



Hurricane season 2018

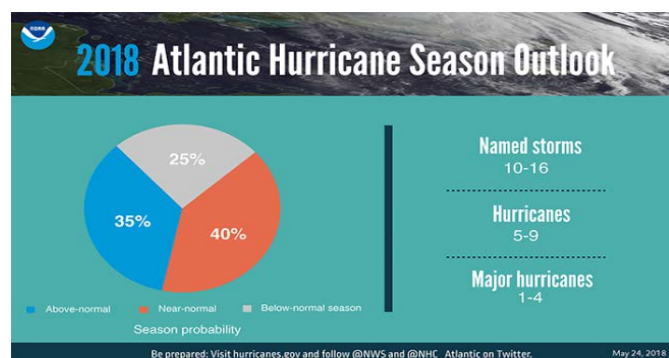
Caribbean Netherlands

The official hurricane season for the North Atlantic Ocean & Caribbean Sea starts on the 1st of June and ends by the 30th of November. In general the highest storm activity is registered during the months of August, September and October. For 2018 the following names are given to the storms:

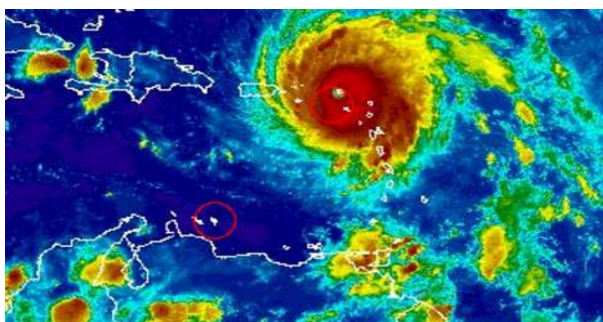
Alberto	Helene	Oscar
Beryl	Isaac	Patty
Chris	Joyce	Rafael
Debby	Kirk	Sara
Ernesto	Leslie	Tony
Florence	Michael	Valerie
Gordon	Nadine	William

NOAA's 2018 Atlantic Hurricane Season Outlook indicates that an above-normal to near-normal hurricane season is most likely. This means that for the North Atlantic area during this season 10-16 named storms are expected of which 5-9 will become hurricanes. Of these 1-4 will become a major hurricane. Please see as well:

<http://www.cpc.ncep.noaa.gov/products/outlooks/hurricane.shtml>



Hurricane season probability and numbers of named storms. (NOAA)



position of hurricane Irma according to the BES-islands, September the 6th 2017.

Color Coded Warning System

The KNMI warning system consists of six (6) color coded warning phases indicating the severity of the conditions and time left before a (potential) storm reaches the community.

Phase	Definition:
	No threat
Information --- <i>Be Alert!</i> ---	A Storm or Tropical Cyclone might threaten the community within 48 tot 72 hours
Watch --- <i>Prepare Yourself!</i> ---	Storm or Tropical Cyclone conditions might threaten the community within 48 hours
Advisory --- <i>Carefull!</i> ---	Heavy rainfall and or rough sea conditions are expected. No Tropical Storm or hurricane is expected
Warning --- <i>Protect Yourself!</i> ---	Storm or Tropical Cyclone conditions expected within the next 36 hours
Strike --- <i>Seek Cover!</i> ---	Storm or Tropical Cyclone conditions expected within 6 to 9 hours

During the Information phase (Yellow Phase) KNMI will provide 2 times per day a *Tropical Cyclone Bulletin (TCB)*. During the phases from "Watch" to "Strike" (Orange to Purple) this number increases to 4 times per day to provide the latest available information. These phases and the TCB will be initiated by KNMI in coordination with the National Hurricane Center (NHC). A *TCB* describes the warning, expected Wind, Rainfall and Maritime conditions. The TCB will be in the English language. See the example on the next pages.

Important information websites

KNMI expectations and warnings: www.knmidc.org
 NOAA National Hurricane Center: www.nhc.noaa.gov

Example Tropical Cyclone Bulletin

Weather Saba & Sint Eustatius
 Tropical Cyclone Bulletin

TROPICAL CYCLONE BULLETIN NO. 5
 WARNING MESSAGE NO. 1

Date: Monday September 04, 2017 **Time:** 10:36 local time

Watches/warnings: A Hurricane warning is in effect for Saba and St Eustatius. At 1100 AM AST (1500 UTC), the center of Hurricane Irma was located near latitude 16.8 North, longitude 53.3 West. Irma is moving toward the west-southwest at 12 kt (22 km/h). On Tuesday the track of Irma will turn in a west-northwest direction. On the forecast track, the center of Irma is expected to approach the northern Leeward Islands late Tuesday and move west north of Saba and St Eustatius on Wednesday. Still a direct hit, where Irma will move directly over the Islands, can not be ruled out. At this moment maximum sustained winds are near 105 kt (190 km/h) with higher gusts. Irma is a category 3 hurricane on the Saffir-Simpson Hurricane Wind Scale. Some strengthening is forecasted during the next 48 hours. Hurricane-force winds extend outward up to 30 nautical miles (55 km) from the center and tropical-storm-force winds extend outward up to 120 nautical miles (220 km).

Effect on local conditions

Winds: Tuesday the wind will be northeast and turn to north to northeast in the evening, increasing to fresh to moderate (5-6 Bft). There is a small risk that tropical-storm-force winds already will reach the Islands during

the late evening. During Wednesday night the wind will become northwest and increase to gale to strong gale, 8 to 9 Bft. Wednesday morning the wind is expected to turn west and increase to 9-11 Bft (up to 120 km/hr). The probability for Hurricane-force winds (exceeding 64 kt (>120 km/hr)) is 40-50% during this period. Wednesday afternoon the wind will turn southwest and gradually decrease to gale to strong gale 8-9 Bft, near gale to gale (7-8 Bft) in the evening. Gusts will be up to 20 kts (40 km/hr) above the mean wind.

Seas: From Tuesday evening waves are building up to 10-15 ft and may reach values around 20 ft during Wednesday morning.

Rainfall: From later on Tuesday till Thursday high amounts of rainfall are expected. Amounts of 3 to 6 inches are likely.

Local authorities and residents of Saba and St. Eustatius are advised to continue monitoring the further progress of this weather system and to take all necessary measures to safeguard life and property.

Center's latest and forecast positions:

- Mon Sep 04 11:00 (lt) 16.8N 53.3W Hurricane 1060 km (659 miles) east of Saba
- Mon Sep 04 20:00 (lt) 16.5N 54.8W Hurricane 906 km (563 miles) east of Saba
- Tue Sep 05 08:00 (lt) 16.7N 57.1W Hurricane 661 km (411 miles) east of Saba
- Tue Sep 05 20:00 (lt) 17.3N 59.6W Hurricane 388 km 241 miles) east of Saba
- Wed Sep 06 08:00 (lt) 18.2N 62.4W Hurricane 111 km (69 miles) north-northeast of Saba
- Thu Sep 07 08:00 (lt) 19.9N 68.0W Hurricane 560 km (331 miles) northwest of Saba

Definitions:

TROPICAL CYCLONE WARNING: A warning for tropical cyclone conditions, including possible sustained winds within the range ≥ 118 km/h (≥ 74 mph) (≥ 64 knots) are expected in specified areas in 36 hours or less.

Next bulletin: Monday September 04, 2017, 16:36 local time

