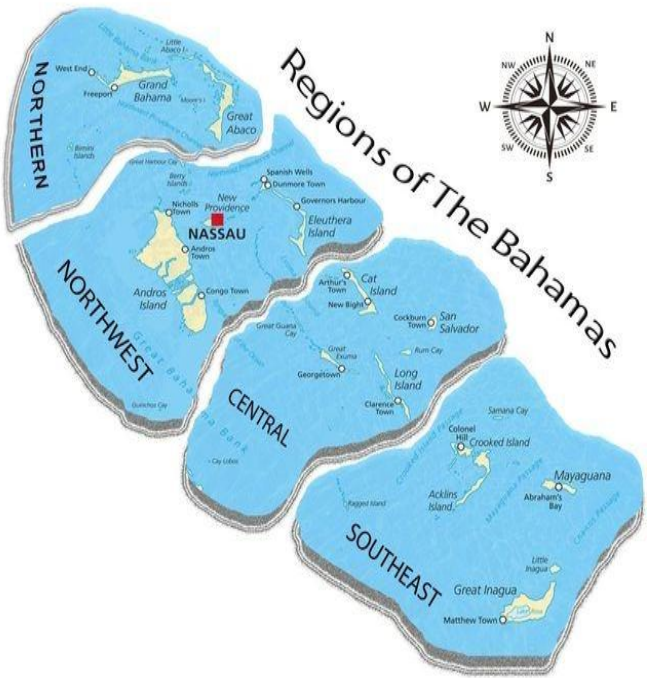


# Commonwealth of The Bahamas

DEPARTMENT OF METEOROLOGY



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## WEATHER LOG MAY 2025

## GENERAL WEATHER SITUATION OVER THE BAHAMAS

During the first days of May (Thursday, the 01<sup>st</sup> to Saturday, the 03<sup>rd</sup> of May 2025), a stationary front over the Central Bahamas gradually weakened and dissipated, producing occasional light showers over portions of the island chain. At the same time, a Bermuda high pressure system provided a mostly dry and stable air mass, producing moderate to fresh breezes with brief passing showers elsewhere. Later on Saturday, a mid to low-level disturbance moved through the archipelago, occasionally triggering showers and some isolated thunderstorm activity. By the end of Saturday, a low-level trough had moved near the Northern Bahamas, bringing streaming moisture that produced some showers and isolated thunderstorms, mainly in the Northern and Northwest Bahamas. A high risk of rip currents continued for all Atlantic exposures and beachgoers were urged to remain onshore. A moderate risk of rip currents was in place of east coast waters not directly exposed to the Atlantic, and beachgoers were urged to exercise caution. Due to the anticipated high UV indices, the public was encouraged to wear sun-protective clothing and sunscreen while limiting sun exposure during peak sunshine hours between 10 am – 4 pm EDT. High temperatures ranged from the mid-80s to low-90s (°F), while low temperatures varied from the mid-60s to mid-70s (°F) across the archipelago.

The first week of May (Sunday, the 04<sup>th</sup> to Saturday, the 10<sup>th</sup> of May 2025) had a dominant high pressure ridge over the area before a low to upper-level trough over the eastern United States brought streaming tropical moisture across the Northern and Northwest Bahamas, that triggering shower and thunderstorm activity in the area. **The Bahamas Department of Meteorology (BDM) issued three Severe Thunderstorm Warnings, including a cancellation from 5:00 am to 9:00 pm EDT, Sunday, the 04<sup>th</sup> of May 2025, for Grand Bahama, Bimini, and Abaco, along with their adjacent waters.** A cold front over the Southeastern United States failed to reach the Northern Bahamas due to deep-layered ridging, which maintained mostly stable conditions and seasonable temperatures through the weekend. The public was advised to wear sun- protective clothing and eyewear during peak sunshine hours (12pm – 4pm EDT), as well as UV indices were expected to be in the high to very high range across the majority of the Bahamas. A slight risk of rip currents continued for all Atlantic exposures; Beachgoers were urged to exercise caution when entering these waters. High temperatures ranged from the low-80s to low-90s (°F), while low temperatures varied from the low-70s to upper-70s (°F) across the archipelago.

The week of Sunday, the 11<sup>th</sup> through Saturday, the 17<sup>th</sup> of May 2025, continued with ridging from the previous week, as a deep low centered over the southern Louisiana and Mississippi area introduced some instability across the Northern Bahamas. This low pressure system, along with a frontal boundary, interacted with a southward moving mid to upper-level disturbance to usher in rich tropical moisture across the Northern and Northwest Bahamas. **The BDM issued twenty Severe Thunderstorm Warnings and Severe Thunderstorm Watches from noon EDT Monday to 5:40 pm EDT Wednesday, the 14<sup>th</sup> of May 2025, for the Northern and Northwest Bahamas, including Bimini,**

**Grand Bahama, Abaco, Andros, Berry Islands, New Providence, Eleuthera, Northern Exuma Cays and Little Exuma along with their adjacent cays and waters.** Residents in the Northern and Northwest Bahamas were advised of the potential for localized flooding during heavy and prolonged rainfall events. There was an elevated risk of waterspout activity outside of convective cells that could move inland in the Northern and northwest Bahamas. As the trough weakened over the Central and Southeast Bahamas, it was replaced by a high pressure ridge that shifted from the Gulf of Mexico, bringing drier air across the Northern and Northwest Bahamas. Later in the week, a surface trough near the Southeast Bahamas and lingering moisture from the dissipated trough triggered some showers and thunderstorms, accompanied by moderate to fresh breezes until the system shifted out of the area. By Saturday, the broad Atlantic high pressure ridge maintained gentle to moderate breezes until the system shifted out of the area. There was a moderate risk of rip currents, particularly along Atlantic and eastern-facing shorelines. Residents were advised to expect gusty winds in or near heavy showers or thunderstorms. Pedestrians and motorists in the Northern and Northwest Bahamas were advised to proceed with caution through Wednesday due to the risk of excessive flooding during the period, particularly in low-lying and flood-prone areas. High temperatures ranged from the low-80s to low-90s (°F), while low temperatures varied from the upper-60s to upper-70s (°F) across the archipelago.

The week from Sunday, the 18th, to Saturday, the 24th of May 2025, started with deep, layered ridging over the Bahamas, which maintained dry and hot conditions across the area. The high pressure ridge weakened and shifted slightly eastward as a cold front and pre-frontal activity moved southward over the Florida Peninsula on Wednesday. **On Thursday, a late-season cold front moved across the Bahamas, and the BDM issued three Severe Thunderstorm Warnings, including a discontinuation from 6:40 am EDT to 5:50 pm EDT Friday, the 23rd of May 2025 for Abaco and Grand Bahama, along with their adjacent cays and waters.** The front became quasi-stationary and weakened along with its pre-frontal activity through the weekend across the Northern and Northwest Bahamas. At the same time, the remainder of the Bahamas was under the influence of a high pressure ridge that primarily promoted dry, hot, and stable conditions. The remnant moisture from a dissipated front across the Northern Bahamas, combined with the movement of weak low -to mid-level troughing, increased the chance of heavy showers and isolated thunderstorms across the Northern Bahamas through early Sunday. Due to the high heat indices and UV indices, the BDM advised the public to take frequent breaks in the shade, drink plenty of water, and wear comfortable protective clothing along with sunglasses and sunscreen to mitigate possible health issues. High temperatures ranged from the upper-80s to low-90s (°F), while low temperatures varied from the low-70s to low-80s (°F) across the archipelago.

The start of the week on Sunday, the 25<sup>th</sup> of May 2025, saw some lingering pockets of heavy showers and thunderstorms from previous troughing and low-level moisture across the Northern Bahamas. **The BDM issued four Severe Thunderstorm Warnings that included Severe Thunderstorm Watches and cancellations from 2:50 pm EDT to 9:00 pm EDT Saturday, the 31<sup>st</sup> of May 2025 for Bimini, Eleuthera, Little Exuma, and their adjacent waters and cays.** At the same time, deep ridging over the remainder of the Bahamas supported mainly dry and stable conditions with some locally brisk breezes that triggered one or two showers at times. The rest of the week remained largely stable and dry as the persistent ridge of high pressure kept gentle to moderate breezes with warm and humid conditions over the archipelago. The movement of a pre-frontal trough with a weak cold front over South Florida, along with streaming tropical moisture aided by a robust mid to low-level trough, supported cloudy skies, occasional showers and isolated thunderstorms mainly across the Northern and Northwest Bahamas through the weekend. Due to high heat indices and very high UV indices, the BDM advised the public to take frequent breaks in the shade, drink plenty of water, and wear comfortable protective clothing, along with sunglasses and sunscreen, to mitigate health issues. High temperatures ranged from the upper-80s to low-90s (°F), while low temperatures varied from the upper-70s to low-80s (°F) across the archipelago.

### **General Weather Situation over New Providence for May 2025**

The mean **maximum daytime temperature** reached 87.1°F, **rose 0.7°F** above the normal average, while the **mean minimum nighttime temperature** rose 0.6°F above the norm to 76.2°F. Total rainfall measured just **2.05 inches**, which was **3.43 inches below the monthly average**. The **monthly mean relative humidity** stood at **72%**, which is **five percent below the long-term mean**. Sunshine's **daily average hours** reached **7.8**, **1.3 hours below the 30-year norm**. Wind speeds averaged **13.0 knots**, exceeding the 30-year average by **5.7 knots**, with prevailing winds blowing from the southeast **through the south** across the Bahamas. The **monthly standard deviation** in temperature was **1.48°C**, which was **0.18°C above the typical variation**.



Geoffrey Greene  
For (Acting Director)

**Supplementary**  
**BDM** – Bahamas Department of Meteorology

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