

## Bahamian Climatology

### Hurricane Climatological Impact Rankings of Some of the Major Islands in The Bahamas

<u>Island &amp; Position on the North Atlantic listing:</u>	<u>Impact-Frequency:</u>	<u>Longest gap between storms:</u>	<u>Average years between direct hurricane hits:</u>	<u>Average years between major (Cat 3 or higher) hurricane hits:</u>	<u>Average MPH of hurricane hits- based on sustained measured winds:</u>	<u>Statistically when this area should be affected next:</u>	<u>Last affected by:</u>
<u>Abaco #6<sup>th</sup></u> Affected by 85 named storms and 51 hurricane hits since 1871	Brushed or hit every 1.75 years	21 years 1966-1986	Once every 3.70 years	Once every 7.05 years	114 mph	Before the end of 2022	Tropical Storm Eta in 2020
<u>Grand-Bahama- #3<sup>rd</sup></u> Affected by 93 named storms and 57 hurricane hits since 1871	Brushed or hit every 1.60 years	7 years 1916-1924	Once every 4.03 years	Once every 8.76 years	113 mph	Before the end of 2022	Tropical Storm Eta in 2020
<u>Nassau- #51<sup>st</sup></u> Affected by 63 named storms and 38 hurricane hits since 1871	Brushed or hit every 2.37 years	10 years 1908-1919	Once every 5.73 years	Once every 9.31 years	120 mph	End of 2023	Tropical Storm Eta in 2020
<u>Andros-#8<sup>th</sup></u> Affected by 81 named storms and 45 hurricane hits since 1871	Brushed or hit every 1.84 years	6 years 1909-1916 & 1919-1926	Once every 4.66 years	Once every 8.76 years	122 mph	Before the end of 2022	Tropical Storm Eta in 2020
<u>Eleuthera- #18<sup>th</sup></u>	Brushed or hit every 2.04 years	18 years 1973-1992	Once every 4.38 years	Once every 8.28 years	114 mph	Before the end of 2023	Tropical Storm Eta in 2020

<b>Affected by 73 named storms and 46 hurricane hits since 1871</b>							
<b><u>Long Island-#32<sup>nd</sup></u></b> <b>Affected by 68 named storms and 38 hurricane hits since 1871</b>	Brushed or hit every 2.19 years	12 years 1960-1973	Once every 5.73 years	Once every 12.42 years	109 mph	End of 2022	Hurricane Isaias in 2020
<b><u>Acklins-#46</u></b> <b>Affected by 65 named storms and 39 hurricane hits since 1871</b>	Brushed or hit every 2.29 years	17 years 1963-1981	Once every 2.29 years	Once every 6.48 years	114 mph	End of 2023	Hurricane Isaias in 2020

(Courtesy of Jim Williams/www.hurricanecity.com)

### Storms Affecting The Bahamian Archipelago by the Month

<b>Month:</b>	<b>Number of storms:</b>
May	2
July	2
August	8
September	15
October	7
November	3

(Courtesy of NOAA/National Hurricane Center, HURDAT, Wikipedia, Colorado State University, Wayne Neely, & Bahamas Department of Meteorology).

### Storms Affecting The Bahamian Archipelago by the Month

<b>Period:</b>	<b>Number of storms:</b>
1800s	3
1900–49	3
1960s	3
1970s	2
1980s	1
1990s	4
2000s	8
2010s	8
2020s	5

(Courtesy of NOAA/National Hurricane Center, Wikipedia, Colorado State University, Wayne Neely, Bahamas Department of Meteorology).

### Deadliest Bahamian Hurricanes

The following is a list of North Atlantic tropical storms that caused fatalities in the Bahamian Archipelago:

<b>Name:</b>	<b>Year:</b>	<b>Deaths:</b>
Great Okeechobee Hurricane	1928	~1400 Bahamian migrant workers in Florida
Great Bahamas Hurricane	1866	387+
Great San Ciriaco	1899	~334
Great Nassau Hurricane	1926	258–68+
Great Andros Hurricane	1929	142
Great Miami Hurricane	1926	~123
Hurricane #3	1883	109
Hurricane #8	1908	99
Great Florida Keys Hurricane	1919	≥94–5
Dorian	2019	74 (50 missing*)
Hurricane #6	1908	58+

(Courtesy of NOAA/National Hurricane Center, Wikipedia, Colorado State University, Wayne Neely, Bahamas Department of Meteorology).

\*Official Royal Bahamas Police Force Records.

### Most Intense North Atlantic Hurricane

<b>Rank:</b>	<b>Hurricane:</b>	<b>Year:</b>	<b>Pressure (hPa):</b>	<b>Pressure (inHg):</b>
1	Wilma	2005	882	26.05
2	Gilbert	1988	888	26.23
3	Great Labour Day	1935	892	26.34
4	Rita	2005	895	26.43
5	Milton	2024	897	26.49
6	Allen	1980	899	26.55
7	Camille	1969	900	26.58
8	Katrina	2005	902	26.64
9	Mitch	1998	905	26.73
9	Dean	2007	905	26.73

(Courtesy of NOAA/National Hurricane Center, Wikipedia, Colorado State University, Wayne Neely, Bahamas Department of Meteorology).

### Total and Average Number of North Atlantic Tropical Storms by Month (1851–2017)

<b>Month:</b>	<b>Total:</b>	<b>Average per year:</b>
January – April	7	<0.05
May	22	0.1
June	92	0.5
July	120	0.7
August	389	2.3
September	584	3.5
October	341	2.0
November	91	0.5
December	17	0.1

(Courtesy of NOAA/National Hurricane Center, Wikipedia, Colorado State University, Wayne Neely, Bahamas Department of Meteorology).

### Wettest Tropical Cyclones and their Remnants in The Bahamas-Highest-Known Totals

<b>Rank:</b>	<b>Precipitation: (mm)</b>	<b>Precipitation: (In)</b>	<b>Storm/Year:</b>	<b>Location:</b>
1	747.5	29.43	Noel 2007	Long Island
2	580.1	22.84	Dorian 2019	Hope Town
3	500.3	19.70	Matthew 2016	Matthew Town, Inagua
4	436.6	17.19	Flora 1963	Duncan Town
5	390.1	15.36	Inez 1966	Nassau Airport
6	337.1	13.27	Fox 1952	New Providence
7	321.1	12.64	Michelle 2001	Nassau
8	309.4	12.18	Erin 1995	Church Grove
9	260.0	9.88	Fay 2008	Freeport
10	236.7	9.32	Floyd 1999	Little Harbour Abacos

(Courtesy of NOAA/National Hurricane Center,Wikipedia, Colorado State University, Wayne Neely, Bahamas Department of Meteorology).

### Most Storms in a Year (North Atlantic)

<b>Year:</b>	<b>Tropical Storms:</b>	<b>Hurricanes:</b>	<b>Major:</b>
2020	30 *	14	7
2005	28 *	15	7
2021	21 *	7	4
1933	20	11	6
2023	20 *	7	3
2010	19	12	5
1995	19	11	5
1887	19	11	2
2012	19	10	2
2011	19	7	4

(Courtesy of NOAA/National Hurricane Center,Wikipedia, Colorado State University, Wayne Neely, Bahamas Department of Meteorology).

\* Includes at least one subtropical storm.

### Fewest Storms in a Year (North Atlantic)

<b>Year:</b>	<b>Tropical Storms:</b>	<b>Hurricanes:</b>	<b>Major:</b>
1914*	1	0	0
1930	3	2	2
1857	4	3	0
1868	4	3	0
1883	4	3	2
1884	4	4	1
1890	4	2	1
1917	4	2	2
1925	4	2	0
1983	4	3	1

(Courtesy of NOAA/National Hurricane Center,Wikipedia, Colorado State University, Wayne Neely, Bahamas Department of Meteorology).

\*The 1914 season had just one tropical storm and no hurricanes.

### Most Intense North Atlantic Hurricanes by Minimum Barometric Pressure

Hurricane:	Season:	By peak pressure (mbar):	By peak pressure (inHg):	By pressure at landfall (mbar):	By pressure at landfall (inHg):
Wilma	2005	882	26.05	-	-
Gilbert	1988	888	26.22	900	26.58
Labour Day	1935	892	26.34	892	26.34
Rita	2005	895	26.43	-	-
Milton	2024	897	26.49	-	-
Allen	1980	899	26.55	-	-
Camille	1969	900	26.58	900	26.58
Katrina	2005	902	26.64	-	-
Mitch	1998	905	26.72	-	-
Dean	2007	905	26.72	-	26.72
"Cuba"	1924	-	-	-	26.87
Dorian	2019	-	-	-	26.87
Janet	1955	-	-	-	26.99
Irma	2017	-	-	-	26.99
"Cuba"	1932	-	-	-	27.10
Michael	2018	-	-	-	27.14

(Courtesy of NOAA/National Hurricane Center,Wikipedia, Colorado State University, Wayne Neely, Bahamas Department of Meteorology).

Note: (-) Indicates that the pressure was not a record, only the top ten storms for each category are included here.

### Strongest North Atlantic Hurricanes (by 1-minute sustained wind speed)

Hurricane:	Season:	By peak sustained wind speed (mph):	By wind speed at landfall (mph):
Allen	1980	190	185
Labour Day	1935	185	-
Gilbert	1988	185	185
Dorian	2019	185	-
Wilma	2005	185	-
Mitch	1998	180	-
Rita	2005	180	180
Irma	2017	180	-
Milton	2024	180	-
"Cuba"	1932	175	175
Janet	1955	175	175
Camille	1969	175	175
Anita	1977	175	175
David	1979	175	165
Andrew	1992	175	-
Katrina	2005	175	175
Dean	2007	175	165
Felix	2007	175	165
Maria	2017	175	-

(Courtesy of NOAA/National Hurricane Center,Wikipedia, Colorado State University, Wayne Neely, Bahamas Department of Meteorology).

Note: (-) Indicates that the wind speed was not a record, only the highest ranking storms for each category are included here.

### Costliest North Atlantic Hurricanes

Rank:	Category:	Hurricane:	Season:	Damage:
1	5	Katrina	2005	\$125 billion

<b>2</b>	<b>4</b>	<b>Harvey</b>	<b>2017</b>	<b>\$125 billion</b>
<b>3</b>	<b>5</b>	<b>Ian</b>	<b>2022</b>	<b>\$113 billion</b>
<b>4</b>	<b>5</b>	<b>Maria</b>	<b>2017</b>	<b>\$91.6 billion</b>
<b>5</b>	<b>4</b>	<b>Helene</b>	<b>2024</b>	<b>\$87.9 billion</b>
<b>6</b>	<b>5</b>	<b>Milton</b>	<b>2024</b>	<b>\$85 billion</b>
<b>7</b>	<b>5</b>	<b>Irma</b>	<b>2017</b>	<b>\$77.2 billion</b>
<b>8</b>	<b>4</b>	<b>Ida</b>	<b>2021</b>	<b>\$75.3 billion</b>
<b>9</b>	<b>3</b>	<b>Sandy</b>	<b>2012</b>	<b>\$68.7 billion</b>
<b>10</b>	<b>4</b>	<b>Ike</b>	<b>2008</b>	<b>\$38 billion</b>

(Courtesy of NOAA/National Hurricane Center, Wikipedia, Colorado State University, Wayne Neely, Bahamas Department of Meteorology).