

POST TROPICAL CYCLONE REPORT

Storm Name	Imelda
NWS Office	Melbourne
Begin/End Date	09/28/2025 - 09/30/2025
Fatalities	0 - Direct 0 - Indirect
Tornadoes	0

Event Summary

Tropical Storm Imelda formed in the central Bahamas before moving north into the Atlantic where it eventually intensified into a hurricane, passing about 200 miles offshore the east central Florida coastline. Impacts were confined primarily to the coast where minor to moderate beach erosion was noted at several locations. A few coastal locations saw heavy rain as a result of the system's outer rainbands.

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

Highest 10 Land Winds (34 kts or greater)*

Station	State	Type	Sustained
N/A			

* Anemometer heights < 20 m

Highest 10 Land Gusts (34 kts or greater)*

<i>Station</i>	<i>State</i>	<i>Type</i>	<i>Gust</i>
New Smyrna Beach	FL	WxFlow	35
Saint Lucie NPP	FL	WxFlow	34

* Anemometer heights < 20 m

Highest 10 Marine Winds (34 kts or greater)*

<i>Station</i>	<i>Type</i>	<i>Sustained</i>
N/A		

* Anemometer heights < 20 m

Highest 10 Marine Gusts (34 kts or greater)*

<i>Station</i>	<i>Type</i>	<i>Gust</i>
Titusville Parrish Park North	WxFlow	37
KSC/CCSFS WINDS Tower 0415	Other Federa	37
Banana River at 520	WxFlow	36
KSC/CCSFS WINDS Tower 0002	Other Federa	36
KSC/CCSFS WINDS Tower 0714	Other Federa	36
Buoy 41009	NDBC	35
KSC/CCSFS WINDS Tower 0003	Other Federa	35
KSC/CCSFS WINDS Tower 0108	Other Federa	35
KSC/CCSFS WINDS Tower 0403	Other Federa	35
KSC/CCSFS WINDS Tower 0110	Other Federa	34

* Anemometer heights < 20 m

Highest 10 Rainfall Totals (3" or greater)

<i>Station</i>	<i>State</i>	<i>Type</i>	<i>Inches</i>
Ormond Beach 3.9 SW	FL	COCORAHS	4.35
New Smyrna Beach 3.9 W	FL	COCORAHS	3.69

Highest NOAA Tide Gage Observations (> 1 ft MHHW)

<i>Station</i>	<i>State</i>	<i>Datum</i>	<i>Water Level (ft)</i>
Trident Pier, Port Canaveral, FL	FL	MHHW	1.75
Ponce De Leon South	FL	MHHW	1.72

Lowest 10 Pressures (MSLP < 1005 mb)

<i>Station</i>	<i>State</i>	<i>Type</i>	<i>Millibars</i>
N/A			

Report Last Updated on [10/01/2025]:

The following files have been updated: Wind and Pressure, Rainfall, Impact Narratives.

Remarks:

None.