



**Forecast for Screwpile Lighthouse Challenge**

Prepared on Jul 20 11:22Z  
 By AA

**Synopsis:** Good morning.

A stalled front extends from the Outer Banks ENE'ward to pass just offshore SE'n Labrador. This front will remain quasi-stationary through tomorrow night while generating a series of weak **LOWS** along the coast of the Outer Banks, with these **LOWS** expected to remain weak as they track ENE'ward along the front.

Broad ridging located over the Delmarva Peninsula currently extends SW'ward into the N'n Chesapeake Bay. This weak ridging will break down through this evening ahead of a **COLD FRONT**.

A **GALE** located over N'n Quebec extends a **COLD FRONT** from W'n Labrador SW'ward through Lake Superior. This front will track SSE'ward into E'n New England through tomorrow morning to extend from New Brunswick WSW'ward through the Great Lakes. This front will then dissipate through the evening of the 22nd while sagging S'ward into Pennsylvania through that time.

**Current Conditions:** A buoy located just south of Solomons reported SE'ly breezes between 4-5 knots this morning at 10:00 UTC. Farther north, a buoy located just north of Cove Point Lighthouse reported E'ly breezes at 9 knots, gusting up to 10 knots.

**Severe Weather Potential/Advisories:** Please monitor NOAA All Hazards Radio on your VHF for the latest official warnings and advisories from The National Weather Service.

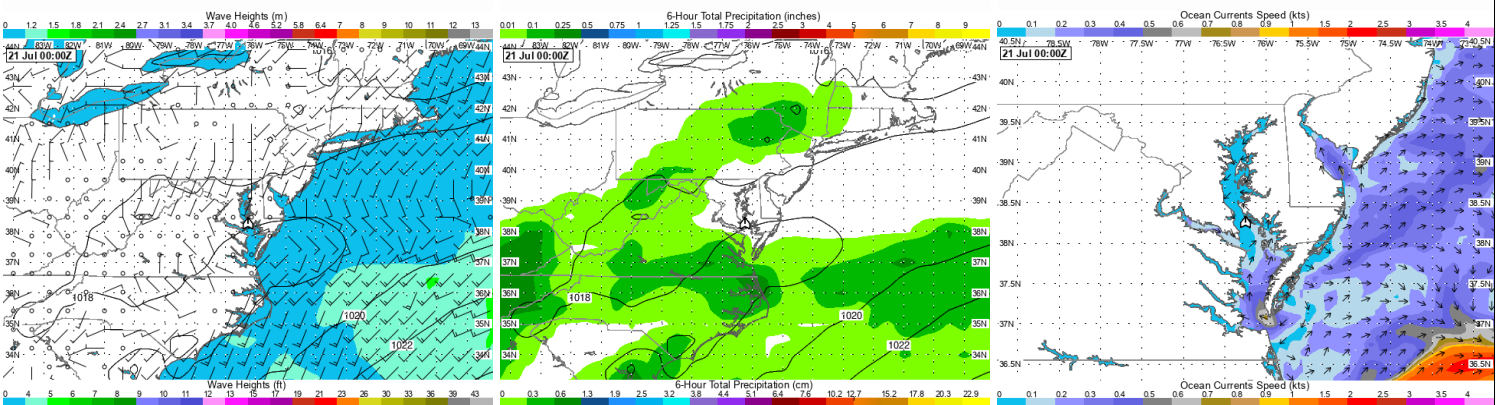
**Hedge Forecast:** We have moderate confidence that strong thunderstorms will be expected to remain south of the race area today, though if these squalls do shift N'ward into the S'n extent of the grid SE'ly gusts would be expected into the low-20s. There will also be a slight potential for stray showers to move into the region this afternoon, though these are not expected to be lightning dense.

**Conclusions:** As a stalled front remains positioned south of the race area across the through this morning, SE'ly breezes will remain light initially this morning across the Chesapeake Bay. As the front jogs slightly N'ward across the mouth of the Chesapeake Bay through this afternoon, we expect these SE'lys to increase to tend a bit more moderate in nature. These breezes will also generate some shorter period SE'ly combined seas up to 3-4 feet at times mid afternoon today in exposed areas to SE'ly fetch within the Bay.

As mentioned above, we currently expect the majority of thunderstorms to pass safely south of the race area, remaining confined to waters south of Bloodsworth Island as the above **COLD FRONT** is not expected to lift as far north. That being said, occasional showers may break off from these stronger clusters and lift NNW'ward towards the Solomons vicinity near the end of today's events early this evening.

For the final day of the event, broad pressure gradients in the wake of the front will unfortunately result in a lack of good sailing winds through the remainder of the forecast period. Light N'ly breezes in the morning will tend to veer SE'ly through the afternoon hours tomorrow, with seas also remaining calm across the bay. Given broad ridging will build across the region briefly through tomorrow, squalls and showers will also remain quite isolated, though there will be a slight chance for some minor showers early on in the morning before easing quickly through midday.

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



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Above Vessel's Constraints

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: 19:25 (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
20/12Z TODAY (MORN 08LT)	E-SE (90 - 135)	02-11	SE-S	Combined 0-2		2 13	CLOUDY	78° / 26°	NNE @ 0.1
20/13Z 09 LT	ESE (113)	10 GUSTS 10	SSE	Combined 1		3 13	CLOUDY	78° / 26°	ESE @ 0.1
20/14Z 10 LT	ESE (113)	9 GUSTS 10	SSE	Combined 1		3 13	CLOUDY	78° / 26°	SE @ 0.1
20/15Z TODAY (MORN/AFTN 11LT)	ESE-SSE (113 - 158)	11-20	SE-S	Combined 2-4		2 13	CLOUDY	80° / 27°	SSE @ 0.1
20/16Z 12 LT	SE (135)	12 GUSTS 13	SSE	Combined 1		3 13	CLOUDY	80° / 27°	S @ 0.1
20/17Z 13 LT	SE (135)	13 GUSTS 14	SSE	Combined 1		3 13	CLOUDY	80° / 27°	SW @ 0.1
20/18Z TODAY (AFTN 14LT)	E-SE (90 - 135)	09-18	SSE-SSW	Combined 2-4		2 13	CLOUDY	81° / 27°	NW @ 0.1
20/19Z 15 LT	ESE (113)	14 GUSTS 15	S	Combined 1		3 13	CLOUDY	81° / 27°	NNW @ 0.2
20/20Z 16 LT	SE (135)	15 GUSTS 17	SSE	Combined 1		3 13	CLOUDY	81° / 27°	NNW @ 0.2
20/21Z TODAY (AFTN 17LT)	ESE-SSE (113 - 158)	14-19	SE-S	Combined 3-4		2 13	MOSTLY CLOUDY	80° / 27°	N @ 0.2
20/22Z 18 LT	SE (135)	14 GUSTS 15	SSE	Combined 1		4 13	MOSTLY CLOUDY	80° / 27°	NNE @ 0.1
20/23Z 19 LT	SE (135)	11 GUSTS 20	S	Combined 1		3 13	MOSTLY CLOUDY	80° / 27°	NE @ 0.1
21/00Z TODAY (AFTN 20LT)	ESE-SSE (113 - 158)	07-12G20	SSE-SSW	Combined 1-2		2 13	MOSTLY CLOUDY	77° / 25°	ESE @ 0.1
21/12Z TOM (21) (MORN 08LT)	NW-N (315 - 0)	03-08	SSE-SSW	Combined 1-2		2 13	CLEAR	77° / 25°	NNW @ 0.3
21/15Z TOM (21) (MORN/AFTN 11LT)	NNE-ENE (23 - 68)	00-05	SSE-SSW	Combined 0-1		2 13	CLEAR	79° / 26°	SSE @ 0.1
21/18Z TOM (21) (AFTN 14LT)	SE-S (135 - 180)	05-10	SSE-SSW	Combined 1-2		2 13	CLEAR	81° / 27°	NNW @ 0.1
21/21Z TOM (21) (AFTN 17LT)	SE-S (135 - 180)	11-16	SSE-SSW	Combined 2-3		2 13	PARTLY CLOUDY ISOLATED SHWRS/SQUALLS	82° / 28°	N @ 0.3
22/00Z TOM (21) (AFTN 20LT)	SSE-SSW (158 - 203)	09-14	SSE-SSW	Combined 2-3		2 13	PARTLY CLOUDY ISOLATED SHWRS/SQUALLS	82° / 28°	NE @ 0.1

**Comments: \*Wind/Seas HIGHER in SQUALLS**

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