LEGEND

Star Magnitudes

- Zero or brighter
- 1st
- 2nd
- 3rd
- 4th
- 5th
- = Deep Sky Objects

The planet Uranus, visible in binoculars as a 6th-mag. "star" in Aquarius, is plotted as a "+" for mid-September 2005. At chart time 7 objects of first magnitude or brighter are visible. In order of brightness they are: Arcturus, Vega, Capella, Altair, Antares, Fomalhaut, and Deneb.

Two open or galactic clusters are noted: M7 between the Teapot and tail of Scorpius, and the Double Cluster in Perseus.

A selection of double stars (labeled with Greek letters) and "deep sky objects" is also plotted. All are visible with modest equipment; most are within the range of the unaided eye or binoculars.

The double stars, in order of decreasing angular separation, are ζ UMa, δ Lyr, α Cáp, α Cyg, ε Lyr, ν Dra, ζ Lyr, β Cyg.

Two globular clusters, more compact concentrations of hundreds of thousands of stars, can be found: M13 in Hercules and M22 in Sagittarius.

M8 in Sagittarius is the Lagoon Nebula, a gas and dust cloud from which stars are forming.

M31 is the famous Andromeda Galaxy, a collection of 300 billion stars located 2 million light years from Earth. It is barely visible to the unaided eye.