

**U.S. Naval Observatory  
Astronomical Applications Department**

**Celestial Navigation Data**

**Celestial Navigation Data for 1937 Jul 2 at 4:59:00 UT**

For Assumed Position: Latitude N 7 20.0  
Longitude E 152 00.0

Object	Almanac Data				Altitude Corrections			
	GHA	Dec	Hc	Zn	Refr	SD	PA	Sum
	° ' "	° ' "	° ' "	°	' "	' "	' "	' "
SUN	253 49.0	N23 04.7	-1.1	15.7	0.1	14.8		
MARS	128 02.6	S20 02.3	+ 6 49.2	111.3	-7.5	0.1	0.2	-7.1
ACRUX	168 47.2	S62 45.6	+13 47.0	162.7	-3.9	0.0	0.0	-3.9
ADHARA	250 31.8	S28 53.2	+35 19.8	226.5	-1.4	0.0	0.0	-1.4
ALDEBARA	286 29.2	N16 23.1	+13 03.5	285.2	-4.1	0.0	0.0	-4.1
ALIOTH	161 44.7	N56 18.1	+29 07.4	27.3	-1.8	0.0	0.0	-1.8
ALKAID	148 17.6	N49 37.7	+24 55.1	38.1	-2.1	0.0	0.0	-2.1
ALNILAM	271 18.6	S 1 14.4	+26 16.3	265.0	-2.0	0.0	0.0	-2.0
ALPHARD	213 26.4	S 8 23.3	+73 22.1	199.1	-0.3	0.0	0.0	-0.3
ALPHECCA	121 33.1	N26 55.5	+ 6 27.8	63.6	-7.8	0.0	0.0	-7.8
ARCTURUS	141 21.6	N19 30.5	+24 24.8	71.9	-2.2	0.0	0.0	-2.2
AVIOR	229 16.1	S59 18.7	+21 13.2	191.5	-2.5	0.0	0.0	-2.5
BELLATRI	274 07.5	N 6 17.7	+24 23.6	273.6	-2.2	0.0	0.0	-2.2
BETELGEU	266 37.4	N 7 23.8	+31 54.4	274.2	-1.6	0.0	0.0	-1.6
CANOPUS	258 56.1	S52 39.7	+16 07.1	209.4	-3.4	0.0	0.0	-3.4
CAPELLA	276 33.2	N45 56.1	+20 07.0	316.4	-2.7	0.0	0.0	-2.7
DENEbola	178 05.9	N14 55.3	+59 43.8	72.9	-0.6	0.0	0.0	-0.6
DUBHE	189 35.9	N62 05.5	+33 35.6	10.2	-1.5	0.0	0.0	-1.5
ELNATH	273 59.1	N28 33.3	+24 33.3	298.1	-2.2	0.0	0.0	-2.2
GACRUX	167 38.5	S56 46.2	+17 54.2	158.1	-3.0	0.0	0.0	-3.0
GIENAH	171 25.1	S17 11.9	+46 18.6	124.5	-0.9	0.0	0.0	-0.9
HADAR	144 42.6	S60 04.7	+ 6 24.9	153.4	-7.9	0.0	0.0	-7.9
KOCHAB	131 50.6	N74 24.9	+10 45.6	15.4	-5.0	0.0	0.0	-5.0
MENKENT	143 48.7	S36 04.0	+15 53.9	130.8	-3.4	0.0	0.0	-3.4
MIAPLACI	216 26.9	S69 27.9	+12 58.8	183.0	-4.2	0.0	0.0	-4.2
MIRFAK	304 36.3	N49 38.3	+ 1 20.3	319.9	-19.9	0.0	0.0	-19.9
POLLUX	239 11.8	N28 10.7	+53 54.8	309.2	-0.7	0.0	0.0	-0.7
PROCYON	240 33.7	N 5 23.1	+57 35.2	268.5	-0.6	0.0	0.0	-0.6
REGULUS	203 18.4	N12 16.4	+83 14.1	42.7	-0.1	0.0	0.0	-0.1
RIGEL	276 41.2	S 8 16.3	+19 46.7	258.4	-2.7	0.0	0.0	-2.7
RIGIL KE	135 43.3	S60 35.0	+ 2 07.6	152.1	-16.5	0.0	0.0	-16.5
SIRIUS	253 58.3	S16 37.8	+38 36.4	241.8	-1.2	0.0	0.0	-1.2
SPICA	154 05.3	S10 50.3	+33 21.2	108.2	-1.5	0.0	0.0	-1.5
SUHAIL	218 08.8	S43 11.0	+38 38.9	189.5	-1.2	0.0	0.0	-1.2
ZUBENELG	132 42.4	S15 47.1	+11 58.8	107.9	-4.5	0.0	0.0	-4.5
POLARIS	329 17.5	N88 57.7	+ 6 47.6	359.1	-7.5	0.0	0.0	-7.5
ARIES	354 34.1							



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