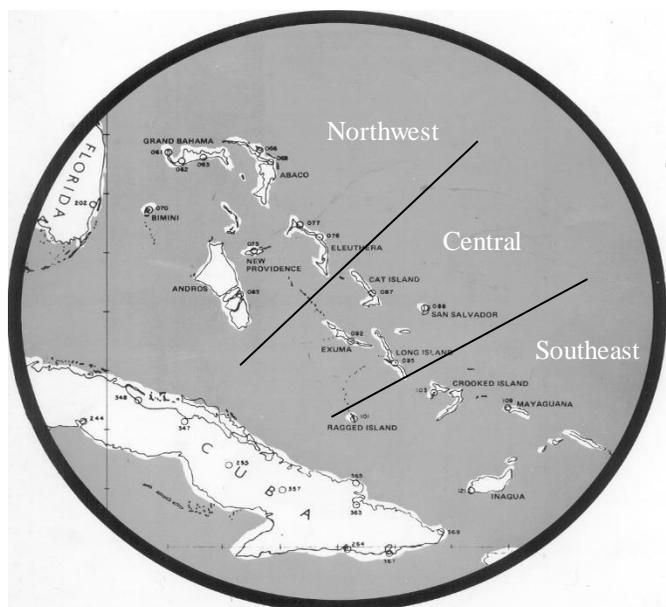




Commonwealth of The Bahamas

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WEATHER LOG

JUNE, 2021

GENERAL WEATHER SITUATION OVER THE BAHAMAS

The month of June is the official start of the Tropical Atlantic Basin Hurricane Season. Three tropical storms formed in the month, an above average for the month. Although no storm affected the Bahamas, there was some 42 Severe Thunderstorm Warning issued for the month due to the presence of multilayered troughs, an abundance of moist and unstable air mass. In the preceding month in addition to this month, the rainfall at both Grand Bahama International Airport and Lynden Pindling International Airport have been below average despite the increased weather activity across the Northwest Bahamas. Temperatures soared into the mid 80's (°f) to low 90's (°f) and fell at nighttime to the upper 60's (°f) to upper 70's (°f) over the Northwest Bahamas. The relative humidity fell slightly for New Providence, winds were on the breezy side for most of the month.

During the first days of June (01st – 03rd), a surface trough with a mid to upper level low interacted with a moist unstable air mass to support unsettled weather over the Bahamas. Shortly after (04th – 05th) a building high pressure system ushered in drier conditions with moderate to fresh breezes throughout the Bahamas Islands. The weather was variably cloudy to overcast as scattered showers and thunderstorms affected most of the Bahamas early in the week, however partly sunny, breezy and hot conditions dominated weather conditions later in the week. At least seven Severe Thunderstorm Warnings were issued for islands in the Northwest and parts of the Central Bahamas as a surface trough interacted with a mid to upper level low. A Small Craft Caution was issued for most of the Bahamas during the week, but a Small Craft Advisory occurred in the Central and Southeast Bahamas by the weekend. Mariners and swimmers across the Bahamas were advised to remain vigilant due to possible moderate to high risk of rip currents along eastern and southern shorelines. Mariners and Beachgoers were also advised of the possible development of waterspouts or tornadoes near thunderstorms and in the vicinity of the trough. Residents in low-lying and flood-prone areas were advised of the possibility of flooding during heavy downpours and prolonged rainfall events in the Northwest and Central Bahamas. High temperatures ranged from the low-90's to upper-80's (°f), and low temperatures from the low-70's to upper-70's (°f) across the Bahamas.

By the second week of June (06th -12th) a broad high pressure ridge centered north of the area continued to influence the weather across the Bahamas with moderate to fresh breezes. A Small

Craft Caution was issued for the entire Bahamas, but later (09th) continued for the Southeast Bahamas before all advisories were discontinued. Mariners and Beachgoers were warned to be vigilant for the moderate risk of rip currents along east and south coast beaches. Mariners and Beachgoers were also advised of possible waterspout and tornado development across the Northwest Bahamas as a surface trough developed in the vicinity of the Extreme Northwest Bahamas by the end of the week. The weather across the Bahamas was partly to mostly sunny, hot, and a bit breezy during the week, however, it deteriorated by the weekend in the Northwest Bahamas due to the trough. Two Severe Thunderstorm Warnings affected the islands of Grand Bahama, Abaco, and Andros along with their surrounding waters between 1 pm and 4 pm, Saturday, 12th July 2021. High temperatures ranged from the low-90's to upper-80's (°f), and low temperatures from the low-70's to low-80's (°f) across the Bahamas.

The third week of June (13th – 19th) was dominated by streaming tropical moisture and a multilayered trough in the vicinity of the Northwest Bahamas that triggered the issuance of some 28 Severe Thunderstorm Warnings for the area. Mariners were advised to be vigilant for the possibility of waterspout and tornadic activity, gusty winds and reduced visibility to less than 3nm in heavy showers and thunderstorms mainly across the Northwest Bahamas. Residents were also advised to take necessary precautions during heavy downpours and prolonged rainfall events especially in low-lying and flood-prone areas in the Northwest Bahamas. A ridge of high pressure anchored across the Bahamas maintained a Small Craft Caution across the Extreme Northwest Bahamas for short periods versus the Southeast Bahamas for most of the period. Weather was variably cloudy to overcast, hot, and humid with scattered showers and isolated thunderstorms mainly across the Northwest and portions of the Central Bahamas. The Southeast Bahamas was partly sunny, hot, and breezy with few isolated showers and thunderstorms. High temperatures ranged from the low-90's to upper-80's (°f), and low temperatures from the upper-60's to low-80's (°f) across the Bahamas.

The fourth week of June (20th – 26th) realized an abundance of tropical moisture that interacted with multilayered troughs that formed near or moved through The Bahamas. Pockets of unsettled weather, caused the issuance of five Severe Thunderstorm Warnings, generally across the Northwest Bahamas. A persistent high pressure ridge prompted the issuance of a Small Craft Caution over the Central and the Southeast Bahamas for most of the week, while the Northwest Bahamas was issued a Small Craft Caution later in the week before activities came to a halt on the weekend. Mariners were advised to be vigilant for possible waterspout and tornadic activity, gusty winds and reduced visibility to less than 3nm in heavy showers and thunderstorms mainly across the Northwest Bahamas. Residents were also advised to take the necessary precautions during heavy downpours and prolonged rainfall events especially in low-lying and flood-prone areas in the Northwest Bahamas. Mariners and Beachgoers were advised to exercise caution as a moderate risk of rip currents and high surf along eastern and southern shorelines was possible. The weather remained variably cloudy to overcast with some scattered showers and isolated thunderstorms across the Northwest Bahamas. The Central and Southeast Bahamas was partly cloudy to cloudy, hot, and humid with few scattered showers or isolated thunderstorms. High temperatures ranged from the low-90's to upper-80's (°f), and low temperatures from the low-70's to low-80's (°f) across the Bahamas.

The last week of June (27th - 30th) a moist and unstable air mass along with a low to mid-level trough associated with a weak low pressure system northeast of the area continued to support unsettled weather across portions of the Bahamas as it migrated westwards. A persistent high pressure ridge again prompted the issuance of a Small Craft Caution over the Central and the Southeast Bahamas for most of the week, while winds were more relaxed across the Northwest Bahamas. Mariners and residents were advised to be vigilant for possible waterspout, funnel cloud, and tornadic activity, along with gusty winds and reduced visibility in heavy showers and thunderstorms mainly across the Northwest Bahamas. Mariners and Beachgoers were cautioned

of the possibility of the moderate risk of rip currents along east and south coast beaches. Residents were also advised to limit outdoor activities and remain hydrated due to heat indices reached the triple digits across the Bahamas. Severe Thunderstorm Warnings and a Severe Thunderstorm Watch were issued for the Northwest and portions of the Central Bahamas on the 28th through 30th June. These warnings advised residents to take the necessary precautions during heavy downpours and prolonged rainfall events, especially in low-lying and flood-prone areas. High temperatures ranged from the low-90's to upper-80's (°f), and low temperatures from the low-70's to low-80's (°f) across the Bahamas.

Tropical Weather Summary

Three tropical storms (Bill, Claudette, and Danny) formed during the month of June. Two tropical storms (Claudette and Danny) made landfall in Louisiana and South Carolina, United States respectively. None of these storms threaten the Bahamas.

1. Tropical Storm Bill formed on the 14th and dissipated on the 16th of June. Bill reached a maximum wind speed of 60 mph and dissipated as extratropical low south of Nova Scotia, Canada. Bill (a fish storm) never affected any landmass.

2. Tropical Storm Claudette formed in the northern Gulf of Mexico on the 19th and moved inland across southern Louisiana, southern Mississippi, central Alabama, northern Georgia, northern South Carolina, northeastern North Carolina, and into the western Atlantic Ocean. Claudette dissipated just east of the New York and Delaware State coastal waters. The storm reached a maximum wind speed of 45 mph.

3. Tropical Storm Danny formed on the 28th and dissipated on the 29th of June. Danny moved from the western Atlantic Ocean waters inland across southern South Carolina and dissipated over central Georgia. The storm reached a maximum wind speed of 45 mph.

General Weather Situation over New Providence for June 2021

The mean maximum daytime temperature of 89.5°F rose 0.3°F above the average for June, the mean minimum nighttime temperature of 72.7°F was 2.9°F below normal. The mean relative humidity was 78.0 percent, 1.0 percent below normal for the month. The total rainfall was 4.69 inches, well below the mean monthly rainfall total of 8.66 inches. The daily average sunshine hours was 8.4, just 0.6 of an hour above the norm. The winds were predominantly from the southeast through south at an average speed of 8.7 knots, 2.5 knots above the statistical average.



Geoffrey Greene
For (Director)