

Dependent on the Earth

1. Position

- a. Right Ascension
- b. Declination
- c. Distance

2. Motion

- a. Proper Motion & Tangential Velocity
- b. Radial Velocity
- c. Space Motion

3. Brightness

Independent of the Earth

Size (Diameter, Volume)

Variability

Surface Temperature & Color

Mass

Chemical Composition

Magnetic Fields, Turbulence

Luminosity

Number of components

Age and Evolution

Effects on Characteristics as a Function of Time

Predicting the Past

Predicting the Future