

Location : **MV\_Ocean\_Researcher**      Coordinates : **41° 2' 0" N / 70° 42' 1" W**      Time Zone : **GMT -4.0**

Report issued at : **Mon 04-Dec-2017 02:00 LT**      Valid 168 hours (7 days) from : **Dec 04 2017 02:00:00**

Hurricane/Storm Advisory :      N/A

Meteorological Situation      A broad High pressure sysytem 1027 located near (40° 23' N/77° 17' W) extends across the region

Forecast Summary :      Winds peaking 32Kts Gusts 45Kts on Wed 06 02:00 and Wave Height reaching 3.6 - 5.4m on Mon 11 02:00

|                        |             |            |                         |                |
|------------------------|-------------|------------|-------------------------|----------------|
| Warnings (next 24 hrs) | Winds : NIL | Wave : NIL | Thunderstorm Risk : NIL | Fog Risk : NIL |
|------------------------|-------------|------------|-------------------------|----------------|

### Tabular Forecast Data

Confidence Levels      High      Moderate      Low

| Days /    |     | Wind 10m (Knots) |              | Wind | Seas (m)    |         |      |             |         |      |             |             |      |
|-----------|-----|------------------|--------------|------|-------------|---------|------|-------------|---------|------|-------------|-------------|------|
| Time(LT)  | Dir | Avg Speed (10 m) | Gusts (10 m) | 50 m | Wind sea Hs | Swell 1 |      |             | Swell 2 |      |             | Sea + Swell |      |
|           |     |                  |              |      |             | Dir1    | Hsw1 | Period1 (s) | Dir2    | Hsw2 | Period2 (s) | Hs tot      | Hmax |
| Mon 04 02 | N   | 11               | 15           | 14   | 0.3         | E       | 0.8  | 9.8         | SSE     | 0.1  | 7.3         | 0.8         | 1.2  |
| Mon 04 05 | N   | 12               | 17           | 15   | 0.5         | E       | 0.8  | 9.7         | SSE     | 0.1  | 7.3         | 0.9         | 1.4  |
| Mon 04 08 | NNE | 12               | 17           | 15   | 0.5         | E       | 0.8  | 9.6         | SSE     | 0.1  | 7.3         | 0.9         | 1.4  |
| Mon 04 11 | NNE | 11               | 15           | 14   | 0.1         | E       | 0.9  | 9.6         | SSE     | 0.1  | 7.3         | 0.9         | 1.4  |
| Mon 04 14 | NE  | 8                | 11           | 10   | *           | E       | 0.9  | 9.6         | SSE     | 0.1  | 7.3         | 0.9         | 1.4  |
| Mon 04 17 | ENE | 8                | 11           | 10   | *           | E       | 0.9  | 9.6         | SSE     | 0.1  | 7.3         | 0.9         | 1.4  |
| Mon 04 20 | E   | 9                | 13           | 11   | *           | E       | 0.9  | 9.6         | SSE     | 0.1  | 7.2         | 0.9         | 1.4  |
| Mon 04 23 | E   | 10               | 14           | 13   | *           | E       | 0.9  | 8.5         | SSE     | 0.1  | 7.2         | 0.9         | 1.4  |
| Tue 05 02 | SE  | 10               | 14           | 13   | *           | E       | 0.9  | 8.4         | *       | *    | *           | 0.9         | 1.4  |
| Tue 05 08 | SSE | 13               | 18           | 17   | 0.4         | E       | 0.8  | 9.9         | *       | *    | *           | 0.9         | 1.4  |
| Tue 05 14 | SSE | 21               | 29           | 27   | 1.3         | *       | *    | *           | *       | *    | *           | 1.3         | 2.0  |
| Tue 05 20 | SSE | 27               | 38           | 34   | 1.8         | E       | 0.8  | 10.0        | *       | *    | *           | 2.0         | 3.0  |
| Wed 06 02 | S   | 32               | 45           | 41   | 2.8         | ESE     | 0.8  | 10.1        | *       | *    | *           | 2.9         | 4.3  |
| Wed 06 08 | SW  | 18               | 25           | 23   | 2.9         | ESE     | 0.7  | 10.2        | *       | *    | *           | 3.0         | 4.5  |
| Wed 06 14 | W   | 23               | 32           | 29   | 2.7         | ESE     | 0.7  | 10.6        | *       | *    | *           | 2.8         | 4.2  |
| Wed 06 20 | W   | 20               | 28           | 25   | 2.5         | ESE     | 0.7  | 10.7        | *       | *    | *           | 2.6         | 3.9  |
| Thu 07 02 | WNW | 19               | 27           | 24   | 1.6         | SSW     | 1.3  | 8.5         | ESE     | 0.6  | 10.8        | 2.1         | 3.2  |
| Thu 07 08 | WNW | 13               | 18           | 17   | 1.3         | SSW     | 1.0  | 8.2         | ESE     | 0.6  | 10.8        | 1.7         | 2.5  |
| Thu 07 14 | WSW | 18               | 25           | 23   | 1.2         | SSW     | 0.9  | 7.8         | ESE     | 0.5  | 10.9        | 1.6         | 2.4  |
| Thu 07 20 | W   | 18               | 25           | 23   | 1.5         | S       | 0.7  | 7.5         | ESE     | 0.5  | 11.0        | 1.7         | 2.5  |
| Fri 08 02 | W   | 14               | 20           | 18   | 1.1         | SSW     | 0.8  | 7.0         | ESE     | 0.4  | 11.1        | 1.4         | 2.1  |
| Fri 08 08 | WSW | 10               | 14           | 13   | 1.0         | ESE     | 0.4  | 11.0        | *       | *    | *           | 1.1         | 1.7  |
| Fri 08 14 | SW  | 6                | 8            | 8    | 0.8         | S       | 0.4  | 6.4         | ESE     | 0.4  | 10.9        | 1.0         | 1.5  |
| Fri 08 20 | NE  | 18               | 25           | 23   | 0.8         | S       | 0.4  | 6.5         | ESE     | 0.3  | 10.8        | 0.9         | 1.4  |
| Sat 09 02 | NNW | 14               | 20           | 18   | 0.8         | S       | 0.3  | 6.2         | ESE     | 0.3  | 10.5        | 0.9         | 1.4  |
| Sat 09 08 | W   | 16               | 22           | 20   | *           | W       | 0.6  | 4.3         | ESE     | 0.3  | 10.6        | 0.7         | 1.0  |
| Sat 09 14 | WSW | 22               | 31           | 28   | 0.4         | SSE     | 0.7  | 9.2         | E       | 0.3  | 10.8        | 0.8         | 1.2  |
| Sat 09 20 | WSW | 24               | 34           | 30   | 0.5         | SSE     | 1.0  | 8.9         | E       | 0.3  | 10.7        | 1.1         | 1.7  |
| Sun 10 02 | W   | 20               | 28           | 25   | 0.6         | SSE     | 1.1  | 8.6         | E       | 0.3  | 10.9        | 1.3         | 2.0  |
| Sun 10 08 | NNW | 8                | 11           | 10   | *           | SSE     | 1.1  | 8.5         | WSW     | 0.5  | 4.2         | 1.3         | 2.0  |
| Sun 10 14 | NW  | 19               | 27           | 24   | 0.4         | SSE     | 1.2  | 8.6         | *       | *    | *           | 1.3         | 2.0  |
| Sun 10 20 | NW  | 20               | 28           | 25   | 2.2         | SSE     | 1.3  | 8.4         | *       | *    | *           | 2.6         | 3.9  |
| Mon 11 02 | WNW | 20               | 28           | 25   | 3.6         | *       | *    | *           | *       | *    | *           | 3.6         | 5.4  |

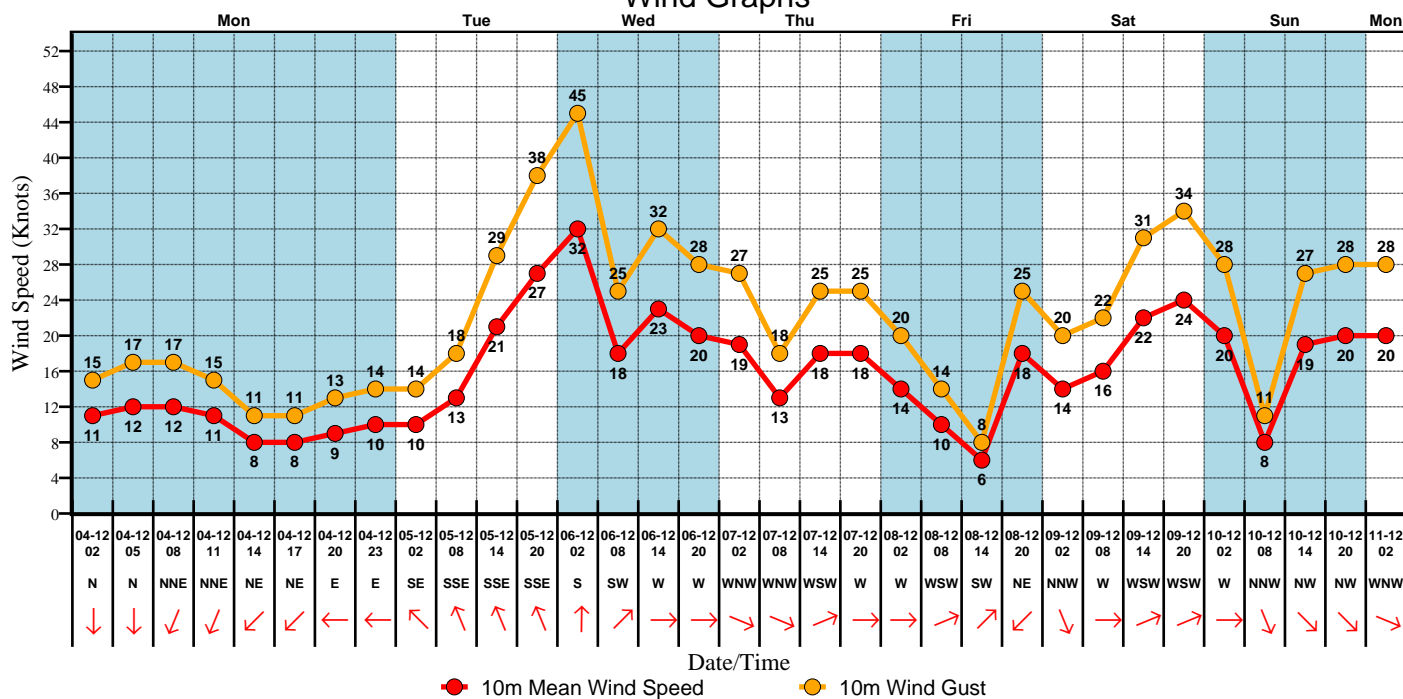
Beaufort Wind Scale

|           |        |       |   |        |         |
|-----------|--------|-------|---|--------|---------|
| Light     | 0 to 4 | Fresh | 5 | Strong | 6       |
| Near Gale | 7      | Gale  | 8 | Storm  | 9 to 12 |

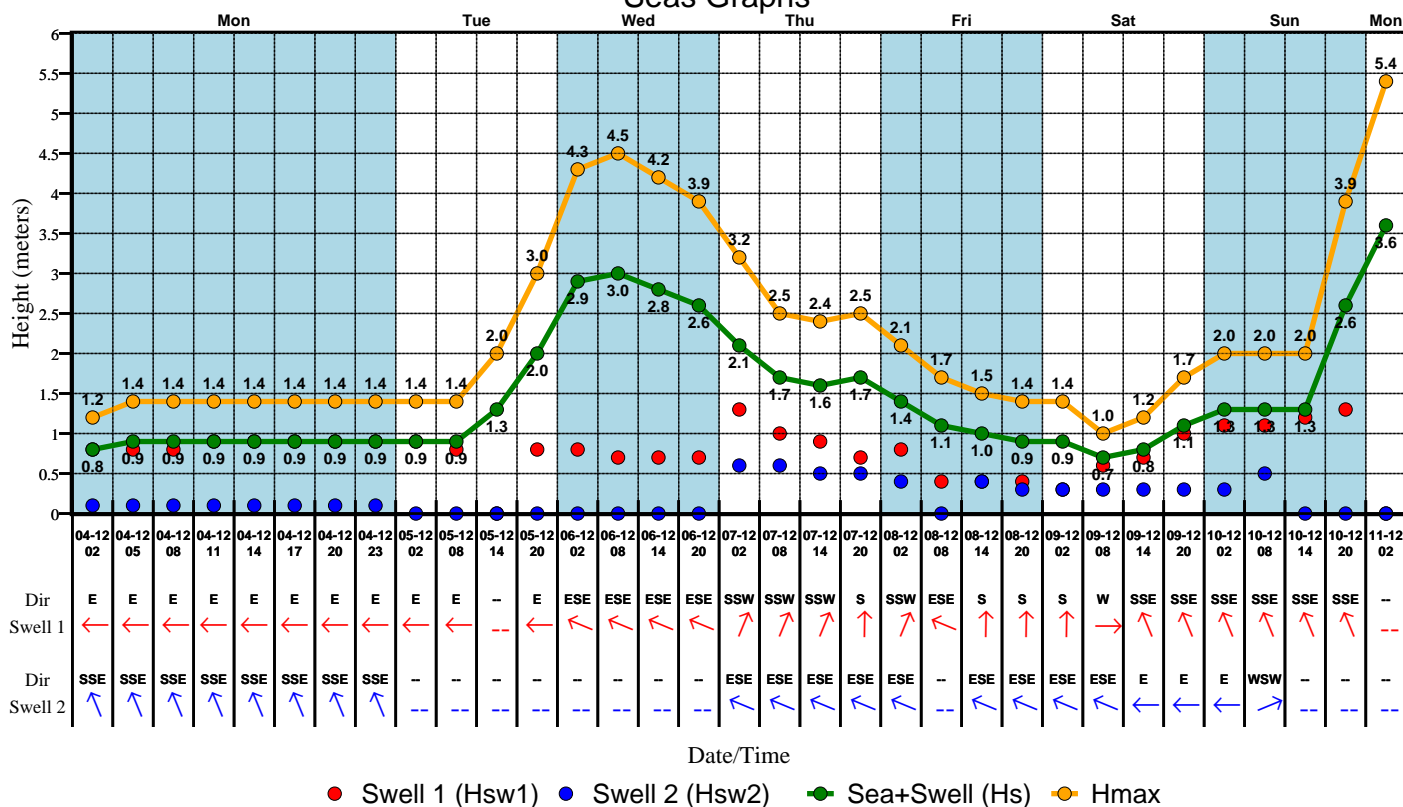
Sea State

|            |        |          |        |           |        |
|------------|--------|----------|--------|-----------|--------|
| Slight     | 0 to 3 | Moderate | 3 to 4 | Rough     | 4 to 5 |
| Very Rough | 5 to 6 | High     | 6 to 7 | Very High | 7 to 9 |

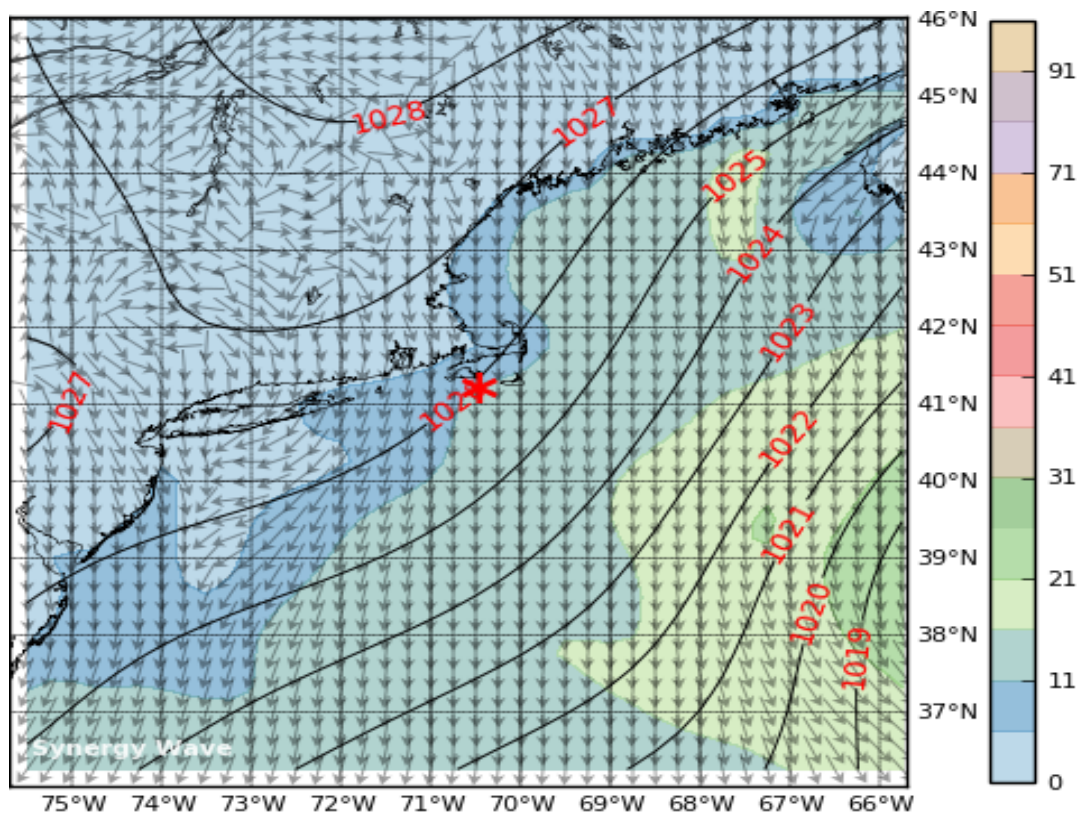
## Wind Graphs



## Seas Graphs



## MSL Pressure (mb) &amp; 10m Wind (Knots) 04/12/2017 02:00



## Significant Wave Height (meter) 04/12/2017 02:00

