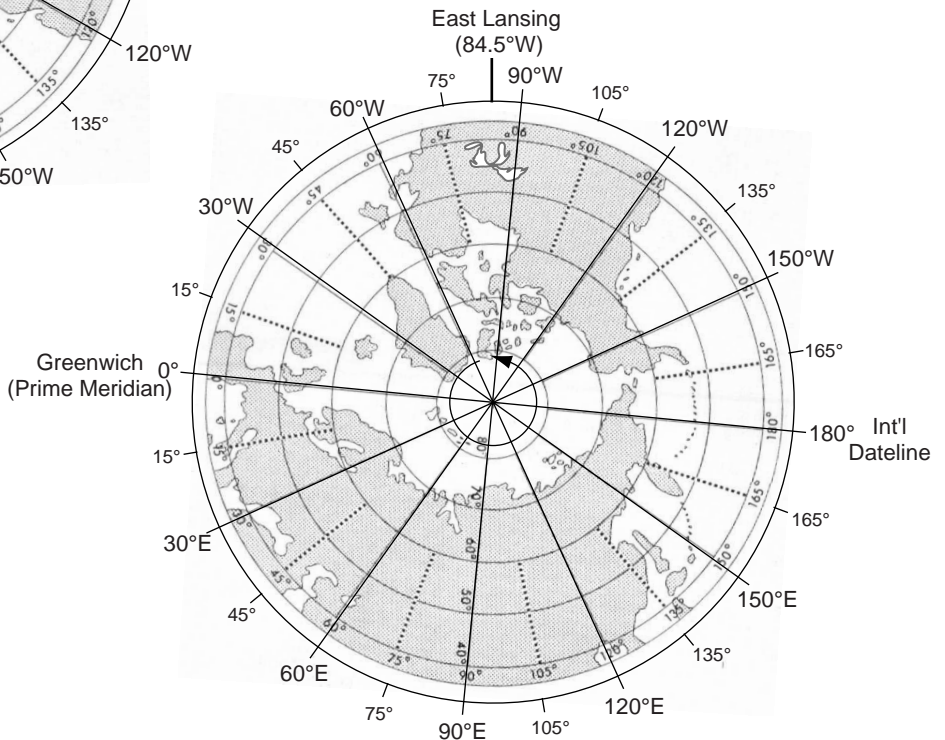
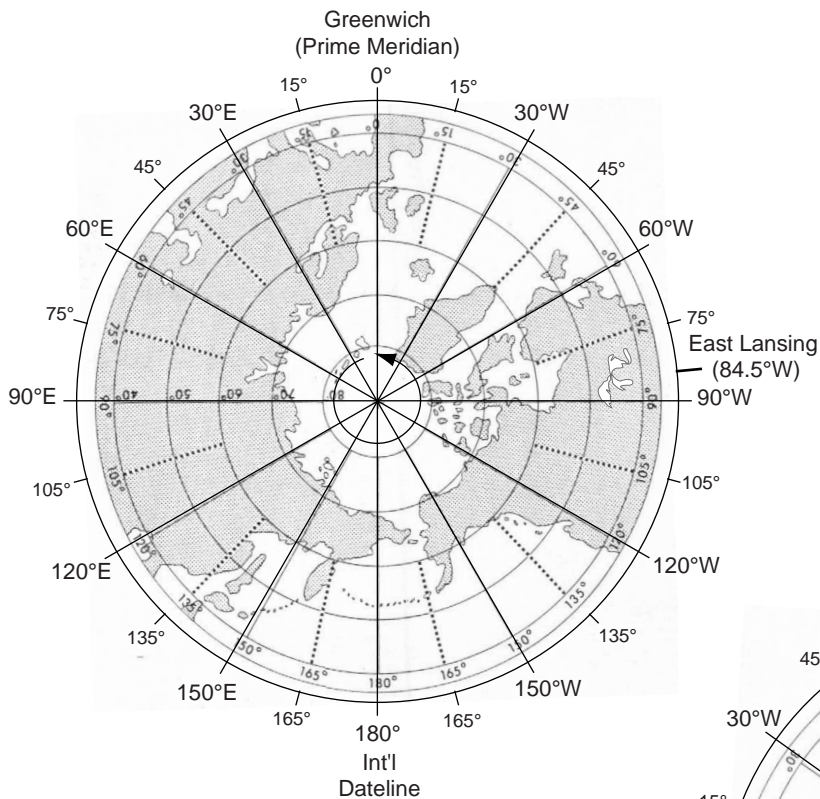


AST101: Determining Longitude



Definitions of Time

Local Apparent Solar Time = Apparent (real) sun's position relative to the meridian

Local Mean Solar Time (LMT) = Mean (average) sun's position relative to the meridian

Greenwich Mean Time (GMT) = Local Mean Solar Time for Greenwich, England

Universal Time (UT) = Same as Greenwich Mean Time

Local Sidereal Time (LST) = Right Ascension on the meridian
 = Object with known RA on meridian
 = Position of object with known RA relative to meridian
 = Position of Vernal Equinox relative to meridian (Hour Angle)

Greenwich Sidereal Time (GST) = Local Sidereal Time for Greenwich, England