



Forecast for Screwpile Lighthouse Challenge

Prepared on Jul 19 10:08Z

By JY

Synopsis: Good day. Broad **HIGH PRESSURE** centered over N'n Illinois extends a broad **HIGH PRESSURE** ridge ENE'ward across Pennsylvania to reach into the Gulf of Maine. This **HIGH PRESSURE** will gradually weaken while remaining quasi-stationary through the 21st as a **COLD FRONT** approaches from the Great Lakes afternoon of the 21st.

A **COLD FRONT** extends SW'ward from Newfoundland and passes offshore Cape Hatteras to be across the Florida Panhandle. Secondary **LOW PRESSURE** will develop along the front over N'n Georgia by this afternoon and lift NE'ward across the Carolinas overnight tonight. The **LOW** appears to then weaken as it continues across the S'n Chesapeake Bay tomorrow morning, before then moderately strengthening while continuing NE'ward to 40N/62W by morning of the 21st. The associated front will lift N'ward across the Carolinas with the low, before stalling ENE' ward and remaining stationary through the 21st.

A **COLD FRONT** will track S'ward from Canada to extend from the Saint Lawrence River WSW'ward through Wisconsin by tomorrow evening. The front will then shift SE'ward into New England while weakening through the 21st to extend from the Gulf of Saint Lawrence WSW'ward through Lake Erie.

Current Conditions: A buoy located NE of Bloodsworth Island reported sustained NE'ly breezes at 12 knots, occasionally gusting up to 15 knots at 0930 UTC(0530 LT). Another buoy offshore Potomac reported NE'ly breezes at 12 knots and accompanying gusts up to 16 knots at 0942 UTC, with specific wave heights reported at 0.3 feet (0542 LT).

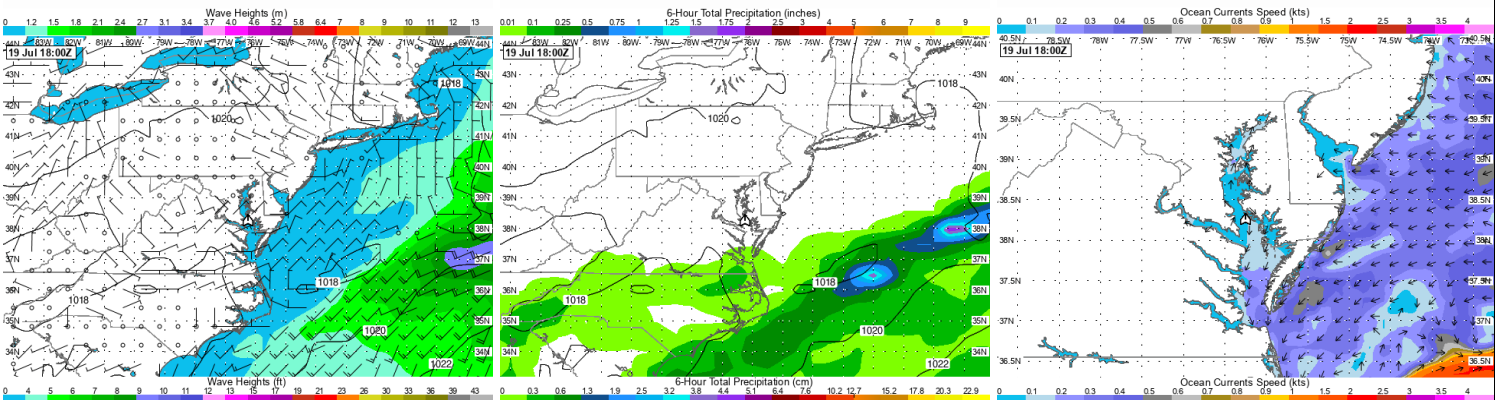
Severe Weather Potential/Advisories: A Small Craft Advisory will remain in effect through 1000 LT this morning. Please monitor NOAA All Hazards Radio on your VHF for the latest official warnings and advisories from The National Weather Service.

Hedge Forecast: The primary area of uncertainty for this weekend will be the exact placement of squalls associated with the secondary **LOW** shifting through the S'n Chesapeake Bay tomorrow afternoon. These currently appear to remain largely isolated across the area of the Chesapeake covered by the race grid, with severe clusters expected to remain largely confined from Chincoteague SW'ward to Cape Charles. If these squalls are to shift farther north into the S'n periphery of the race grid, higher NE'ly breezes will be expected tomorrow afternoon and evening due to the inflow of these squalls.

Conclusions: NE'ly breezes earlier this morning will unfortunately tend to lower gradually throughout the morning, veering NE-E-SE'ly from midday through late afternoon today as a weak **LOW** tracks NE'ward along a stalled **COLD FRONT** to the south of the Chesapeake. These SE'ly breezes will tend to moderately increase tomorrow evening as the **LOW** approaches, with the **LOW** expected to shift south of the race grid. While the **LOW** itself is currently expected to remain to your south, the passing of the **LOW** will result in NE'ly breezes freshening late tomorrow afternoon and evening across the Chesapeake Bay. These will tend strongest across and south of Smith Island.

Overnight tomorrow, breezes will then lower and shift NW'ly by morning of the 21st. These breezes will tend to lower through midday for the final day of the event, with breezes then shifting S-SSE'ly and increasing through the evening as an approaching front tracks south from the Great Lakes.

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



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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
19/08LT TODAY (MORN 12 GMT)	NNE-ENE (23 - 68)	08-17G20	N-NNE	Combined 2-3		2 13	MOSTLY CLOUDY	73° / 23°	NNE @ 0.1 Small Craft ADVISORY
19/09LT 13 GMT	NE (45)	13 GUSTS 16	NW	Combined 1		4 13	MOSTLY CLOUDY	73° / 23°	SE @ 0.1 Small Craft ADVISORY
19/10LT 14 GMT	NE (45)	11 GUSTS 12	NW	Combined 1		3 13	MOSTLY CLOUDY	73° / 23°	S @ 0.1 Small Craft ADVISORY
19/11LT TODAY (MORN/AFTN 15 GMT)	NNE-ENE (23 - 68)	05-12	WNW-NNW	Combined 1-3		2 13	PARTLY CLOUDY	76° / 24°	SSW @ 0.1 Small Craft ADVISORY
19/12LT 16 GMT	NE (45)	7 GUSTS 8	NW	Combined 1		3 13	PARTLY CLOUDY	76° / 24°	SW @ 0.1 Small Craft ADVISORY
19/13LT 17 GMT	ENE (68)	5 GUSTS 7	NW	Combined 1		3 13	PARTLY CLOUDY	76° / 24°	WNW @ 0.1 Small Craft ADVISORY
19/14LT TODAY (AFTN 18 GMT)	NE-E (45 - 90)	01-07	WNW-NNW	Combined 0-1		2 13	PARTLY CLOUDY	79° / 26°	NW @ 0.2 Small Craft ADVISORY
19/15LT 19 GMT	ESE (113)	5 GUSTS 7	NW	Combined 1		3 13	PARTLY CLOUDY	79° / 26°	NW @ 0.2 Small Craft ADVISORY
19/16LT 20 GMT	SE (135)	5 GUSTS 7	NW	Combined 1		3 13	PARTLY CLOUDY	79° / 26°	NNW @ 0.1 Small Craft ADVISORY
19/17LT TODAY (AFTN 21 GMT)	ESE-SSE (113 - 158)	06-11	WNW-NNW	Combined 1-2		2 13	MOSTLY CLOUDY	81° / 27°	N @ 0.1
19/18LT 22 GMT	SE (135)	8 GUSTS 9	NW	Combined 1		3 13	MOSTLY CLOUDY	81° / 27°	ESE @ 0.1
19/19LT 23 GMT	SE (135)	12 GUSTS 12	WNW	Combined 1		3 13	MOSTLY CLOUDY	81° / 27°	SE @ 0.2
19/20LT 00 GMT	SE (141)	15	SSE	Combined 1		3 13	MOSTLY CLOUDY	81° / 27°	SSE @ 0.3
20/08LT TOM (20) (MORN 12 GMT)	E-SE (90 - 135)	10-15	SE-S	Combined 2-3		2 13	CLOUDY ISOLATED SHWRS/SQUALLS	76° / 24°	NNE @ 0.1
20/11LT TOM (20) (MORN/AFTN 15 GMT)	ENE-ESE (68 - 113)	11-16	ESE-SSE	Combined 2-3		2 13	CLOUDY ISOLATED SHWRS/SQUALLS	77° / 25°	SSE @ 0.1
20/14LT TOM (20) (AFTN 18 GMT)	NE-E (45 - 90)	09-16G22	SE-S	Combined 2-3		2 10	CLOUDY ISOLATED SHWRS/SQUALLS	77° / 25°	NW @ 0.1
20/17LT TOM (20) (AFTN 21 GMT)	NE-E (45 - 90)	14-19G22	SE-S	Combined 2-3		2 13	MOSTLY CLOUDY ISOLATED SHWRS/SQUALLS	74° / 23°	N @ 0.2
20/20LT TOM (20) (AFTN 00 GMT)	NE-E (45 - 90)	07-12	SE-S	Combined 1-2		2 13	MOSTLY CLOUDY ISOLATED SHWRS	73° / 23°	SE @ 0.1
21/08LT SUN (21) (MORN 12 GMT)	W-NW (270 - 315)	04-09	SSE-SSW	Combined 1-2		2 13	CLEAR	74° / 23°	NNW @ 0.3
21/11LT SUN (21) (MORN/AFTN 15 GMT)	WNW-NNW (293 - 338)	01-06	SSE-SSW	Combined 0-1		2 13	CLEAR	79° / 26°	SSE @ 0.1
21/14LT SUN (21) (AFTN 18 GMT)	SSE-SSW (158 - 203)	07-12	SSE-SSW	Combined 1-2		2 13	PARTLY CLOUDY	80° / 27°	NNW @ 0.1
21/17LT SUN (21) (AFTN 21 GMT)	SE-S (135 - 180)	12-17	SSE-SSW	Combined 2-3		2 13	MOSTLY CLOUDY	81° / 27°	N @ 0.4

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21/20LT SUN (21) (AFTN 00 GMT)	SSE-SSW (158 - 203)	13-18	SSE-SSW	Combined 2-3	2 13	CLEAR	81° / 27°	NNE @ 0.1
Comments: *Wind/Seas HIGHER in SQUALLS								

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