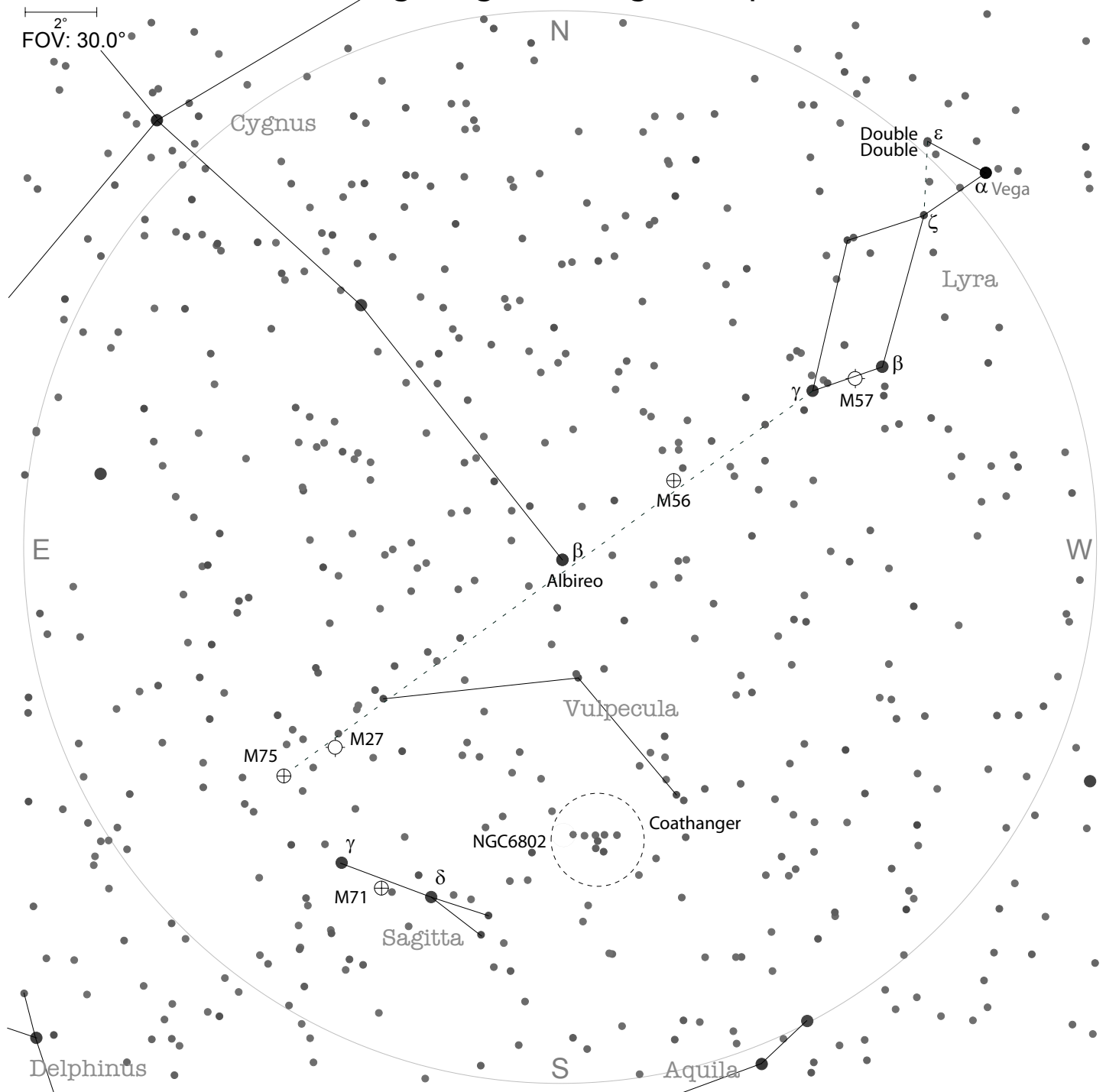


Stargazing 101 - August Hop



1. Lyra - **Double Double** (ϵ Epsilon): A identical pair of bright stars which are both resolved as identical doubles. Resolving the second pair is a good test of your telescope's optics. (The α , ζ , and ϵ stars form an equilateral triangle.)

Five in a Row:

2. **M 57 - Ring Nebula** (Mag 9.5 Size 2.5') Located almost half way between the β - beta and γ - gamma stars in Lyra on the short side of the parallelogram furthest from Vega. It is slightly closer to the β star.
3. **M 56** - Globular Cluster (Mag 9.5 Size 7.1') Located halfway between γ Lyra and Albireo (β Cygnus).
4. **Albireo** (β Cygnus - the nose of the swan) - Beautiful orange and blue-green double (Mag 3.1).
5. **M 27 - The Dumbbell Nebula** (Mag 7.5 Size 15.2') Find M 27 by imagining a line between γ Lyra and Alberio, extend the line the same distance and direction from Alberio.
6. **M 75** - Globular Cluster (Mag 9.5 Size 6') Extend the line mentioned above just 2° to find this cluster.
7. **M 71** - Globular Cluster (Mag 8.5 Size 7.2') Located half way between the δ - delta and γ - gamma stars in Sagitta. Sagitta (the Arrow) is the third smallest constellation in the sky; it is found about halfway between Altair (Aquila) and Albireo.
8. **The Coathanger** (Brocchi's Cluster) - using binoculars locate this striking asterism just north and east of Sagitta.
9. **NGC 6802** - Open Cluster (Mag 8.8 Size 3') Find this cluster just east of the last star in the Coat Hanger. This object is on the RASC NGC finest list.