

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 20	-30	85 31	-29	122 26	- 6	155 25	+17	206 49	+40	283 45	+19	317 11	- 4	352 35	-27
0 23	-31	87 30	-28	123 51	- 5	156 57	+18	213 52	+41	285 20	+18	318 35	- 5	354 26	-28
2 31	-32	89 25	-27	125 16	- 4	158 31	+19	229 59	+41	286 54	+18	320 00	- 6	356 21	-29
4 45	-33	91 16	-26	126 40	- 3	160 06	+20	237 02	+40	288 26	+17	321 25	- 7	358 20	-30
7 07	-34	93 05	-25	128 04	- 2	161 43	+21	241 45	+39	289 58	+16	322 50	- 8	0 23	-31
9 38	-35	94 51	-24	129 28	- 1	163 21	+22	245 35	+38	291 28	+15	324 16	- 9	2 31	-32
12 19	-36	96 34	-23	130 53	0	165 01	+23	248 54	+37	292 58	+14	325 42	-10	4 45	-33
15 16	-37	98 15	-22	132 18	1	166 43	+24	251 52	+36	294 27	+13	327 08	-11	7 07	-34
18 32	-38	99 55	-21	133 42	+ 1	168 28	+25	254 35	+35	295 55	+12	328 35	-12	9 38	-35
22 19	-39	101 33	-20	135 06	+ 2	170 14	+26	257 07	+34	297 22	+11	330 03	-13	12 19	-36
26 59	-40	103 09	-19	136 30	+ 3	172 03	+27	259 30	+33	298 49	+10	331 32	-14	15 16	-37
33 58	-41	104 43	-18	137 55	+ 4	173 56	+28	261 46	+32	299 15	+ 9	333 01	-15	18 32	-38
49 53	-42	106 17	-17	139 19	+ 5	175 52	+29	263 55	+31	300 15	+ 8	334 31	-16	22 19	-39
56 52	-43	107 49	-16	140 44	+ 6	177 51	+30	266 00	+30	301 41	+ 7	336 02	-17	26 59	-40
61 32	-38	109 20	-15	142 10	+ 7	179 56	+31	267 59	+29	303 07	+ 6	337 34	-18	33 58	-41
65 19	-37	110 50	-14	143 36	+ 8	182 05	+32	269 55	+28	305 56	+ 5	339 08	-19	49 53	-42
68 35	-36	112 19	-13	145 02	+ 9	184 21	+33	271 48	+27	307 21	+ 4	340 42	-20	56 52	-43
71 32	-35	113 48	-12	146 29	+10	186 44	+34	273 37	+26	308 45	+ 3	342 18	-21	61 32	-38
74 13	-34	115 16	-11	147 56	+11	189 16	+35	275 23	+25	310 09	+ 2	343 56	-22	65 19	-37
76 44	-33	116 43	-10	149 24	+12	191 59	+36	277 08	+24	311 33	+ 1	345 36	-23	68 35	-36
79 06	-32	118 09	- 9	150 53	+13	194 57	+37	278 50	+23	312 58	0	347 17	-24	71 32	-35
81 20	-31	119 35	- 8	152 23	+14	198 16	+38	280 30	+22	314 23	- 1	349 00	-25	74 13	-34
83 28	-30	121 01	- 7	153 53	+15	202 06	+39	282 08	+21	315 47	- 2	350 46	-26	76 44	-33
85 31	-30	122 26	- 7	155 25	+16	206 49	+40	283 45	+20	317 11	- 3	352 35	-26	79 06	-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 318° 04', Dec N89° 19'1

AZIMUTH OF POLARIS, 2012

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	0.2	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	0.0	0.1	0.1	220	0.0	0.0	0.0	0.0	0.0	359.9	359.9
50	359.9	359.9	359.8	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	359.3	359.2	359.0	250	0.3	0.4	0.5	0.6	0.6	0.7	0.9
80	359.6	359.5	359.3	359.3	359.1	359.0	358.7	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	1.5
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	1.4	1.7
110	359.4	359.3	359.0	358.9	358.7	358.5	358.1	290	0.6	0.7	1.0	1.1	1.3	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	1.1	1.2	1.4	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).