

AST101: Longitude Worksheet #2

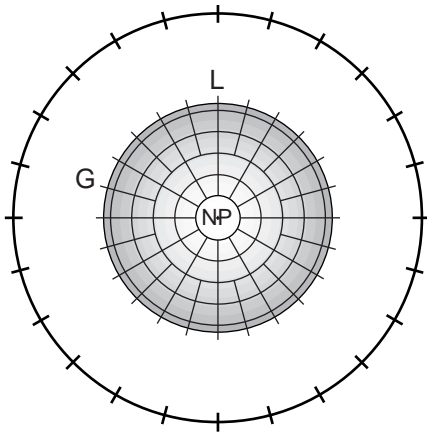
L = local position, G = Greenwich, ☉ = Sun

Where's Vernal Equinox?

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

2) LST = 20^h

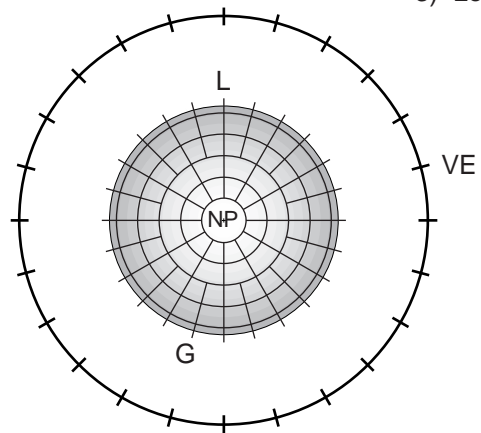
3) GST = 13^h



1) LST =

2) GST =

3) Long. =

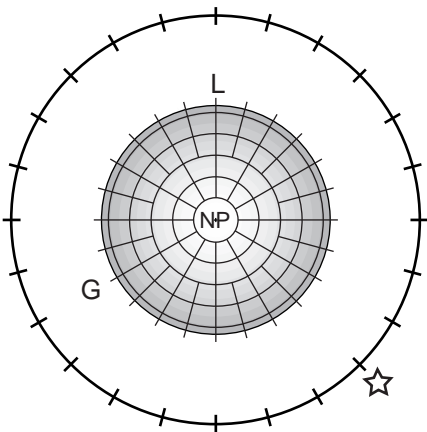


RA of Altair = 20^h

1) LST =

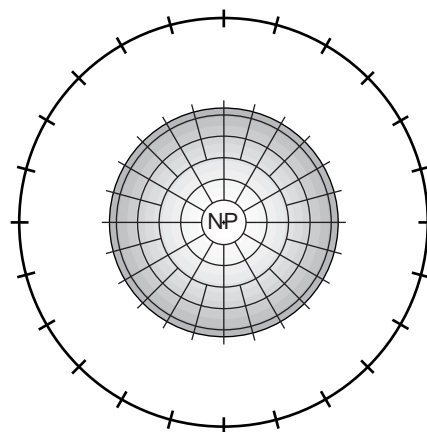
2) GST =

3) Long. =



LST = 4^h , GST = 17^h

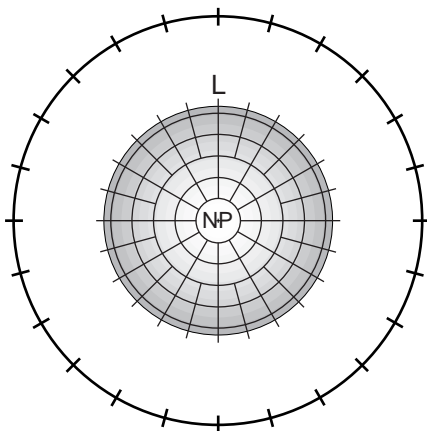
1) Long. =



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?

