

# **FAMOUS HURRICANES OF THE 20th AND 21st CENTURY IN THE UNITED STATES**

**(1900 through 2008)**

\*\*\*Note: Central landfall pressure values adjusted from Reanalysis data\*\*\*

[http://www.aoml.noaa.gov/hrd/data\\_sub/re\\_anal.html](http://www.aoml.noaa.gov/hrd/data_sub/re_anal.html)

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## **1. THE GREAT GALVESTON TEXAS HURRICANE DISASTER**

- \* **September 8-9, 1900**
- \* **Galveston, Texas**
- \* **8,000 deaths (ranges up to 10,000 - 12,000)**
- \* **category 4 at landfall**
- \* **pressure 27.64" (936 mb) at landfall**
- \* **damage \$150 million**
- \* **deadliest U.S. weather disaster on record**

## **2. THE GULF/SOUTH TEXAS HURRICANE OF 1919**

- \* **September 14, 1919**
- \* **Just south of Corpus Christi, Texas**
- \* **category 3 at landfall**
- \* **Glanced Florida keys on September 9<sup>th</sup> as category 4**
- \* **pressure 27.37" (927 mb) near Key West, Florida**
- \* **pressure 28.05" (950 mb) at landfall**
- \* **600-900 deaths, many missing**
- \* **damage \$22 million**

## **3. THE GREAT MIAMI HURRICANE**

- \* **September 18, 1926**
- \* **Miami, Florida**
- \* **category 4 at landfall**
- \* **Second, weaker landfall September 20<sup>th</sup> near Pensacola, Florida**
- \* **pressure 27.46" (930 mb) at landfall**

- \* damage \$105 million
- \* 373+ deaths and 6,381 injuries

#### **4. THE LAKE OKEECHOBEE FLORIDA CATASTROPHE**

- \* September 16, 1928
- \* landfall near Palm Beach, Florida
- \* Category 4 at landfall
- \* Category 5 landfall in Puerto Rico on September 13th
- \* Hurricane force winds produced 6-9 storm surge on lake Okeechobee!
- \* pressure 27.43" (929 mb) at landfall
- \* 2500+ deaths
- \* damage \$32 million

#### **5. THE GREAT FLORIDA KEYS LABOR DAY STORM**

- \* September 3, 1935
- \* Florida Keys
- \* category 5 at landfall, first time in recorded U.S. history
- \* pressure 26.35" (892 mb) at landfall
- \* damage \$6 million
- \* 423 deaths
- \* most intense hurricane to strike the U.S. on record
- \* third lowest observed pressure of any recorded Atlantic hurricane

#### **6. THE GREAT LONG ISLAND / NEW ENGLAND HURRICANE**

- \* September 21, 1938
- \* Long Island New York/New England
- \* 600 deaths
- \* category 3 at landfall
- \* pressure 27.94" (946 mb) at landfall
- \* damage \$308 million

#### **7. HURRICANE "CAROL"**

- \* August 31, 1954
- \* Long Island New York/New England states
- \* 60 deaths
- \* category 3 at landfall

- \* pressure 28.35" (960 mb) at landfall
- \* damage \$461 million

## **8. HURRICANE "EDNA"**

- \* September 11, 1954
- \* Extreme eastern New England
- \* deaths ?
- \* category 3 at landfall
- \* pressure 28.17" (954 mb) at landfall
- \* damage ?

## **9. HURRICANE "HAZEL"**

- \* October 15, 1954
- \* South Carolina/North Carolina north to Pennsylvania
- \* 95 deaths
- \* category 4 at landfall
- \* pressure 27.70" (938 mb) at landfall
- \* damage \$281 million
- \* record three major hurricanes in a row to strike the U.S. in less than two months

## **10. HURRICANE "DIANE"**

- \* August 17, 1955
- \* North Carolina/northeast U.S.
- \* 184 deaths
- \* category 2 at landfall
- \* pressure 28.02" (949 mb) at landfall
- \* damage \$831 million
- \* most deaths were due to devastating floods in the northeast U.S.

## **11. HURRICANE "AUDREY"**

- \* June 27, 1957
- \* southwest Louisiana
- \* 400-500 deaths
- \* category 4 at landfall
- \* pressure 27.91" (945 mb) at landfall
- \* damage \$150 million
- \* deadliest hurricane in June on record in the U.S.

## 12. HURRICANE "DONNA"

- \* September 10, 1960
- \* Florida
- \* 50 deaths
- \* category 4 at landfall
- \* pressure 27.46" (930 mb) at landfall
- \* damage \$387 million

## 13. HURRICANE "CARLA"

- \* September 11, 1961
- \* Texas (remnants tracked to near Chicago)
- \* 46 deaths
- \* category 4 at landfall
- \* pressure 27.49" (931 mb) at landfall
- \* damage \$408 million
- \* dumped about 4 inches of rain at Milwaukee September 12-13

## 14. HURRICANE "BETSY"

- \* September 8-9, 1965
- \* southeast Florida/southeast Louisiana
- \* 75 deaths
- \* category 3 at landfall
- \* pressure 27.99" (948 mb) at landfall
- \* damage \$1.4 billion
- \* first hurricane to inflict **billion** dollar damage

## 15. HURRICANE "BEULAH"

- \* September 20, 1967
- \* South Texas
- \* 15 deaths
- \* category 3 at landfall
- \* pressure 28.05" (950 mb) at landfall
- \* damage \$350 million
- \* produced record 118 tornadoes by a hurricane across South Texas (most were weak)

## 16. HURRICANE "CAMILLE"

- \* August 17-19, 1969
- \* Mississippi/southeast Louisiana northeast to Virginia
- \* 256 deaths
- \* category 5 at landfall
- \* pressure 26.84" (909 mb) at landfall
- \* damage \$1.4 billion
- \* remnants dumped 27 inches of rain in less than 24 hours in Virginia
- \* the second most intense hurricane on record at landfall
- \* only the second hurricane to reach category 5 at landfall in the U.S.
- \* nearly half the deaths were due to catastrophic flooding in the Appalachians

### **17. HURRICANE "AGNES"**

- \* June 19-22, 1972
- \* Florida panhandle/northeast U.S.
- \* 122 deaths
- \* category 1 at landfall
- \* pressure 28.86" (977 mb) at landfall
- \* damage \$2.1 billion
- \* most deaths were due to catastrophic flooding in New York / Pennsylvania

### **18. HURRICANE "HUGO"**

- \* September 21, 1989
- \* South Carolina
- \* 21 deaths
- \* category 4 at landfall
- \* pressure 27.58" (934 mb) at landfall
- \* damage \$7 billion
- \* the third costliest hurricane on record in the U.S.

### **19. HURRICANE "ANDREW"**

- \* August 24-26, 1992
- \* southeast Florida/southern Louisiana
- \* 23 deaths
- \* category 5 at landfall
- \* pressure 27.23" (922 mb) at landfall
- \* damage \$26.5 billion
- \* the costliest hurricane on record in the U.S.
- \* the third most intense hurricane at landfall to hit the U.S.

## **20. HURRICANE "FRAN"**

- \* September 5-6, 1996
- \* North Carolina / Virginia north to Pennsylvania
- \* 27 deaths
- \* category 3 at landfall
- \* pressure 28.32" (954 mb) at landfall
- \* damage \$3.2 billion
- \* the fourth costliest hurricane on record in the U.S.

## **21. HURRICANE "FLOYD"**

- \* September 16, 1999
- \* landfall near Cape Fear, North Carolina as category 2 hurricane
- \* 56 deaths, most due to flooding
- \* pressure 28.17" (959 mb) at landfall
- \* damage \$3-6 billion mainly from flooding

## **22. HURRICANE "ISABEL"**

- \* September 18, 2003
- \* landfall near Cedar Island, North Carolina as category 2 hurricane
- \* pressure 28.45" (963 mb) at landfall
- \* 17 deaths
- \* damage \$3+ billion

## **23. HURRICANE "CHARLEY"**

- \* August 13, 2004
- \* Entire west coast of Florida
- \* 24 deaths
- \* 792 injuries
- \* category 4 at landfall
- \* pressure 27.79" (941 mb) at landfall
- \* damage \$11.2 billion
- \* the second costliest hurricane on record in the U.S.

## **24. HURRICANE "FRANCES"**

- \* September 5-6, 2004
- \* landfall near Stuart, Florida as a category 2 hurricane

- \* Secondary landfall as tropical storm near Apalachicola
- \* 7 deaths
- \* pressure 28.35" (960 mb) at landfall
- \* damage \$8.9 billion

## **25. HURRICANE "IVAN"**

- \* September 13-16, 2004
- \* Western Panhandle of Florida and Alabama Gulf Coast
- \* 14 deaths
- \* 16 injuries
- \* category 3 at landfall
- \* pressure 27.85" (943 mb) at landfall
- \* damage \$4.5 billion
- \* One of the most damaging hurricanes to affect the extreme western Florida Panhandle in modern history.

## **26. HURRICANE "JEANNE"**

- \* September 26, 2004
- \* landfall near Stuart, Florida
- \* category 3 at landfall
- \* pressure 28.11" (952 mb) at landfall
- \* damage \$6.9 billion
- \* 5 deaths
- \* landfall was same location as hurricane Frances just a few weeks earlier, first and only in recorded history

## **27. HURRICANE "DENNIS"**

- \* July 10, 2005
- \* landfall near Navarre Beach, Florida as a category 3 hurricane
- \* pressure 27.94" (946 mb) at landfall
- \* damage \$2.23 billion
- \* 3 deaths

## **28. HURRICANE "KATRINA"**

- \* August 29, 2005
- \* 2<sup>nd</sup> landfall near Buras, Louisiana as a category 3 hurricane

- \* 1<sup>st</sup> landfall was near Miami, Florida as a category 1 hurricane.
- \* pressure 27.17" (920 mb) at Louisiana landfall
- \* damage \$100+ billion
- \* 1500+ fatalities
- \* The worst natural disaster in U.S. history from combination of significant loss of property and human life

## **29. HURRICANE "RITA"**

- \* September 24, 2005
- \* landfall near Johnson's Bayou, Louisiana
- \* category 3 at landfall
- \* pressure 27.67" (937 mb) at landfall
- \* 4<sup>th</sup> lowest pressure observed in an Atlantic hurricane (895 mb)
- \* damage about \$10 billion
- \* Prompted one of the largest evacuation events in preparation for landfall
- \* 7 deaths

## **30. HURRICANE "WILMA"**

- \* October 24, 2005
- \* landfall near Naples, Florida
- \* category 3 at landfall
- \* pressure 28.23" (956 mb) at landfall
- \* Lowest Atlantic hurricane pressure ever recorded (882 mb over Caribbean)
- \* damage \$20.6 billion, 3<sup>rd</sup> costliest in U.S. history (behind Katrina and Andrew)
- \* 6 deaths

## **31. HURRICANE "IKE"**

- \* September 12-13, 2008
- \* landfall near Galveston, Texas
- \* category 2 at landfall
- \* pressure 28.99" (982 mb) at landfall
- \* damage \$6.9 billion
- \* 20 deaths
- \* continued to produce significant wind damage and flooding in the following days up into the Ohio Valley