

Weather Hindcast - Severe Storm Event at Bard on 6/30/24

July 1, 2024

At around 11:40 am Bard was hit with a damaging storm.



(a) Tree down in a trail at Bard



(b) Annandale Road in the afternoon.



(c) Tree down at Taste-budd's Cafe, Red Hook

The storm lasted only 25 minutes, and poured 0.72 inches of rain on the ground, this equates to about half a gallon of water per square foot. Maximum wind gusts reached 38.3 miles per hour. Within 15 minutes the temperature dropped from 86 to 66 degrees Fahrenheit. Below are the weather data collected from the top of Bard's Stevenson Library by the Center for Environmental Studies and Humanities.

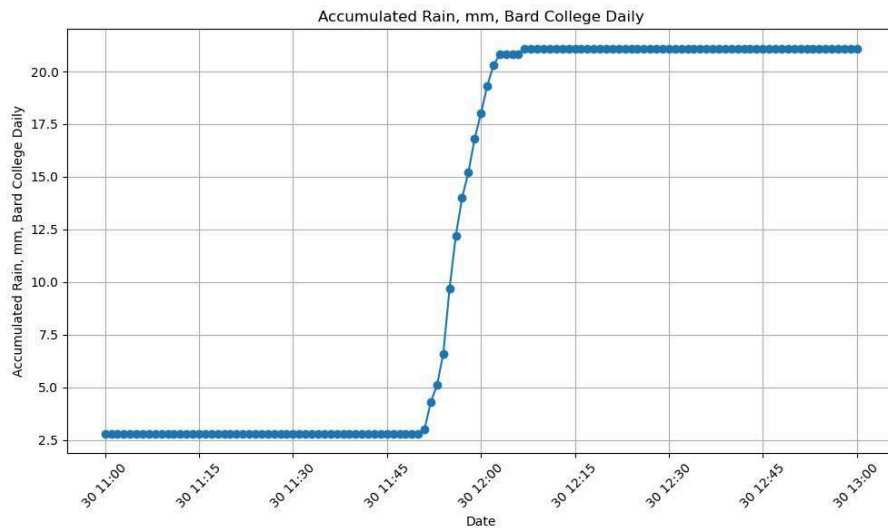


Figure 2: Accumulation of rainfall during downpour.



Figure 3: Maximum wind speed reached 17.1 meters per second.

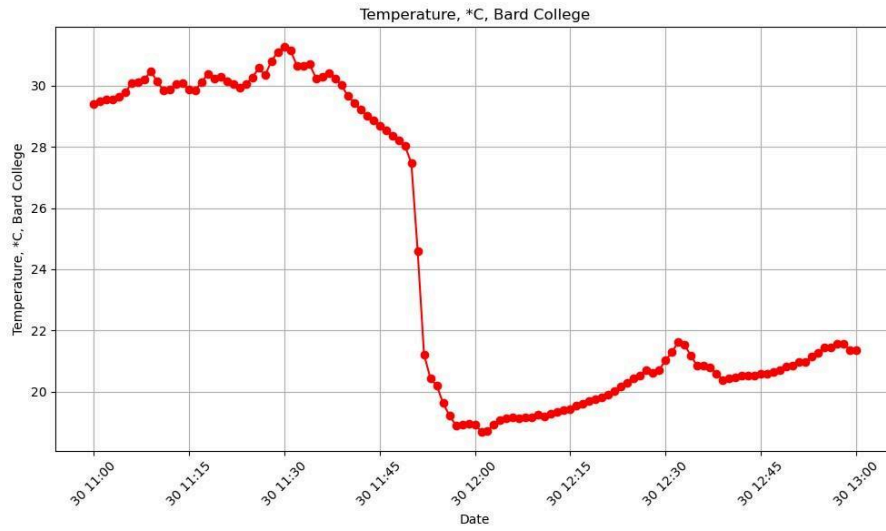


Figure 4: Temperature drop during the storm.