

Date =

Object =

DR = _____ ° _____ ' _____ "

UT = Zone Time

plus minus hrs

ZT

: :

UT

: :

HeightEye^{above}waterline = _____ ft.

Index Error = _____ on off arc

Watch Error = _____ sec fast slow

ZT = Watch plus minus _____ sec

hs

o ' "

a = altitude intercept = intercept
 aλ = assumed longitude
 aL = assumed latitude
 AP = assumed position (aL + aλ)
 d = difference in declination from hour to hour
 GHA = Greenwich hour angle (=λ).
 GHA and Declination define GP of body
 GP = geographic position of body, where GHA is equivalent to λ and declination is equivalent to lat.
 Hc = height-corrected (corrected altitude)
 Ho = height observed/observed alt.
 HP = horizontal parallax
 Hp = Height Precomputed (can compare directly with hs)
 hs = height sextant
 IC = Index correction
 LHA = Local Hour Angle = angle from the AP longitude to the GHA, measured westward
 MA = Meridian angle = angle from the AP longitude to the GHA, measured east or west
 MA 10°E = LHA 350°
 MainCorr = refraction+semi-diameter combined correction
 Tab = tabulated
 v = variation in GHA compared to sun
 Z = azimuth angle
 Zn = azimuth

		GHA	v*	Dec	d*	HP [▲]
GHA Aries	° ' "	d	h	° ' "	° ' "	° ' "
Corr. Star +	° ' "	m	s	° ' "	° ' "	° ' "
GHA Star	° ' "	v or d Cor'n		° ' "	° ' "	° ' "
if GHA > 360: - 360° 00'		True Values		° ' "	° ' "	° ' "
GHA Star	° ' "	° ' "		° ' "	° ' "	° ' "

aL = _____ ° N

aλ = _____ ° 'W

If object is east of you,
 Zn = Z
 If object is west of you,
 Zn = 360° - Z

Do one or the other of these calculations for MA, but not both. MA may be abbreviated as "t".

For people in western hemisphere:

If object is west of you,

MA = GHA - aλ

GHA

- aλ

MA = _____ °

If object is east of you,

MA = aλ - GHA

aλ

- GHA

MA = _____ °

TAB Decl _____ ° Same Contrary

Zn = _____ °

Tab Hc	° ' "	d	' "	Z =
Cor'n				
Hc	° ' "			
<hr/>				
-Ho				
a			A	

hs	° ' "
IC	' "
<hr/>	
hs ^{corr}	° ' "
dip	' "
<hr/>	
App. Alt.	° ' "
MainCorr.	' "
<hr/>	
HP ¹	' "
<hr/>	
Ho	° ' "
<hr/>	
-Hc	' "
a	T

- * v - planets & moon always positive unless explicitly noted
- ♦ d - positive if decl. increasing negative if decl. decreasing
- ▲ HP - Moon only - always pos.