

A scatter plot showing the distribution of stars in the sky. The stars are represented by black dots of varying sizes, indicating their brightness. A legend in the bottom right corner specifies that the size of the dots corresponds to the star's magnitude, with a value of < 6.50 mag indicated. The plot shows a dense concentration of stars in the center, with a gradual decrease in density towards the edges. There are several prominent clusters of stars, particularly a large one in the upper left quadrant and another in the lower right quadrant.

< 6.50 mag