

# ClearPoint Weather Update

SailNewport Regatta 2007  
Newport, RI – July 13th



**CLEARPOINT**

# What ClearPoint Provides to Sailors

- **High resolution (2 km) weather radar (where available)**
- **High resolution (1 km) wind forecasts for:**
  - - Any sailing region (currently Valencia, Newport)
- **Current observations and 6-12-24-48-72 hour forecasts for:**
  - - Surface wind speed, direction, and temperature
  - - Wave height/ period
  - - Visibility
  - - Cloud cover and precipitation
  - - Sea surface temperature and ice cover
- **Local shore and port current conditions and forecasts**
- **Tropical cyclone and significant weather tracking**

# Pre-Race Analysis for Friday, July 13<sup>th</sup>

- **General overview**

- Light S 4-8 knot winds in morning strengthening to SSW 12-15 knots.
- High E of Bermuda and L over eastern Hudson Bay both moving slowly E are providing gradient influenced S to SW winds. Clear skies will generate additional local heating on normal thermal winds in Narragansett Bay.
- Winds will tend to be moderately shifty (10-15 degrees) in the 10 to 15 knot range and streaky, oscillating all day, from S to SW. Late in afternoon, winds diminish to 8-12 knots from SSW.

- **Detail overview**

- 1100 hrs- S-SW inshore 6-9 knots, SW offshore 8-10 knots
- 1200 hrs- SSW inshore 8-10 knots, SW offshore 9-11 knots
- 1300 hrs- SSW inshore 10-13 knots, SSW-SW offshore 12-14 knots
- 1400 hrs- SSW inshore 12-15 knots, SSW offshore 12-14 knots
- 1500 hrs- SSW inshore 11-14 knots, SSW offshore 9-12 knots
- 1600 hrs- SSW inshore 9-12 knots, SSW offshore 9-12 knots
- 1700 hrs- SSW inshore 8-12 knots, SSW offshore 8-12 knots

# Pre-Race Analysis for Friday, July 13<sup>th</sup>

- **Tactical overview**

- Midday (11 am to 2 pm):

- Watch breeze development across course and know timing of oscillations.
    - If inshore, the geographic shifts will predominate as always and the course geometry will determine which shores to favor, but with a strong southerly influence north of the bridge you will have to watch left side of course, later in day watch right side of course.
    - If offshore, oscillations will be critical as well as wind streaks. No overwhelming need to get to either side of course, but must watch left side of course as breeze develops.
    - Key is maintaining timing of oscillations and watching long wind streaks and keeping in synch with oscillations for maximum gains. Streaks will be prevalent.

- Afternoon (2 pm to 5 pm):

- Inshore winds will build up to 15 knots SSW and must continue to watch geographic influence on breeze with wind coming off either shores (if eastern shore, large port tack lifts, if western shore large starboard tack lifts if going upwind in SSW breeze).
    - Offshore winds will continue to oscillate and maintain 10-14 knots SSW fairly uniform over course.