

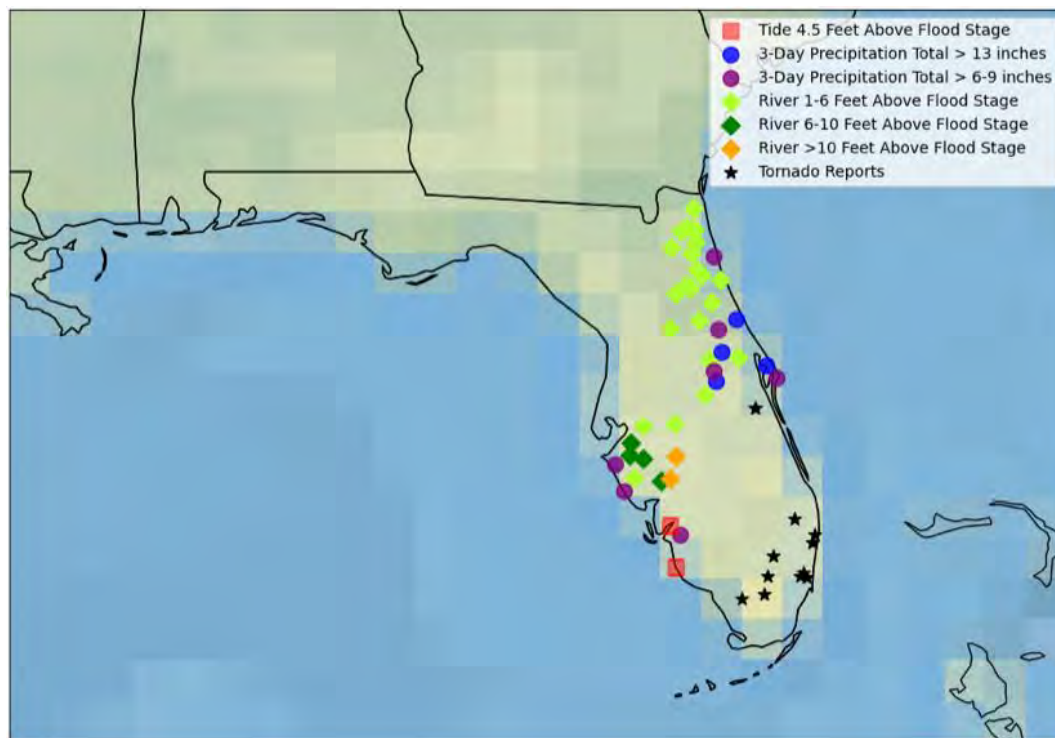
# Actuarial Weather Extremes Series

## Hurricane Ian: September 26-29, 2022

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### Hurricane Ian Events Snapshot over the period 9/26/22 – 9/29/22

In the graphic, we can see the tremendous scale of Hurricane Ian as it hit Florida and the geographic range of the perils associated with the hurricane. 13 tornadoes were reported in Southern Florida on 9/27 and 9/28, as the Hurricane approached and made landfall. Two tide stations on the western coast of Florida broke historical records for water levels [5] and rose to 4.5 feet above flood stage. As the hurricane made landfall, Automated Surface Observing Stations (ASOS) stations recorded heavy precipitation, and United States Geological Survey (USGS) stations hit up to 10 feet above flood stage. As the storm moved across Florida, several ASOS stations recorded precipitation up to 9.5 inches in one day and 16 inches over 3 days. An important note is that this graphic is only a snapshot and that there will certainly be more reports of inland flooding or fatalities.



#### Caveat and Disclaimer

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## Sources

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  - Date Accessed: 9/29/2022
  
- **[2] 3 Day Precipitation Totals**
  - Automated Surface Observing System (ASOS): Iowa State Mesonet
  - [https://mesonet.agron.iastate.edu/request/asos/hourlyprecip.phtml?network=FL\\_ASOS](https://mesonet.agron.iastate.edu/request/asos/hourlyprecip.phtml?network=FL_ASOS)
  - Date Accessed: 9/30/2022
  
- **[3] River (1-6, 6-10, >10 feet) Above Flood Stage**
  - United States Geological Survey (USGS)
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- **[4] Tornado Reports**
  - National Weather Service Storm Prediction Center
  - [https://www.spc.noaa.gov/climo/reports/220927\\_rpts.html](https://www.spc.noaa.gov/climo/reports/220927_rpts.html)
  - Date Accessed: 9/29/2022
  
- **[5] Tide Station Records**
  - NOAA's Ocean Service Twitter. 9/29/2022.
  - <https://mobile.twitter.com/noaaocean/status/1575567018358493185>

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