

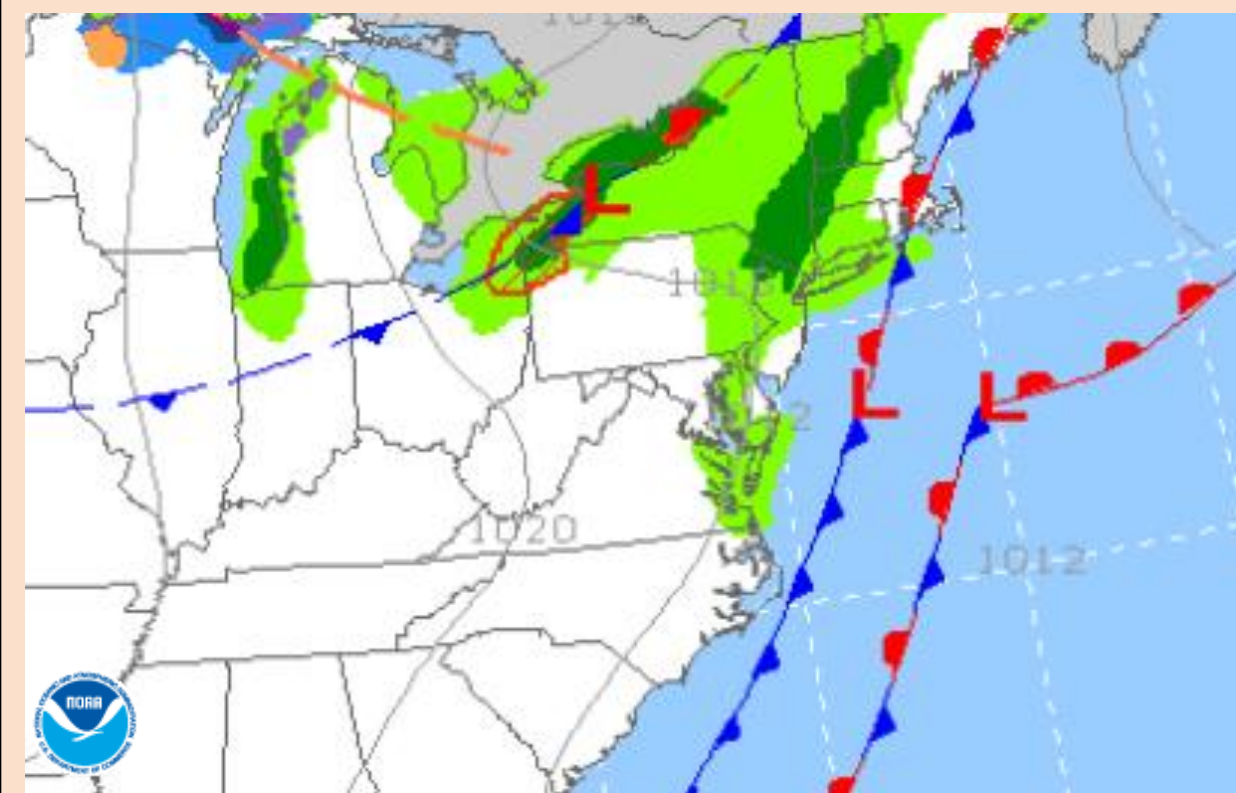
**ANNAPOLIS YACHT CLUB  
2020 DOUBLE HANDED CHALLENGE  
WEATHER FORECAST 3-4 OCT 2020  
- ISSUED 2 OCT 2020 -**

Chris Bedford, CCM  
The Weather Coach  
[www.sailwx.com](http://www.sailwx.com)



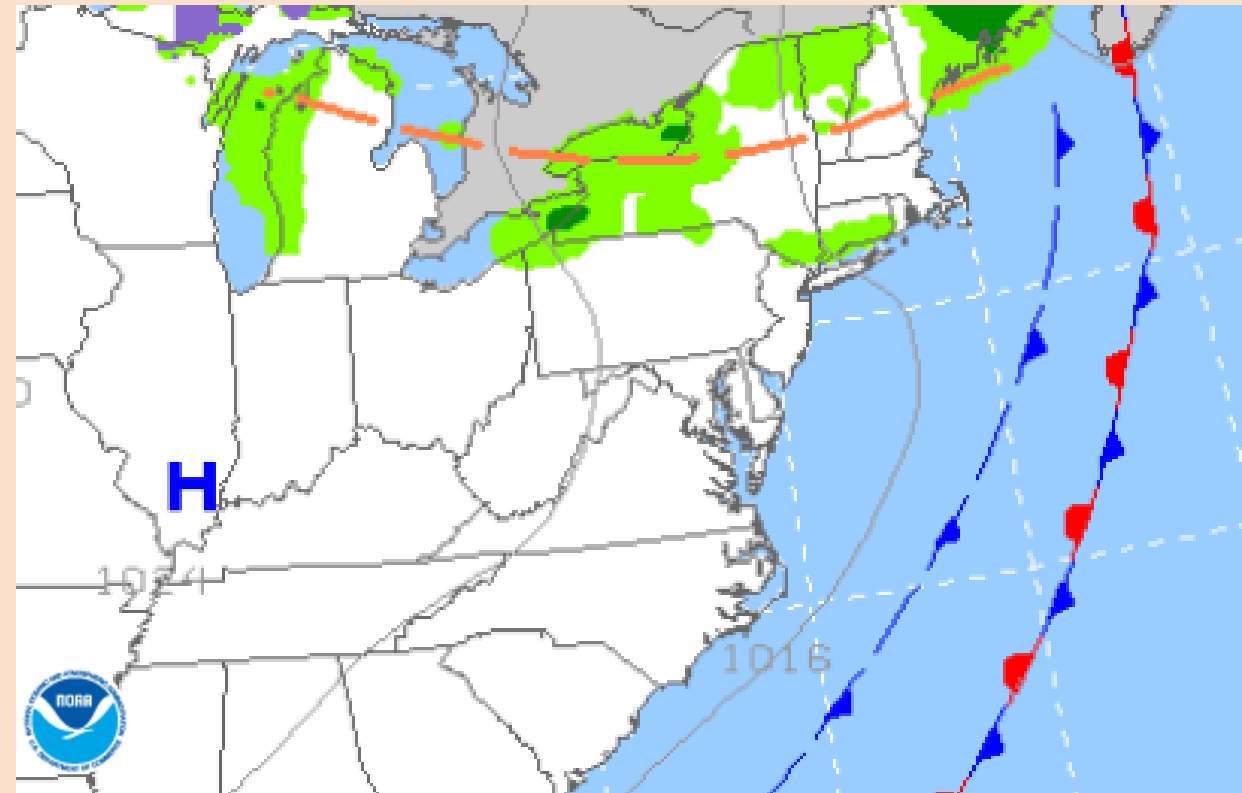
# SURFACE FORECAST

0800 EDT FRIDAY



Trend toward a very light race continues. Front now well and truly off the coast. Lingering cloud pushes east as drier, cooler air arrives on NW wind with ridge building into Ohio Valley.

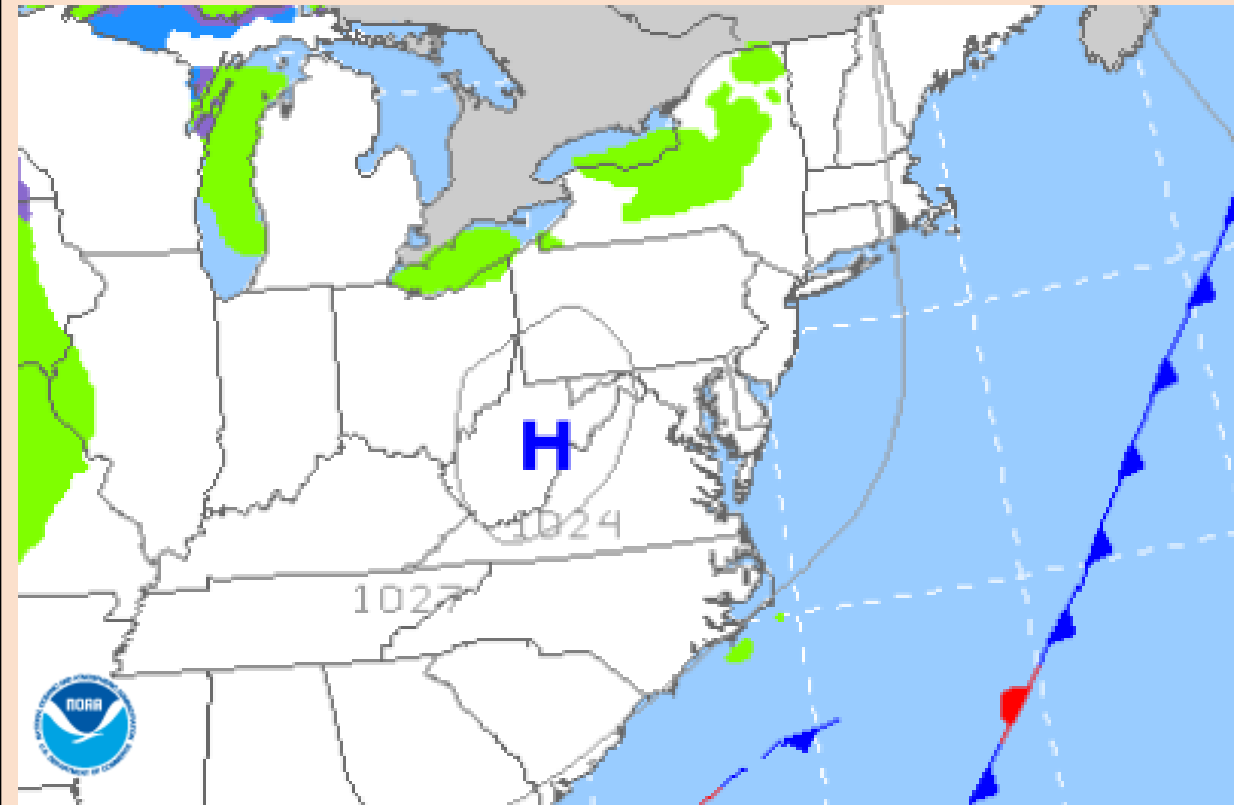
2000 EDT FRIDAY



Front moving away from coast. High pressure building across Ohio Valley toward mid-Atlantic. Maintains NW/N gradient tonight, although lighter.

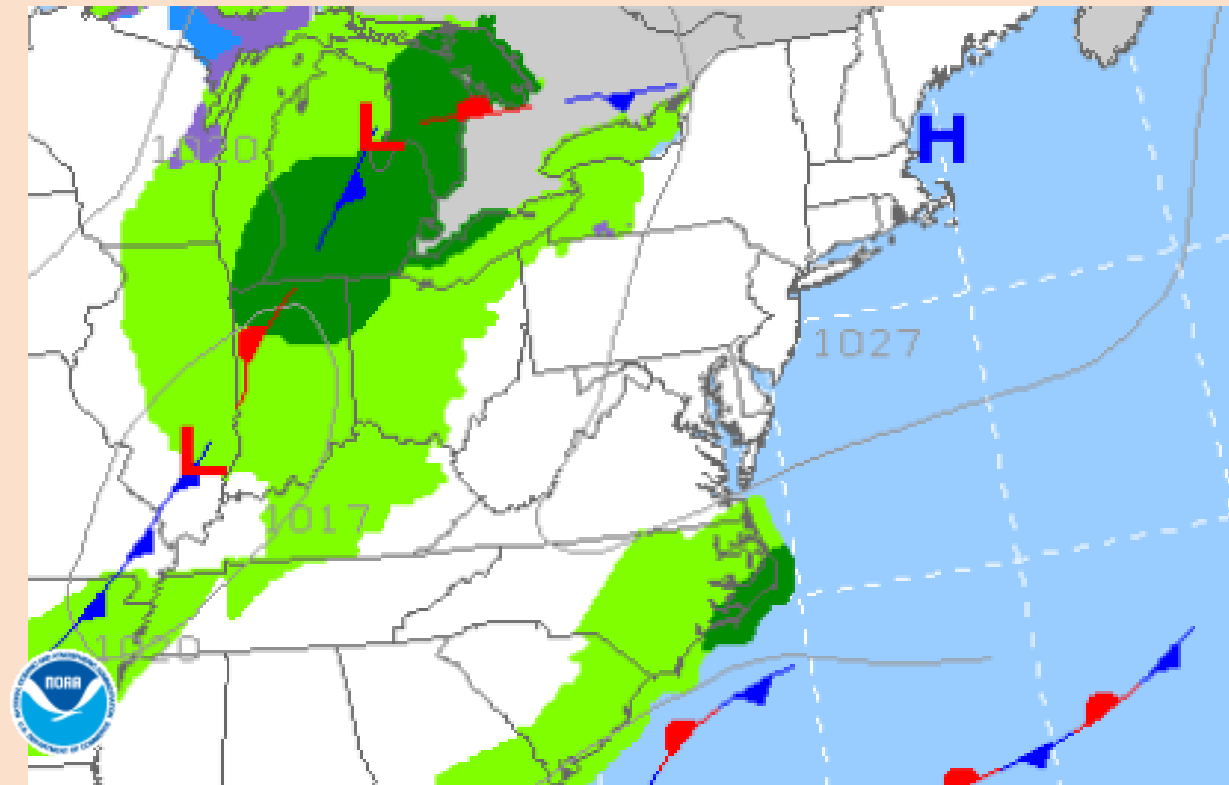
# SURFACE FORECAST

0800 EDT SATURDAY



High pressure moves closer. Best breeze is in the morning when there is still some moderate N'y gradient. However as high pressure nears from west, gradient eases and winds get lighter from the WNW/NW. Very light overnight.

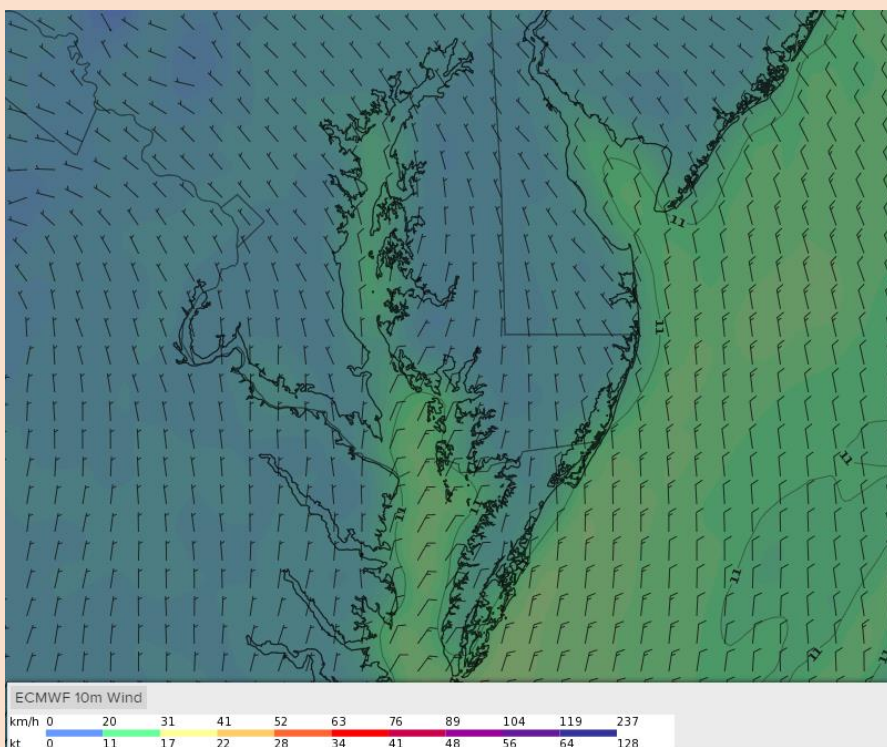
0800 EDT SUNDAY



High pressure north and east of area. Gradient veering NE to E and eventually ESE through the day. A modest increase at sunrise, but still mainly light for most of Sunday. A bit stronger in the southern portion of bay..

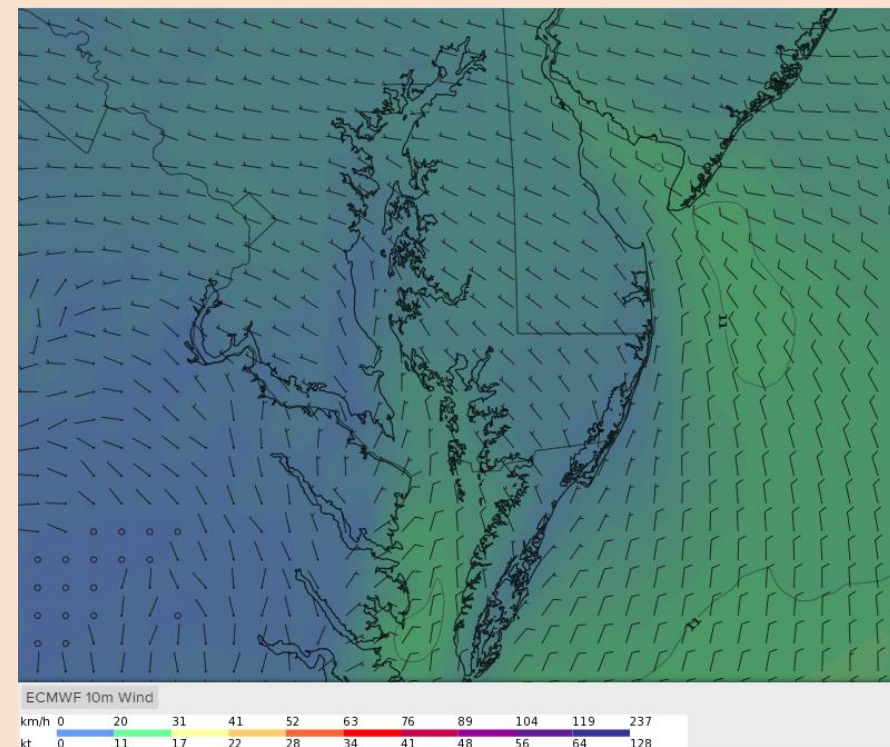
# WIND FORECAST

## 1000 EDT SATURDAY



High pressure over WV and north-central VA supports NNW/N winds over the Chesapeake in the AM. Winds strongest mid-AM as gradient peaks with strongest mixing, then ease mid-day onward as gradient weakens.

## 1600 EDT SATURDAY

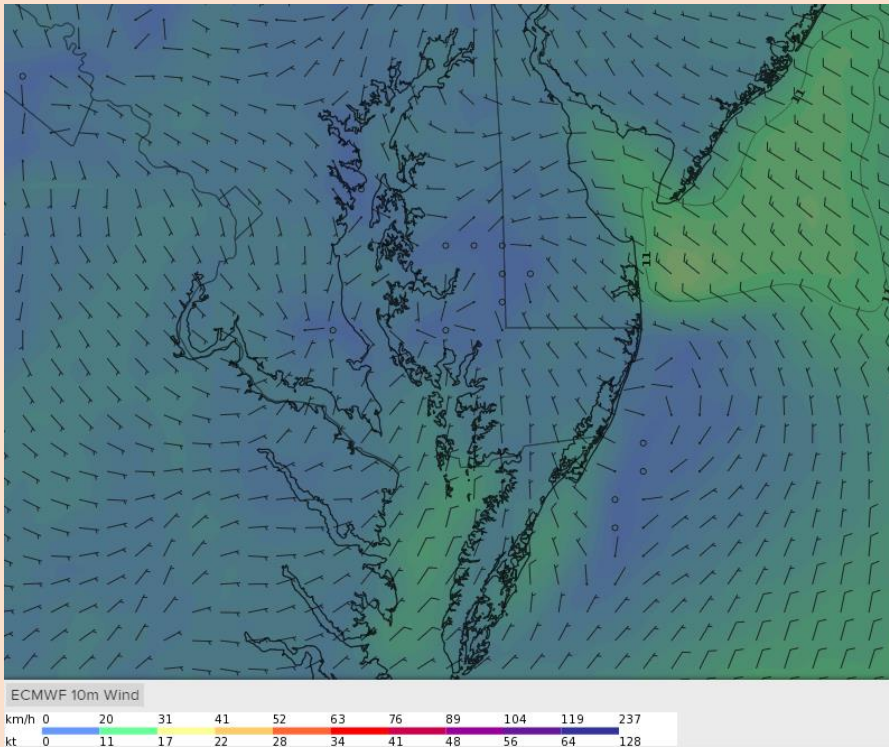


High pressure moving from the west means a gradually weaker/easing gradient. Winds are forecast to back left in the northern Chesapeake. Stronger winds hold over the southern Bay into the PM. Easing trend expands from north to south with time.



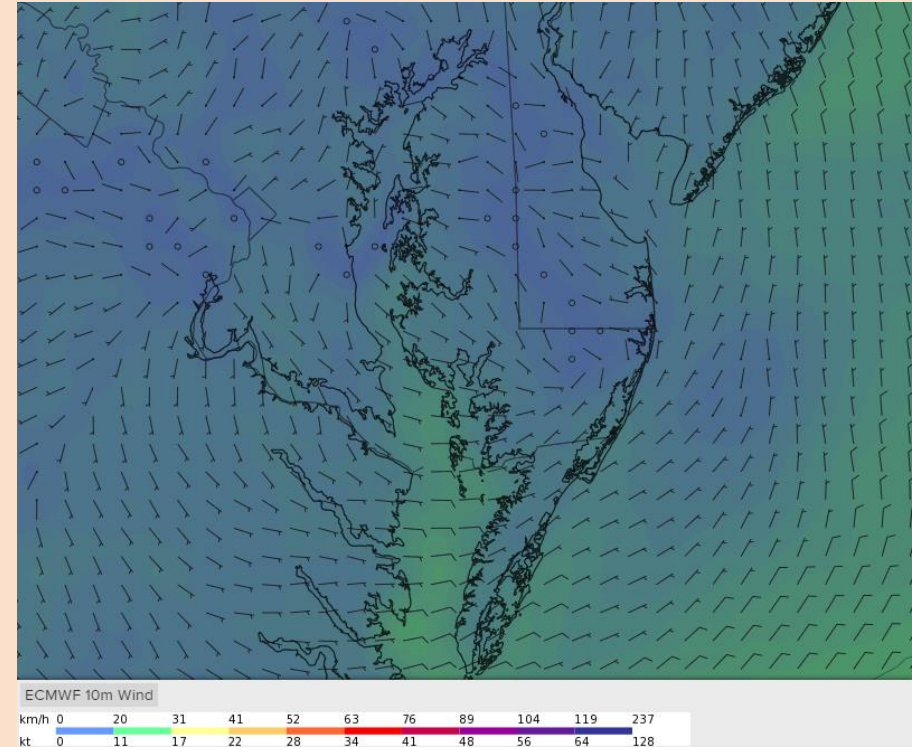
# WIND FORECAST

**2200 EDT SATURDAY**



Getting quite light across most of the bay. Cooling of the land decouples the gradient from the surface and lighter air expands north to south. Variable winds over the upper bay and N > NE over the lower. Light W to calm middle bay (Annapolis to Potomac).

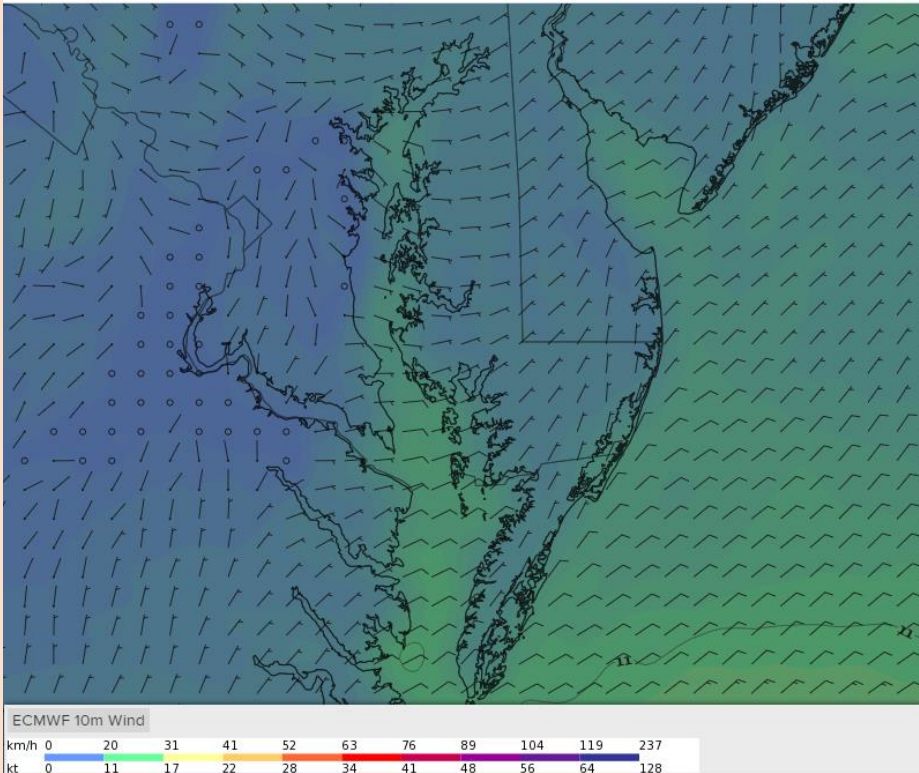
**0400 EDT SUNDAY**



Light winds continue until just before sunrise. The main area of wind will be out of range in the southern half of the bay. However, close to sunrise, winds will fill from the ENE/E over the upper bay.

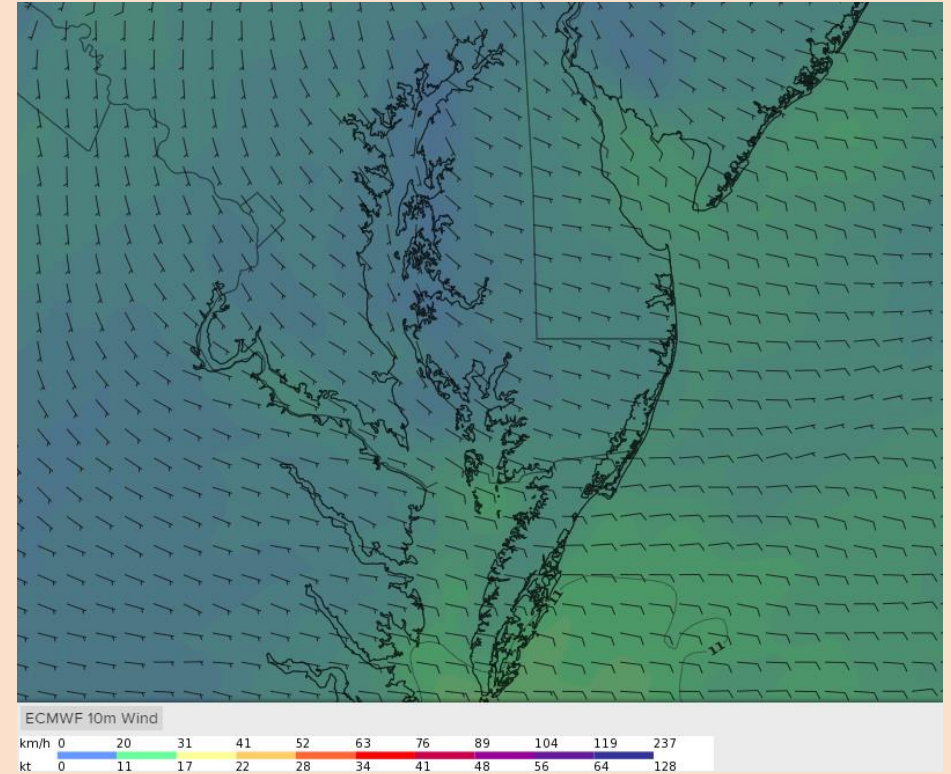
# WIND FORECAST

**1000 EDT SUNDAY**



General veering of gradient sets up ENE > ESE winds from south to north. Lighter and more right-shifted upper bay, tending stronger and more left-shift southern bay. Fine weather.


**1600 EDT SUNDAY**



Gradient building from ESE/SE across all of the bay. Stronger in the south where it will also be more left-shifted. Lighter, more South-component in the northern 1/2 of the bay.



# WIND FORECAST DETAIL

Time (Local)	Wind Direction (MAGNETIC)		Most Likely Shift (1)	Shift Type (2)	10m TWS (Knots)	 <b>SAILING</b> Weather Service	Potential Gust (3)
3-Oct-20 08:00	335 - 005	↖		Oscillating	11 - 15	Mainly sunny.	17
3-Oct-20 11:00	340 - 010	↘		Oscillating	08 - 12	Best breeze of the day first thing after sunrise.	14
3-Oct-20 14:00	310 - 340	↗	L	Persistent	04 - 08	Easing by late morning and into the early PM.	9
3-Oct-20 17:00	285 - 315	↘	L	Oscillating	04 - 08	Backing in the afternoon and holding mainly	9
3-Oct-20 20:00	290 - 320	↗		Oscillating	04 - 08	WNW/NW evening. Becoming very patchy	9
3-Oct-20 23:00	285 - 315	↘		Oscillating	04 - 08	after sunset and through much of overnight.	9
4-Oct-20 02:00	325 - 355	↖		Random	03 - 07	Clear and cool overnight.	8
4-Oct-20 05:00	035 - 065	↗	R	Random	01 - 05	Watch for a new fill from breeze N > NE > E filling	6
4-Oct-20 08:00	080 - 110	↖	R	Persistent	04 - 08	from north to south down bay. New breeze	9
4-Oct-20 11:00	100 - 130	↖	R	Persistent	05 - 09	right-shifted and tending right overnight.	10
4-Oct-20 14:00	125 - 155	↘	R	Persistent	03 - 07		8