

Forecast Exclusively for: Block Island Race Participants

Event: 2022 Block Island Race
 First Start: 1400 EST Fri May 27, 2022
 Forecast prepared: 1500 EST Thurs May 26, 2022

Summary.... Big Picture/overall pattern

- A cutoff 500mb low and surface low pressure & trough will lift from the Central Plains northeast towards PA/NY by Saturday morning. By Saturday evening the low has lifted away and a weak cold front pushes through Long Island Sound.
- For the start tomorrow, gradient winds will be SW with the trough to our west.
 - The low will be lifting from Lake Erie up into Canada, just leaving a trough extending down across the Midwest
- Winds remain SW through Saturday, as the slow moving trough tries to push offshore
 - Late Saturday, winds will shift to NW behind a cold front.

Forecast Fri May 27

- Will start out with light winds in the morning, as gradient may struggle to push into western Sound
 - However by the starts around 2-3pm, gradient should be working into Sound
- Mainly S'y winds, SSE-SSW, increasing from afternoon into evening
- Thinking Fri will be mostly dry with mainly cloudy skies, a few peeks of sun/thin high clouds is possible
 - Also slight chances for a shower or two around, but main rain threat looks to be Sat.
- In general expect cloudy skies to bring winds more left of my range and sunnier areas to bring winds more right side of my range.
- Tides at mouth of Long Island Sound:
 - 2000-2100: flood tide is ending.
 - 2200-2300: slack, gradually changing to Ebb tide by 0000

Fri Weather: Mostly cloudy, slight risk for a shower

High Temps: 75 over land / 70 over water

Low PM Temps: around 60

Water Temps: Upper 50s, near 60 western sound

Seas: S'y 2-3 ft inside Sound; increasing to 4 ft outside Sound

Detailed Winds (10m):

Time (EST)	0500	0800	1100	1400-1500	1700	2000	2300
Wind Direction (magnetic)	160-180	160-180	Light/var	180-200	180-200	190-210	190-210
Wind Speed (knots)	4-8	3-7		5-9	11-16	12-18	14-20
Gusts up to (knots)						20-25 near shwrs	20-25 near shwrs
Comments/ Location			Hole near Stamford	Approx. STARTS			Eastern End LIS

Sat May 28

- Gradient strengthens overnight exiting the Sound
 - Speeds up to mid to upper teens
 - Could see more than that- up to 20s around edges of any showers
- Big differences on the models in terms of wind strength for Sat -
 - ECMWF is much stronger (20s max) while GFS is lighter (mid-teens max) and NAM is split between the two
 - Have favored the NAM for now, until we get more Hi-res data tomorrow.
- Clouds/ Showers/Storms...
 - Early morning, 12am-5am will have broken line of showers/storms approaching from the west
 - Watch radar, storms approaching from west, and likely will weaken as they get over the cooler waters.
 - Scattered showers also developing along/embedded in SW wind flow through the morning hours (6-10am.)
 - Then clearing from west to east Saturday late morning.

- Sunny/clearing Saturday afternoon, with another slight chance for a shower just ahead of the cold front (early evening, 5-6pm)

Sat Weather: Broken line of rain moving through, slight risk for a thunderstorm. Scattered showers through the morning. Turning clear late.

High Temps: mid 60s

Low Temps: low 60s

Water Temps: Mid 50s Block Island Sound

Seas: S'ly up to 5-6 ft Block Island Sound

Time (EST)	0200	0500	0800	1100	1400	1700	2000	2300
Wind Direction (magnetic)	180-200	170-190	160-180	180-210	180-210	270-290	270-300	290-310
Wind Speed (knots)	14-20	14-20	11-15	10-15	10-15	8-15	10-17	12-17
Gusts up to (knots)	20-25 near shwrs	20-25 near shwrs				18		
Comments/ Location	Block Island Sound	Block Island Sound	E Long Island Sound	Long Island Sound	W LIS/ boats finishing	W LIS/ boats finishing	W LIS	W LIS

Sun May 29

- Winds NW behind cold front overnight/early morning, diminishing around daybreak.
- High pressure moves overhead bringing very light early morning winds, with onshore sea breezes likely for the afternoon.

Sun Weather: Clear, becoming sunny.

High Temps: Low to mid 70s

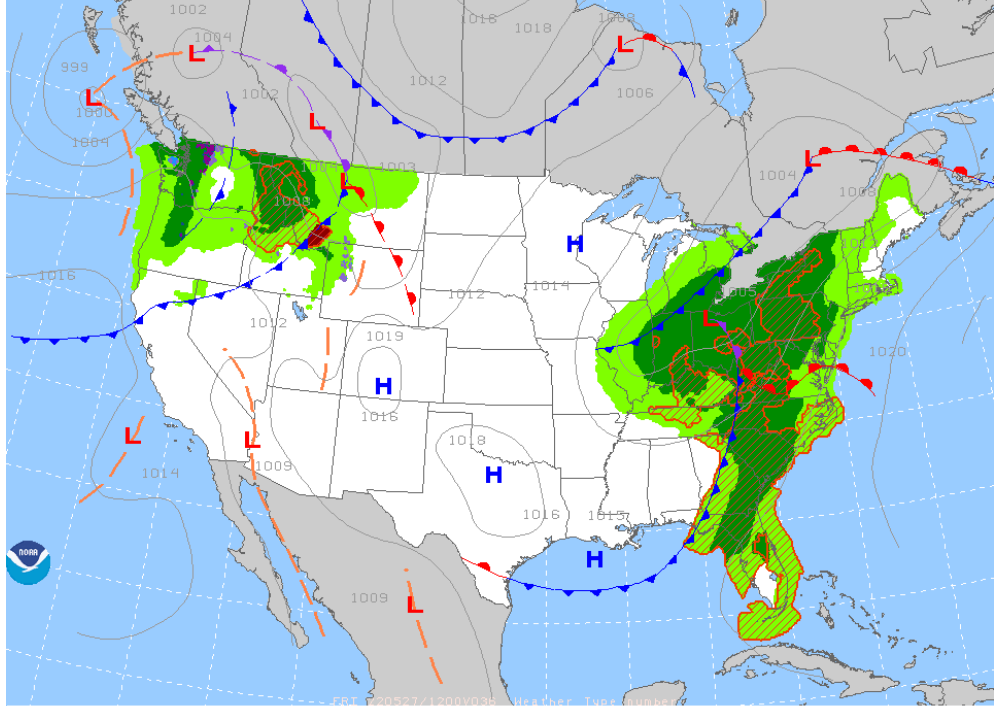
Low Temps: around 60

Seas: flat in the Sound

Time (EST)	0200	0500	0800
Wind Direction (magnetic)	300-320	300-320	290-310
Wind Speed (knots)	8-12	5-9	2-7
Gusts up to (knots)			
Comments	W LIS	W LIS	W LIS

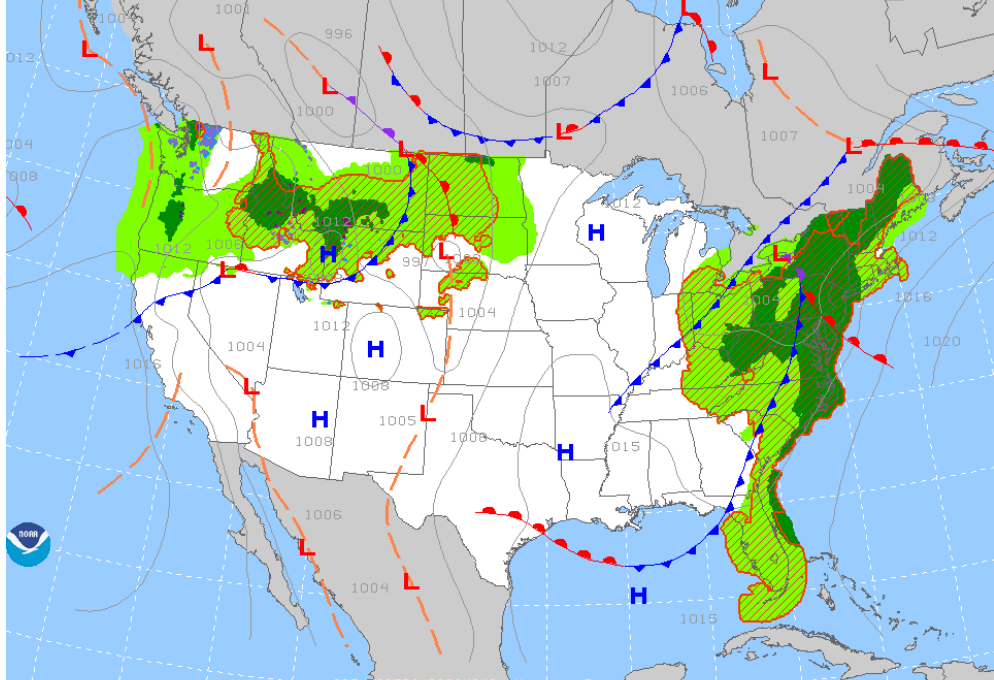
Surface Maps

36-HR FCST OF FRONTS/PRESSURE AND WEATHER VALID: 1200 UTC FRI 27 MAY 2022



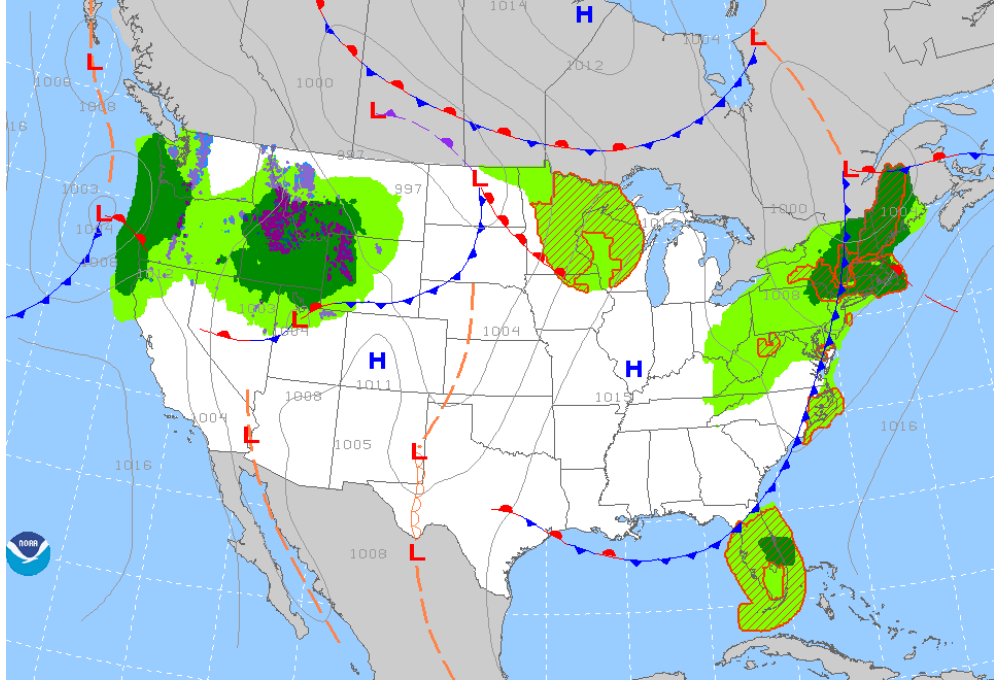
DOC/NOAA/NWS/NCEP/MPG ISSUED: 0608 UTC THU 26 MAY 2022

48-HR FCST OF FRONTS/PRESSURE AND WEATHER VALID: 0000 UTC SAT 28 MAY 2022



DOC/NOAA/NWS/NCEP/MPG ISSUED: 0610 UTC THU 26 MAY 2022

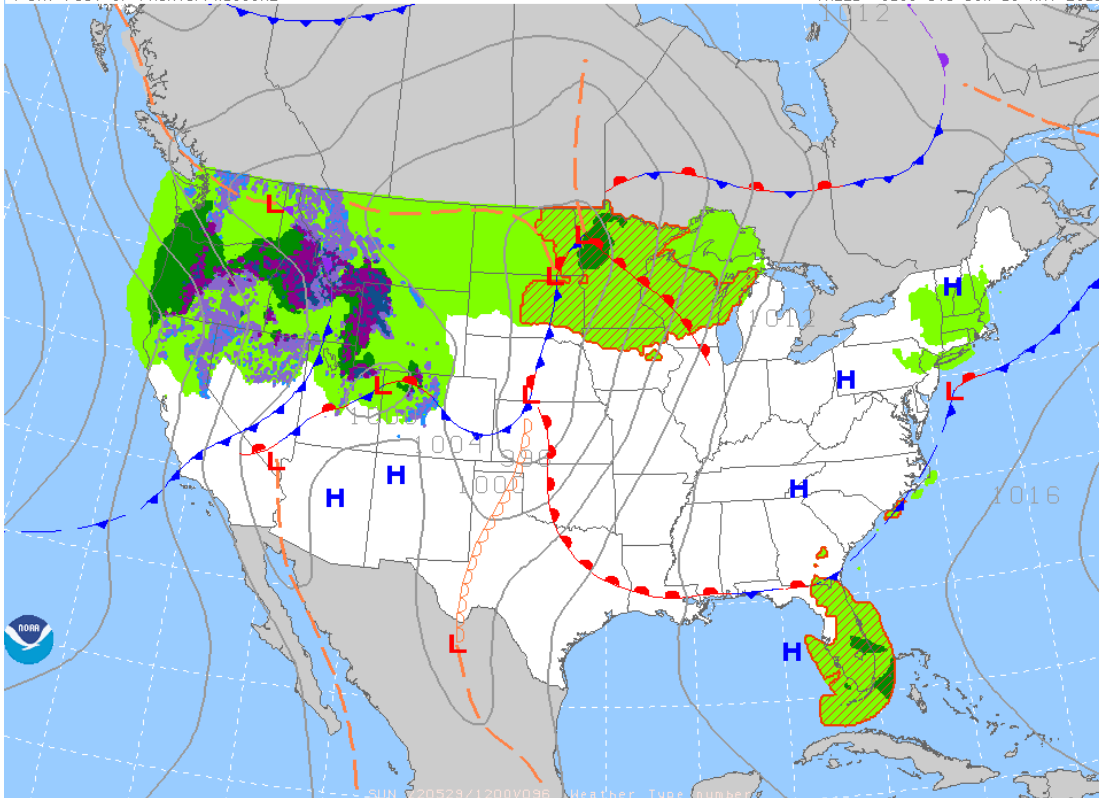
60-HR FCST OF FRONTS/PRESSURE AND WEATHER VALID: 1200 UTC SAT 28 MAY 2022



DOC/NOAA/NWS/NCEP/MPG ISSUED: 0611 UTC THU 26 MAY 2022

4 DAY FCST OF FRONTS/PRESSURE

VALID: 1200 UTC SUN 29 MAY 2022



DOC/NOAA/NWS/NCEP/WPC

ISSUED: 2150 UTC WED 25 MAY 2022