



World Meteorological Organization
RA IV HURRICANE COMMITTEE
FORTY-FIRST SESSION

Curaçao, Dutch Caribbean,
18 to 22 March 2019

RA IV/HC-41/Doc.3.2(13)

Submitted by:
RA IV HC Members
20.II.2019

Original: English

AGENDA ITEM NO.3: REVIEW OF THE 2018 CYCLONE SEASON

AGENDA ITEM NO.3.2: COUNTRY REPORT

AGENDA ITEM NO.3.2(13): DOMINICA

Impacts related of tropical cyclones or other severe weather events and coordination with emergency managers and other stakeholders

During the 2018 Atlantic Hurricane Season, three systems that were initially projected to impact Dominica as a hurricane weakened significantly before moving across the Lesser Antilles or took a marked southerly turn just east of Dominica. The island was placed under tropical cyclone watches and warnings during the passage of Tropical Storms Beryl, Isaac and Kirk. None of these systems produced any sustained tropical cyclone conditions across the island. However, given that the island was placed under Tropical Cyclone Watches/Warnings, the national emergency coordination mechanism was activated. The Meteorological Service carried out its function as part of the Early Warning mechanism by providing current information on the movement and status of these systems and likely impact to the general public, critical stakeholders and the national emergency management team.

A table is provided outlining extreme values and rainfall data for Tropical Storm Isaac that moved just south of Dominica on September 13, 2018.

A hurricane watch was issued for Dominica on September 11th at 11am as Isaac approached the Lesser Antilles. Isaac showed signs of weakening and the hurricane watch was downgraded to a tropical storm warning at 11pm that evening. On the morning of September 13 at 8:00am, Isaac was located near 15.2N 60.9W or about 25 miles / 40 kilometres east of Dominica. The system however took on a southward drift as the day progressed and later moved south of Dominica without any major impact.

POST-HURRICANE COUNTRY REPORT

Country: DOMINICA

Tropical Cyclone: Tropical Storm Isaac

Date of data: September 13, 2018

Ref.: 05081/2019_1.1 WDS/TCP
Approved by Xu Tang, Thu Feb 21 14:23:10 UTC 2019

Station		Douglas Charles Airport 78905	Canefield Airport 78906
Maximum Sustained Wind	Direction	E	NNE
	Velocity (km/h)10 min/1 min	24	15
	Date	13-Sep-18	13-Sep-18
	Time UTC	12:50:00	11:50:00
Maximum Wind Gust	Direction	E	NNE
	Velocity (km/h)	52	39
	Date	13-Sep-17	13-Sep-18
	Time UTC	12:50:00	11:50:00
Calm	Time UTC	-	-
Total Rainfall (mm)	(13/1200 Z - 14/1800Z)	115.1	70.4
Minimum Sea Level Pressure	Pressure (hPa)	1006.2	1006.1
	Date	13-Sep-18	13-Sep-18
	Time UTC	10:20:00	13:30:00

Additional rainfall data

Station		Pond Casse	Rosalie	Salisbury	DLeau Gommier
Total Rainfall (mm)	(13/0000Z - 13/2300Z)	114.7	30	87.0	71.5