

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
December 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
01/15/2015

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 5.51 inches of rain for the month of December; 0.49 inches greater than the normal of 5.02 inches. The ASOS rainfall report from Cyril E. King Airport in St. Thomas was 2.67 inches for the month of December; 0.29 inches less than the normal of 2.96 inches. The ASOS rainfall report from Henry E. Rohlsen Airport in St. Croix was 5.63 inches for the month of December; 2.66 inches greater than the normal of 2.97 inches.

"The first two week of December 2014, persistent periods of passing showers embedded in the trades dominated the local weather regime with shower activity focused across the windward side of local islands and rainfall accumulations between 3 to 5 inches. As December moved into its third week, a typical weather pattern returned to the area with brief showers from time to time." (Excerpt - Please see (<http://www.srh.noaa.gov/sju/?n=dec2014cr>) for December's complete Climate Report.)

As with the rainfall distribution for the month of December, flooding was limited to early in the month before quieting down significantly towards the end of the month as is usual at this time of year. The most dramatic flooding occurred in the Fajardo area on the 16th of December as a result of the runoff from over 6 inches of rainfall over the duration of a few hours.

On December 16th, flooding was also experienced along the extreme northeastern coast of Puerto Rico, from Toa Alta to Luquillo including the San Juan Metro area, where reported rainfall was in the 2 to 5 inch range. The Forest Service reported that the road to the El Yunque rainforest was flooded and impassable during this event.

The [U.S. Drought Monitor](#) for Puerto Rico...status quo over the past month. *(Please note that this is updated weekly so be very careful when you look at/use this data)*

Here is the [December Flood Crest Report](#) (E3).

Local Storm Reports for December 2014

..TIME...	...EVENT...	...CITY LOCATION...	...LAT.LON...
..DATE...MAG....	..COUNTY LOCATION..ST..	...SOURCE....
	..REMARKS..		
0150 PM 12/16/2014	FLASH FLOOD	FAJARDO FAJARDO	18.33N 65.66W PR EMERGENCY MNGR
	47 STUDENTS WERE REMOVED AT SCHOOL IN ROAD PR-194. CILITO RIVER WENT OUT OF ITS BANKS.		
0744 AM 12/16/2014	FLOOD	CAROLINA CAROLINA	18.41N 65.98W PR PUBLIC
	CALDERON AVENUE WITH THE INTERSECTION WITH MONSERRATE AVENUE WAS REPORTED FLOODED.		
0746 AM 12/16/2014	FLOOD	CAROLINA CAROLINA	18.41N 65.98W PR PUBLIC
	BALDORITY AVENUE WAS REPORTED FLOODED AT MINILLAS BRIDGE.		
0746 AM 12/16/2014	FLOOD	SAN JUAN SAN JUAN	18.41N 66.06W PR PUBLIC
	WILSON STREET WAS REPORTED FLOODED IN CONDADO AREA.		
0749 AM 12/16/2014	FLOOD	SAN JUAN SAN JUAN	18.41N 66.06W PR EMERGENCY MNGR
	MCLEARY ROAD IN OLD SAN JUAN WAS REPORTED FLOODED.		
0749 AM 12/16/2014	FLOOD	CAROLINA CAROLINA	18.41N 65.98W PR PUBLIC
	AVE MONSERRATE IN FRONT OF SABANA ABAJO HOUSING WAS REPORTED FLOODED.		
0930 AM 12/16/2014	FLOOD	SAN JUAN SAN JUAN	18.41N 66.06W PR EMERGENCY MNGR
	URDIALES, BLANES FINAL, VERGEL AND ALMABRO STREET WERE REPORTED FLOODED AT SAN JOSE SECTOR.		
0930 AM 12/16/2014	FLOOD	SAN JUAN SAN JUAN	18.41N 66.06W PR EMERGENCY MNGR
	DE DIEGO AVENUE AT INTERSECTION WITH HIGHWAY PR-22 WAS REPORTED FLOODED.		

0930 AM 12/16/2014	FLOOD	SAN JUAN SAN JUAN	18.41N 66.06W PR EMERGENCY MNGR
REXACH AND WILLIAM STREETS AT BARRIO OBRERO SECTOR WERE REPORTED FLOODED AND IMPASSABLE.			
0930 AM 12/16/2014	FLOOD	LUQUILLO LUQUILLO	18.38N 65.72W PR PARK/FOREST
SRVC	ROAD PR-191 THROUGH EL YUNQUE RAINFOREST WAS REPORTED FLOODED AND IMPASSABLE.		
0930 AM 12/16/2014	FLOOD	TOA ALTA TOA ALTA	18.39N 66.25W PR CO-OP OBSERVER
A MUDSLIDE WAS REPORTED AT SAN JOSE SECTOR.			

The approximate amounts of Hydrologic Products issued during the month of December are as follows:

Non-Routine Hydrologic Products Issued:	Approximate number of Products for the month
Hydrologic Outlooks (SJUESFSJU)	0
Flood Watches (SJUFFASJU)	0
Flood Warnings (SJUFLWSJU)	1
Flash Flood Warnings (SJUFFWSJU)	0
Flash Flood Statements (SJUFFSSJU)	0
Urban/Small Stream Flood Advisories (SJUFLSSJU)	35

Here is the [December 2014 rainfall totals graphic](#).

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/precip/?loctype=WFO&loc=wfoSJU>)