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Daily Meteorological Report

CERCOM, Molloy University

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Center for Environmental Research and Coastal Oceans Monitoring

(CERCOM)

Molloy College

Daily Meteorological Report

All data is reported from CERCOM 365 days a year and submitted to NOAA/ NWS

2019

Director; **Dr. John T. Tanacredi**

Scientific Research Technical Assistant; **Mr. Kyle F. Maurelli**

Administrative Coordinator; **Ms. Regina Gorney**

Address:

132 Clyde Street

West Sayville, NY 11796

Meteorological Methodologies and Equipment:

- Davis 6152 Wireless Vantage Pro2 Weather Station
- USGS Tide Gauge
- NOAA Rain (precipitation) Gauge
- Hand held salt water thermometer
- Yard stick
- NOAA anemometer

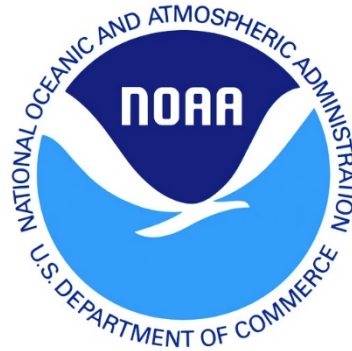
CERCOM's Research Assistant Mr. Kyle Maurelli is responsible for maintenance of co-op NWS weather station at CERCOM and submission of daily weather data to NOAA-NWS database 365 days per year.

NOAA NWS Weather

Observation Reporting Procedure:

Weather observations must be reported daily.

Please follow the following procedures:



1. **Take 36" yard stick, rain gauge stick, thermometer, pH meter and clip board w/ pen out to South Bulkhead Island near weather station.**
 - Measure average wave height
 - Measure time average of wave period (time of peak to peak divided by 4)
 - Assess cloud coverage in octas
 - Estimate visibility:
 - Brown's Creek jetty = 1.0 nm
 - Fire Island due south = 3.8 nm
 - Ocean Beach water tower = 5.2
 - Light house = 7.8 nm
 - Robert Moses causeway = 9.8 to 11 nm
 - Measure rain in metal cylinder using rain gauge stick
 - If precipitation is present measure the pH using pH probe/ meter
2. **Log into Wxcoder NOAA-NWS data submission website:**
 - <https://wxcoder.org/login/?next=/observations/>
 - Username: sixto
 - Password: CERCOM2017
 - Select "My Observations"
 - Select "Daily Entry Form"
 - Follow prompts
 - Check high and low temperature from report data page on desktop
 - Record wind speed and direction
 - Etc.
 - Review and submit completed form
3. **Go to Explorer browser**
 - Website <http://water.weather.gov/ahps2>
 - Record USGS Tide Gauge reading in Wxcoder "remarks" section
 - Also in "remarks" box add comments as desired, about other weather/ environmental conditions observed that day.
4. **Desktop Information: Kyle Maurelli kmaurelli@molloy.edu**

Molloy CERCOM

Date and time of observation

Date: 2018-11-07

Time: 11 AM 00

Type of observation: daily (24 hr values/totals)

Correction?

Station Info

Superstition MFO
New York, NY
Site ID (NWSLI): 52026
Site Number (CDOF): 55-210-04
Time of observation: 08:00
Latitude: 45.7212026
Elevation: 378

Air Temperature

Max temperature: 59 34°F

Min temperature: 51 34°F

At observation: 56 34°F

Precipitation

Precipitation: 0.17 0.00 in

Multi-day Accumulation: 1 days

Precipitation type: Select

Snowfall: 0.00 in

Snow depth: 0 in

Precipitation Time of Occurrence

Choose Observed Estimated

Date	AM	PM
12/5/2018	12 1 2 3 4 5 6 7 8 9 10 11 12 1 2 3 4 5 6 7 8 9 10 11	
12/7/2018	12 1 2 3 4 5 6 7 8 9 10 11 12 1 2 3 4 5 6 7 8 9 10 11	

clear all

River Data

Ice cover: 0 0%

Ice thickness: 0 in

Dew & Frost Data

Surface dew intensity: moderate

Surface frost: none

Monthly Data

Monthly precipitation: 0.00 in

Miscellaneous

Relative humidity: 0 0%

Weather

Present weather: 01 Clear sky (few or no clouds)

Position

Longitude: 0 0° 0' 0" W

Latitude: 0 0° 0' 0" N

Meteorological Data

At observation wind speed: 12 0 Kts

At observation wind direction: 225 000°

Pressure: 1015.0 3000.0 mb

Sky cover: 0 000%

Visibility: 11 but less than 27 nm

Present weather:

Oceanographic Data

Water temperature: 58 34°F

Period of waves: 2.45 sec

Wave height: 1.1 0.5 ft

Remarks

USGS 2.07H

Only the first 200 characters will be transmitted to NWS. More info.

Remarks are part of the weather observation.
If you need to send a non-weather related message, contact your local NWS office.

Submit →

You will need to confirm on the next page.

Confirm observation for Molloy CERCOM, NY (30-2151-04, DSCN6)

Carefully review your observation. If everything looks good, click the **Confirm** button below. Otherwise, click **Make corrections** to go back and make changes. If not confirmed below, this observation will not be saved.

Observation time	November 07, 2016 at 11:00AM
Observation type	daily (24 hr values/totals)
Max temperature	59 degrees F
Min temperature	51 degrees F
At observation	56 degrees F
Precipitation	0.17 inch
Multi-day Accumulation	No
Precipitation type	Rain
Snowfall	
Snow depth	
Precipitation Time of Occurrence (previous day)	Missing
Precipitation Time of Occurrence	Missing
Ice cover	
Ice thickness	
Surface dew intensity	moderate
Surface frost	none
Monthly precipitation	
Relative humidity	
At observation wind speed	12 knots
At observation wind direction	225 degrees
Pressure	1015.00 millibars
Water temperature	58 degrees
Sky cover	0 octas
Present weather	01
Period of waves	2.4000 seconds
Longitude	
Visibility	11 but less than 27 nm
Present weather	
Latitude	
Wave height	1.1000 feet

Remark

USGS 2.07ft

[Make corrections](#) [Confirm](#)



National Weather Service
Advanced Hydrologic Prediction Service

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Important Note: Book-marking page saves current search criteria

Jump to Location

Atlantic Coast At West Sayville (SAYN6)

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Flood Stage: 3 Feet Latest Stage: 2.07

Current Warnings/Statements/Advisories: None currently.

Vertical Datum references a tidal datum (MLLW). For more information click on USGS link below.

Complete information about the Atlantic Coast at West Sayville available from NWS Upton, NY [XML](#) [RSS](#)

