	359.5	359.4	359.2	359.1	359.0	358.8	358.5	270	0.5	0.6	0.8	0.9	1.0	1.2	1.4
100	359.4	359.3	359.1	359.0	358.8	358.6	358.3	280	0.6	0.7	0.9	1.0	1.1	1.3	1.6
110	359.4	359.3	359.0	358.9	358.7	358.5	358.1	290	0.6	0.7	1.0	1.1	1.2	1.5	1.8
120	359.3	359.2	359.0	358.8	358.7	358.4	358.0	300	0.7	0.8	1.0	1.2	1.3	1.6	1.9
130	359.3	359.2	358.9	358.8	358.6	358.4	358.0	310	0.7	0.8	1.1	1.2	1.4	1.6	2.0
140	359.3	359.2	359.0	358.8	358.7	358.4	358.0	320	0.7	0.8	1.0	1.2	1.3	1.6	2.0
150	359.4	359.3	359.0	358.9	358.7	358.5	358.1	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	1.1	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).