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2023

Daily Meteorological Report

CERCOM, Molloy University

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**Center for Environmental Research and Coastal Oceans
Monitoring**

(CERCOM)

Molloy University

Daily Meteorological Report

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

2023

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

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

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**

Figure 2. Template for precipitation pH values when present:

[illegible]

Molloy CERCOM

Date and time of observation

Date: 2019-11-07

Time: 11:48:00

Type of observation: Daily (24 hr values below)

Comment: 0

Station info

Superstition MFO
New York, NY
Site ID (WWSN)
COCN
Site Number (COCN)
30-211404
Time of observation
04:00
Lat/Lon
40.712535, 73.061827
Elevation
376

Air Temperature

Max temperature: 59 °F

Air temperature: 55 °F

Air observation: NA °F

Precipitation

Precipitation: 0.12 x 0.01

Multi-day Accumulation: 1 0.01

Precipitation type: Direct

Snowfall: 0 x 0.01

Snow depth: 0 0.01

Precipitation Time of Occurrence

Choose: ☐ Observed ☐ Estimated

Date	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11
11/07/2018																							
11/08/2018																							

04:00

River Data

Ice cover: 0 %

Ice thickness: 0 in

Deer & Feral Data

Surface deer intensity: moderate

Surface feral: none

Monthly Data

Monthly precipitation: 0.00 in

Miscellaneous

Relative humidity: 0 %

Weather

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

Position

Longitude: 073.0 °

Latitude: 40.714 °

Meteorological Data

Air observation wind speed: 12 x 0.01

Air observation wind direction: 225 90.0 °

Pressure: 1015.0 30.0 in Hg

Sky cover: 0 0.00

Visibility: 1.0 but less than 2.0 km

Present weather:

Oceanographic Data

Water temperature: 58 10 °F

Period of waves: 2.05 s

Wave height: 1.3 0.5

Remarks

USC 2.024

Copy the first 200 characters of the Remarks as HTML. Max 200.

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

Submit

You will be redirected to the next page.

WxCoder | Confirm observation

in 12 ft - Google Search | used virginie sand guard - Google Search | login to kites - Google Search

https://wxcoder.org/observations/confirm/

WxCoder | Home | My Observations | Confirm observation | Site Status | Site Map | Contact NWS | Help | Sign Out

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

WxCoder

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, 2018 at 11:00AM

Observation type

daily (24 hr values/10195)

Max temperature

50 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

1015.90 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: 2.0/m

Make corrections

Confirm



