# **ATLANTIC HURRICANE SEASON 2024**

18 Named Storms Average 14

11 Hurricanes Average 8

5 Major Hurricanes Average 3 162 Accumulated Cyclone Energy 33% above

#### A Unique Hurricane Season

The first system, Tropical Storm Alberto developed on June 19, making it the latest first named storm since 2014.

Hurricane Beryl on July 2 became the earliest ever known Cat 5 hurricane by over two weeks.

For 19 days between August 20 and September 8 not a single tropical depression, storm or hurricane passed through the Atlantic basin waters, the first time this has happened since at least 1941.

The season then resumed with great intensity - 11 named storms, seven hurricanes, and four major hurricanes after September 24, setting numerous records for late-season activity.

# More Records in 2024

Record-warm waters and the lowest wind shear on record over the tropical Atlantic helped fuel two Cat 5s more than three months apart – Beryl and Milton – making 2024 the first season since 2019 with two Cat 5 Storms.

#### An Epic Rainfall Event - Hurricane Helene

Estimated rainfall amounts from Helene across the southern Appalachians had an Annual Recurrence Interval greater than 1000-years meaning there is less than a 0.1% chance of that happening in any given year.

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### More and Stronger Hurricanes

Helene's landfall was the eighth Cat 4 or Cat 5 Atlantic hurricane landfalls in the past eight years (2017-2024), seven of them being continental U.S. landfalls. That is as many Cat 4 and 5 landfalls as occurred in the previous 57 years.

## Hurricane Helene 24 - 27 September



The season's most deadliest and most destructive hurricance. Helene made landfall in Florida's Big Bend Region on 26 September as a category 4 storm with 140 mph

(225 kmh) winds and the strongest in history for the region.

At least 243 people lost their lives across 7 states making it the deadlist hurricane to hit the mainland US since Hurricane Katrina in 2005.

Flood damage from the hurricane was catastrophic in western North Carolina with the final damage tally making Helene on of the top 10 most expensive hurricanes on record.

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10	1 - Colore		ELORIDA		NORTH CAROLINA	
20*	Lengvilles	the second second	Sumatra	15.91	Busick	30.78
15*	C management		Wilma Apalachicola	11.94° 9.20°	Mount Mitchell State Park Boone 3.8 ENE	24.20 20.12
10*	Desiring Databalle disease	THE A	GEORGIA		SOUTH CAROLINA	
8"		- Carlos	Tallulah	14.22	Table Rock	14.34

Tafilulah Diliarda 3.5 I Atlanta Inte Burganay 1.6 N Auburn-Opp Kentruc Padacah Eizabethio Fort Knox

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Issued	09/28/2024	11 AM	EDT

Wilma Apalachicola
GEORGIA
Tallulah Dillard 3.5 NE Atlanta International Arpt
ALABAMA
Eufaula Municipal Arpt Pansy 1.6 NNE Auburn-Opelika <u>Arpt</u>
KENTUCKY
Paducah Elizabethtown 6.5 N Fort Knox

		NORTH CAROLINA	
	15.91	Busick	30.78*
	11.94"	Mount Mitchell State Park	24.20
	9.20"	Boone 3.8 ENE	20.12
		SOUTH CAROLINA	
	14.22	Table Rock	14.34*
	14.06*	Salem 1.8 NE	13.78"
ional Arpt	11.13"	Columbia 2.1 NNW	10.76
		TENNESSEE	
al Arpt	9.42"	Benton 2.3 ESE	9.92
	8.50"	Sevierville 3.8 SE	7.22"
Arpt	7.13"	Bristol/Kingsport/Johnson City Arpt	5.79*
		VIRGINIA	
	6.00*	Independence 1.3 S	9.49
5 N	5.98"	Galax 5.3 SW	8.11"
	4.58*	Nora 4 SSE	7.55
		IONAL WEATHER SERV	
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