

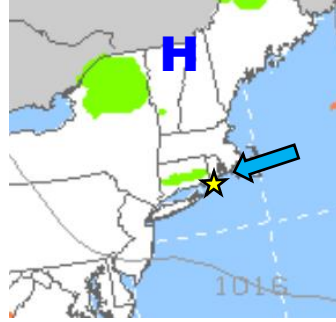
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Forecast Location: Block Island, RI

Forecast Date/Time: 0700 EDT Mon June 19 2023

Forecast by: Chelsea Freas

18utc / 1pm EST



Big Picture/ Gradient: High pressure is sitting to the north; bringing us east-northeast gradient wind today. At 1,000ft up, gradient winds are from 090-100. At the surface, we may see winds a bit further right into the ESE or locally shifting SE around Block

General Weather
Sky: Patchy low clouds early, becoming sunny/partly cloudy.
Waves: S-SSE, 2-4 ft
Air Temp: High 68
H2O Temp: low 60s
Tides: high 10:03 am
low 3:29 pm

- Details:**
- **Bottom Line: E gradient winds veer to ESE - lighter/patchier on Green/White and stronger/veered on Blue.**
 - This morning our winds are around 080 at 10 kts, mostly sunny
 - a patch of low cloud is just offshore, but widespread low cloud/fog doesn't look like an issue this AM
 - E gradient wind will remain, and big question today is how much winds will veer into ESE or SE.
 - one thought is, if skies are cloudier then winds are likely to stay more left.
 - While winds are blowing offshore across the island, expecting shifty and patchy breeze
 - if any marks are within 100m of shore, could see a frictional lefty shift there.
 - 12pm-2pm could be a transition time when winds begin to veer more SE
 - could become a bit lighter during this transition
 - blue circle would see the transition first as wind begins to come around SW corner of Block.
 - Pressure generally increasing into the later part of the afternoon as mixing occurs
 - possible for up to 15-16 kt towards end of afternoon, esp if accelerating around corner of Block
 - Green and White circles more likely to have lighter, shifter winds, that are generally more left
 - Blue circle is more likely to have the veered winds first, and overall stronger pressure into aftn – especially along the right side of their course

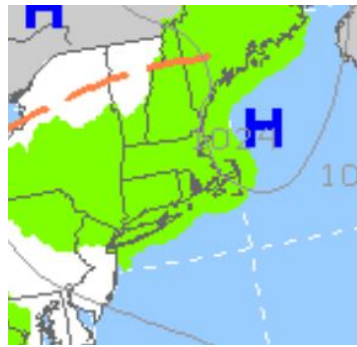
Wind Forecast

Time (EST)	1000	1100	1200	1300	1400	1500	1600	1700	1800
Wind Direction (mag)	040-060	050-080	090-100	090-120	100-130	130-160	130-160	130-160	130-160
Wind Speed (knots)	6-11	7-12	8-12	8-12	8-14	9-14	9-14	10-14	10-14
Gust (knots)					15	16	16	16	16
Comments				wind veering; maybe light in transition	wind veering; maybe light in transition	could remain 100-120			

- Confidence/ Alternative scenarios**
- Confidence is average
 - Biggest uncertainty is how far the winds will veer
 - thinking that sunnier skies will indicate a higher chance for veering
 - if more clouds around, coming from the left, then better chance for winds to stay left end of range.
 - Also, not sure how winds would get during the transition to an ESE to SE wind.
 - could drop to below 10 during this time
 - Max right today would be 140-150. Max left is 080-090.

Outlook
Tues June 20

Similar to Monday! High pressure will be to the east, and gradient wind will fill from E, maybe veering to ESE by afternoon. Only slight risk for a shower, with some clouds likely.

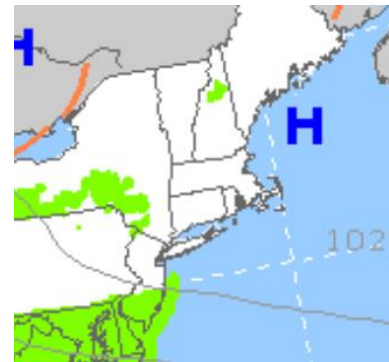


Time (EST)	1000	1200	1400	1600
Wind Direction (mag)	090-100	090-120	090-110	090-110
Wind Speed (knots)	7-12	8-13	9-14	9-14
Gust (knots)			15	15

Weather Partly/mostly cloudy w/ slight chances for showers
Sky
Temps high 67
Seas SE 2-3 ft

Outlook
Wed June 21

High pressure will be centered near Gulf of Maine or just over NH/Maine. Bringing E-SE winds still. Pressure looking a bit stronger than previous days.

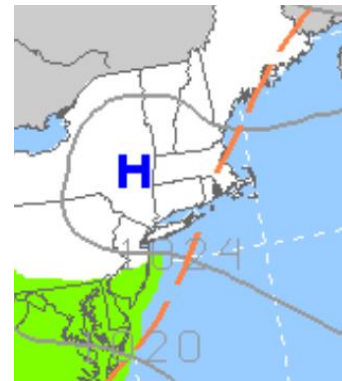


Time (EST)	1000	1200	1400	1600
Wind Direction (mag)	080-100	090-110	110-140	130-150
Wind Speed (knots)	10-15	10-15	10-14	10-15
Gust (knots)	17	17	17	16

Weather Sunny
Sky
Temps High 69
Seas SE 2-4 ft

Outlook
Thurs June 22

High degree of uncertainty for Thursday and Friday. Models can't decide exactly where the ridge of high pressure will land - it could be right over us with very little wind (0-5), or just north of us with stronger E winds(10-16) still.

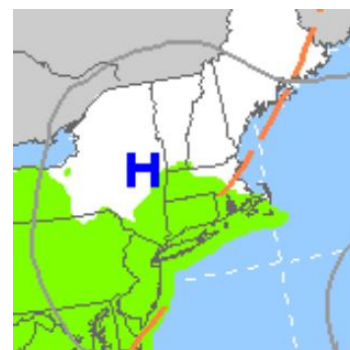


Time (EST)	1000	1200	1400	1600
Wind Direction (mag)	070-090	100-130	140-160	140-160
Wind Speed (knots)	4-8	6-10	7-11	8-13
Gust (knots)				

Weather Sunny
Sky
Temps High 71
Seas S-SW 3-5 ft

Outlook
Fri June 23

S- SW gradient wind will build as high pressure sits to the south now.



Time (EST)	1000	1200	1400	1600
Wind Direction (mag)	190-210	200-220	200-220	220-240
Wind Speed (knots)	6-10	7-13	8-13	8-13
Gust (knots)				

Weather Mostly sunny, slight chance for a shower.
Sky
Temps High 73
Seas S-SW 3-5 ft