

MONTHLY REPORT OF HYDROLOGIC CONDITIONS

REPORT FOR:
MONTH YEAR
August 2006

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
9/21/2006

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 ASOS reported 4.26 inches for the month of August ... 0.96 inches less than the normal of 5.22 inches. At the Truman Field in St. Thomas, the reported amount was 6.49 inches ... 2.99 inches above the normal of 3.50 inches. The ASOS site reports are not usually indicative of the rainfall that occurs throughout a region ... some locations across the islands have one day rainfall totals that were higher than these monthly ASOS reports.

Here are a few of the higher (greater than 2.5 inches) one day totals for during the month of August ...

Wed Aug 16 2006 (ending 12z on 8/16)	Fri Aug 18 2006 (ending 12z on 8/18)
RPOP4 6.68 :PIEDRAS@ HATO REY (PR)	RPAP4 7.02 :LAS CURIAS RG-CUPEY (PR)
NGIP4 3.36 :R ICACOS NR NAGUABO (PR)	RPCP4 4.64 :LAGO LAS CURIAS, PR (PR)
NGHP4 3.16 :QUEB GUABA/NAGUABO (PR)	P RTP4 3.38 :PONCE 7N/R PORT TIBS (PR)
IGRP4 2.89 :ISLA GRANDE/SAN JUAN (PR)	SEBP4 3.23 :SAN SEBASTIAN (PR)
	ANBP4 3.07 :LAS MARIAS 2NW (PR)
	MAOP4 2.71 :MARICAO (PR)
	ARDP4 2.64 :R TANAMA@CHARCO HOND (PR)

As is the case at this time of year ... the focus is to the East ... the origin of Tropical Waves and Storms that tend to move moisture across the region increasing the potential for localized heavy rainfall which then leads to Urban and Small Stream Flooding with some localized Flash and River Flooding. This August began with the spotlight on Tropical Storm Chris ... after much anticipation, this Storm moved on to the north with minimal hydrologic impact to the Forecast Area. Of more significance was the passage of a couple of Tropical Waves in mid-August which resulted in widespread rain with bands of very heavy localized rainfall ... as seen in the tables above. This rainfall was enough to have some impact to the rivers and streams across the island of Puerto Rico. All of the hydrologic events ... as it pertains to the gaged rivers were in the minor to moderate category for the month of August.

The most significant event for the month of August affected much of the island of Puerto Rico in mid-August when numerous Flash Flood Advisories, Warnings and Statements were issued. There were reports of moderate to severe urban flooding in the San Juan Metropolitan Area where up to 7 inches of rainfall was reported in Hato Rey ... the corresponding rises on the Puerto Nuevo and Rio Piedras rivers were in the minor to moderate category.

Non-Routine Hydrologic Products Issued:	Approximate number of Products for the month
Hydrologic Outlooks (SJUESFSJU)	0
Flood Watches (SJUFFASJU)	4
Flood Warnings (SJUFLWSJU)	2
Flash Flood Warnings (SJUFFWSJU)	7
Flash Flood Statements (SJUFFSSJU)	7
Urban/Small Stream Flood Advisories (SJUFLSSJU)	128