

NWS Form E-5 (04-2006) (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
TO: Hydrologic Information Center, W/OS31 NOAA's National Weather Service 1325 East West Highway Silver Spring, MD 20910-3283		REPORT FOR: MONTH YEAR February 2015
		SIGNATURE Althea Austin-Smith, Service Hydrologist
		DATE 03/16/2015

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 3.27 inches of rain for the month of February; 0.88 inches greater than the normal of 2.39 inches. The ASOS rainfall report from Cyril E. King Airport in St. Thomas was a recording breaking 13.35 inches for the month of February; 11.92 inches greater than the normal of 1.43 inches. The ASOS rainfall report from Henry E. Rohlsen Airport in St. Croix was 1.74 inches for the month of February; 0.09 inches greater than the normal of 1.65 inches.

"A generally fair and mainly stable weather pattern prevailed across the local islands throughout most of the period. However, trade wind showers were observed from time to time across the forecast area. These showers were enhanced sporadically by favorable upper level dynamics. Nevertheless, significant rainfall accumulations in a short period of time were not detected across Puerto Rico or Saint Croix. During the late evening hours of Feb 13th as well as in the early morning hours of the 14th, an impressive rainfall amount of 11.04 inches was observed at Cyril E. King AP. This isolated event was associated with an induced surface trough that moved across the area." (Excerpt from (http://www.srh.noaa.gov/images/sju/climo/monthly_reports/2015/Feb2015.pdf) February's complete Climate Report.)

Although no flooding was noted at any USGS gaged sites during the month of February, Valentine's weekend proved to be hydrologically significant for the residents of St. Thomas due to the impacts from the tremendous amounts of rainfall that occurred late on February 13th into the early morning of February 14th. The storm reports of damage from flash flooding in Saint Thomas are in the table below. No injuries or fatalities were reported.

Local Storm Reports for February 2015					
..TIME...	...EVENT...	...CITY LOCATION...	...LAT.LON...	..DATE...	...SOURCE...
..DATE...MAG....	..COUNTY LOCATION..	..ST..	..REMARKS..	
0700 AM	HEAVY RAIN	6 SE CHARLOTTE AMALIE	18.28N 64.87W	02/14/2015	E11.00 INCH
		AMZ725	VI		EMERGENCY MNGR
VITEMA OPERATOR INFORMED 1 UNIT OF HOME APARTMENT FLOODED					

AT CLEARVIEW

0700 AM HEAVY RAIN CHARLOTTE AMALIE 18.34N 64.93W
02/14/2015 E11.00 INCH SAINT THOMAS VI EMERGENCY MNGR

VITEMA OPERATOR REPORTED WIDESPREAD LOW LYING AREAS FLOODED ACROSS ST THOMAS ISLAND.

0700 AM HEAVY RAIN 1 NE CHARLOTTE AMALIE 18.35N 64.92W
02/14/2015 E11.00 INCH SAINT THOMAS VI EMERGENCY MNGR

ELECTRICAL POLE FELL DOWN AND MUDSLIDE WERE REPORTED AT CROWN AREA.

0700 AM HEAVY RAIN 1 W CHARLOTTE AMALIE 18.34N 64.95W
02/14/2015 E11.00 INCH SAINT THOMAS VI EMERGENCY MNGR

STUCK VEHICLE IN A FLOODED ROAD AT ALCONA.

0700 AM HEAVY RAIN CHARLOTTE AMALIE 18.34N 64.93W
02/14/2015 E11.00 INCH SAINT THOMAS VI EMERGENCY MNGR

VITEMA DIRECTOR CALLED TO INFORMED ABOUT SIGNIFICANT FLOODING SITUATION AT ST THOMAS. HE REPORTED THAT THEY HAD WIDESPREAD FLOODING AND SEVERAL PROPERTIES WERE FLOODED.

0726 AM FLASH FLOOD CHARLOTTE AMALIE 18.34N 64.93W
02/14/2015 SAINT THOMAS VI OTHER FEDERAL

FAA TOWER PERSONNEL REPORTED TAXI WAYS AT AIRPORT ARE FLOODED. OVER 10.94 INCHES HAVE FALLEN IN LAST 13 HOURS.

Here is the [February 2015 rainfall totals graphic](#).

The [U.S. Drought Monitor](#) for Puerto Rico...an increase to the total D0 area. *(Please note that this is updated weekly so be very careful when you look at/use this data)*

The approximate amounts of Hydrologic Products issued during the month of February 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)	0
Flash Flood Warnings (SJUFFWSJU)	3
Flash Flood Statements (SJUFFSSJU)	2
Urban/Small Stream Flood Advisories (SJUFLSSJU)	18

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>