

Two-Day Introduction to Basic Marine Meteorology  
The Road Towards Developing Self Reliant Skills in Marine Weather &  
Forecasting

When you're out there, you are on your own, trusting that you are prepared for the elements. This course is designed for novices as well as experienced sailors (also means those attendees with little or no marine weather background, as well as an excellent re-fresher for those who have had some weather courses). This course will exposure what a mariner needs to know & understand about recent changes in today's marine weather charts & how best to apply them in important safety & strategic decision making in the environment one sails in.

The two-day course syllabus covers the following:

- The language of weather (specifically important definitions);
- An introduction to "Weather 101" principles( e.g. the importance of temperature, moisture, radiation, what forces drives wind);
- Common surface weather systems & their features (e.g., lows, highs, fronts, troughs, ridges),the typical graphical weather symbols commonly found on Pacific Ocean surface pressure weather charts(e.g. "L's", "H's"; dashed, dotted, & solid lines);
- The breakdown of an alpha-numeric text forecast & voice VHF broadcasts (the synopsis & forecast portion that follows);
- Local weather affecting the inland waters & temperature differences in the nearby coastline influences (e.g. Chesapeake Bay as well as nearby Virginia and Maryland land-sea coastal influences);
- What goes into a human intelligence originated forecast (e.g. the professional meteorologists input into a weather forecast);
- How to document and verify all surface weather forecasts for confidence building (e.g. comparing 48/86 Hour Surface Forecasts and the validation of them with the most current Surface Analyses having the same Valid Date & Time);
- Practical hands on exercise scenarios for reinforcement of what has been discussed in previous sessions;
- We will look at the following questions with practical answers:  
How will the weather impact your trip? What choices will you make? What do you need do to assemble the weather forecast products you will need?
- Copies of the presentation modules conducted in class will be made for interactive note taking along with supplemental handouts

Whether coastal cruising for a day inside the Chesapeake Bay Area, the coastal area of the Atlantic Seaboard, or longer offshore blue water cruising in the Atlantic Ocean to other shores (such as south to the Caribbean Sea, east to Bermuda, or north and east to Europe and the Mediterranean Sea), do not miss out on this opportunity to learn what it means to become self-reliant in marine weather and forecasting from the best in the business, Lee Chesneau!