## **Boston Harbor & Islands Science Symposium**



### **Blue Hill Observatory Background**

- Location: Summit of Great Blue Hill in Milton, Massachusetts (10 miles SSW of Boston, 7 miles SW of Boston Harbor)
- Founder: Abbott Lawrence Rotch on February 1, 1885
- Elevation: 635 feet (194 meters) above mean sea-level.
- **Climate:** Longest continuous weather records in North America (1885 to present). Observer on duty every day of the year.
- **Designation:** National Historic Landmark (1989)
- Webpage: www.bluehill.org



### Weather Observations

• Quality: Traditional observing methods and instruments are used to ensure long-term **consistency** 

• Parameters: Temperature Dew Point Precipitation Snowfall Snow Depth Wind Speed / Direction Peak Wind Gust Station Pressure Sunshine Duration Cloud Cover Cloud Types Visibility, etc.







**Ombroscope**: Time of Precipitation



# THE COASTAL INFLUENCE ON LOCAL CLIMATE CHANGES AT THE **BLUE HILL METEOROLOGICAL OBSERVATORY**

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# **Climate Changes at BHO Since 19th Century**



# **Coastal Influence on BHO Climate Changes**

### Northeastern University, 11-12 April, 2017

