

# POST TROPICAL CYCLONE REPORT

<b>Storm Name</b>	Hurricane Helene
<b>NWS Office</b>	Miami
<b>Begin/End Date</b>	09/24/2024 - 09/27/2024
<b>Fatalities</b>	0 - Direct 0 - Indirect
<b>Tornadoes</b>	2

## Event Summary

The center of Hurricane Helene passed about 200 miles west of Naples as a Category 3 hurricane moving N-NE over the eastern Gulf of Mexico around midday on Thursday, September 26th, then made landfall later that evening in the Florida Big Bend as a Category 4 hurricane. The large wind field around Helene brought tropical storm force winds to a good portion of southern Florida, with the most consistent area of sustained tropical storm force winds over western Collier County on September 26th. Brief but strong tropical storm force wind gusts affected the remainder of southern Florida. Some of the strong wind gusts associated with Helene were not directly associated with rainbands, but due to the very strong pressure gradient and daytime heating which acted to mix down strong winds just above the surface. Most locations experienced some wind damage, primarily to trees. Sections of Collier County observed minor roof and structural damage from wind. Significant coastal flooding occurred along the Collier County coast from storm surge.

*NOTE: It is unlikely that the point-based observations provided in this report sampled the peak values for the event.*

## Highest 10 Land Winds (kts)\*

Station	State	Type	Sustained	Gust
Turkey Point	FL	WxFlow	38	48
FSWN Ft. Lauderdale-Hollywood Intl Ai	FL	WeatherSTEN	35	47
FSWN Collier Everglades Airpark	FL	WeatherSTEN	35	43
Ft Lauderdale/Hollywood Intl Apt	FL	ASOS	33	56
Immokalee Airport	FL	AWOS	33	51
FSWN Glades Muse EMS 3	FL	WeatherSTEN	32	43
Airglades Airport	FL	AWOS	30	43
Miami Opa Locka Airport	FL	ASOS	30	63
Pompano Beach Airpark	FL	ASOS	30	44
FSWN Collier Bayview Park	FL	WeatherSTEN	30	42

\* Anemometer heights < 20 m

## Highest 10 Marine Winds (kts)\*

Station	Type	Sustained	Gust
Juno Beach Pier	WxFlow	47.0000	58
Lake Worth Pier	NOS	41.0000	53
Dania Beach	CCU	40.0000	
FSWN Delray Beach North	WeatherSTEN	40.0000	47
Dania Pier	WxFlow	37.0000	45
FSWN Delray Beach Atlantic Dunes Par	WeatherSTEN	35.0000	40
Hillsboro Inlet Lighthouse	WxFlow	35.0000	47
FSWN Glades Harney Pond Park	WeatherSTEN	34.0000	38
Biscayne Bay Light 20	WxFlow	34.0000	43
FSWN Lake Okeechobee Lock 7	WeatherSTEN	33.0000	44

\* Anemometer heights < 20 m

## Highest 10 Rainfall Totals

Station	State	Type	Inches
Ochopee	FL	RAWS	3.96
1.9 N Homestead	FL	UCOOP	3.68
North Naples	FL	Earth Networ	3.55
Naples	FL	CWOP	3.40
Golden Gate 2.2 SW	FL	COCORAHS	3.32
Orange Tree	FL	Earth Networ	3.26
Honeymoon	FL	RAWS	3.18
1 E Bonita Shores	FL	Earth Networ	3.01
Loxahatchee	FL	Earth Networ	2.82
Parkland	FL	Earth Networ	2.68

## Highest NOAA Tide Gage Observations

Station	State	Datum	Water Level (ft)
Naples Bay North	FL	MHHW	4.02
Virginia Key	FL	MHHW	1.37
Lake Worth Pier	FL	MHHW	1.12
South Port Everglades	FL	MHHW	1.11

## Lowest 10 Pressures (MSLP)

Station	State	Type	Millibars
Naples Municipal Airport	FL	ASOS	1000.5
Dania Beach		CCU	1003.3
Palm Beach International Airport	FL	ASOS	1004.8
Lake Worth Pier		NOS	1004.9
Ft Lauderdale/Hollywood Intl Apt	FL	ASOS	1005.0
Miami Kendall Tamiami Exec Ap	FL	ASOS	1005.0
Port Everglades		NOS	1005.1

Pompano Beach Airpark	FL	ASOS	1005.2
Ft Lauderdale Executive Airport	FL	ASOS	1005.3
Miami International Airport	FL	ASOS	1005.4

**Report Last Updated on 10/01/2024:**

This is the initial issuance. The following files have been updated: Summary, Wind and Pressure, Rainfall, Water Level, Tornadoes, Inland Flooding, and Impacts. No tornadoes were confirmed. No further updates unless additional information is received.

**Remarks:**

None