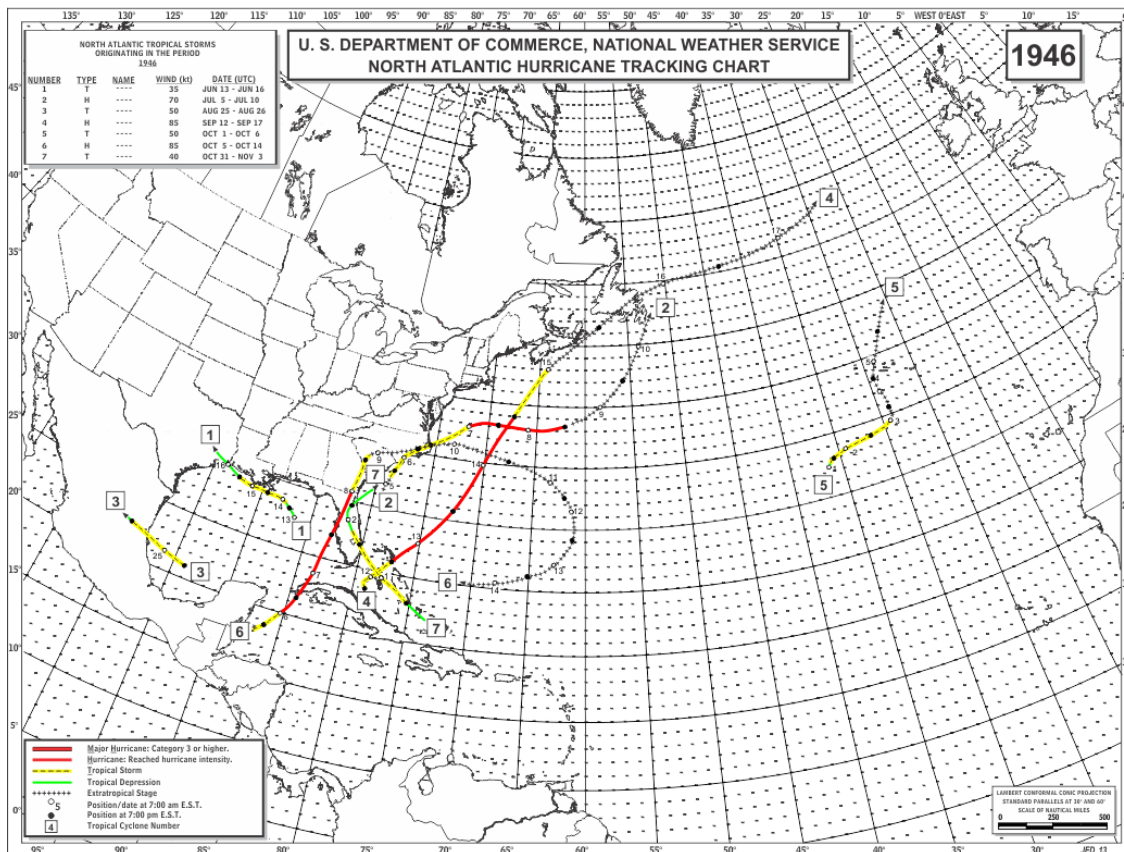


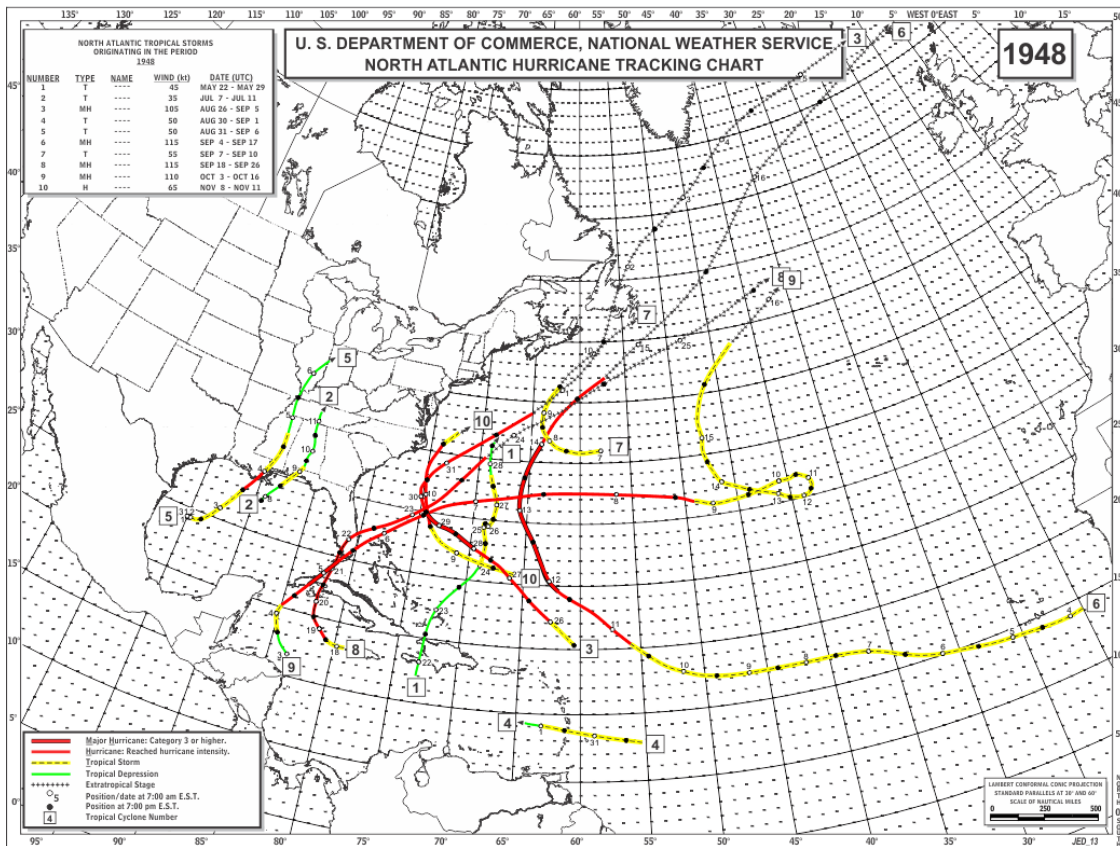
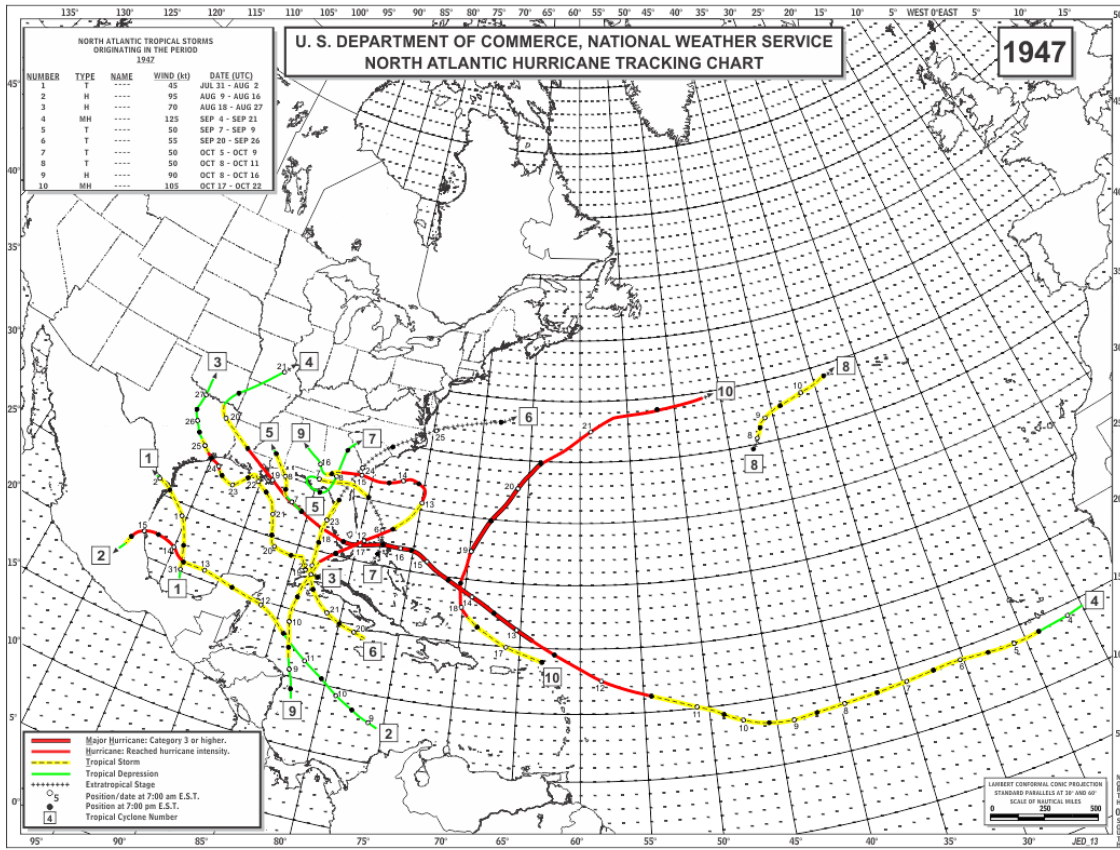


## RE-ANALYSIS OF 1946 TO 1950 ATLANTIC HURRICANE SEASONS COMPLETED

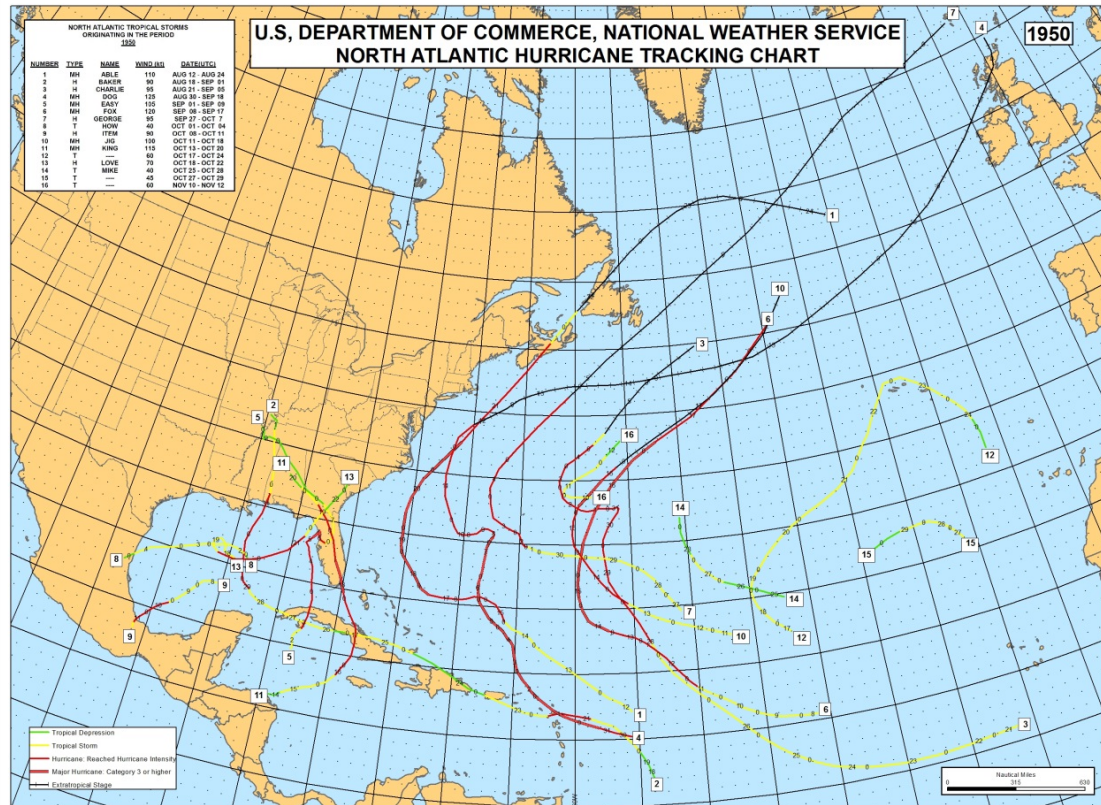
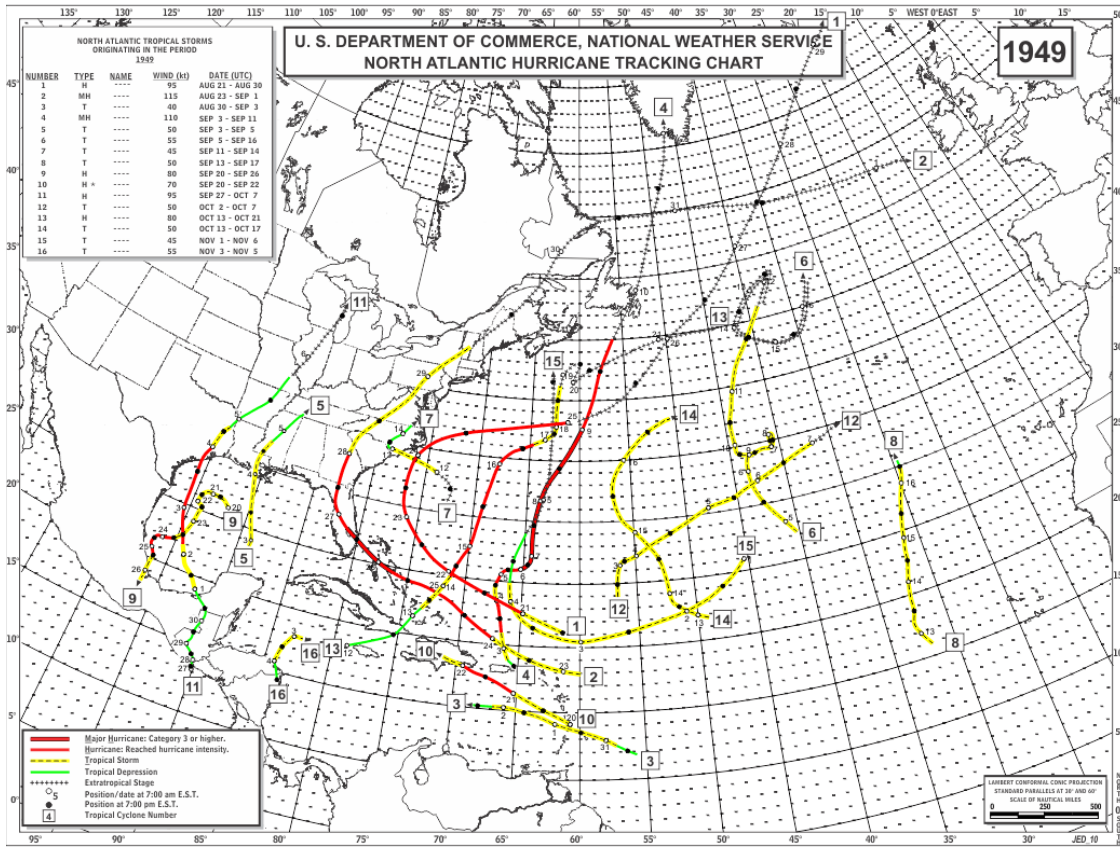
A complete re-analysis of the Atlantic hurricane database (HURDAT) was conducted for the 1946 to 1950 seasons.

1946 to 1950 was an active period for hurricanes with 13 striking the continental United States, whereas an average five year span would have about nine U.S. hurricane impacts. Five of the 13 were major hurricane status – Category 3, 4, or 5 on the Saffir-Simpson Hurricane Wind Scale – at U.S. landfall and all five struck Florida. These was a Category 4 hurricane in Fort Lauderdale in 1947, a Category 4 hurricane in Everglades City in 1948, a Category 4 hurricane in Lake Worth in 1949, Category 3 Hurricane Easy in Cedar Key in 1950, and Category 4 Hurricane King in Miami in 1950. Of these, King as well as the 1948 and 1949 hurricanes were upgraded from a Category 3 to a Category 4 based upon the reanalysis. Having five major hurricanes making landfall in Florida is a record for a five year period, equaled only by the early 2000s. In addition, nine new tropical storms were discovered and added into the database for this five year period.









Revisions to the hurricane database were accomplished by obtaining the original observations collected – mainly by ships, weather stations, and the early Hurricane Hunter Navy and Army Air Force aircraft reconnaissance planes – and assessing the storms based upon our understanding of hurricanes today. The reanalysis also allowed “discovering” of tropical storms and hurricanes that occurred, but were not yet officially recognized as such in the official records.

Andrew Hagen, Donna Sakoskie, Daniel Gladstein, Sandy Delgado, Astryd Rodriguez, Chris Landsea and the NHC Best Track Change Committee all made substantial contributions toward the reanalysis of these hurricane seasons. This research is supported in part by the NOAA Climate Program Office.

**NOAA Hurricane Re-analysis Project:** [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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