



Reanalysis of the 1966 to 1970 Atlantic Hurricane Seasons

Fourteen new tropical storms discovered

The 1966 to 1970 Atlantic hurricane seasons have been reanalyzed. Revisions to the hurricane database were accomplished by obtaining the original observations collected - mainly by ships, weather stations, the Hurricane Hunter Navy, Air Force, and Environmental Science Services Administration (ESSA was the predecessor to NOAA, the National Oceanic and Atmospheric Administration), aircraft reconnaissance planes, and the earliest available satellite images - and assessing the systems based upon our understanding of tropical cyclones today. The reanalysis also allowed "discovering" of tropical storms and hurricanes that occurred but were not yet recognized as such in the official records.

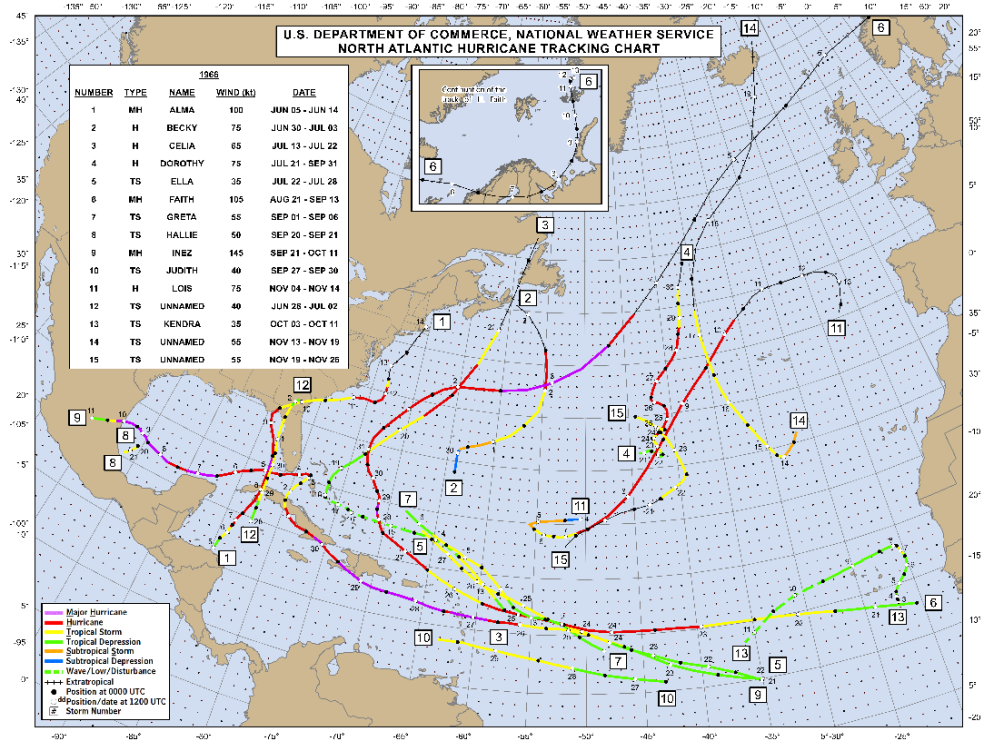
Some of the highlights of the revisions made to the database include:

- 14 new tropical storms were discovered during these five hurricane seasons and have been added to the database.
- Additionally, two new hurricanes were diagnosed in 1970, which previously were only considered to be a tropical depression (AL151970) and a tropical storm (AL081970).
- On the flip side, two major hurricanes in 1969 - Francelia (AL131969) and Inga (AL201969) were downgraded to a category 2 hurricane on the Saffir-Simpson Hurricane Wind Scale.
- For U.S. hurricanes, Alma of 1966 (AL011966) was upgraded from a Category 2 to a Category 3 hurricane in southwest Florida, Inez of 1966 (AL091966) was upgraded from a Category 1 to a Category 2 hurricane in South Florida, Celia of 1970 (AL041970) was upgraded from a Category 3 to a Category 4 hurricane in lower Texas, and Gerda of 1969 (AL161969) was downgraded from a Category 1 hurricane to a tropical storm in Maine.

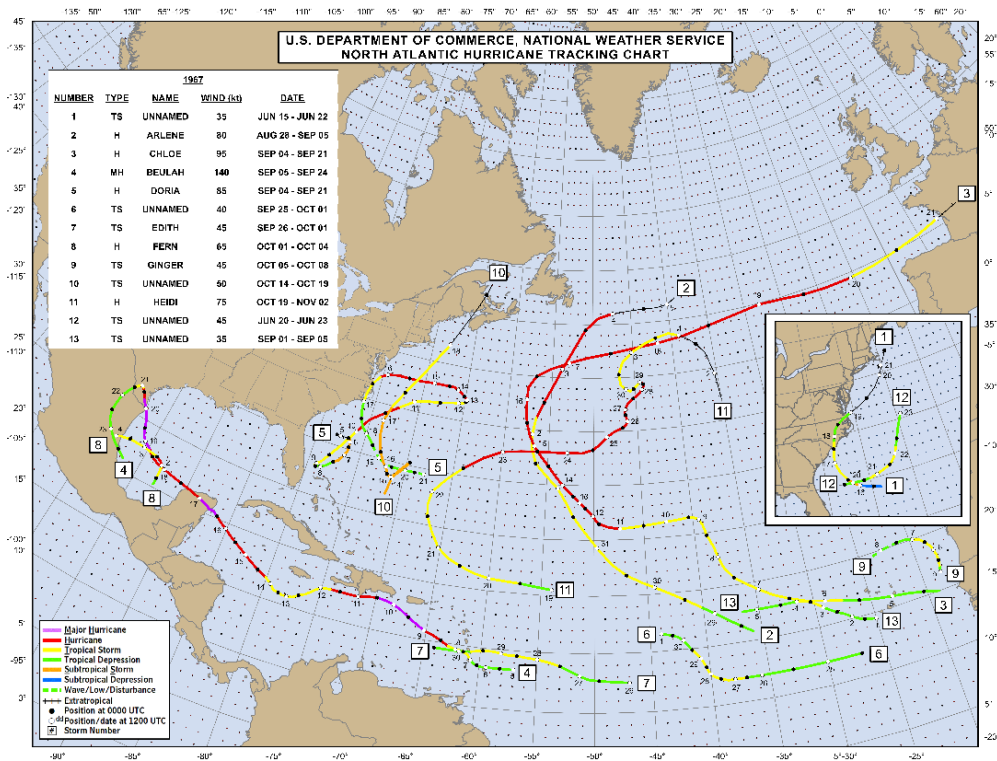
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NOAA Hurricane Re-analysis Project: http://www.aoml.noaa.gov/hrd/data_sub/re_anal.html

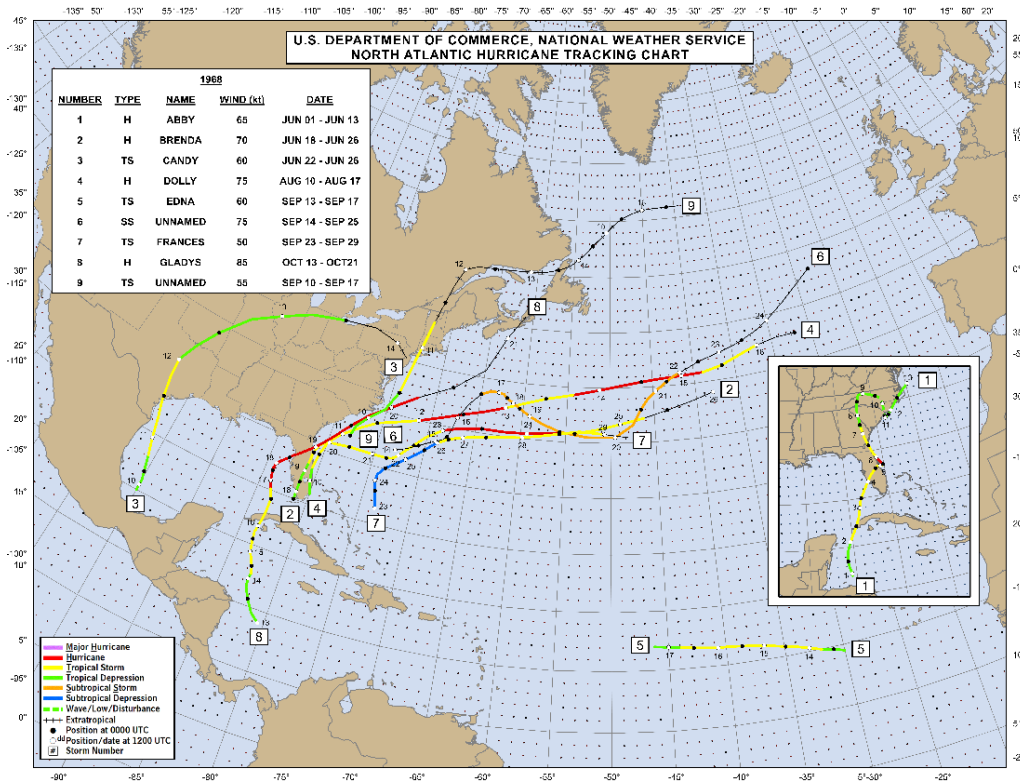
HURDAT2 file: <https://www.nhc.noaa.gov/data/#hurdat>



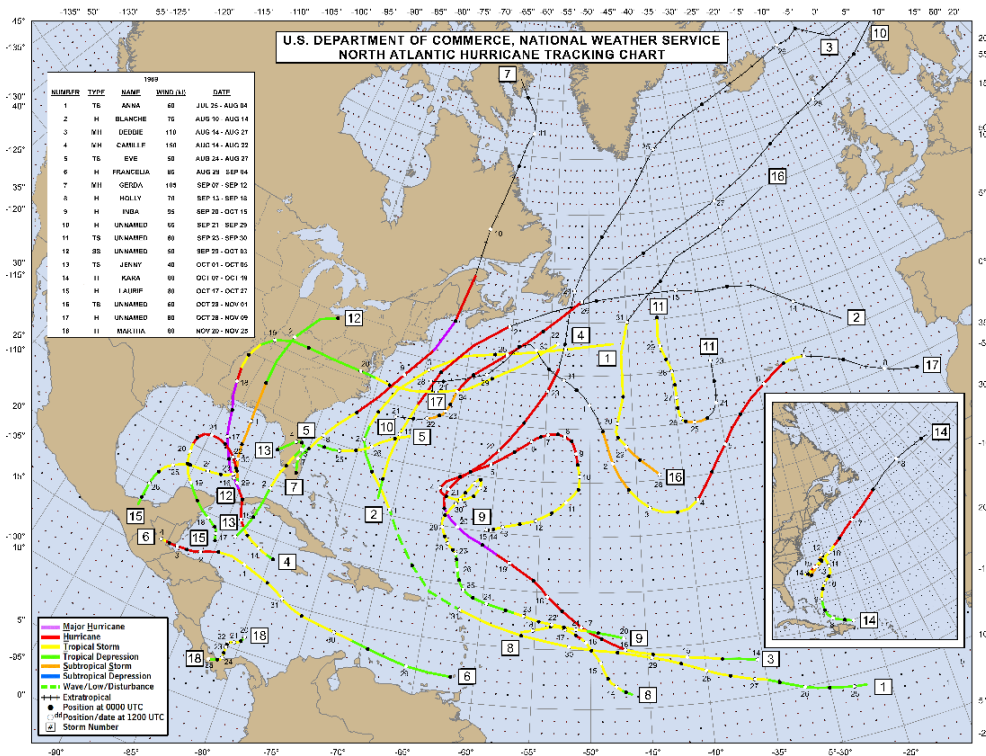
Revised 1966 North Atlantic Tropical Storms, Subtropical Storms, and Hurricanes



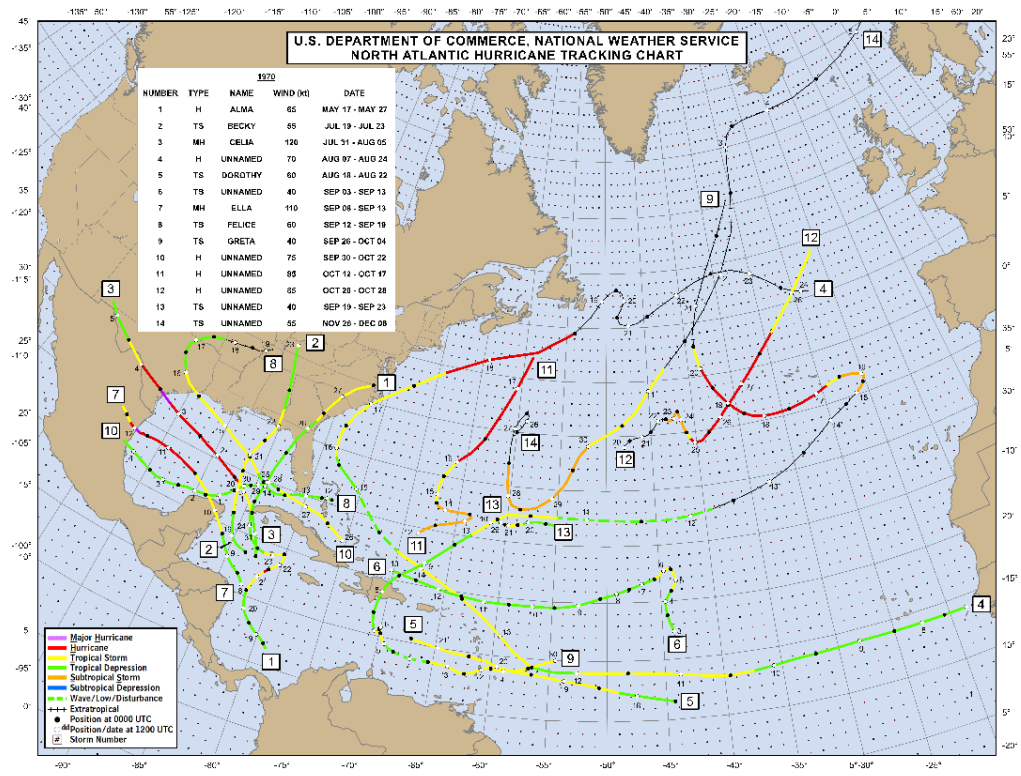
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