



LEE CHESNEAU'S

MARINE WEATHER

Teaching Marine Weather Self-Reliance



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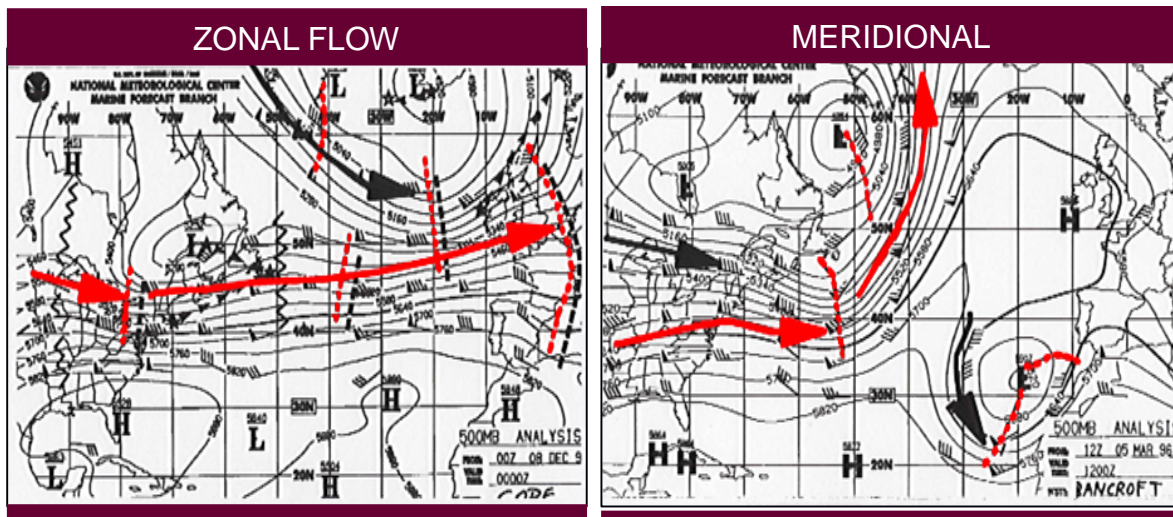
Lee Chesneau's 3-Hour (\$65.00) Prepaid Educational Workshop:

“Understanding the Upper Air 500 Mb Chart Workshop”, scheduled for:

Sunday, September 25th, 1130 to 1430, “Amphitheater Room”, South Shore Harbour Resort & Spa: See in-water SWIBS educational workshop page for

registration details, click on below:

[\(http://swibs.globalonlinepublishing.com/2016-educational-workshops/\)](http://swibs.globalonlinepublishing.com/2016-educational-workshops/)



We broke down the different components of a 500 mb chart, considered to be the holy grail of weather forecasting from the free seminar **“Unlocking the Mystery of the 500 mb Upper Air Chart”**. Now we will go into deeper discussion to further your understanding of this important weather forecasting & vessel routing resource. Specifically, in addition to the 500 mb station plot, we will delve more into the 500 mb components; altitude versus pressure, iso-height contour spacing, wind barb minimum values & their spacing, as well as iso-height labeling. In this workshop you will learn:

- To identify upper level troughs and ridges as depicted on 500 mb charts.
- Vorticity concepts (drives upward & downward motion of air, which leads to surface low & high pressure on the surface).
- How 500 mb has direct impact on where surface low & high pressure weather systems originate, intensify, weaken, & move (direction & speed of motion).
- What a weather pattern is re: the now familiar household name “Pineapple Express”, “Polar Vortex”, El Nino/La Nina, plus how & why surface high & low pressure systems move rapidly from West to East, or from South to North, sometimes somewhere in between or not even move at all for days on end.
- To identify & recognize through practice visual exercises the four (4) basic flow patterns well depicted on r 500 mb upper air charts.
- To develop a culture of accessing 500 mb charts & their companion surface pressure charts in order to see their inter-relationships.
- To utilize the A, B, C, & D zones associated with a 500 mb upper air chart (as discussed in detail in Heavy Weather Avoidance by Chen & Chesneau, www.chesneamarineweather.com/?p=214)

Pre-requisites: Attend Lee Chesneau’s free seminar **“Unlocking the Mystery of 500 Mb Upper Air Charts”**.

Although not required, attending Lee’s free seminar **“Assessing Your Marine Weather Self Reliant Skills... An Introduction to the Sea-level Surface Pressure Chart”** & follow up pre-paid (\$65.00) workshop **“The Sea Level Surface Pressure Chart Workshop”** completes an important concept for a boater to understand the importance of three dimensions of weather. It will also be helpful if you attend Lee’s **“Assessing Your Self Reliant Marine Weather Skills...An Introduction to the Sea-level Surface Pressure Chart”** free seminar& follow up pre-paid workshop **“The Sea- level Surface Pressure Chart Workshop”** as these multiple topics tie into one another. See SWIBS webpage for free seminar & prepaid workshop room locations, topic descriptions & registration links!

Click here for in-water SWIBS free seminar page for seminar details:

[\(http://southwestinternationalboatshow.com/2016-seminar-series/\)](http://southwestinternationalboatshow.com/2016-seminar-series/)

Click here in-water SWIBS educational workshop page for registration details:

[\(http://swibs.globalonlinepublishing.com/2016-educational-workshops/\)](http://swibs.globalonlinepublishing.com/2016-educational-workshops/)