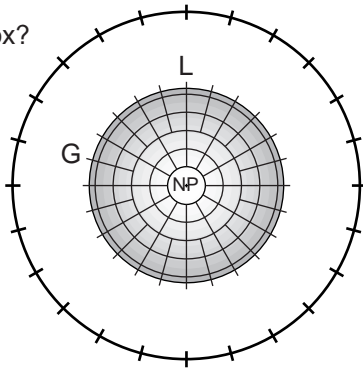


AST101: Longitude Worksheet #2

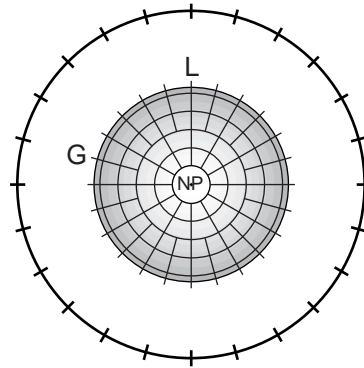
L = local position, G = Greenwich, ☉ = Sun, VE = Vernal Equinox

Where's Vernal Equinox?

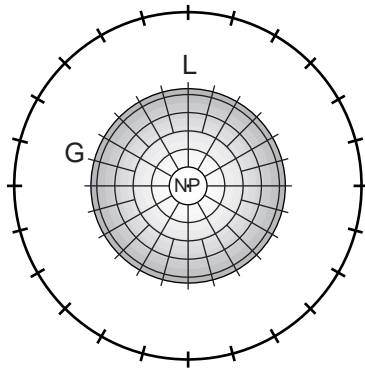
1) Sirius in local transit (RA=7^h)



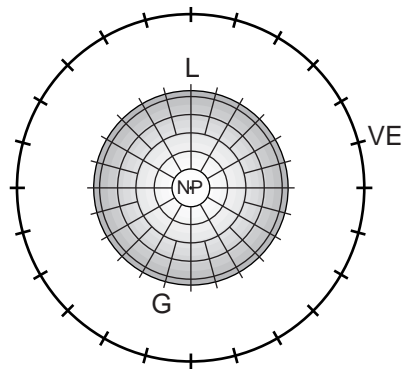
2) LST = 20^h



3) GST = 13^h



1) LST =



2) GST =

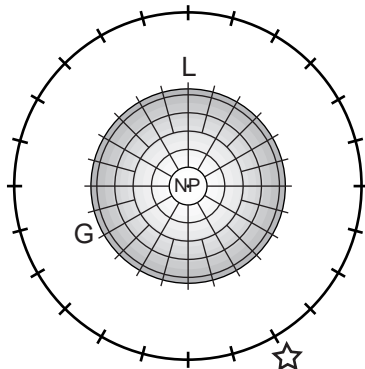
3) Long. =

RA of Altair = 20^h

1) LST =

2) GST =

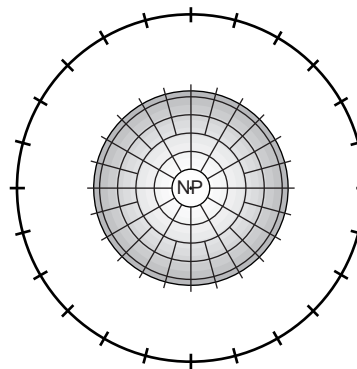
3) Long. =



LST = 4^h

GST = 17^h

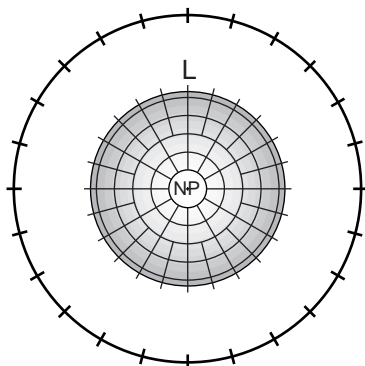
1) Long. =



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?

