

NWS Form E-5
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(PRES. BY NWS Instruction 10-924)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

HYDROLOGIC SERVICE AREA (HSA)
San Juan, Puerto Rico

MONTHLY REPORT OF HYDROLOGIC CONDITIONS

REPORT FOR:
MONTH YEAR
April 2014

TO: Hydrologic Information Center, W/OS31
NOAA's National Weather Service
1325 East West Highway
Silver Spring, MD 20910-3283

SIGNATURE
Althea Austin-Smith,
Service Hydrologist
DATE
05/14/2014

When no flooding occurs, include miscellaneous river conditions below the small box, such as significant rises, record low stages, ice conditions, snow cover, droughts, and hydrologic products issued (NWS Instruction 10-924).

An X inside this box indicates that no flooding occurred within this hydrologic service area.

Summary: The San Juan Airport ASOS in Puerto Rico reported 3.15 inches of rain for the month of April; 1.53 inches less than the normal of 4.68 inches. The ASOS rainfall report from Cyril E. King Airport in St. Thomas was 2.17 inches for the month of April; 0.57 inches less than the normal of 2.74 inches. The ASOS rainfall report from Henry E. Rohlsen Airport in St. Croix was 3.71 inches for the month of April; 1.58 inches greater than the normal of 2.13 inches.

"A generally fair weather pattern prevailed across the local islands during most of the month with afternoon showers across portions of the Cordillera Central, west and southwest Puerto Rico each day. However, the limited low level moisture helped to suppress significant shower activity across the forecast area. Statistically, the average maximum temperature at the Luis Muñoz Marin International Airport (TJSJ) in San Juan Puerto Rico was approximately 2.4°F warmer than the 30-year average from the National Climate Data Center (NCDC)."

(Excerpt - Please see (<http://www.srh.noaa.gov/sju/?n=apr2014cr>) for April's complete Climate Report.)

No flooding occurred at any gaged locations during the month of April, 2014. There were some reports of localized Urban and Small Stream flooding from time to time due to afternoon convection across the western and southwestern sections of Puerto Rico. St. Croix did receive above normal rainfall for April, which kept that islands' year-to-date rainfall a tad above normal. Overall, the entire area remained relatively dry except for St. Croix.

As the seasonal dryness continued for most of the region, portions of Puerto Rico were again included in the [abnormally dry category](#) (*updated weekly - see corresponding table for April's numbers*) by the U.S. Drought Monitor, due to short and long term rainfall deficits in these area.

Climatologically, the year to date (Jan-Apr) rainfall continues to show below normal values with noticeable impacts to communities with the most extreme deficits which are along the Northern Coastal/Slopes of Puerto Rico. May is usually a "wetter" month so potentially some improvements are likely unless El Nino arrives earlier than forecast.

Approximate number of Hydrologic Products (flood related) issued during the month of April.

Non-Routine Hydrologic Products Issued:	Approximate number of Products for the month
Hydrologic Outlooks (SJUESFSJU)	0
Flood Watches (SJUFFASJU)	0
Flood Warnings (SJUFLWSJU)	0
Flash Flood Warnings (SJUFFWSJU)	0
Flash Flood Statements (SJUFFSSJU)	0
Urban/Small Stream Flood Advisories (SJUFLSSJU)	30

Here is the [April 2014 rainfall totals graphic](#). (May be delayed)

For monthly “radar totals” use the archive of the Advanced Hydrologic Prediction Service (AHPS) - click on the Precipitation interface for San Juan, Puerto Rico and request the duration you would like to view...daily or monthly remembering that the 24 hour totals are from 12z – 12z (8am to 8am in PR) - AHPS archive of radar totals/ images.

<http://water.weather.gov/ahps2/precip.php?wfo=sju>