



Forecast for Screwpile Lighthouse Challenge

Prepared on Jul 18 12:01z
 By BW

Synopsis: Good morning. A front currently extends from Cape Cod SW'ward to the S'm Chesapeake Bay and this will move SE'ward such that by tomorrow morning it will extends from well south of Nantucket SW'ward to near Virginia Beach. The front will then stall near and east of Virginia Beach tomorrow and move little through the 20th, dissipating that night.

Moderate ridging north and west of the front from W'm New York through the Ohio Valley now will expand SE'ward following the front across the Chesapeake today/tonight. The ridging then broadens slowly tomorrow, becoming weak by tomorrow night as a broad **HIGH** drifts across Pennsylvania with that dissipating by the 21st.

A weak trough is expected to develop along the Appalachians the night of the 19th into the morning of the 20th and this will drift E'ward into the S'm Chesapeake the night of the 20th, dissipating on the 21st.

Well to the north, a front is expected across S'm Quebec and S'm Ontario to Lake Superior am/20th. This will weaken as it moves SE'ward and by am/21st it will extend from the Gulf of Maine W'ward to/across Lake Ontario & Lake Huron. By that evening, it will be located from near Boston W-SW'ward to Central Pennsylvania.

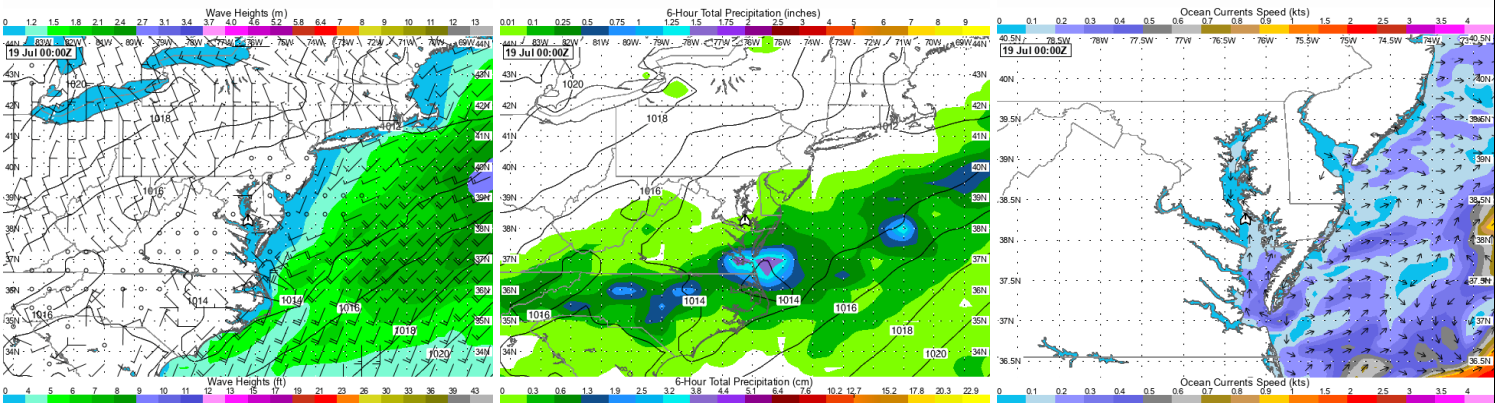
Severe Weather Potential/Advisories: A small craft advisory is in effect until 10:00 am tomorrow. There will be a chance for isolated to scattered showers or squalls Saturday, but the chance for these to become severe looks to be **LOW** at this time. Please monitor NOAA All Hazards Radio on your VHF for the latest official warnings and advisories from The National Weather Service.

Hedge Forecast: The greatest uncertainty at this time lies with how much squall activity will develop for Saturday as the inflow that develops to the east of these will affect the strength of the anticipated S-SE winds. At this time, we do not expect these squalls to be particularly widespread or strong, which will tend to limit the strength of the info and reduce the overall winds.

Conclusions: A nice NE'ly breeze tomorrow morning will unfortunately not last terribly long. Ridging following the front across the region through tonight will weaken quickly during the day tomorrow. As the pressure gradient relaxes, the NE winds will tend to both ease and veer to a more E'ly and even ESE'ly direction in the afternoon.

The winds on both Saturday will be driven by a combination of the weak trough to the west of the region, as well as daytime heating which will tend to freshen the winds somewhat during the afternoon. A similar scenario will then play out on Sunday with the lightest SE'ly winds early in the day, some slight freshening in the afternoon as a sea breeze kicks in.

Click Image for Larger View. Forecast Charts to 15 days provided by **REQUEST**.



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Vicinity At Port

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Forecast for Area/Grid: (38°N-38°30'N/76°W-76°30'W) Screwpile Lighthouse Regatta								SunRise: 04:56 SunSet: 19:26 (ST)	
Forecast Period (LT=Local Time, Z=GMT)	Wind Dir	Wind Spd (Knots)	Swell Dir	Seas Hght Swell Hght	(Feet)	Per(sec) Viz (nm)	Sky Conditions / Advisory	Temp F / C	Currents Dir From/Knots
19/12Z TOM (19) (MORN 08LT)	NE-ENE (45 - 68)	12-16G19	NNE-ENE	Combined 2-3		2 13	MOSTLY CLOUDY	72° / 22°	ENE @ 0.1 Small Craft ADVISORY
19/15Z TOM (19) (MORN/AFTN 11LT)	ENE-E (68 - 90)	12-07	NNE-ENE	Combined 1-3		2 13	PARTLY CLOUDY	76° / 24°	S @ 0.1 Small Craft ADVISORY
19/18Z TOM (19) (AFTN 14LT)	ENE-ESE (68 - 113)	07-03	NE-E	Combined 1-2		2 13	PARTLY CLOUDY	79° / 26°	NW @ 0.1 Small Craft ADVISORY
19/21Z TOM (19) (AFTN 17LT)	E-ESE (90 - 113)	03-07	NE-E	Combined 1-2		2 13	PARTLY CLOUDY	81° / 27°	NNE / WEAK
20/12Z SAT (20) (MORN 08LT)	ESE-SE (113 - 135)	03-07	E-SE	Combined 0-1		2 13	MOSTLY CLOUDY	76° / 24°	NE @ 0.1
20/15Z SAT (20) (MORN/AFTN 11LT)	SE-SSE (135 - 158)	05-09	SE-S	Combined 1-2		2 13	CLOUDY ISOLATED SHWRS/SQUALLS	77° / 25°	S @ 0.1
20/18Z SAT (20) (AFTN 14LT)	SE-SSE (135 - 158)	08-12	SE-S	Combined 1-2		2 13	CLOUDY SCATTERED SHWRS/SQUALLS	80° / 27°	NW @ 0.1
20/21Z SAT (20) (AFTN 17LT)	SSE-S (158 - 180)	06-10	SE-S	Combined 1-2		2 13	CLOUDY ISOLATED SHWRS/SQUALLS	79° / 26°	NNW @ 0.2
21/12Z SUN (21) (MORN 08LT)	S-SSE (180 - 158)	04-08	ESE-SSE	Combined 1-2		5 13	MOSTLY CLOUDY	74° / 23°	NNW @ 0.3
21/15Z SUN (21) (MORN/AFTN 11LT)	SSE-SE (158 - 135)	07-11	ESE-SSE	Combined 1-2		7 13	PARTLY CLOUDY	76° / 24°	SSE / WEAK
21/18Z SUN (21) (AFTN 14LT)	SSE-SE (158 - 135)	07-11	ESE-SSE	Combined 1-2		7 13	PARTLY CLOUDY	89° / 32°	NNW @ 0.2
21/21Z SUN (21) (AFTN 17LT)	SSE-SSW (158 - 203)	05-09	ESE-SSE	Combined 1-2		7 13	PARTLY CLOUDY	79° / 26°	NNW @ 0.4
Comments: *Wind/Seas HIGHER in SQUALLS									

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