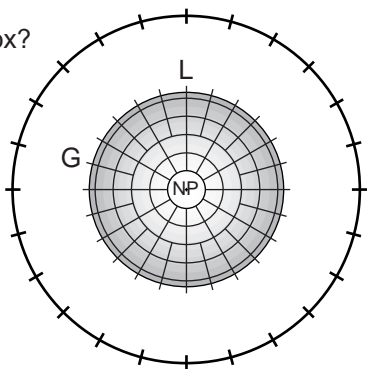


AST101: Longitude Worksheet #2

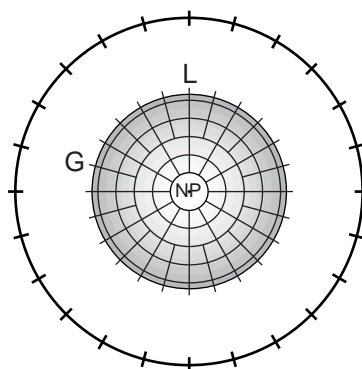
L = local position, G = Greenwich, ☉ = Sun, VE = Vernal Equinox

Where's Vernal Equinox?

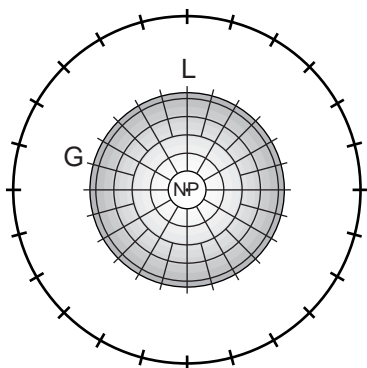
1) Sirius in local transit (RA=7h)



2) LST = 20h



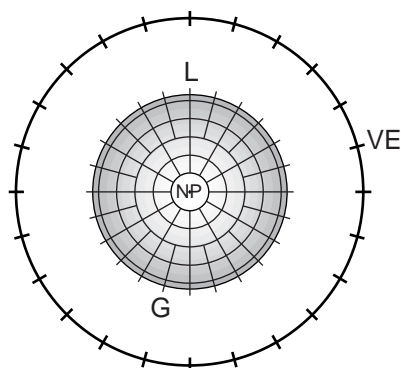
3) GST = 13h



1) LST =

2) GST =

3) Long. =

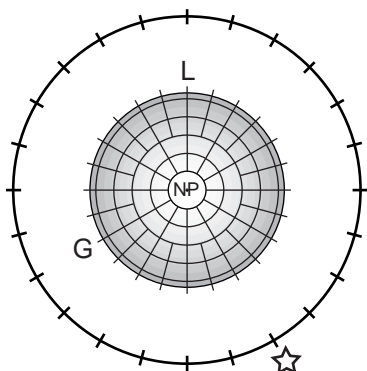


RA of Altair = 20h

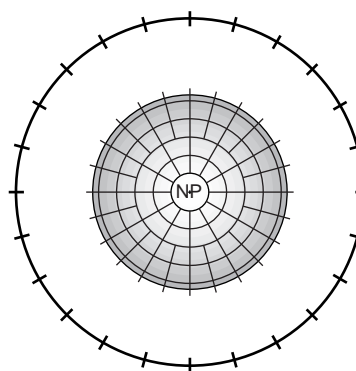
1) LST =

2) GST =

3) Long. =



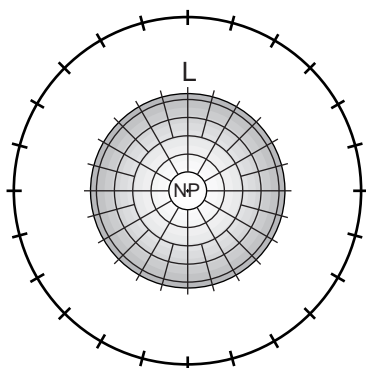
LST = 4h,
GST = 17h
1) Long. =



1) LMT = 2 pm.
Where is the Sun?

2) Date = June 21.
Where is VE?

3) LST = ?



1) Long. = 75°E.
Where is Greenwich?

2) GST = 14h.
Where is VE?

3) Date = Sept. 23.
Where is Sun?

