

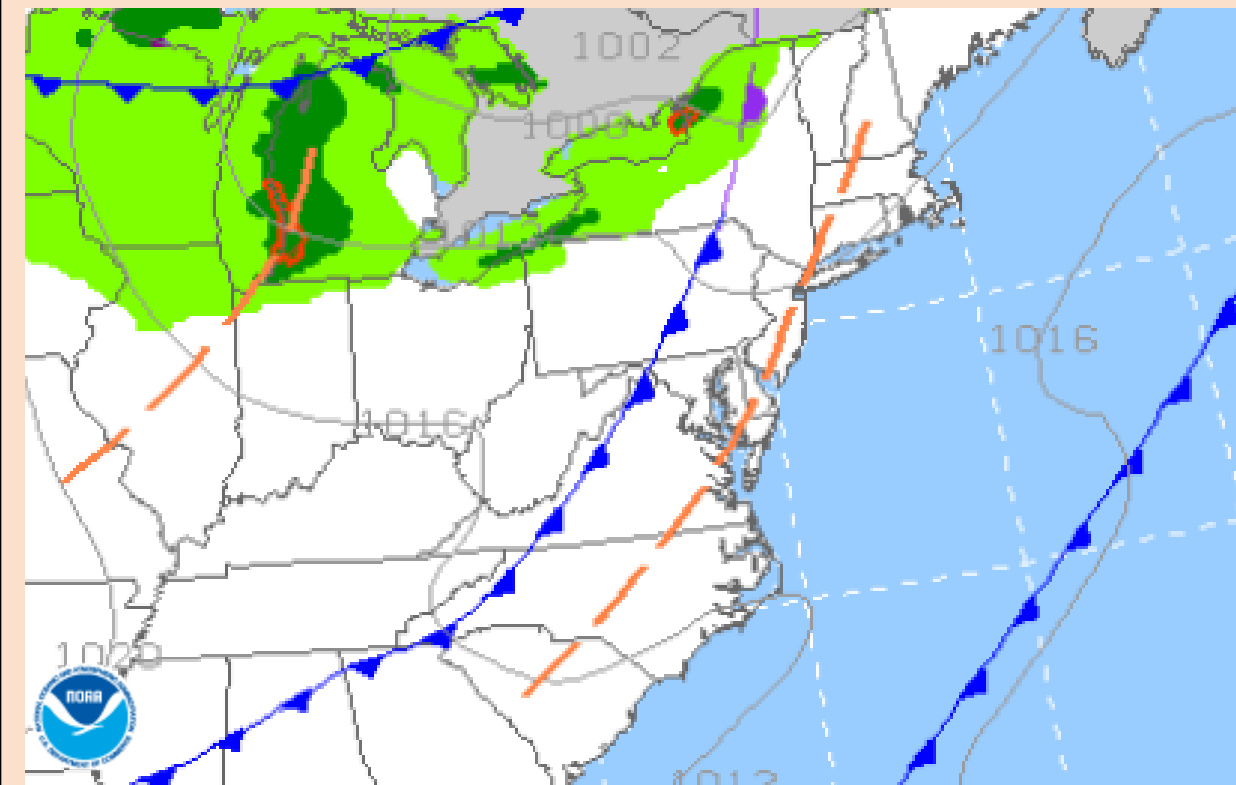
**ANNAPOLIS YACHT CLUB  
2020 DOUBLE HANDED CHALLENGE  
WEATHER OUTLOOK 3-4 OCT 2020  
- ISSUED 1 OCT 2020 -**

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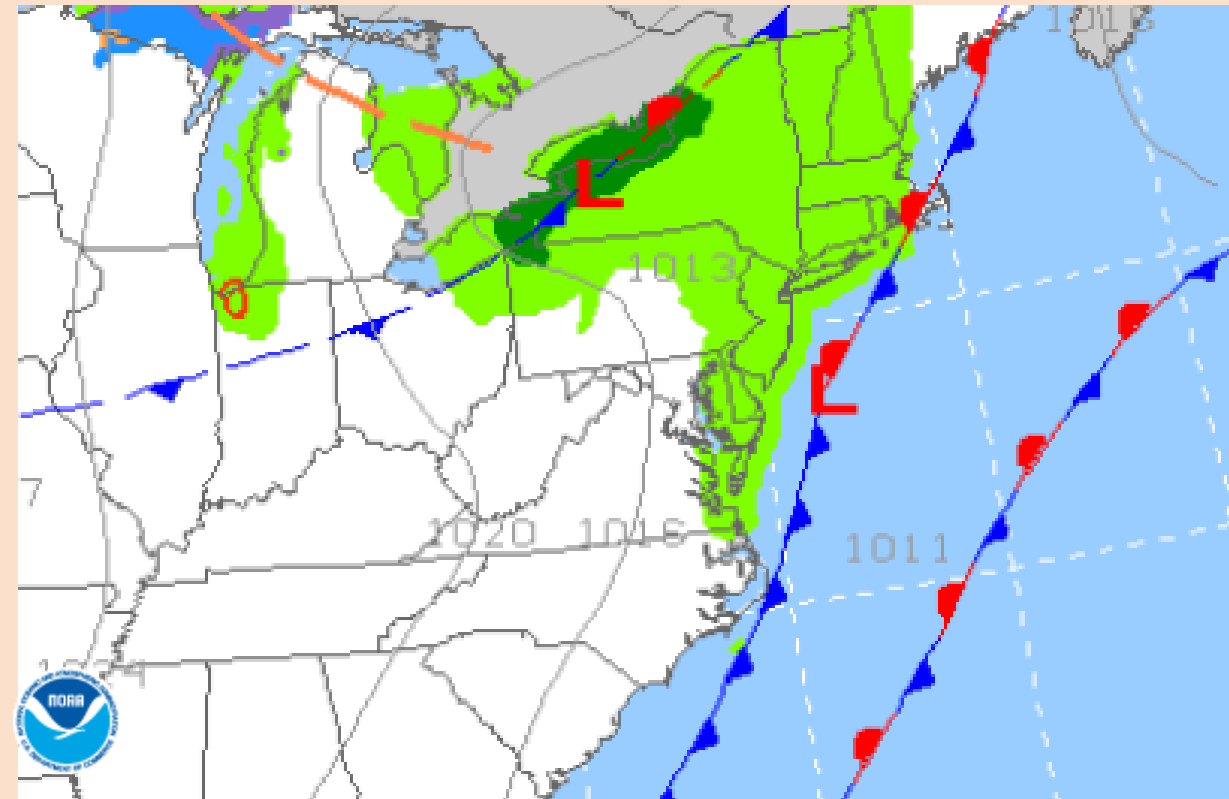
# SURFACE FORECAST

0800 EDT THURSDAY



Broad upper trough continues to establish over eastern US. Multiple cold front progressively bringing cooler air into the East. Next front moving out of Great Lakes to New England today. Light SW/W winds possibly supports PM SE sea breeze.

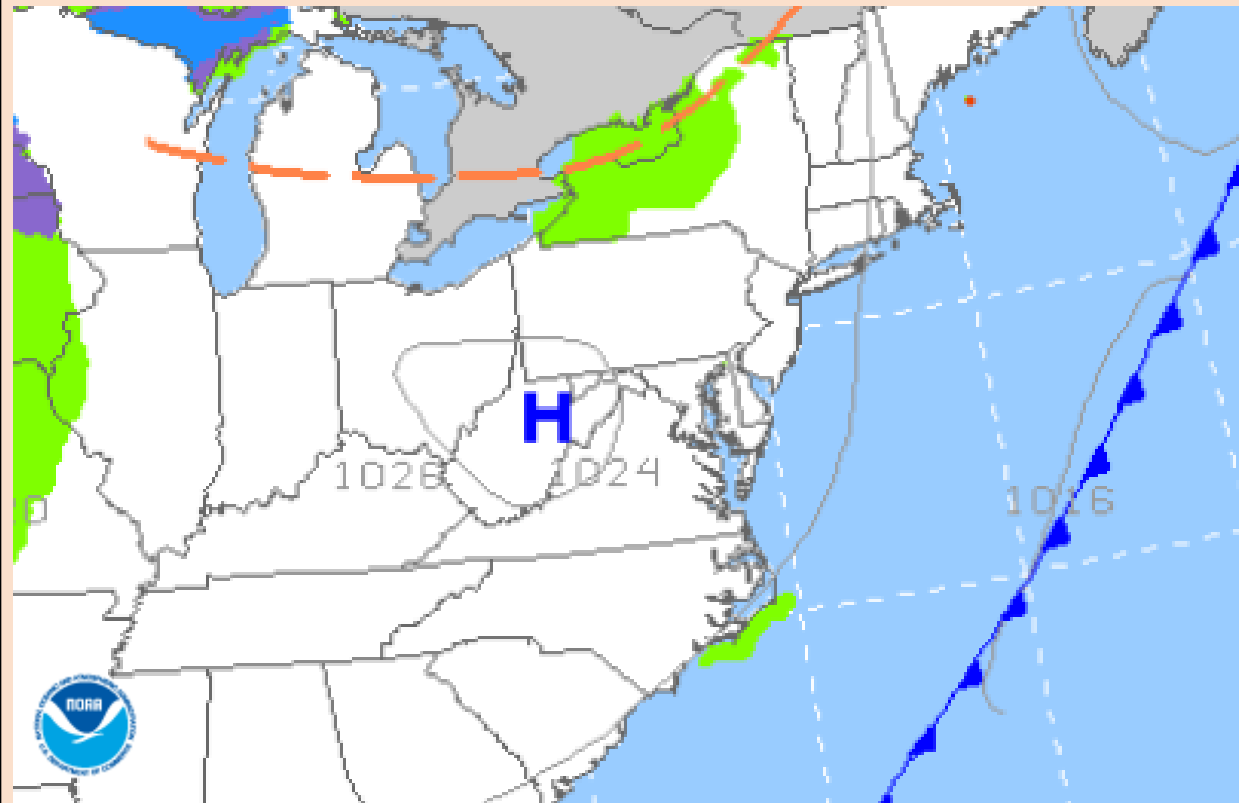
0800 EDT FRIDAY



Front stalls off east coast waiting for wave of low pressure to Move north along it and toward New England. Filling N'ly winds Behind the front become fresh for a time, then moderate later Friday. High pressure ridge building into Ohio Valley.

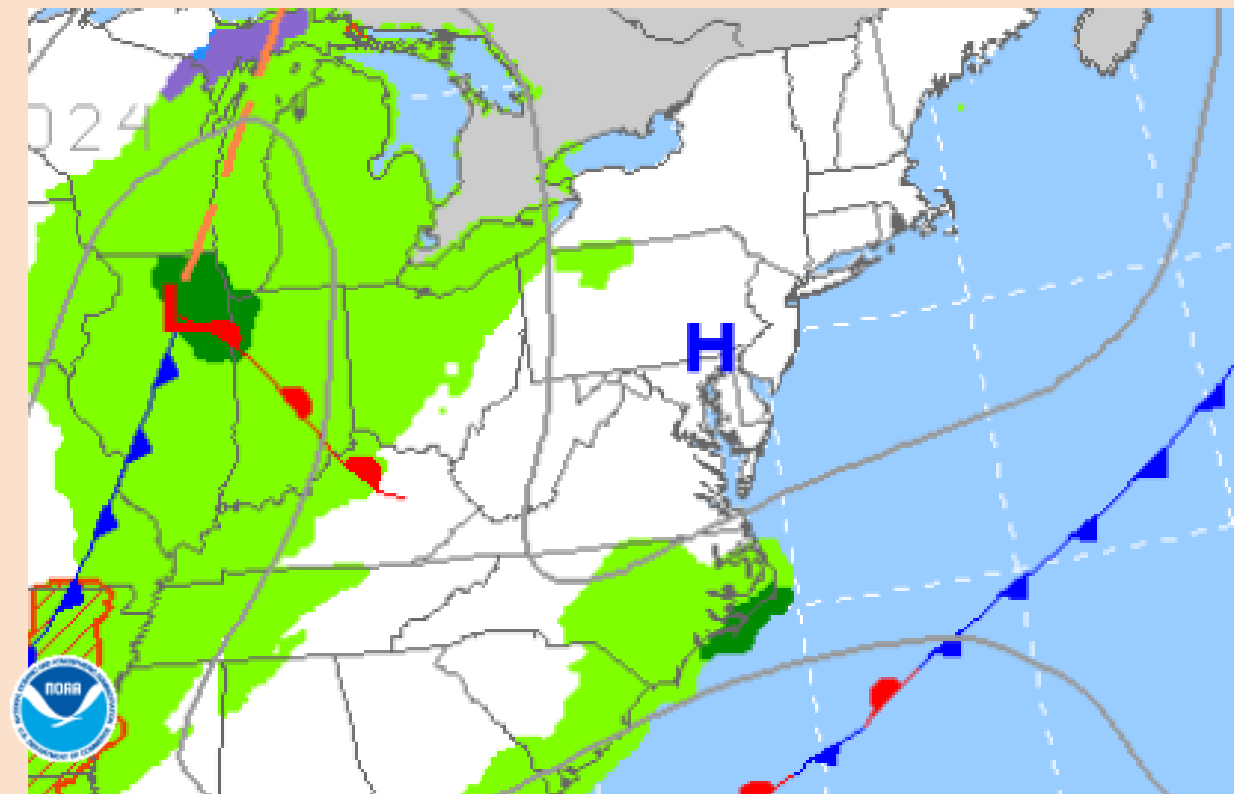
# SURFACE FORECAST

0800 EDT SATURDAY



Cold front well off the coast while high pressure is moving east from Ohio valley. NNW/N gradient winds veering NNW>NNE, easing slowly with time as high pressure moves closer to the Chesapeake. Sunny and dry conditions during the day.

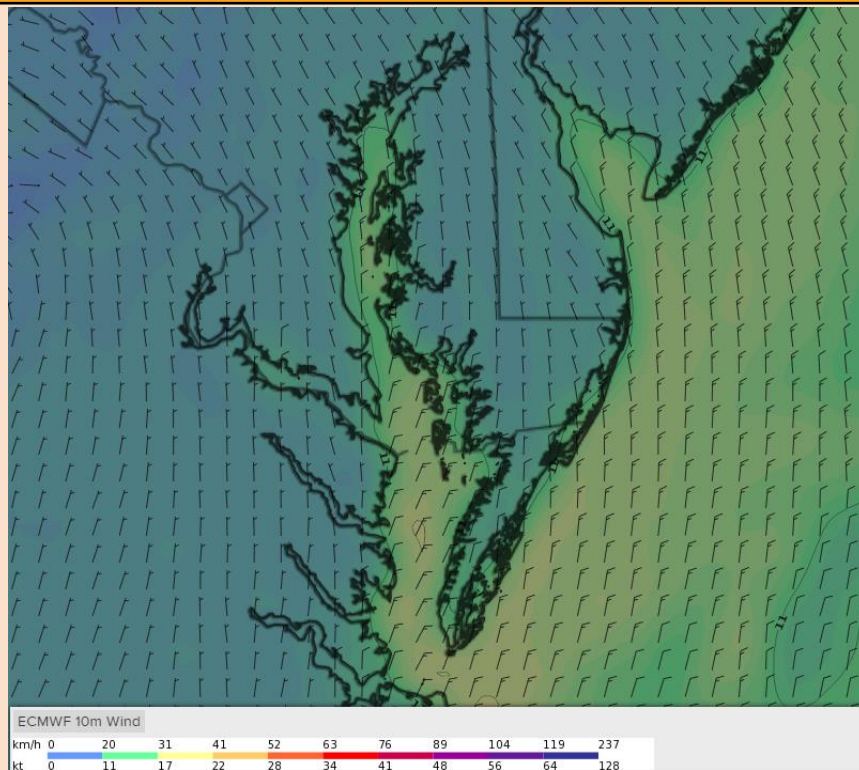
0800 EDT SUNDAY



High pressure east. With a ridge from New England to the Carolinas. High pressure will lie somewhere north of Baltimore within the ridge. Gradient will be veering from NE > E > SE with time. Low pressure developing off SE US coast.

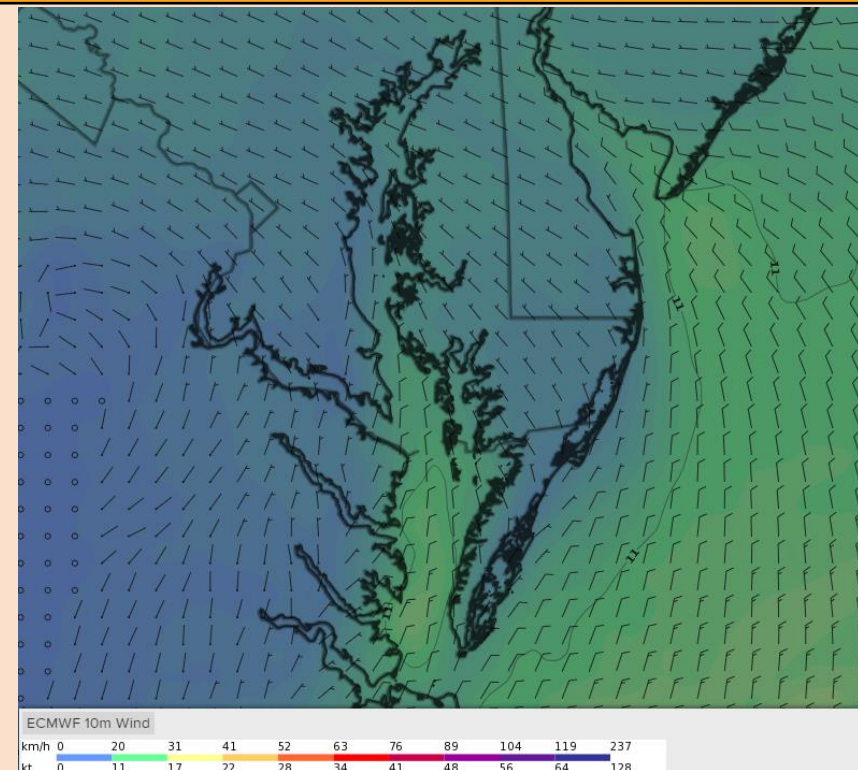
# WIND FORECAST

1000 EDT SATURDAY



Cold front to the east and high pressure over the Ohio Valley supports NNW/N winds over the Chesapeake in the AM. Winds are expected to be strongest mid- to late-AM as gradient peaks with strongest mixing, then ease through the PM as the gradient weakens.

1600 EDT SATURDAY

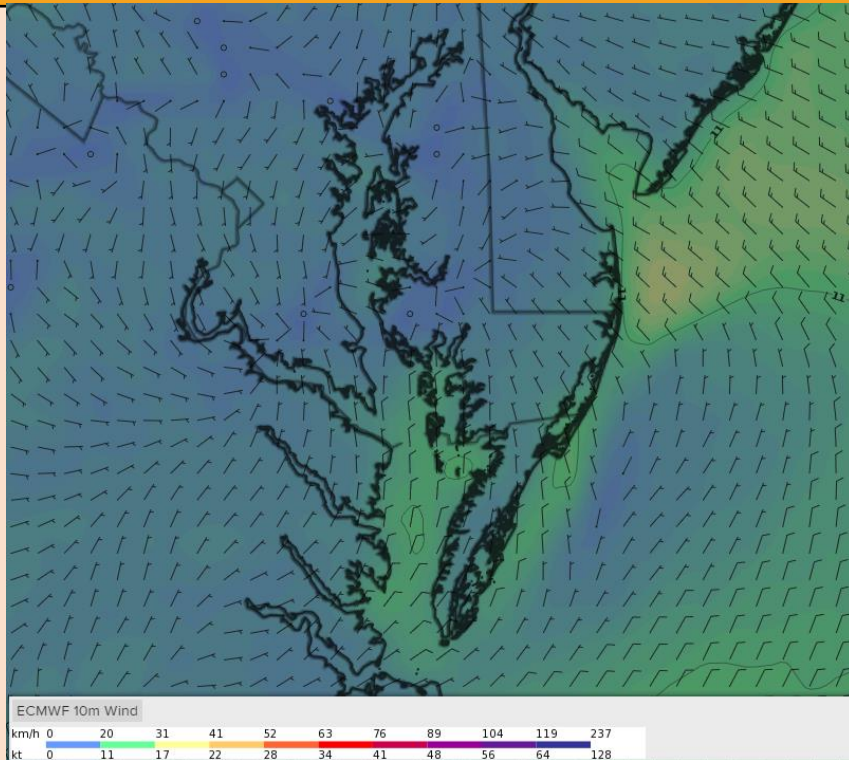


High pressure moving from the west means a gradually weaker/easing gradient. Winds are forecast to back left in the northern Chesapeake. Stronger winds hold over the southern Bay into the PM. Easing trend expands from north to south with time.



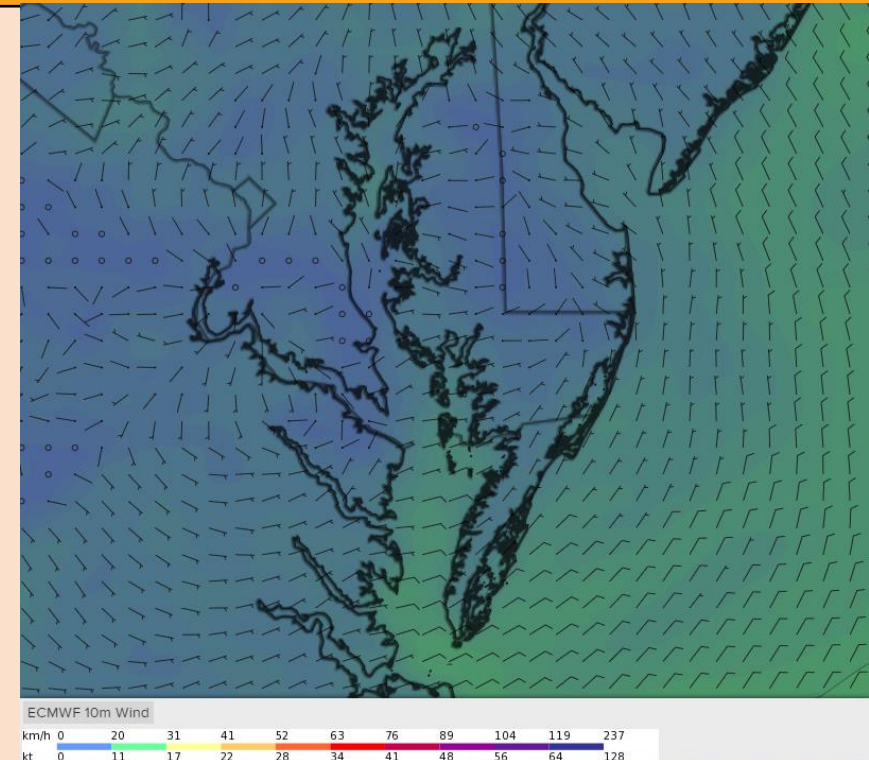
# WIND FORECAST

2200 EDT SATURDAY



Getting quite light across most of the bay. Cooling overnight decouples the gradient from the surface over the land, and this lighter air will expand north to south. Variable winds over the upper bay and N tending NE over the lower. Light and Variable calm middle bay (Annapolis to Potomac).

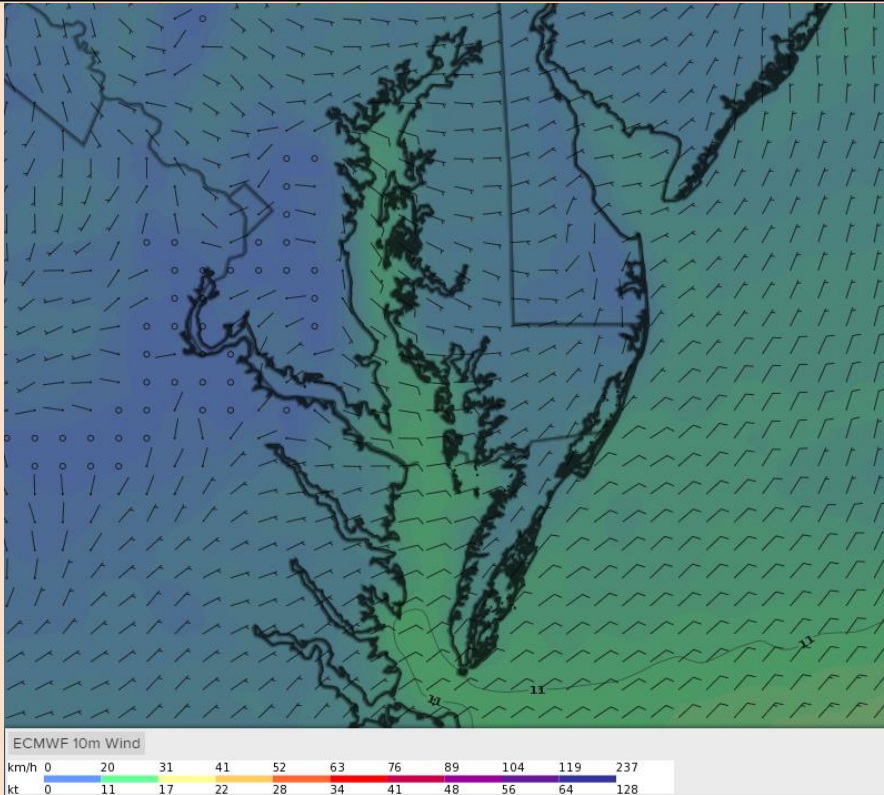
0400 EDT SUNDAY



Gradient re-establishes from the NE/NE across much of the Bay toward sunrise. VERY light in the north. This is combines the effect of wind veering with high pressure moving north of the Chesapeake and a stalled front offshore of the Carolinas.

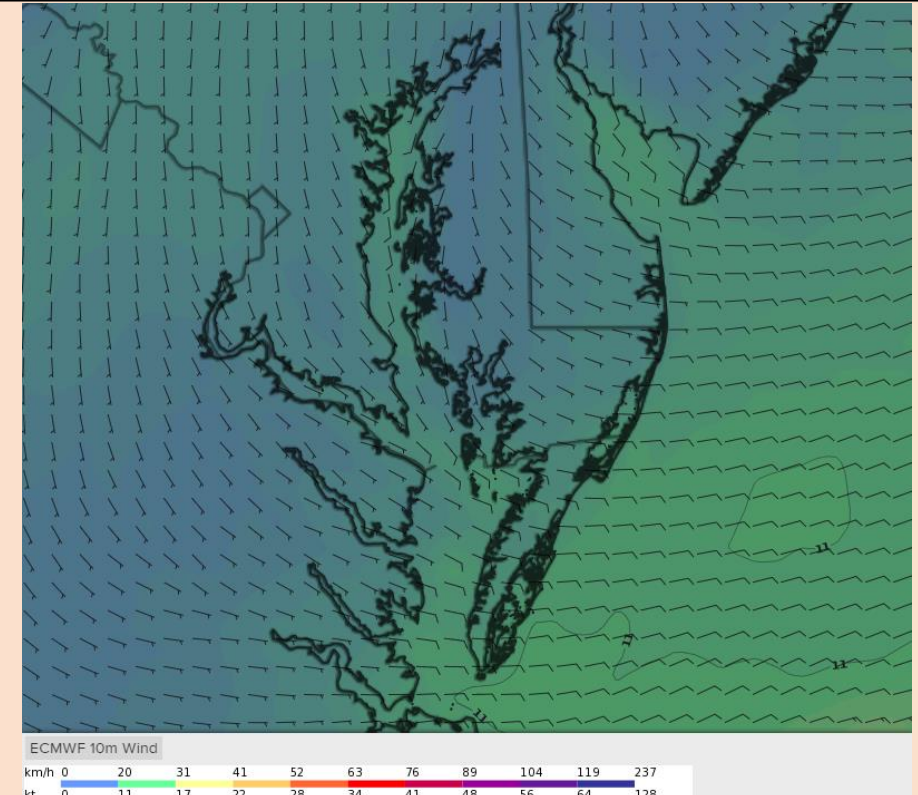
# WIND FORECAST

**1000 EDT SUNDAY**



General veering of gradient sets up NE > 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	360 - 030	▼	L	Persistent	12 - 16	Strongest winds of the weekend first thing on	19
3-Oct-20 11:00	355 - 025	▼	L	Persistent	09 - 13	Saturday morning, then easing and likely backing	16
3-Oct-20 14:00	340 - 010	▼	L	Oscillating	06 - 10	(especially north of Potomac).	12
3-Oct-20 17:00	335 - 005	◀	L	Oscillating	04 - 08	Quickly easing at sunset.	10
3-Oct-20 20:00	345 - 015	▼	R	Persistent	01 - 05	Becoming light and variable.	6
3-Oct-20 23:00	005 - 035	▼		Random	00 - 04	Calm patches. Local drainage flows	5
4-Oct-20 02:00	040 - 070	▶		Random	00 - 04	Watch for NE tending E breeze developing.	5
4-Oct-20 05:00	070 - 100	◀	R	Persistent	02 - 06	E'ly establishing toward sunrise.	7
4-Oct-20 08:00	090 - 120	◀	R	Persistent	04 - 08	Veering trend with modest build. Stronger in	10
4-Oct-20 11:00	125 - 155	▼	R	Persistent	05 - 09	south/lighter in north.	11
4-Oct-20 14:00	150 - 180	▶	R	Persistent	04 - 08		10