

T S JOSEPHINE AND NORTH-EASTER DROP HEAVY RAIN

This month saw two major heavy rain events. The first one was the remnants of Tropical Storm Josephine. Heavy rain on the 8th/9th dropped 2 to 3 inches of rain east and south of Washington. Other areas received from 1 to 2 inches with the lighter amounts falling in the western portion of Maryland. The three observers in St. Marys County received the heaviest amounts. Marlene Walchli of California, MD 3.89", John Zyla of Ridge 3.68" and Floyd Abell of Hollywood 3.51". Kenny Boggs of Whalesville, MD on the Delmarva Peninsula recorded 3.07".

The other major heavy rain event was associated with a cold front passage and the development of a powerful slow moving northeaster in conjunction with a upper level cutoff low. This storm moved slowly northeastward and dropped upwards of 18" of rain in Maine. Here in Maryland and Delaware generally 2 to 3 1/2 inches of rain fell. The heaviest amount to fall on the 18th/19th was 4.07" observed by Greg Keefer of Hagerstown 1E. The following observers recorded over 3 inches were:

- 3.87" Jim Vaughn of Smithsburg
- 3.55" Rob Cohen of Potomac 1N
- 3.27" Gary Gallaher of Bear 6WSW DE
- 3.23" Kevin Shaw of Gaithersburg 2WNW
- 3.21" Raoul Windolph of Dawsonville
- 3.06" Marlene Walchli of California

Temperatures this month again averaged below normal. The month started out cold with the first frost of the season coming in many areas on the 4th. This early season cool spell lasted to the 12th. Kevin Shaw of Gaithersburg recorded his earliest freezing temperature of the fall season on the 4th. The coldest temperatures of the month was recorded on the 12th at many locations.

Indian Summer made a brief made an appearance during the mid month and returned at the end of the month. Temperatures rose to the upper 70's and lower 80's across the area east of the mountains.

During the passage of the remnants of Tropical Storm Josephine winds gusted into the 30's at most locations and the 40's at a few others. The

highest wind gust observed was a station record 77 MPH at Ridge MD. Another strong wind event occurred in conjunction with the northeaster on the 18th. Peak wind gusts reported were in the 30's.

MONTHLY EXTREMES

MAX. TEMPERATURE

84 JUG BAY WETLANDS

MIN. TEMPERATURE

26 EAGLE ROCK

27 SMITHSBURG

MAX AVERAGE TEMP

60.5 BALTIMORE 2 SE

60.3 RIDGE

MIN AVERAGE TEMP

51.3 EAGLE ROCK

53.5 PARKTON 5 SW

Don't forget our annual gathering at the home of Herb Close in Manchester on December 14th. Call Herb if you have any questions. Hope to see you all there.

FOR INFORMATION ABOUT OUR ORGANIZATION:

**KEVIN SHAW, MD / DE COORDINATOR
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ACON MARYLAND / DELAWARE CHAPTER



Observer Monthly Highlights

Marty Brumback of Odenton

Somewhat unusual to not get a freeze during October. Coldest temperature was 34.

Dan Hanson of Baltimore 4 SW

This October was rather typical as far as Octobers to. No big storms affected this immediate area. T.S. Josephine passed well to the east on the 8th and buffeted the Atlantic coast of MD and DE with winds gusts approaching 60 MPH. I measured sustained winds of 38 MPH with gusts to 57 at Indian River, DE that evening with my hand-held anemometer.

Al Kreinik of PARKTON 5 SW

18th - Moderate-heavy rain 3:15PM thru midnight due to a sharp cold front. Temperature dropped 10 degrees in 15 minutes @ 7:45 PM.

Marty Brumback of Owings Mills

20th - Brilliant Rainbow 1730 hours.

Herb Close of Manchester 1 SW

4th - First frost on car. None on grass.
12th - First killing frost
18th - Strong cold front, heavy rains, gusty winds.

Bobby Miller of Millers 4 NE

Early freeze 1st half of October. Milder the 2nd half.

Kevin Shaw of Gaithersburg 2 WNW

4th - Earliest freeze on record at this station. The previous first freeze was observed on October 7, 1988.

Gary Gallaher of Bear 6 WSW DE

Early season frost and near freezing temperature on the 4th, 5th, 6th, and 7th. Killing frost occurred on the 12th.

8th - Heavy daytime rain from the passage of the remnants of tropical storm Josephine.

19th-20th - Heavy rainfall from a cold front passage and development of a northeaster. 3.18" of steady heavy rain fell between 11PM of the 19th to 7AM of the 20th. The temperature fell 10 degrees in a matter of minutes shortly after midnight on the 20th.

Floyd Abell of Hollywood

5th - First frost of the season.
8th - Heavy rains and gusty winds from Josephine.

18th - Heavy evening rain and thunder.

Marlene Walchli of California 3 NW

31st - Crystal clear, azure blue (spotless), unlimited visibility.

John Zyla of Ridge

8th Tropical Storm Josephine brought the highest wind gusts ever recorded at this station of 77 MPH.

Greg Keefer of Hagerstown 1 E

4th - First light frost and freeze

conditions.

12th - Heavy frost, Killing Freeze
18th - Rain 5PM - Midnight moderate to heavy at times also some thunderstorms 6-7PM. Temps fell into the 40's this evening from a high of 74. 2.36" of rain fell.

19th. Another 1.51" of rain between midnight and 1PM.

30th - Windy, very warm sunny day with a record high of 81. Old record was 79 in 1945.

Yearly precipitation now 34.70" above normal.

Kenny Boggs of Whaleysville

50 MPH wind gusts and 2.55" of rain with the passage of Josephine. At Ocean City, 14 miles to the east, winds gusted to 75MPH caused some minor damage.

MONTHLY EXTREMES

MAX PRECIPITATION:

7.00" CALIFORNIA
6.78" SMITHSBURG

MIN. PRECIPITATION

3.83" BALTIMORE 4 SW
3.89" EAGLE ROCK

MAX SNOWFALL

**DATA DUE BY THE 15th OF THE
FOLLOWING MONTH.**