

**ANNAPOLIS YACHT CLUB  
2020 DOUBLE HANDED DISTANCE RACE  
WEATHER FORECAST 3-4 OCT 2020  
- ISSUED 3 OCT 2020 -**



Marine Weather University  
[www.marineweatheru.com](http://www.marineweatheru.com)

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[www.sailwx.com](http://www.sailwx.com)

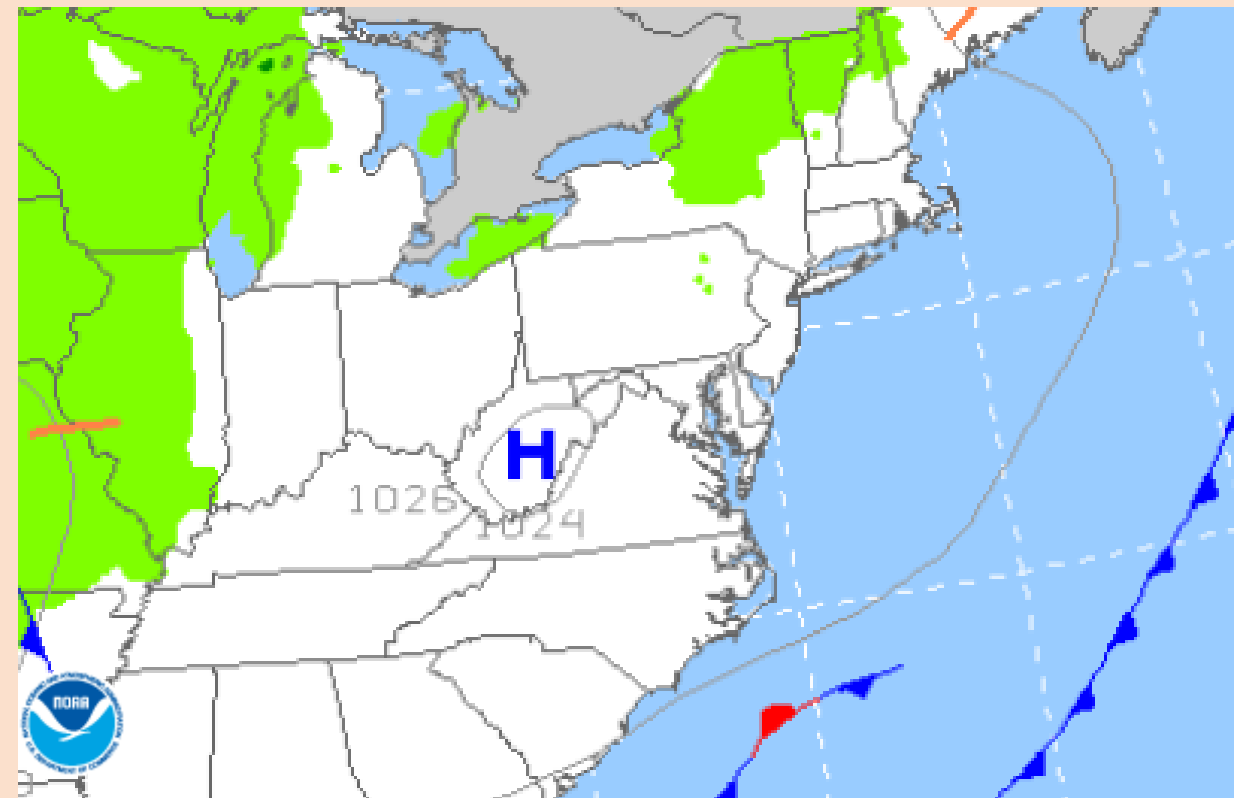
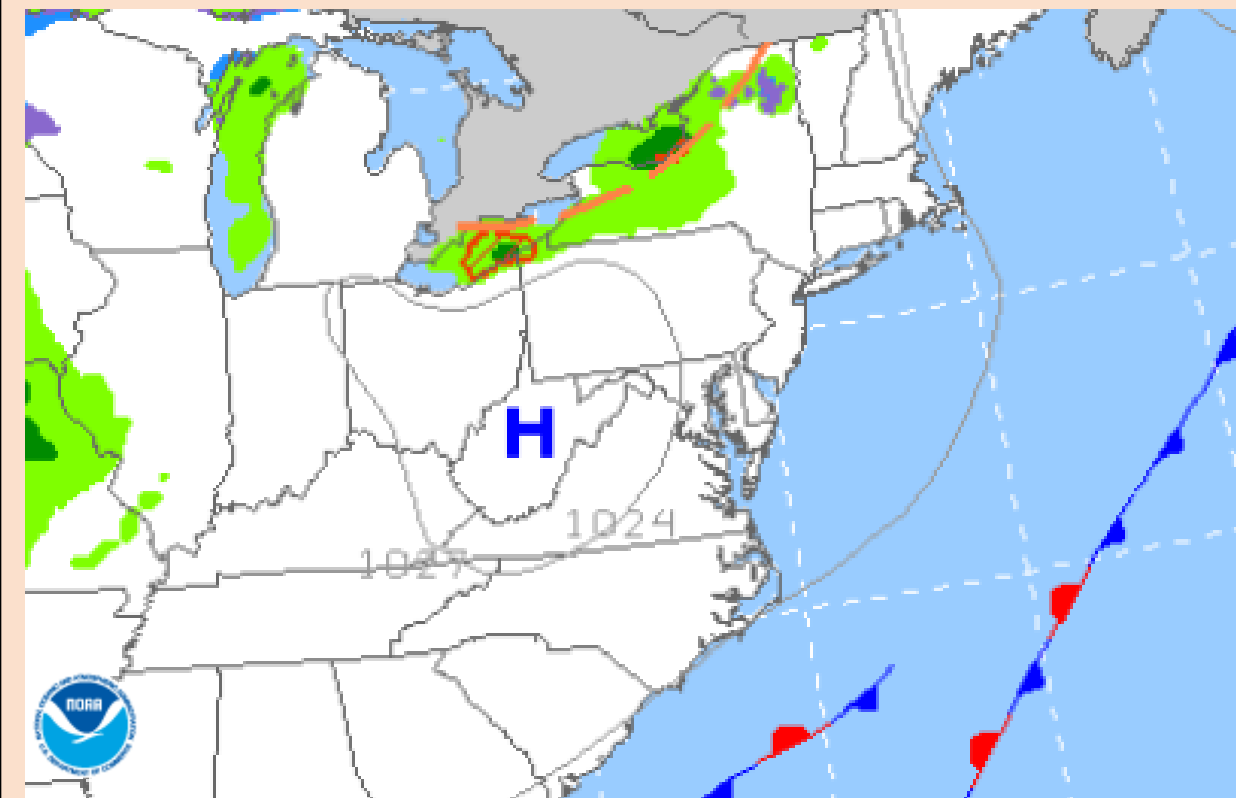


# SURFACE FORECAST



0800 EDT TODAY

1400 EDT TODAY



High pressure over upper Ohio Valley to WV. Ridge extending Northeast toward New England. NNW/N gradient flow. Pretty much at its peak first thing, then gradually easing with time.

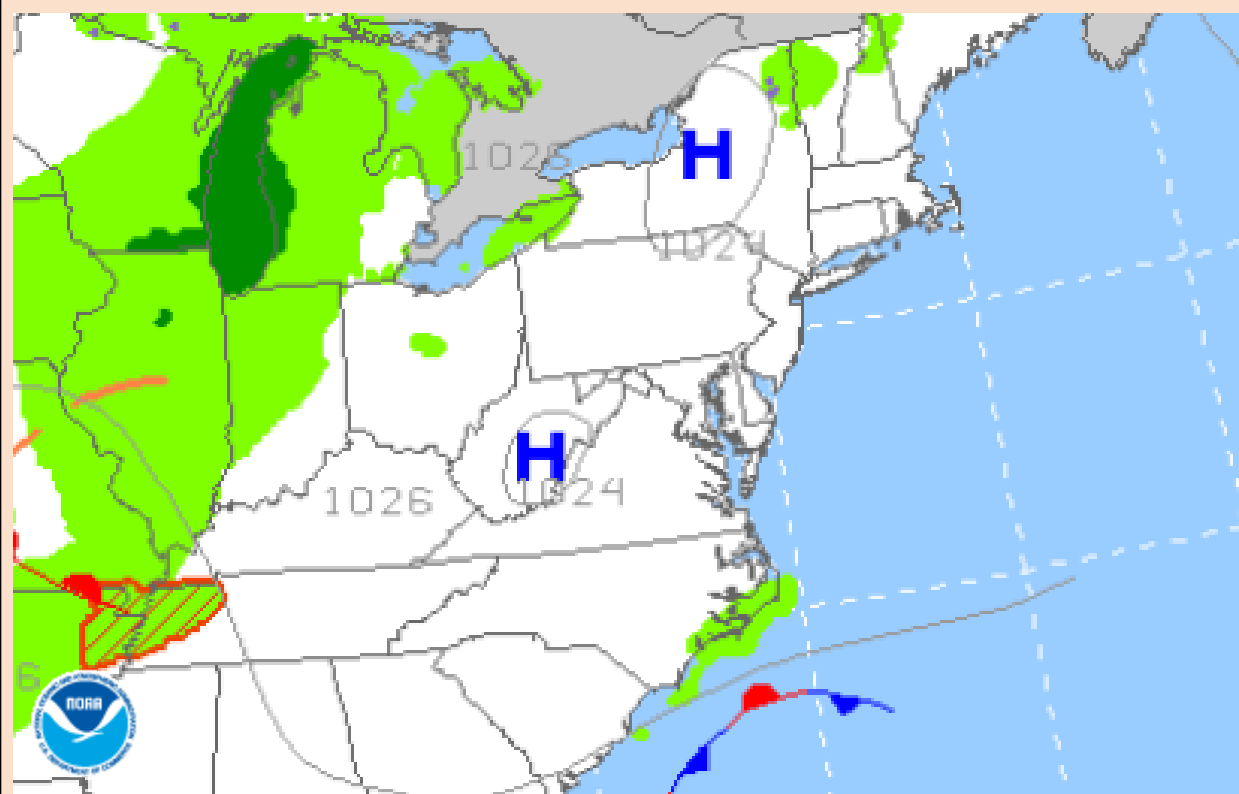
High pressure more or less stationary, but ridge continuing to Expand east and northeast. Further weakening gradient. Some very light and variable winds developing toward evening.



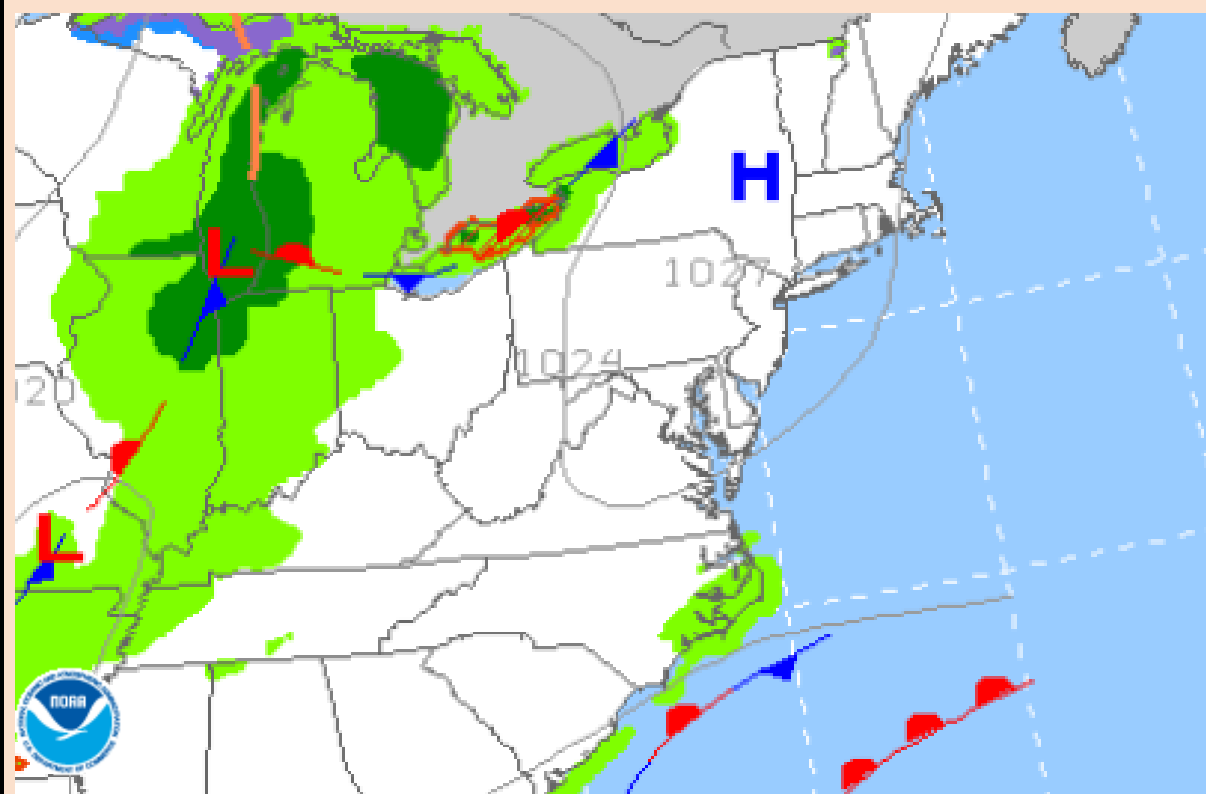
# SURFACE FORECAST



2000 EDT TODAY



0200 EDT SUNDAY



High pressure continues to hold west of Chesapeake Bay, but gradient almost near slack northern bay. Some NE Gradient component holding on in the southern bay (From Potomac and south).

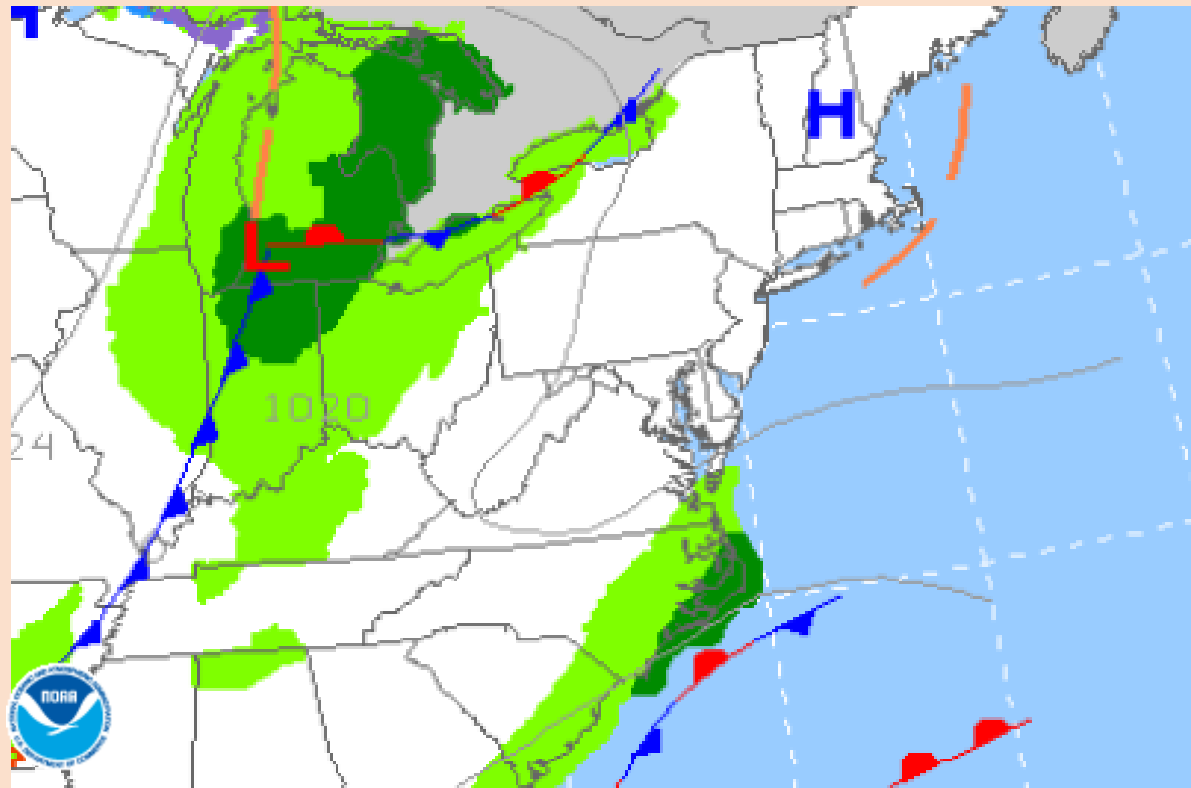
High pressure gradually coalescing over NYS and central New England. Ridge extending southwest with axis just west of Chesapeake Bay. Note pressure falling off Carolinas – keeping NE component running south bay. Otherwise very light.



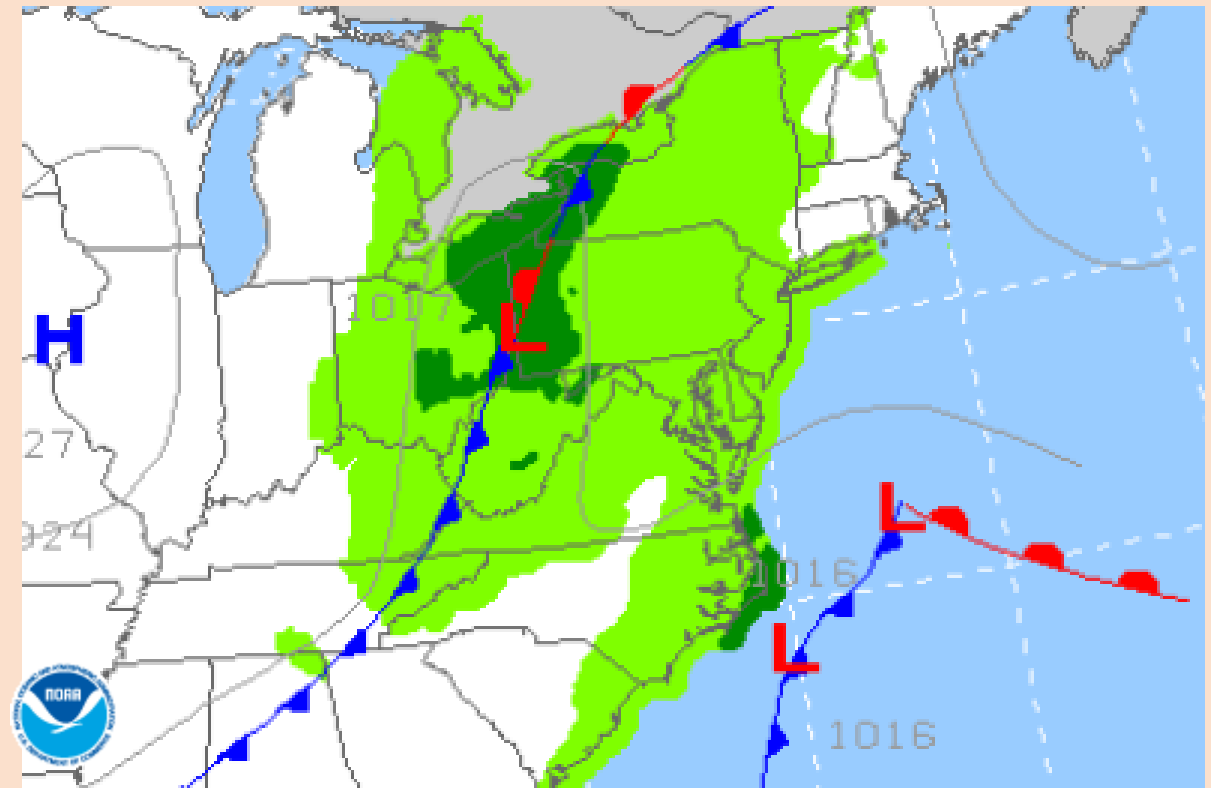
# SURFACE FORECAST



0800 EDT SUNDAY



2000 EDT SUNDAY



High pressure over New England. Low pressure developing off the Carolina coast. This develops a new E-component gradient Over the Chesapeake starting around sunrise (or maybe a little before). This holds through day, but still mainly light.

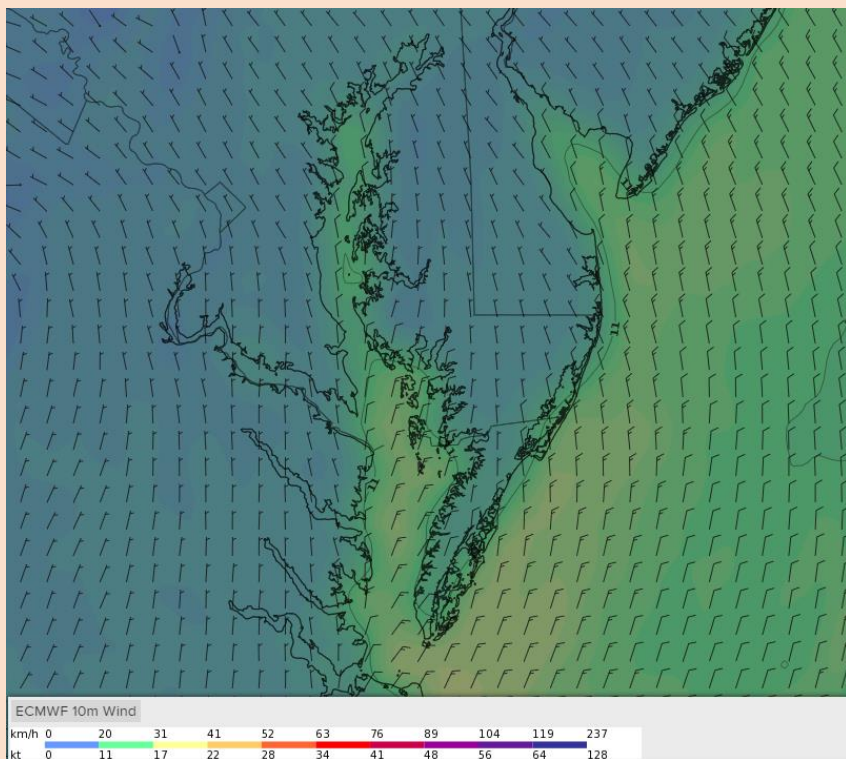
High pressure moves east through Gulf of Maine and south of Nova Scotia., Low pressure lifting northeast off Cape Hatteras Increases cloud through the day. Rain infiltrates to southern Bay, But remains dry north. NE/E winds light-moderate on the bay.



# WIND FORECAST

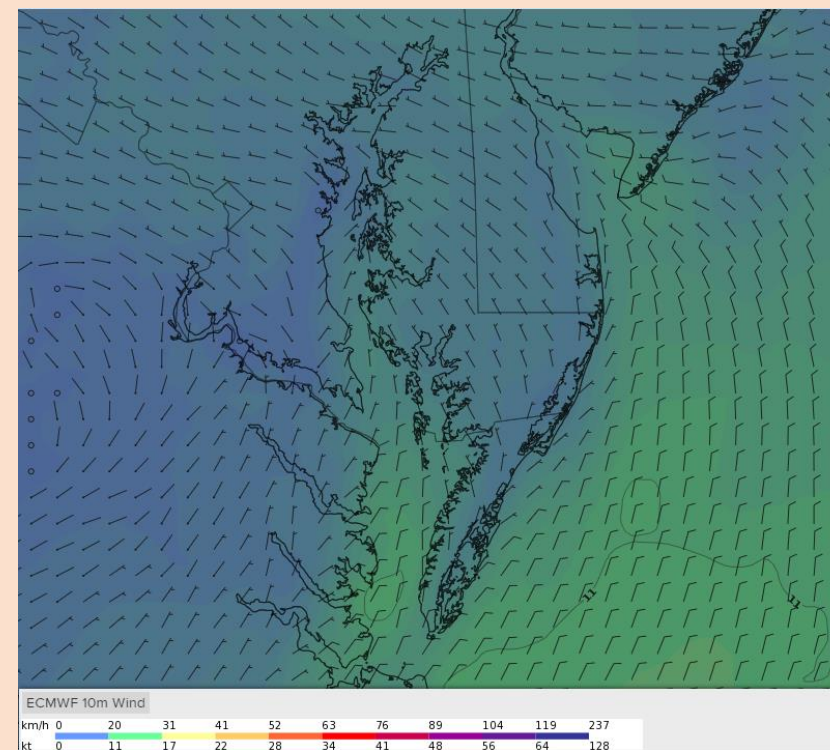


1000 EDT TODAY



N'y component gradient at is strongest. Easing from here. Wind accelerated down bay. Stronger (and generally holding better in the southern portion of the bay..

1600 EDT TODAY



Easing pressure quickly in the north during the afternoon and into the evening. Light air expanding south with time, but N Tending NE winds hold south of Hoopers Island.

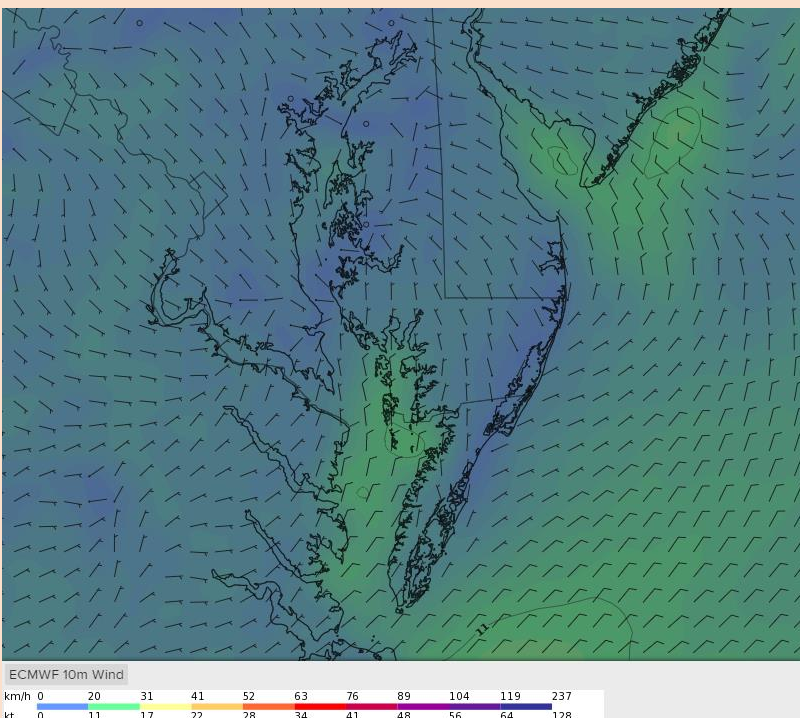




# WIND FORECAST

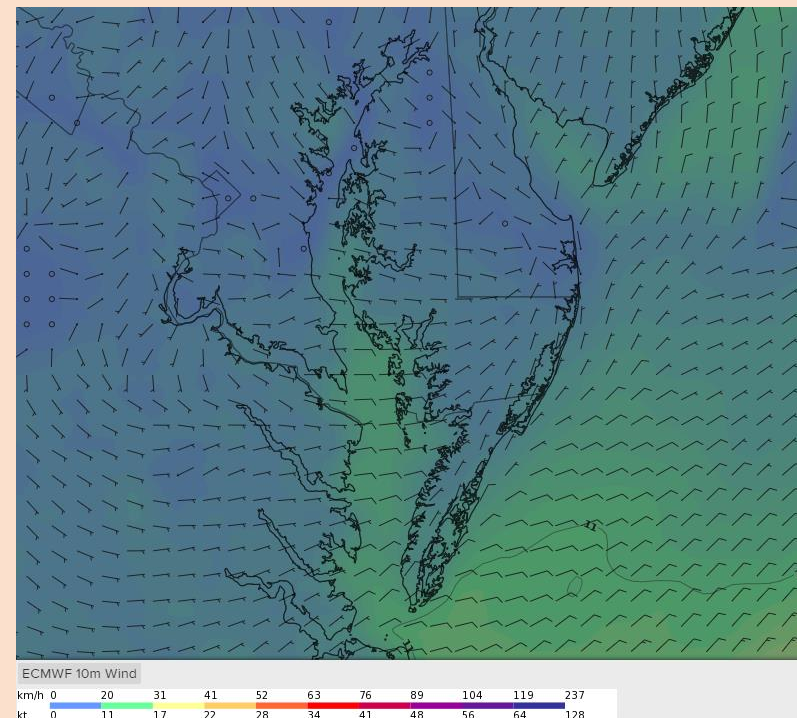


2200 EDT TODAY



Getting quite light across most of the northern ½ of the bay. Cooling of the land decouples the gradient from the surface and lighter air expands north to south. Light or even light-moderate winds hold south of about Hoopers Island from N tending NE.

0400 EDT SUNDAY



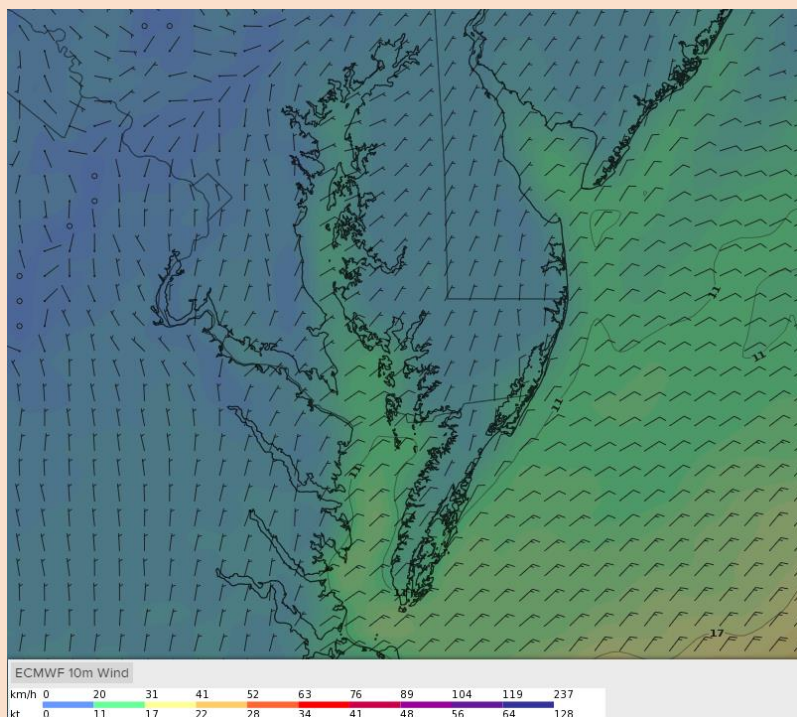
Light winds continue until just before sunrise. A fill of ENE/E component gradient will spread east to west across the bay just before or around sunrise. Probably taking a little longer than what the model suggests here.



# WIND FORECAST

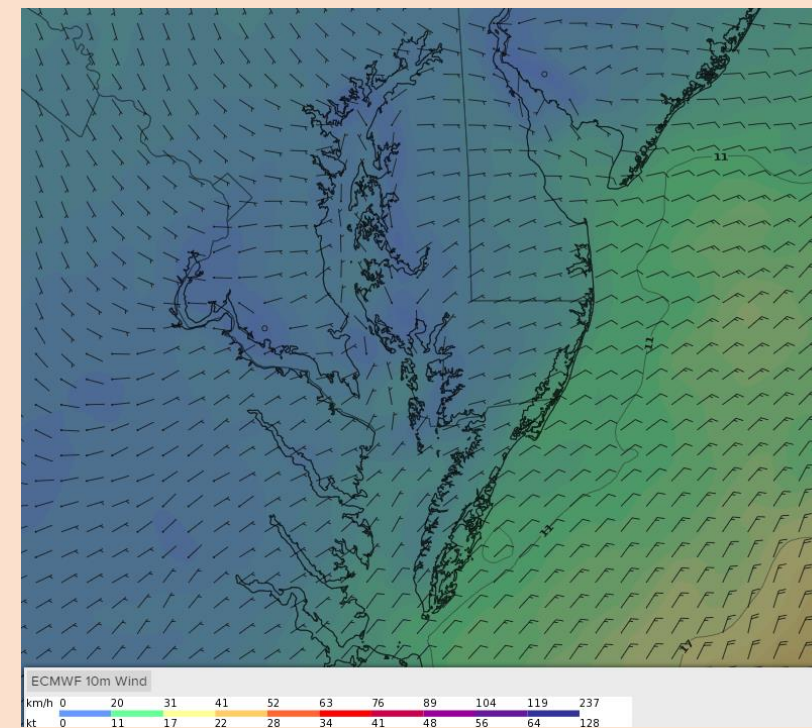


1000 EDT SUNDAY



General veering/strengthening of gradient sets up ENE > E Wind. Lighter and more right-shifted upper bay, tending stronger and more left-shift southern bay. Fine weather, but increasing cloud in the south.

1600 EDT SUNDAY




Gradient E but tending NE as low pressure moves to off Cape Hatteras. Winds still struggling in the mainly light range.





# WIND FORECAST DETAIL



Time (Local)	Wind Direction (MAGNETIC)		Most Likely Shift (1)	Shift Type (2)	10m TWS (Knots)	 SAILING Weather Service	Potential Gust (3)
3-Oct-20 08:00	340 - 010	▼		Oscillating	09 - 13	Last of NNW/N gradient, easing through the morning and mid-day period. Stronger in the southern part of the bay toward Potomac.  Becoming light and variable much of the racing area evening through mid-night.  Clearing and cool overnight. Fog patches.  Tending E, but variable under the light wind.  Watch for building E'ly gradient component just before or around sunrise.  Perhaps increasing E/ESE  Later afternoon slight risk of showers.	15
3-Oct-20 11:00	360 - 030	▼	R	Oscillating	06 - 10		12
3-Oct-20 14:00	355 - 025	▼		Oscillating	07 - 11		13
3-Oct-20 17:00	355 - 025	▼		Oscillating	01 - 05		6
3-Oct-20 20:00	335 - 005	▼		Random	01 - 05		6
3-Oct-20 23:00	070 - 100	▲		Random	00 - 04		5
4-Oct-20 02:00	085 - 115	▲		Random	01 - 05		6
4-Oct-20 05:00	080 - 110	▲		Oscillating	05 - 09		10
4-Oct-20 08:00	075 - 105	▲		Oscillating	06 - 10		12
4-Oct-20 11:00	085 - 115	▲	R	Persistent	06 - 10		12
4-Oct-20 14:00	105 - 135	▼	R	Persistent	05 - 09		10