

# Celestial Navigation at NAS Jacksonville v1.1

## **1 - Basic Celestial Class ASA 117 - \$350**

This class is to learn the basic principles of Latitude from Polaris, Latitude from Sun and Longitude from the Sun along with using a Universal Plotting sheet to develop a DR plot. The class will be 3 hours once a week for 6 weeks for a total of 18 hours. Text book and almanac will be provided with the cost of the class. Prerequisites: Coastal Navigation (ASA105) is recommended but not required.

## **2 - Celestial Lab - \$15**

This is a class for those who missed a class, need extra help, need to retake an exam etc. The format: each attendee requests a topic for review. For example, setting up a plotting sheet, understanding time zones, determining the LHA of Aries, etc. The instructor will then cover as many of these topics as time permits. Celestial Lab will be held as needed following a Basic Celestial Classes.

## **3 - Star Finder Class - \$100**

You might think of the Star Finder as a circular celestial slide rule to predict star and planet locations in the sky based on information from the nautical almanac. This can be an invaluable tool for creating a plan for shooting stars and planets during the short celestial window at dusk and dawn. Knowing what you're looking for and where to find it always beats shooting stars and then trying to figure out what they were. The class will be 3 hours once a week for 2 weeks for a total of 6 hours. NOTE: Students are required to obtain a Star Finder 2102-D prior to class. These can be ordered on-line new for \$90 or used for as little as \$20. Prerequisites: None

## **4 - Artificial Horizon - \$50**

Can't see the ocean from your backyard; no problem. You can still make celestial observations using an Artificial Horizon. Learn how to make and use an Artificial Horizon in this one-day 3-hour class. Students are encouraged to bring their sextants. Prerequisites: Basic Celestial (ASA 117)

## **5- Advanced Celestial Navigation ASA107 - \$350**

This class picks up where Basic Celestial leaves off. The class covers the techniques use to determine Latitude and Longitude from 57 stars, 4 planets, the Sun and the Moon. The class will be 3 hours once a week for 6 weeks for a total of 18 hours. Text book and almanac will be provided with the cost of the class. Prerequisites: Basic Celestial (ASA117) and Coastal Navigation (ASA105)

## **6 - Celestial Shoot Out - \$25 entrance fee - \$50 Prize!**

Come strut your stuff at this celestial shooting event. On a pre-arranged date, participants are invited to come to Mulberry Cove to post their shot plans on the leader board and then make their observations via Artificial Horizon, Dip Short Chart, Quadrant, or any other approved method (no GPS's). Participants will then be given a specified time to present their start plots which will be judged by a blue ribbon committee.