

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 21	-31	87 11	-28	122 51	-5	155 27	+18	208 08		284 38	+18	317 23	-5	352 35	-28
0 25	-32	89 02	-27	124 14	-4	156 59	+19	233 29	+41	286 10	+18	318 46	-5	354 26	-28
2 35	-33	90 51	-26	125 37	-3	158 32	+20	238 46	+40	287 41	+17	320 10	-6	356 22	-29
4 51	-34	92 37	-25	127 00	-2	160 07	+21	242 51	+39	289 11	+16	321 34	-7	358 21	-30
7 15	-35	94 20	-24	128 23	-1	161 43	+22	246 19	+38	290 40	+15	322 58	-8	0 25	-31
9 48	-36	96 02	-23	129 46	0	163 21	+23	249 23	+37	292 09	+14	324 23	-9	2 35	-32
12 34	-37	97 41	-22	131 10	+1	165 01	+24	252 10	+36	293 36	+13	325 48	-10	4 51	-33
15 36	-38	99 18	-21	132 33	+2	166 43	+25	254 46	+35	295 03	+12	327 14	-11	7 15	-34
19 02	-39	100 54	-20	133 55	+3	168 27	+26	257 11	+34	296 29	+11	328 41	-12	9 48	-35
23 04	-40	102 28	-19	135 19	+4	170 14	+27	259 28	+33	297 54	+10	330 08	-13	12 34	-36
28 17	-41	104 01	-18	136 42	+5	172 04	+28	261 39	+32	299 19	+9	331 35	-14	15 36	-37
53 20	-40	105 33	-17	138 05	+6	173 56	+29	263 44	+31	300 44	+8	333 04	-15	19 02	-38
58 33	-39	107 03	-16	139 29	+7	175 53	+30	265 44	+30	302 08	+7	334 34	-16	23 04	-39
62 35	-38	108 33	-15	140 53	+8	177 53	+31	267 41	+29	303 32	+6	336 04	-17	28 17	-40
66 01	-37	110 02	-14	142 18	+9	179 58	+32	269 33	+28	304 55	+5	337 36	-18	53 20	-41
69 03	-36	111 29	-13	143 43	+10	182 09	+33	271 23	+27	306 18	+4	339 09	-19	58 33	-40
71 49	-35	112 56	-12	145 08	+11	184 26	+34	273 10	+26	307 42	+3	340 43	-20	58 33	-39
74 22	-34	114 23	-11	146 34	+12	186 51	+35	275 04	+25	309 04	+2	342 19	-21	62 35	-38
76 46	-33	115 49	-10	148 01	+13	189 27	+36	276 36	+24	310 27	+1	344 56	-22	66 01	-37
79 02	-32	117 14	-9	149 28	+14	192 14	+37	278 16	+23	311 51	0	345 35	-23	69 03	-36
81 12	-31	118 39	-8	150 57	+15	195 18	+38	279 54	+22	313 14	-1	347 17	-24	71 49	-35
83 16	-30	120 03	-7	152 26	+16	198 46	+39	281 30	+21	314 37	-2	349 00	-25	74 22	-34
85 15	-29	121 27	-6	153 56	+17	202 51	+40	283 05	+20	316 00	-3	350 46	-26	76 46	-33
87 11	-29	122 51	-6	155 27	+17	208 08	+40	284 38	+19	317 23	-4	352 35	-27	79 02	-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 319° 11', Dec N89° 18'5

AZIMUTH OF POLARIS, 2009

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	359.0	358.7
10	0.4	0.4	0.6	0.6	0.7	0.9	1.1	190	359.6	359.6	359.5	359.4	359.3	359.2	359.0
20	0.2	0.3	0.4	0.4	0.5	0.6	0.7	200	359.8	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	359.9	359.8	359.8	359.7	359.7	359.6
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	220	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50	359.9	359.9	359.8	359.8	359.8	359.7	359.7	230	0.1	0.1	0.2	0.2	0.2	0.3	0.3
60	359.8	359.7	359.6	359.6	359.5	359.4	359.3	240	0.2	0.3	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	0.7	0.8	1.0
80	359.6	359.5	359.3	359.2	359.1	358.9	358.7	260	0.4	0.5	0.7	0.8	0.9	1.0	1.2
90	359.5	359.4	359.2	359.1	358.9	358.7	358.4	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	358.2	280	0.6	0.7	0.9	1.0	1.2	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	1.9
120	359.3	359.2	358.9	358.8	358.6	358.4	358.0	300	0.7	0.8	1.1	1.2	1.4	1.6	2.0
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	358.9	358.8	358.6	358.4	358.0	320	0.7	0.8	1.1	1.2	1.4	1.6	2.0
150	359.3	359.2	359.0	358.9	358.7	358.5	358.1	330	0.7	0.8	1.0	1.1	1.3	1.6	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	359.0	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).