

POST TROPICAL CYCLONE REPORT

Storm Name Idalia

NWS Office Key West

Begin/End Date 08/28/2023 - 08/29/2023

Fatalities 0 - Direct
0 - Indirect

Tornadoes 0

Event Summary

The center of Hurricane Idalia passed about 165 nautical miles to the west of Key West on a northward path through the eastern Gulf of Mexico. Tropical storm-force wind gusts occurred in squalls which passed mainly through portions of the Lower Florida Keys. The maximum winds and rainfall occurred with the passage of one strong rainband which resulted in isolated fallen trees and tree limbs, isolated power outages primarily affecting a street block or two at a time. The combination of an approaching spring tide and strong southerly winds sustained just below tropical storm force resulted in storm tides ranging from 1.0 to 2.5 feet above MHHW along the oceanside. Moderate to heavy ocean wave overwash and street flooding within a few oceanside neighborhoods on the southwest portion of Key West occurred within a few hours of high tide on the mornings of August 29th and 30th, 2023.

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)*

<i>Station</i>	<i>State</i>	<i>Type</i>	<i>Sustained</i>	<i>Gust</i>
Big Coppitt Key Substation - Keys Energy Services	FL	Mesonet	43	55
Naval Air Station Key West - Boca Chica Field	FL	ASOS	39	51
Key West International Airport	FL	ASOS	28	39
Florida Keys Marathon International Airport	FL	ASOS	21	39
Tavernier Substation - Florida Keys Electric Coop	FL	WeatherFlow	19	39
Duck Key	FL	WeatherSTEM	33	37
Marathon Key	FL	WeatherFlow	25	37
Key West High School	FL	WeatherSTEM	33	36
Lower Sugarloaf Key	FL	Mesonet	22	35
U.S. Coast Guard Sector Key West	FL	WeatherFlow	25	34

* Anemometer heights < 20 m

Highest 10 Marine Winds (kts)*

<i>Station</i>	<i>Type</i>	<i>Sustained</i>	<i>Gust</i>
Sand Key	C-MAN	36	53
Sombrero Key	C-MAN	35	51
Carysfort Reef Light	WeatherFlow	38	48
Alligator Reef Light	WeatherFlow	40	47
Long Key Light	C-MAN	28	39

* Anemometer heights < 20 m

Highest 10 Rainfall Totals

<i>Station</i>	<i>State</i>	<i>Type</i>	<i>Inches</i>
Big Coppitt Key Substation - Keys Energy Services	FL	Mesonet	1.84
Ramrod Key 0.7 SE	FL	CoCoRaHS	1.01
Big Pine Key 0.9 WNW	FL	CoCoRaHS	0.97
Big Pine Key 0.7 NW	FL	CoCoRaHS	0.93
Naval Air Station Key West - Boca Chica Field	FL	ASOS	0.85
Bahia Honda State Park	FL	COOP	0.85
Key West 0.6 ESE	FL	CoCoRaHS	0.85
WFO Key West	FL	COOP	0.80
Cudjoe Key Substation - Keys Energy Services	FL	Mesonet	0.63
Key West 0.4 E	FL	CoCoRaHS	0.60

Highest NOAA Tide Gage Observations

<i>Station</i>	<i>State</i>	<i>Datum</i>	<i>Water Level (ft)</i>
Key West	FL	MHHW	1.47
Vaca Key	FL	MHHW	0.88

Lowest 10 Pressures

<i>Station</i>	<i>State</i>	<i>Type</i>	<i>Millibars</i>
Smith Shoal Light	FL	WeatherFlow	1004.7
Key West International Airport	FL	ASOS	1005.8
U.S. Coast Guard Sector Key West	FL	WeatherFlow	1005.8
Marathon Substation	FL	WeatherFlow	1006.7
Sand Key	FL	C-MAN	1006.9
Sombrero Key	FL	C-MAN	1007.1
Naval Air Station Key West - Boca Chica Field	FL	ASOS	1007.2
Crawl Key Substation - Florida Keys Electric Coop	FL	WeatherFlow	1007.5
Islamorada Substation - Florida Keys Electric Coop	FL	WeatherFlow	1007.5
Alligator Reef Light	FL	WeatherFlow	1007.5

Report Last Updated on [09/01/2023]:

The following files have been updated: Wind, Rainfall, Tide Gage, Pressures, Narrative.