Definitions of Time

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

**Greenwich Mean Time (GMT)** = Local Mean Solar Time for Greenwich

**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 Vernal Equinox relative to meridian (Hour Angle)
    = Position of object with known RA relative to meridian

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