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# NORTH ATLANTIC TROPICAL CYCLONES

## Tracks and Frequencies of Hurricanes and Tropical Storms 1886–1958

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Office of Climatology

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# NORTH ATLANTIC TROPICAL CYCLONES

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## INTRODUCTION

The primary purpose of this publication is to consolidate the records of seasonal and chronological occurrences of tropical cyclones in the North Atlantic Ocean. Tropical cyclone tracks are shown in three series of charts, and information on storm frequencies is given in tables and figures.

The charts show: (A) tracks of all known tropical cyclones of tropical storm intensity (sustained winds 39 m.p.h. or over) occurring in each year 1886 through 1958, inclusive; (B) tracks of tropical cyclones beginning in each 10-day period during the six months of maximum frequency, June through November, for the years 1886 through 1958; and (C) tracks of tropical cyclones beginning in each decade of years, 1891-1950, during the months June, July, and November, and during each 10-day period in August, September, and October. Charts covering the off-season (December through May) are included in series (B) and (C), and partial decadal charts covering 1886-1890 and 1951-1958 are included in series (C).

## DATA SOURCES AND RELIABILITY

Data from several sources have been adapted and combined to obtain the final tracks shown here. The bulk of these data was extracted from the various volumes of the Monthly Weather Review. Monthly reports of tropical storm activity and the tracks of each storm appear in most volumes; annual summaries in most years after 1922; and numerous research papers discussing conditions in individual storms have been included from time to time. Discussions of each hurricane season since 1950 are also published in the annual issues of Climatological Data National Summary. These basic sources were supplemented by earlier works on hurricane chronology. The principal studies used include those of Garriott[3] for storm tracks through 1900; Fassig[2] for tracks through 1911; Cline[1] for several storm tracks during the years 1900-1924; Mitchell[4,5] whose comprehensive work included tracks through 1932; and Tannehill[7] for tracks during the years 1901-1955. In addition to this published material, original reports from the Hurricane Forecast Centers were available for the past 15 years, and sets of unpublished tracks prepared at Weather Bureau Office, New Orleans[12] and by Tingley [8] provided additional information.

Variations in track positions, up to 100 miles or more in exceptional cases, were noted for several storms shown in more than one reference, especially before 1920. Therefore, tracks of all storms considered to have tropical characteristics in each publication were compared with the maps of the Daily Synoptic Series, Historical Weather Maps [9,10,11]. The most consistent positions and intensities were incorporated in a set of annual track charts. These charts were reviewed at the Hurricane Forecast Centers, National Hurricane Research Project, and Extended Forecast Section. These reviews utilized all position data available to these offices. The most accurate and consistent locations possible were thus determined for the final chart series, but the precise locations and intensities of some tropical cyclones, particularily in the earlier years and over the open ocean, were impossible to determine. The network of meteorological stations in the hurricane region was limited and ship reports were not numerous, so that storm positions sometimes had to be estimated from indications observed at stations far from the storm center. This accounts for much of the variation in storm positions.

Improvements in the determination of storm locations have accrued as additional observational networks and im-

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proved technical equipment have been developed. The use of aircraft reconnaissance, first undertaken by the U.S. Army Air Corps in 1943, and later by both the U.S. Air Force and U.S. Navy, has proven especially important for earlier storm detection and more accurate storm tracking. The development of storm tracking radar, also in the same decade, has further increased observational capabilities. Observations at various levels within the storm, possible routinely only from aircraft, have provided additional information both for operational tracking and for research directed toward a complete understanding of the physical mechanisms of tropical cyclones. These techniques are especially valuable in some large ocean areas where surface data are rare or completely missing at times.

# TROPICAL CYCLONE TRACKS

## STORM TRACK REPRESENTATION

A determination has been made of the daily intensity of each tropical cyclone since 1899, the years for which daily analyses of weather conditions were available, and each track has been drafted to indicate the current intensity. Although detailed data are not abundant for the early years of this century, estimates of the stages in the life cycle of each storm have been based on all available information. The precise locations of intensity changes cannot always be determined with unquestioned accuracy but an indication of the locations and times of changes in the intensity and characteristics was believed to be of major importance in depicting tropical cyclone activity.

The tracks in most previous studies show only that each tropical cyclone was believed to have reached hurricane intensity at some point along its path, or that it did not reach that force. In general, no indication was included of the specific areas in which hurricane force winds were observed, or where modifications

TABLE 1.-Intensity Stages for Tropical Cyclones 1899-1958

| STAGE | CRITERIA |
|---|---|
| Development | Closed circulation, sustained winds 38 m.p.h. or lower (1951-1958 only). |
| Tropical Storm | Closed circulation, sustained winds 39 m.p.h. to 73 m.p.h.; (Beaufort forces 8-11). Winds may be below 39 m.p.h. in portions of some storms prior to 1951. |
| Hurricane | Sustained winds 74 m.p.h. or higher (Beaufort force 12 and above). |
| Extratropical* | Tropical cyclone modified by interaction with non-tropical air. In some cases, winds may remain above hurricane force. |
| Dissipation | Closed circulation, sustained winds 38 m.p.h. or lower. |

* The uniform surface temperature and moisture features of low latitude tropical cyclones are usually modified as they move northward. Colder, drier air enters the tropical circulation, the area of gale winds expands, and wind speeds usually decrease. Many features of an extratropical storm develop but tropical features (remnants of an eye, concentrated high winds near the center, and heavy rainfall) may be retained for 24 hours or more. Set rules cannot be established for the location of the transition point, because conditions vary greatly from storm to storm. The points shown here indicate that modification is well advanced in the area indicated. A discussion of the changes in the New England storm of 1938 is given by Pierce [6].

of the physical structure occurred, or the length of time a storm was of hurricane force.

No attempt has been made to divide the storm tracks into intensity stages during 1886-1898 because of more stringent data limitations. The intensity stages shown for the other years are given in table 1.

Positions of storm centers at 7 a.m. EST (1200 GMT) on each day are shown on all charts as open circles; positions at 7 p.m. EST (0000 GMT) are indicated, after 1930, on the annual charts and the decadal charts by solid circles.

## ORIGINS

Most tropical cyclones develop in remote sections of the ocean, areas where weather observations are not generally available on a regular basis. During the early stages of development the organized storm circulation covers only a small area in a larger region of squally, disturbed conditions. The tracks indicated in the literature appear to have been started from the point where some evidence of an organized circulation or high winds was first observed. Usually this is not the point of original formation. In some cases it was where a fully developed hurricane was encountered, in others where reports only of unusual wind velocities and unsettled weather indicated the formation of a disturbance. Thus, the origins shown cannot be considered as showing the same conditions in each case. In the determination of the storm origins shown here, some additional information indicating origins at times and places differing from the previously published tracks was found and adjustments were made in several tracks. The exact region of initial storm development could not be precisely determined for all storms, because of meager data, and the locations shown are, in general, the areas where storm conditions were first encountered.

## MOVEMENTS

The path of each tropical cyclone is determined by the wind currents in the atmospheric layer from the surface to above 50,000 ft. surrounding the area where the storm is located. These currents are, in turn, influenced by the large-scale atmospheric circulation over a broad area. A majority of all tropical cyclones moves initially in a westerly direction. Three general types of storm movements may be distinguished: westward, recurving, and eastward.

Many westward-moving storms remain at low latitudes, continue to the coasts of the United States or Mexico, pass inland, and dissipate. Some of these westward-moving storms begin to drift northward in the first stage of recurvature but dissipate before the process has been completed.

Most storms drift northward as they are carried along by the easterly winds of lower latitudes. After varying periods of time, these storms move far enough to the north to pass out of the area dominated by easterly winds and approach areas of westerly winds. The storms are then carried eastward and are classified as recurving storms. The point of recurvature is considered to be the most westerly position reached by the storm center. Only those storms which have subsequent positions to the east of the most westerly point reached are included in this recurvature category.

A number of tropical cyclones which develop in the western Caribbean or in the Gulf of Mexico (and occasionally over the Atlantic) are under the influence of westerly winds from inception and move in an eastward direction throughout their course.

Erratic storm movements are not uncommon, and many tracks describe irregular paths, including complete loops or abrupt changes in direction of movement. These

TABLE 2.-General Tropical Cyclone Movements, 1886-1958

| | Westward | Recurve | Eastward | Total |
|---|---|---|---|---|
| All Tropical Cyclones | 197 | 303 | 81 | 581 |
| Percent of Total | 34 | 52 | 14 | |
| Annual Mean | 2.70 | 4.16 | 1.10 | 7.96 |
| Hurricanes Only | 99 | 219 | 21 | 339 |
| Percent of Total | 29 | 65 | 6 | |
| Annual Mean | 1.35 | 3.00 | 0.29 | 4.64 |

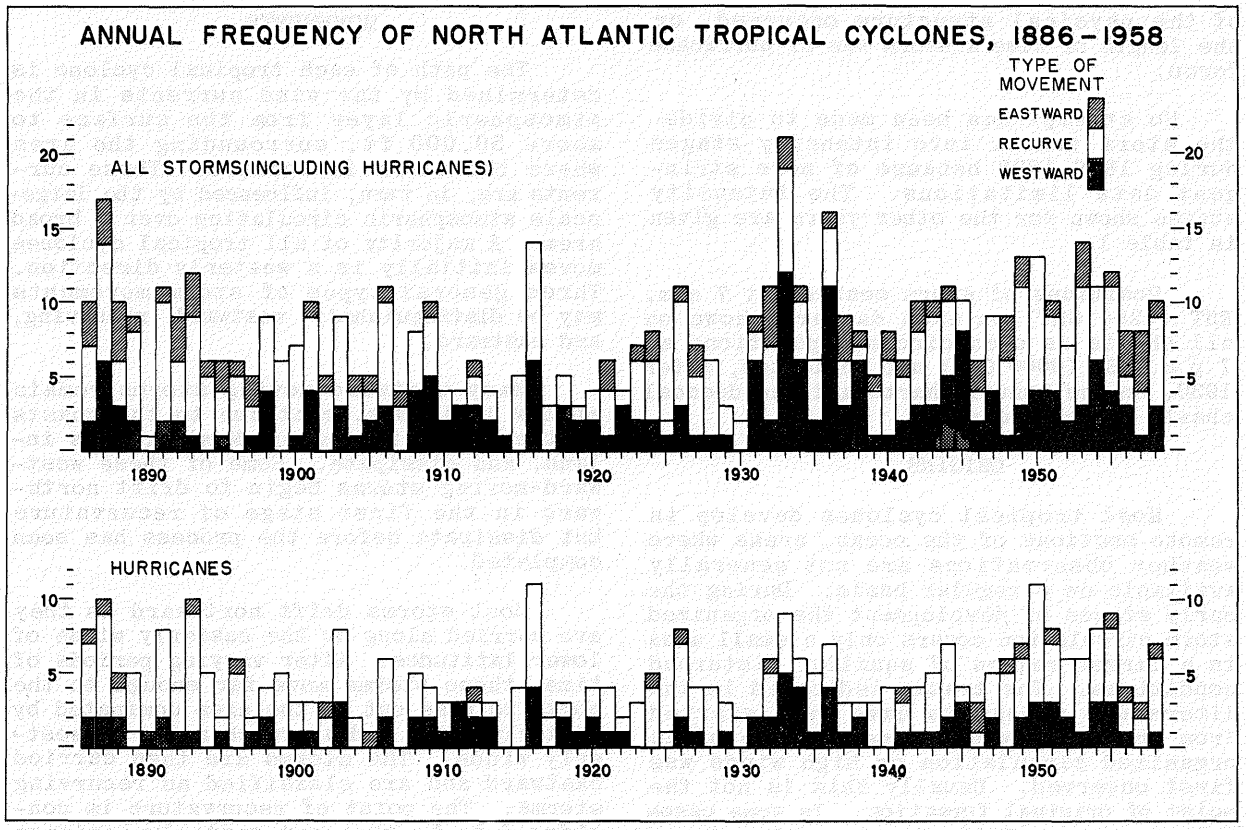


Figure 1.

changes usually occur as the storm passes through areas of light and variable winds characteristic of the transitional zone between the low-latitude easterlies and the middle-latitude westerlies. These smaller-scale motions have not been considered in determining the general movement groupings, which are shown in table 2 and figure 1.

### MERGERS

Many of the published tracks reviewed appear to have been carried beyond regions where apparent mergers of tropical cyclones with more intense extratropical Lows took place. General weakening and dispersion of the strong winds and symmetrical pressure pattern around a tropical cyclone usually occur as the storm moves inland or over ocean areas of cooler water temperatures. In these areas the principal energy source of the storm - the warm water of the subtropical ocean - is removed. The organized circulation dissipates completely in many cases, or the remnants may become part of the circulation around an active extratropical Low moving into the area. In this latter case the tropical cyclone contributes energy to the dominant Low but the organized tropical circulation breaks down. In this study the tracks have been carried only to the area where these mergers appear to have occurred.

Some tropical cyclones acquire the characteristics of extratropical storms but do not merge with existing Lows. These storms have been tracked throughout the extratropical stage.

## TROPICAL CYCLONE FREQUENCIES

### ANNUAL

During the 73 years since 1886, a total of 581 tropical cyclones, an average of nearly 8 per year, has been detected and tracked over the North Atlantic Ocean and adjacent land areas. Of this number 339 were of known or estimated hurricane

Table 3. - Monthly and annual frequencies of North Atlantic tropical cyclones, 1886-1958.

| | FEB. | | MARCH | | MAY | | JUNE | | JULY | | AUG. | | SEPT. | | OCT. | | NOV. | | DEC. | | ANNUAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | T | H | T | H | T | H | T | H | T | H | T | H | T | H | T | H | T | H | T | H | T | H | TOTAL |
| 1886 | | | | | | | 1 | 2 | | 1 | | 2 | | 2 | 1 | 1 | | | | | 2 | 8 | 10 |
| 1887 | | | | | 1 | | | | 1 | 1 | | 2 | | 3 | 4 | 2 | | 1 | 1 | 1 | 7 | 10 | 17 |
| 1888 | | | | | | | | 1 | 1 | | | 2 | 2 | | | 1 | 2 | 1 | | | 5 | 5 | 10 |
| 1889 | | | | | | 1 | 1 | | | | | 1 | 2 | 3 | 1 | | | | | | 4 | 5 | 9 |
| 1890 | | | | | | | | | | | | 1 | | | | | | | | | | 1 | 1 |
| 1891 | | | | | | | | | | 1 | | 2 | | 3 | 2 | 2 | 1 | | | | 3 | 8 | 11 |
| 1892 | | | | | | | 1 | | | | | 1 | 2 | 2 | 2 | 1 | | | | | 5 | 4 | 9 |
| 1893 | | | | | | | | 1 | | 1 | | 5 | | 3 | 1 | | 1 | | | | 2 | 10 | 12 |
| 1894 | | | | | | | | | | | 1 | 1 | | 1 | | 3 | | | | | 1 | 5 | 6 |
| 1895 | | | | | | | | | | | 1 | 1 | 1 | | 2 | 1 | | | | | 4 | 2 | 6 |
| 1896 | | | | | | | | | | 1 | | 1 | | 2 | | 2 | | | | | | 6 | 6 |
| 1897 | | | | | | | | | | | | 1 | 1 | 1 | 2 | | | | | | 3 | 2 | 5 |
| 1898 | | | | | | | | | | | | 2 | 3 | 2 | 2 | | | | | | 5 | 4 | 9 |
| 1899 | | | | | | | | | | 1 | | 2 | | 1 | 1 | 1 | | | | | 1 | 5 | 6 |
| 1900 | | | | | | | | | | | | 1 | 1 | 2 | 3 | | | | | | 4 | 3 | 7 |
| 1901 | | | | | | | 1 | | 1 | 1 | | 2 | 3 | | 2 | | | | | | 7 | 3 | 10 |
| 1902 | | | | | | | 1 | 1 | | | | | | 1 | | 1 | 1 | | | | 2 | 3 | 5 |
| 1903 | | | | | | | | | | 1 | | 1 | 1 | 3 | | 2 | | 1 | | | 1 | 8 | 9 |
| 1904 | | | | | | | 1 | | | | | | | 1 | 2 | 1 | | | | | 3 | 2 | 5 |
| 1905 | | | | | | | | | | | | | 3 | | 1 | 1 | | | | | 4 | 1 | 5 |
| 1906 | | | | | | | 1 | 1 | | | | 1 | 1 | 2 | 2 | 2 | 1 | | | | 5 | 6 | 11 |
| 1907 | | | | | | | 1 | | | | | | 2 | | 1 | | | | | | 4 | | 4 |
| 1908 | | | 1 | | | | | | | 1 | 1 | | 1 | 2 | 1 | 1 | | | | | 3 | 5 | 8 |
| 1909 | | | | | | | 2 | | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | | | | 6 | 4 | 10 |
| 1910 | | | | | | | | | | | 1 | | | 2 | | 1 | | | | | 1 | 3 | 4 |
| 1911 | | | | | | | | | | | | 2 | | 1 | 1 | | | | | | 1 | 3 | 4 |
| 1912 | | | | | | | 1 | | 1 | | | | | 1 | | 2 | | 1 | | | 2 | 4 | 6 |
| 1913 | | | | | | | | 1 | | | | 1 | | 1 | 1 | | | | | | 1 | 3 | 4 |
| 1914 | | | | | | | | | | | | | 1 | | | | | | | | 1 | | 1 |
| 1915 | | | | | | | | | 1 | | | 2 | | 2 | | | | | | | 1 | 4 | 5 |
| 1916 | | | | | | | | 1 | | 2 | | 3 | 2 | 2 | 1 | 2 | | 1 | | | 3 | 11 | 14 |
| 1917 | | | | | | | | | | | 1 | 1 | | 1 | | | | | | | 1 | 2 | 3 |
| 1918 | | | | | | | | | | | 1 | 2 | 1 | 1 | | | | | | | 2 | 3 | 5 |
| 1919 | | | | | | | | | 1 | | | | | 1 | | | 1 | | | | 2 | 1 | 3 |
| 1920 | | | | | | | | | | | | | | 4 | | | | | | | | 4 | 4 |
| 1921 | | | | | | | | 1 | | | | | 1 | 2 | 1 | 1 | | | | | 2 | 4 | 6 |
| 1922 | | | | | | | 1 | | | | | | | 1 | 1 | 1 | | | | | 2 | 2 | 4 |
| 1923 | | | | | | | | | | | | 1 | | 1 | 4 | 1 | | | | | 4 | 3 | 7 |
| 1924 | | | | | | | 1 | | | | | 2 | 1 | 1 | 1 | 1 | | 1 | | | 3 | 5 | 8 |
| 1925 | | | | | | | | | | | | | 1 | | | | | 1 | | | 1 | 1 | 2 |
| 1926 | | | | | | | | | | 1 | | 2 | 1 | 4 | 1 | 1 | 1 | | | | 3 | 8 | 11 |
| 1927 | | | | | | | | | | | | 1 | | 3 | 3 | | | | | | 3 | 4 | 7 |
| 1928 | | | | | | | | | | | | 2 | 2 | 1 | | 1 | | | | | 2 | 4 | 6 |
| 1929 | | | | | | | | 1 | | | | | | 1 | | 1 | | | | | | 3 | 3 |
| 1930 | | | | | | | | | | | | 2 | | | | | | | | | | 2 | 2 |
| 1931 | | | | | | | 1 | | 1 | | 2 | | 1 | 2 | 1 | | 1 | | | | 7 | 2 | 9 |
| 1932 | | | | | 1 | | | | | | | 3 | 2 | 1 | 2 | 1 | | 1 | | | 5 | 6 | 11 |
| 1933 | | | | | 1 | | | 1 | 2 | 1 | 4 | 3 | 2 | 3 | 2 | 1 | 1 | | | | 12 | 9 | 21 |
| 1934 | | | | | 1 | | | 1 | | 1 | 1 | 1 | 1 | 1 | 2 | 1 | | 1 | | | 5 | 6 | 11 |
| 1935 | | | | | | | | | | | 1 | 2 | | 1 | | 2 | | | | | 1 | 5 | 6 |
| 1936 | | | | | | | 2 | 1 | 1 | 1 | 3 | 3 | 2 | 2 | 1 | | | | | | 9 | 7 | 16 |
| 1937 | | | | | | | | | 1 | | 2 | | 3 | 3 | | | | | | | 6 | 3 | 9 |
| 1938 | | | | | | | | | | | 1 | 2 | | 1 | 3 | | 1 | | | | 5 | 3 | 8 |
| 1939 | | | | | | | 1 | | | | | 1 | 1 | | | 2 | | | | | 2 | 3 | 5 |
| 1940 | | | | | 1 | | | | | | | 3 | 1 | 1 | 2 | | | | | | 4 | 4 | 8 |
| 1941 | | | | | | | | | | | | | 1 | 3 | 1 | 1 | | | | | 2 | 4 | 6 |
| 1942 | | | | | | | | | | | | 3 | 3 | | 3 | | | 1 | | | 6 | 4 | 10 |
| 1943 | | | | | | | | | | 1 | 1 | 1 | 2 | 2 | 2 | 1 | | | | | 5 | 5 | 10 |
| 1944 | | | | | | | | | 1 | 2 | 1 | 1 | 1 | 3 | 1 | 1 | | | | | 4 | 7 | 11 |
| 1945 | | | | | | | | 1 | 1 | | 3 | 1 | 2 | 1 | | 1 | | | | | 6 | 4 | 10 |
| 1946 | | | | | | | 1 | | | 1 | 1 | | | 1 | 1 | 1 | | | | | 3 | 3 | 6 |
| 1947 | | | | | | | | | 1 | | | 2 | 2 | 1 | 1 | 2 | | | | | 4 | 5 | 9 |
| 1948 | | | | | 1 | | | | 1 | | 1 | 1 | | 3 | | 1 | | 1 | | | 3 | 6 | 9 |
| 1949 | | | | | | | | | | | 1 | 2 | 3 | 4 | 1 | 1 | 1 | | | | 6 | 7 | 13 |
| 1950 | | | | | | | | | | | | 4 | | 3 | 2 | 4 | | | | | 2 | 11 | 13 |
| 1951 | | | | | | 1 | | | | | 1 | 2 | 1 | 3 | | 2 | | | | | 2 | 8 | 10 |
| 1952 | 1 | | | | | | | | | | | 2 | | 2 | | 2 | | | | | 1 | 6 | 7 |
| 1953 | | | | | 1 | | | | | | 1 | 2 | 1 | 3 | 3 | 1 | 1 | | 1 | | 8 | 6 | 14 |
| 1954 | | | | | | | | 1 | | 1 | | 2 | 1 | 3 | | 1 | 1 | | | 1 | 3 | 8 | 11 |
| 1955 | | | | | | | | | | 1 | 1 | 3 | | 5 | 1 | 1 | | | | | 3 | 9 | 12 |
| 1956 | | | | | | | 1 | | | 1 | | 1 | 3 | 1 | | 1 | | | | | 4 | 4 | 8 |
| 1957 | | | | | | | 1 | 1 | | | 1 | | 2 | 2 | 1 | | | | | | 5 | 3 | 8 |
| 1958 | | | | | | | 1 | | | | 1 | 3 | 1 | 3 | | 1 | | | | | 3 | 7 | 10 |
| TOTALS | 1 | | 1 | | 7 | 2 | 21 | 16 | 18 | 21 | 34 | 99 | 70 | 123 | 74 | 64 | 15 | 11 | 2 | 2 | 242 | 339 | 581 |

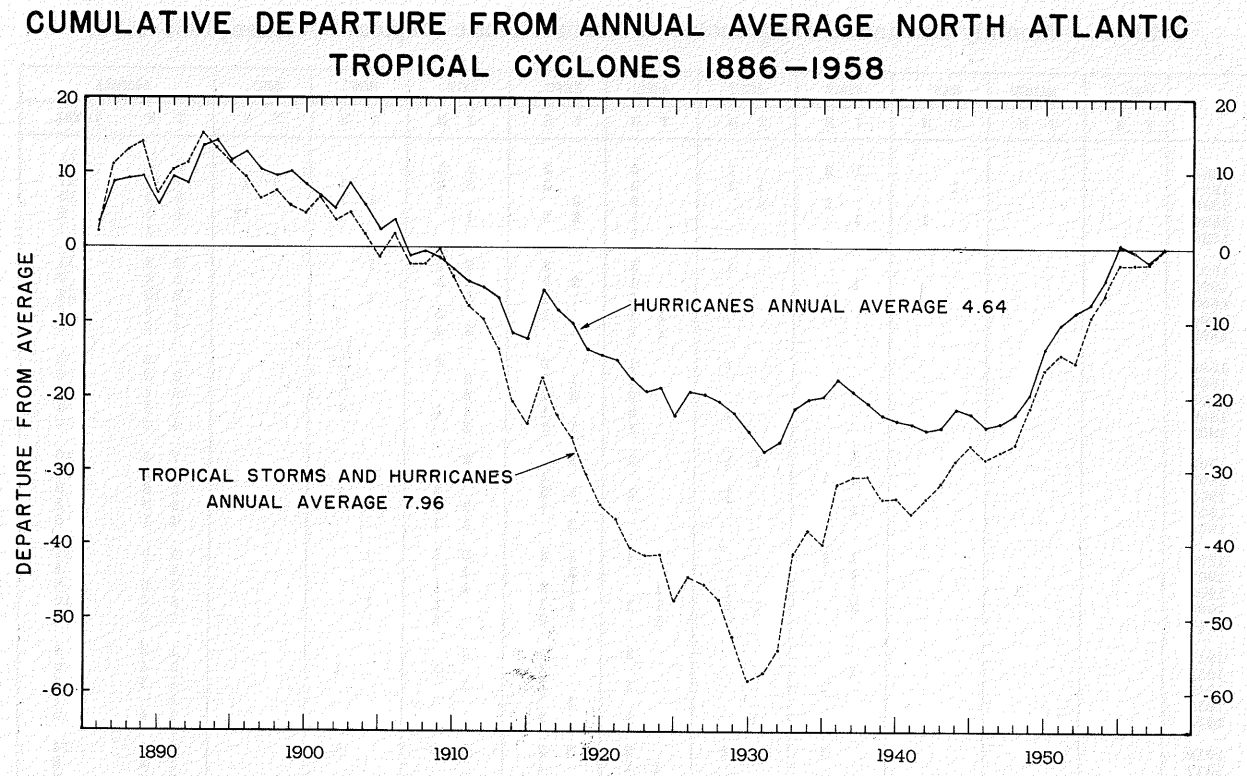


Figure 2.

intensity (sustained winds of 74 m.p.h. or higher).

The annual frequencies of tropical cyclones, shown in figure 1 and table 3, have varied widely, ranging from minima of 1 storm in 1890 and 1914 to a maximum of 21 storms in 1933. The most frequent annual numbers are 6 and 10, observed in 10 and 9 years, respectively. The frequencies of storms reaching hurricane force range from zero in 1907 and 1914 to maxima of 11 in both 1916 and 1950, and the most frequent annual numbers are 3 and 4, observed in 14 years each.

Three periods of varying levels of tropical cyclone activity are evident in figure 1. In the years before 1910 the median number of storms observed annually was 8, and approximately 58 percent were of hurricane intensity. During the years 1910-1930 the median number dropped to 5, and approximately 68 percent reached hurricane intensity. Since 1931 the median number has been 10 storms, with 55 percent reaching hurricane intensity.

Figure 2 illustrates some of the variations mentioned above. This graph shows the cumulative departure from the annual average for all storms (7.96) and for hurricanes (4.64). Considering total tropical cyclone activity, the first years were generally active, with only 1890 below average. Beginning in 1894, however, a steady downward progression of activity occurred, becoming more pronounced after 1909. Only 9 years showed average or above frequencies between 1894 and 1930, and only 2 years (1916 and 1926) showed a very active nature during the latter 2 decades. In 1931-1936 a sharp increase in the number of storms occurred and a generally high level of activity has been sustained since; there have been only 5 seasons with below average numbers during the last 28 years.

The hurricane departure in figure 2 follows the total curve closely, and shows variable activity in the first years, and 8 years above average in 1894-1930. Since 1931, however, (in contrast to total storms) 12 years have been below the average, including one group of 6 consecutive seasons, 1937-1942. During the years 1947-1955 high hurricane activity was noted, followed by near average conditions in the last 3 years.

The higher frequencies of both trop-

ical storms and hurricanes in the years since 1931 can be partially explained by improved detection and observational techniques. A gradual increase in available data would result logically in a gradual increase in the number of storms observed. However, the general decline of activity from the late 19th century to 1930, the abrupt increase in the early 1930's and the generally sustained high level of activity since that time cannot be entirely accounted for by increased observations. No major changes in observational networks or procedures were initiated in the early 1930's, but the number of tropical cyclones detected in the Gulf of Mexico-Western Caribbean area has increased somewhat since that time. Before 1932 an average of 2.35 storms per year was detected west of 75°W. in the Gulf of Mexico or the Caribbean. Since 1932 an average of 3.93 storms per year has been detected in that area. The total frequency in all areas has increased from 6.7 to 10.1 for these periods, indicating that some one-half of the increase has been due to Caribbean and Gulf of Mexico storms. The geography of the area dictates that most storms originating there must pass over or near land, and that a large majority of these storms would be detected. The frequency of relatively short and minor storms has also increased since 1932. Some of these short-lived storms which did not approach land probably escaped detection in the earlier years.

A secular fluctuation in hurricane frequency during the past 15 years may have resulted from increased observational accuracy, however. More accurate estimates of intensity have been possible since the beginning of the extensive aircraft reconnaissance in the mid-1940's. Several storms which did not approach land have been verified as hurricanes by reconnaissance when data available from ships and land stations would not have indicated this intensity.

Table 5 contains general information on the life history of each tropical cyclone and includes the dates of occurrence, the maximum intensity, and the approximate location of origin or detection, the dates and locations of first hurricane intensity, the dates and locations of recurvature, the approximate number of days each storm was of certain intensities, and the maximum intensity of each storm as the center crossed the United States coastline.

## SEASONAL

The seasonal distribution of tropical cyclone occurrences is shown in table 4. Storms beginning during each 10-day period between June 1 and November 30, and monthly and seasonal totals in each decade of years are included. Hurricanes are counted under the period of initial detection. In some cases hurricane conditions did not begin until the succeeding 10-day period.

The tropical cyclone season may be considered as beginning in mid-June, with generally low frequencies until late July or early August. A steady increase, both of storm frequency and intensity, occurs through the first 10 days of September, when an average of one storm per year begins. A slow decline in frequency sets in after this time but activity remains relatively high through October 20, when a drop to a much lower level occurs, continuing through November. Developments during the months December through May are rare with only 4 storms (2 hurricanes) originating in December, 1 in February, 1 hurricane in March, and 9 storms (2 hurricanes) in May during 1886-1958.

## STORMS AFFECTING THE UNITED STATES

The annual number of tropical storms and hurricanes entering or affecting the various coastal sections is shown in figure 3. The bottom graph gives the annual number of tropical cyclone centers which crossed the coastline. These storms are classified according to the maximum intensity at the time of coastal penetration. A total of 261 tropical cyclone centers, 142 of hurricane intensity and 119 of tropical storm force, have crossed the coastline since 1886. Storms which entered the coast twice at widely separated points, for example in Florida and again in Texas, are counted only once on this graph.

The upper 7 graphs of figure 3 include all storms known to affect each group of States and show the frequency of those storms which caused either high winds, heavy precipitation, or high storm tides, although in some cases the storm center remained off-shore or passed inland in another region. The increased overall frequency of tropical cyclones in recent years is not fully reflected in the number of storms entering the United States.

The intensity of every storm in each area has been estimated from all available reports and classified as hurricane, (winds 74 m.p.h. or over) tropical storm, (winds 39 to 73 m.p.h.) or depression, (winds 38 m.p.h. or less). Rapid decreases in surface wind speeds usually occur soon after a tropical cyclone moves over land, due to the effects of surface friction and the loss of

Table 4. - Seasonal (10-day) - decadal frequencies of North Atlantic tropical cyclone origins, 1886-1958.

| | | 1886-1890 | | 1891-1900 | | 1901-1910 | | 1911-1920 | | 1921-1930 | | 1931-1940 | | 1941-1950 | | 1951-1958 | | Total Period 1886-1958 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | H | T | H | T | H | T | H | T | H | T | H | T | H | T | H | T | H | T | Total |
| JUNE | 1-10 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 5 | 6 |
| | 11-20 | 2 | 2 | 1 | 0 | 2 | 2 | 0 | 0 | 1 | 2 | 0 | 3 | 1 | 1 | 0 | 2 | 7 | 12 | 19 |
| | 21-30 | 1 | 0 | 0 | 0 | 0 | 3 | 2 | 0 | 1 | 0 | 2 | 1 | 0 | 0 | 2 | 0 | 8 | 4 | 12 |
| JUNE | 1-30 | 3 | 2 | 1 | 1 | 2 | 7 | 2 | 1 | 2 | 2 | 3 | 4 | 1 | 1 | 2 | 3 | 16 | 21 | 37 |
| JULY | 1-10 | 0 | 1 | 3 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 5 | 4 | 9 |
| | 11-20 | 2 | 0 | 0 | 0 | 2 | 0 | 2 | 1 | 0 | 0 | 0 | 2 | 1 | 1 | 0 | 0 | 7 | 4 | 11 |
| | 21-31 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 3 | 3 | 2 | 2 | 1 | 2 | 9 | 10 | 19 |
| JULY | 1-31 | 2 | 2 | 4 | 0 | 4 | 2 | 2 | 3 | 1 | 0 | 3 | 5 | 4 | 4 | 1 | 2 | 21 | 18 | 39 |
| AUGUST | 1-10 | 0 | 0 | 2 | 1 | 2 | 0 | 3 | 1 | 3 | 0 | 4 | 5 | 1 | 1 | 3 | 3 | 18 | 11 | 29 |
| | 11-20 | 6 | 0 | 8 | 1 | 0 | 0 | 1 | 0 | 2 | 0 | 4 | 5 | 6 | 3 | 4 | 0 | 31 | 9 | 40 |
| | 21-31 | 2 | 0 | 7 | 0 | 3 | 3 | 7 | 1 | 5 | 0 | 10 | 4 | 8 | 4 | 8 | 2 | 50 | 14 | 64 |
| AUGUST | 1-31 | 8 | 0 | 17 | 2 | 5 | 3 | 11 | 2 | 10 | 0 | 18 | 14 | 15 | 8 | 15 | 5 | 99 | 34 | 133 |
| SEPTEMBER | 1-10 | 3 | 1 | 7 | 2 | 5 | 2 | 6 | 3 | 6 | 4 | 9 | 3 | 8 | 6 | 10 | 3 | 54 | 24 | 78 |
| | 11-20 | 4 | 1 | 5 | 4 | 4 | 5 | 4 | 1 | 3 | 1 | 4 | 4 | 8 | 6 | 3 | 5 | 35 | 27 | 62 |
| | 21-30 | 1 | 2 | 5 | 2 | 3 | 5 | 4 | 0 | 5 | 1 | 2 | 6 | 5 | 2 | 9 | 1 | 34 | 19 | 53 |
| SEPTEMBER | 1-30 | 8 | 4 | 17 | 8 | 12 | 12 | 14 | 4 | 14 | 6 | 15 | 13 | 21 | 14 | 22 | 9 | 123 | 70 | 203 |
| OCTOBER | 1-10 | 3 | 3 | 4 | 8 | 6 | 2 | 2 | 2 | 1 | 2 | 2 | 5 | 6 | 6 | 4 | 4 | 28 | 32 | 60 |
| | 11-20 | 1 | 1 | 3 | 3 | 4 | 4 | 2 | 0 | 6 | 7 | 2 | 4 | 7 | 5 | 4 | 0 | 29 | 24 | 53 |
| | 21-31 | 0 | 2 | 3 | 4 | 0 | 3 | 0 | 1 | 0 | 2 | 3 | 4 | 0 | 1 | 1 | 1 | 7 | 18 | 25 |
| OCTOBER | 1-31 | 4 | 6 | 10 | 15 | 10 | 9 | 4 | 3 | 7 | 11 | 7 | 13 | 13 | 12 | 9 | 5 | 64 | 74 | 138 |
| NOVEMBER | 1-10 | 0 | 1 | 0 | 2 | 0 | 3 | 0 | 0 | 1 | 0 | 1 | 1 | 2 | 1 | 0 | 0 | 4 | 8 | 12 |
| | 11-20 | 1 | 0 | 0 | 0 | 1 | 0 | 2 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 5 | 4 | 9 |
| | 21-31 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 2 | 3 | 5 |
| NOVEMBER | 1-31 | 2 | 2 | 0 | 2 | 1 | 3 | 2 | 1 | 2 | 1 | 2 | 3 | 2 | 1 | 0 | 2 | 11 | 15 | 26 |
| DECEMBER-MAY | | 2 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 1 | 2 | 3 | 5 | 10 | 15 |
| TOTAL | | 29 | 18 | 49 | 28 | 35 | 36 | 35 | 14 | 36 | 20 | 48 | 56 | 56 | 41 | 51 | 29 | 339 | 242 | 581 |

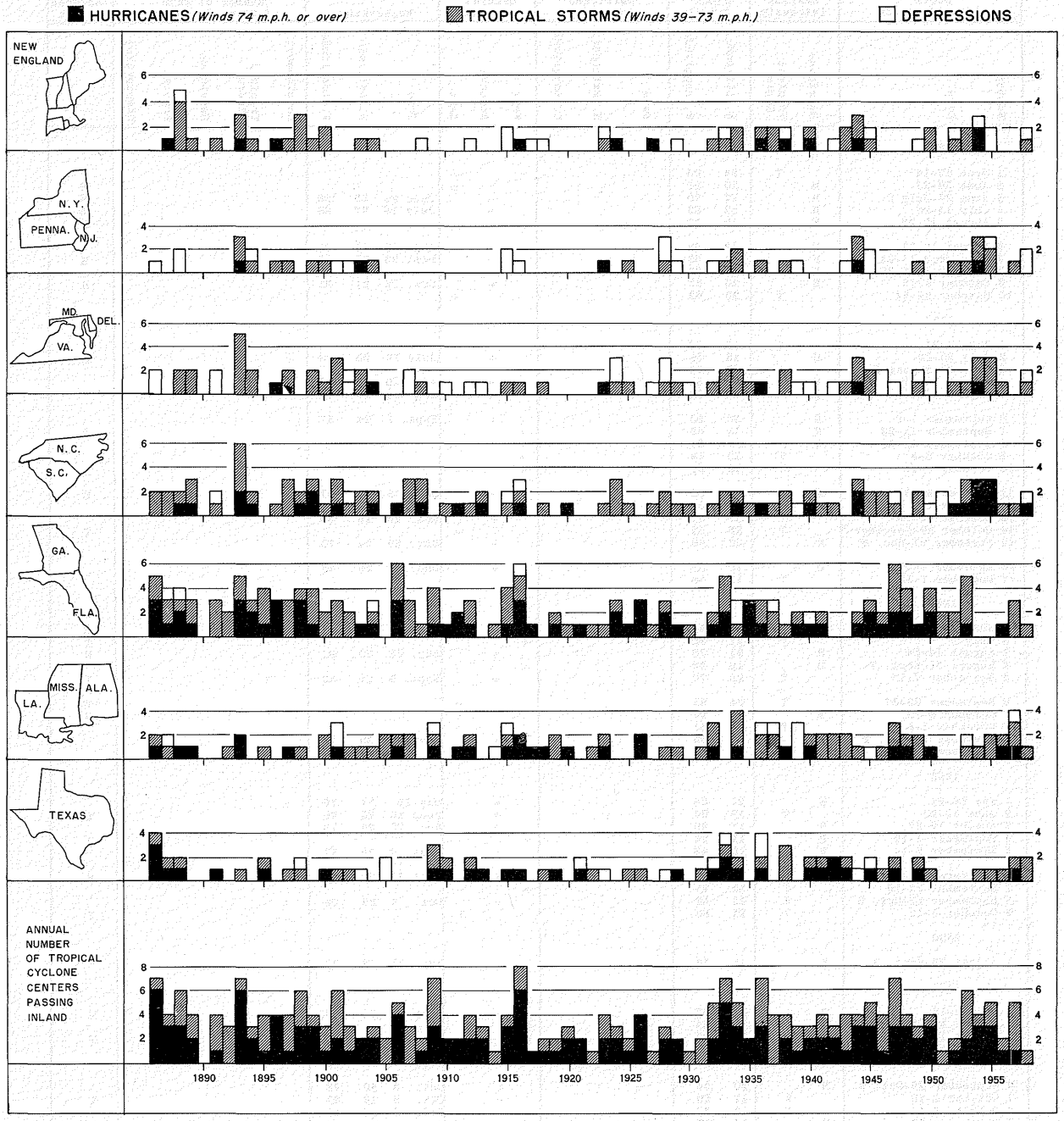


Figure 3.

the principal energy source. For example, a storm moving northward inland from the coast after entering western Florida with hurricane winds may have tropical storm winds (50 to 60 m.p.h.) in South Carolina and depression winds (below 40 m.p.h.) in Virginia and Pennsylvania, although heavy rains may accompany the weakening storm through its path and persist after no strong winds remain.

# Table 5. - Data on the life history of North Atlantic tropical cyclones, 1886-1958.

| Storm Identification | | Maximum Intensity | | Storm Origin | | Hurricane Intensity | | | General Movement | | | Recurvature | | | Number of Days of Given Intensity | | | | | Entered U. S.x |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Number | Date | Hurricane | Tropical Storm | N. Latitude | W. Longitude | Date | N. Latitude | W. Longitude | West | Recurve | East | Date | N. Latitude | W. Longitude | Development | Tropical Storm | Hurricane | Frontal | Dissipating | |
| | 1886 | | | | | | | | | | | | | | | | | | | |
| 1 | June 13-14 | | T | 24 | 96 | | | | | | + | | | | | | | | | T |
| 2 | June 20-23 | H | | 20 | 86 | | | | | | + | | | | | | | | | H |
| 3 | June 27-July 2 | H | | 17 | 79 | | | | | + | | June 29 | 25 | 89 | | | | | | H |
| 4 | July 14-20 | H | | 19 | 83 | | | | | + | | July 16 | 27 | 89 | | | | | | H |
| 5 | August 12-20 | H | | 10 | 57 | | | | + | | | | | | | | | | | H |
| 6 | August 16-27 | H | | 12 | 58 | | | | | + | | Aug. 22 | 23 | 80 | | | | | | |
| 7 | September 15-24 | H | | 14 | 60 | | | | | + | | Sept.23 | 27 | 97 | | | | | | H |
| 8 | September 26-30 | H | | 21 | 65 | | | | + | | | | | | | | | | | |
| 9 | October 8-13 | H | | 20 | 83 | | | | | + | | Oct. 12 | 31 | 93 | | | | | | H |
| 10 | October 22-24 | | T | 20 | 69 | | | | | | + | | | | | | | | | |
| | 1887 | | | | | | | | | | | | | | | | | | | |
| 1 | May 17-21 | | T | 18 | 79 | | | | | | + | | | | | | | | | |
| 2 | July 20-28 | H | | 12 | 59 | | | | | + | | July 26 | 25 | 88 | | | | | | H |
| 3 | July 30-August 7 | | T | 10 | 50 | | | | + | | | | | | | | | | | |
| 4 | August 16-29 | H | | 23 | 61 | | | | | + | | Aug. 20 | 29 | 80 | | | | | | |
| 5 | August 19-31 | H | | 17 | 57 | | | | | + | | Aug. 23 | 30 | 78 | | | | | | |
| 6 | September 1-6 | H | | 28 | 53 | | | | | + | | Sept. 2 | 34 | 57 | | | | | | |
| 7 | September 11-22 | H | | 13 | 56 | | | | + | | | | | | | | | | | H |
| 8 | September 15-18 | H | | 26 | 54 | | | | | | + | | | | | | | | | |
| 9 | October 6-8 | | T | 20 | 84 | | | | + | | | | | | | | | | | |
| 10 | October 9-11 | | T | 19 | 81 | | | | + | | | | | | | | | | | |
| 11 | October 9-23 | H | | 19 | 60 | | | | | + | | Oct. 18 | 28 | 91 | | | | | | H |
| 12 | October 11 | H | | 28 | 38 | | | | + | | | | | | | | | | | |
| 13 | October 16-19 | | T | 16 | 51 | | | | | + | | Oct. 18 | 25 | 56 | | | | | | |
| 14 | October 29-November 9 | | T | 25 | 85 | | | | | | + | | | | | | | | | T |
| 15 | November 27-Dec. 8 | H | | 22 | 66 | | | | | + | | Nov. 29 | 24 | 75 | | | | | | |
| 16 | December 4-10 | H | | 18 | 52 | | | | | + | | Dec. 5 | 26 | 63 | | | | | | |
| 17 | December 7-12 | | T | 12 | 58 | | | | + | | | | | | | | | | | |
| | 1888 | | | | | | | | | | | | | | | | | | | |
| 1 | June 17 | H | | 28 | 94 | | | | + | | | | | | | | | | | H |
| 2 | July 5 | | T | 27 | 95 | | | | + | | | | | | | | | | | T |
| 3 | August 14-24 | H | | 21 | 70 | | | | | + | | Aug. 19 | 30 | 92 | | | | | | H |
| 4 | August 31-Sept. 7 | H | | 19 | 59 | | | | + | | | | | | | | | | | |
| 5 | September 7-16 | | T | 26 | 76 | | | | | + | | Sept. 9 | 29 | 83 | | | | | | T |
| 6 | September 23-27 | | T | 24 | 81 | | | | | | + | | | | | | | | | T |
| 7 | October 8-12 | H | | 21 | 94 | | | | | | + | | | | | | | | | H |
| 8 | November 1-8 | | T | 12 | 61 | | | | | | + | | | | | | | | | |
| 9 | November 17-Dec. 2 | H | | 25 | 55 | | | | | + | | Nov. 23 | 30 | 75 | | | | | | |
| 10 | November 21-23 | | T | 29 | 66 | | | | | | + | | | | | | | | | |
| | 1889 | | | | | | | | | | | | | | | | | | | |
| 1 | May 16-21 | H | | 21 | 64 | | | | | + | | May 19 | 31 | 75 | | | | | | |
| 2 | June 15-23 | | T | 19 | 84 | | | | | + | | June 16 | 25 | 86 | | | | | | T |
| 3 | August 19-27 | H | | 17 | 69 | | | | | + | | Aug. 23 | 28 | 76 | | | | | | |
| 4 | September 1-12 | H | | 11 | 54 | | | | + | | | | | | | | | | | H |
| 5 | September 2-11 | H | | 15 | 42 | | | | | + | | Sept. 6 | 28 | 57 | | | | | | |
| 6 | September 11-26 | H | | 15 | 59 | | | | | + | | Sept.21 | 22 | 96 | | | | | | H |
| 7 | September 12-19 | | T | 15 | 25 | | | | + | | | | | | | | | | | |
| 8 | September 29-Oct. 6 | | T | 11 | 52 | | | | | + | | Oct. 4 | 28 | 68 | | | | | | |
| 9 | October 5-10 | | T | 21 | 82 | | | | | | + | | | | | | | | | T |
| | 1890 | | | | | | | | | | | | | | | | | | | |
| 1 | August 26-Sept. 3 | H | | 16 | 54 | | | | | + | | Aug. 29 | 28 | 70 | | | | | | |
| | 1891 | | | | | | | | | | | | | | | | | | | |
| 1 | July 3-12 | H | | 21 | 92 | | | | | + | | July 5 | 27 | 96 | | | | | | H |
| 2 | August 17-29 | H | | 13 | 24 | | | | + | | | | | | | | | | | |
| 3 | August 18-25 | H | | 13 | 57 | | | | + | | | | | | | | | | | T |
| 4 | September 2-10 | H | | 19 | 58 | | | | | + | | Sept. 6 | 32 | 71 | | | | | | |
| 5 | September 16-Oct. 1 | H | | 19 | 46 | | | | | + | | Sept.21 | 32 | 63 | | | | | | |
| 6 | September 29-Oct. 9 | H | | 20 | 54 | | | | | + | | Oct. 5 | 40 | 68 | | | | | | |
| 7 | October 1-10 | | T | 17 | 59 | | | | | + | | Oct. 6 | 19 | 81 | | | | | | T |
| 8 | October 6-11 | | T | 16 | 83 | | | | | + | | Oct. 8 | 21 | 85 | | | | | | T |
| 9 | October 8-22 | H | | 24 | 57 | | | | | + | | Oct. 11 | 34 | 74 | | | | | | |
| 10 | October 12-22 | H | | 12 | 61 | | | | | + | | Oct. 16 | 25 | 66 | | | | | | |
| 11 | November 3-8 | | T | 24 | 74 | | | | | | + | | | | | | | | | |
| | 1892 | | | | | | | | | | | | | | | | | | | |
| 1 | June 10-16 | | T | 23 | 86 | | | | | | + | | | | | | | | | T |
| 2 | August 16-25 | H | | 18 | 56 | | | | | + | | Aug. 19 | 28 | 68 | | | | | | |
| 3 | September 3-17 | H | | 11 | 33 | | | | | + | | Sept.11 | 31 | 55 | | | | | | |
| 4 | September 9-17 | | T | 21 | 92 | | | | | + | | Sept. 9 | 25 | 94 | | | | | | T |
| 5 | September 13-23 | H | | 15 | 19 | | | | | + | | Sept.21 | 32 | 51 | | | | | | |
| 6 | September 25-27 | | T | 19 | 92 | | | | + | | | | | | | | | | | |
| 7 | October 6-15 | H | | 11 | 58 | | | | + | | | | | | | | | | | |
| 8 | October 13-29 | | T | 30 | 71 | | | | | | + | | | | | | | | | |
| 9 | October 21-Nov. 1 | | T | 23 | 92 | | | | | | + | | | | | | | | | T |

## Table 5. - Continued.

| Storm Identification | | Maximum Intensity | | Storm Origin | | Hurricane Intensity | | | General Movement | | | Recurvature | | | Number of Days of Given Intensity | | | | | Entered U. S.x |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Number | Date | Hurricane | Tropical Storm | N. Latitude | W. Longitude | Date | N. Latitude | W. Longitude | West | Recurve | East | Date | N. Latitude | W. Longitude | Development | Tropical Storm | Hurricane | Frontal | Dissipating | |
| | 1893 | | | | | | | | | | | | | | | | | | | |
| 1 | June 12-28 | H | | 21 | 95 | | | | | | + | | | | | | | | | H |
| 2 | July 4-6 | H | | 10 | 79 | | | | + | | | | | | | | | | | |
| 3 | August 13-26 | H | | 09 | 50 | | | | | + | | Aug. 19 | 28 | 76 | | | | | | |
| 4 | August 15-Sept. 2 | H | | 14 | 36 | | | | | + | | Aug. 23 | 38 | 74 | | | | | | H |
| 5 | August 15-18 | H | | 32 | 59 | | | | | + | | Aug. 16 | 37 | 67 | | | | | | |
| 6 | August 17-Sept. 5 | H | | 16 | 29 | | | | | + | | Aug. 27 | 32 | 82 | | | | | | H |
| 7 | August 20-29 | H | | 12 | 27 | | | | | + | | Aug. 26 | 26 | 41 | | | | | | |
| 8 | September 6-10 | H | | 19 | 86 | | | | | + | | Sept. 7 | 26 | 93 | | | | | | H |
| 9 | September 25-Oct. 15 | H | | 12 | 25 | | | | | + | | Oct. 12 | 30 | 80 | | | | | | H |
| 10 | September 27-Oct. 5 | H | | 16 | 81 | | | | | + | | Oct. 1 | 27 | 91 | | | | | | H |
| 11 | October 20-23 | | T | 24 | 87 | | | | | | + | | | | | | | | | T |
| 12 | November 5-15 | | T | 18 | 80 | | | | | | + | | | | | | | | | |
| | 1894 | | | | | | | | | | | | | | | | | | | |
| 1 | August 6-8 | | T | 27 | 89 | | | | | | + | | | | | | | | | T |
| 2 | August 30-Sept. 9 | H | | 13 | 33 | | | | | + | | Sept. 5 | 28 | 60 | | | | | | |
| 3 | September 18-30 | H | | 12 | 50 | | | | | + | | Sept.24 | 24 | 82 | | | | | | H |
| 4 | October 1-12 | H | | 12 | 79 | | | | | + | | Oct. 7 | 26 | 87 | | | | | | H |
| 5 | October 11-19 | H | | 11 | 57 | | | | | + | | Oct. 15 | 26 | 67 | | | | | | |
| 6 | October 21-Nov. 4 | H | | 30 | 62 | | | | | + | | Oct. 24 | 27 | 75 | | | | | | |
| | 1895 | | | | | | | | | | | | | | | | | | | |
| 1 | August 16 | | T | 27 | 91 | | | | | | + | | | | | | | | | T |
| 2 | August 22-29 | H | | 13 | 58 | | | | + | | | | | | | | | | | H |
| 3 | September 28-Oct. 15 | | T | 19 | 86 | | | | | + | | Sept.29 | 22 | 90 | | | | | | T |
| 4 | October 2-7 | | T | 17 | 82 | | | | | + | | Oct. 6 | 25 | 91 | | | | | | |
| 5 | October 12-26 | H | | 12 | 46 | | | | | + | | Oct. 20 | 22 | 80 | | | | | | |
| 6 | October 13-16 | | T | 19 | 94 | | | | | | + | | | | | | | | | T |
| | 1896 | | | | | | | | | | | | | | | | | | | |
| 1 | July 4-12 | H | | 20 | 80 | | | | | + | | July 6 | 27 | 86 | | | | | | H |
| 2 | August 30-Sept. 11 | H | | 14 | 60 | | | | | + | | Sept. 4 | 24 | 78 | | | | | | H |
| 3 | September 18-28 | H | | 17 | 54 | | | | | + | | Sept.22 | 28 | 74 | | | | | | |
| 4 | September 22-Oct. 1 | H | | 17 | 62 | | | | | + | | Sept.28 | 24 | 86 | | | | | | H |
| 5 | October 7-16 | H | | 23 | 90 | | | | | | + | | | | | | | | | H |
| 6 | October 26-Nov. 9 | H | | 09 | 44 | | | | | + | | Oct. 30 | 17 | 56 | | | | | | |
| | 1897 | | | | | | | | | | | | | | | | | | | |
| 1 | August 31-Sept. 10 | H | | 14 | 24 | | | | | + | | Sept. 5 | 26 | 51 | | | | | | |
| 2 | September 10-13 | H | | 23 | 79 | | | | + | | | | | | | | | | | H |
| 3 | September 20-25 | | T | 22 | 85 | | | | | | + | | | | | | | | | T |
| 4 | October 10-26 | | T | 12 | 62 | | | | | + | | Oct. 16 | 22 | 86 | | | | | | T |
| 5 | October 23-Nov. 6 | | T | 23 | 77 | | | | | | + | | | | | | | | | T |
| | 1898 | | | | | | | | | | | | | | | | | | | |
| 1 | August 2-3 | H | | 27 | 79 | | | | + | | | | | | | | | | | H |
| 2 | August 30-Sept. 1 | H | | 29 | 79 | | | | + | | | | | | | | | | | H |
| 3 | September 5-20 | H | | 11 | 26 | | | | | + | | Sept.17 | 30 | 69 | | | | | | |
| 4 | September 12-25 | | T | 13 | 79 | | | | | + | | Sept.18 | 24 | 94 | | | | | | T |
| 5 | September 20-28 | | T | 15 | 59 | | | | | + | | Sept.27 | 26 | 77 | | | | | | |
| 6 | September 20-28 | | T | 10 | 79 | | | | + | | | | | | | | | | | T |
| 7 | September 25-Oct. 6 | H | | 16 | 58 | | | | | + | | Oct. 4 | 38 | 87 | | | | | | H |
| 8 | October 2-22 | | T | 11 | 58 | | | | | + | | Oct. 8 | 23 | 84 | | | | | | T |
| 9 | October 27-Nov. 4 | | T | 18 | 62 | | | | + | | | | | | | | | | | |
| | 1899 | | | | | | | | | | | | | | | | | | | |
| 1 | July 31-Aug. 1 | H | | 25 | 84 | July 31 | 27 | 85 | | + | | July 31 | 28 | 85 | | 1 | 1 | | * | H |
| 2 | August 3-Sept. 7 | H | | 12 | 31 | Aug. 5 | 14 | 49 | | + | | Aug. 14 | 29 | 80 | | 3 | 15 | 17 | | H |
| 3 | August 29-Sept. 8 | H | | 17 | 58 | Aug. 29 | 17 | 60 | | + | | Sept. 2 | 23 | 72 | | 1 | 6 | 4 | | |
| 4 | September 3-15 | H | | 13 | 36 | Sept. 5 | 16 | 52 | | + | | Sept.10 | 25 | 70 | | 3 | 9 | 1 | | |
| 5 | October 2-8 | | T | 20 | 83 | | | | | + | | Oct. 3 | 23 | 86 | | 4 | | 3 | | T |
| 6 | October 26-Nov. 4 | H | | 11 | 80 | Oct. 26 | 13 | 81 | | + | | Oct. 27 | 17 | 82 | | 1 | 5 | 4 | | H |
| | 1900 | | | | | | | | | | | | | | | | | | | |
| 1 | August 27-Sept. 15 | H | | 16 | 41 | Sept. 5 | 24 | 82 | | + | | Sept.10 | 34 | 98 | | 12 | 3 | 5 | | H |
| 2 | September 9-23 | H | | 12 | 22 | Sept. 9 | 13 | 24 | + | | | | | | | 4 | 9 | | 1 | |
| 3 | September 10-15 | | T | 21 | 83 | | | | | + | | Sept.12 | 28 | 91 | | 5 | | | 1 | T |
| 4 | September 13-18 | H | | 18 | 53 | Sept.13 | 19 | 57 | | + | | Sept.16 | 27 | 66 | | 1 | 5 | | * | |
| 5 | October 4-14 | | T | 21 | 61 | | | | | + | | Oct. 8 | 29 | 73 | | 6 | | 4 | | |
| 6 | October 8-15 | | T | 18 | 86 | | | | | + | | Oct. 10 | 23 | 91 | | 4 | | 3 | | T |
| 7 | October 23-29 | | T | 13 | 60 | | | | | + | | Oct. 27 | 24 | 77 | | 6 | | | * | |

## Table 5. - Continued.

| Storm Identification | | Maximum Intensity | | Storm Origin | | Hurricane Intensity | | | General Movement | | | Recurvature | | | Number of Days of Given Intensity | | | | | Entered U. S.x |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Number | Date | Hurricane | Tropical Storm | N. Latitude | W. Longitude | Date | N. Latitude | W. Longitude | West | Recurve | East | Date | N. Latitude | W. Longitude | Development | Tropical Storm | Hurricane | Frontal | Dissipating | |
| | 1901 | | | | | | | | | | | | | | | | | | | |
| 1 | June 10-14 | | T | 17 | 82 | | | | + | | | | | | | 4 | | | * | T |
| 2 | July 2-10 | | T | 13 | 57 | | | | + | | | | | | | 8 | | | * | T |
| 3 | July 5-13 | H | | 14 | 60 | July 6 | 16 | 65 | + | | | | | | | 2 | 5 | | 1 | H |
| 4 | August 4-18 | H | | 27 | 48 | Aug. 12 | 27 | 84 | | + | | Aug. 14 | 28 | 90 | | 8 | 3 | 2 | | H |
| 5 | August 30-Sept. 11 | H | | 14 | 36 | Aug. 30 | 15 | 39 | | + | | Sept. 6 | 31 | 59 | | 1 | 10 | 2 | | |
| 6 | September 9-19 | | T | 19 | 49 | | | | | + | | Sept.17 | 28 | 89 | | 9 | | 2 | | T |
| 7 | September 12-17 | | T | 11 | 28 | | | | + | | | | | | | 5 | | | 1 | |
| 8 | September 21-Oct. 3 | | T | 11 | 80 | | | | | + | | Sept.26 | 23 | 86 | | 7 | | 5 | | T |
| 9 | October 7-14 | | T | 15 | 50 | | | | | + | | Oct. 10 | 23 | 70 | | 5 | | 3 | | |
| 10 | October 31-Nov. 6 | | T | 21 | 69 | | | | | | + | | | | | 6 | | | 1 | |
| | 1902 | | | | | | | | | | | | | | | | | | | |
| 1 | June 11-16 | | T | 13 | 81 | | | | | + | | June 13 | 27 | 85 | | 5 | | 1 | | T |
| 2 | June 19-28 | H | | 17 | 84 | June 24 | 23 | 96 | | + | | June 26 | 27 | 97 | | 6 | 2 | 1 | | H |
| 3 | September 16-25 | H | | 08 | 33 | Sept.19 | 18 | 53 | | + | | Sept.20 | 20 | 53 | | 3 | 3 | 3 | | |
| 4 | October 7-13 | H | | 14 | 93 | Oct. 7 | 19 | 93 | | | + | | | | | 2 | 2 | 3 | | T |
| 5 | November 1-9 | | T | 22 | 62 | | | | | + | | Nov. 1 | 27 | 64 | | 8 | | | * | |
| | 1903 | | | | | | | | | | | | | | | | | | | |
| 1 | July 19-26 | H | | 16 | 61 | July 22 | 26 | 75 | | + | | July 22 | 27 | 75 | | 3 | 4 | 1 | | |
| 2 | August 7-16 | H | | 13 | 46 | Aug. 7 | 13 | 52 | + | | | | | | | 1 | 9 | | * | |
| 3 | September 10-16 | H | | 25 | 72 | Sept.10 | 24 | 75 | | + | | Sept.14 | 32 | 86 | | 3 | 3 | | 1 | H |
| 4 | September 13-17 | H | | 22 | 55 | Sept.13 | 24 | 57 | + | | | | | | | 1 | 3 | 1 | | H |
| 5 | September 20-26 | | T | 21 | 72 | | | | | + | | Sept.23 | 28 | 73 | | 6 | | | 1 | |
| 6 | September 26-30 | H | | 23 | 59 | Sept.28 | 29 | 65 | | + | | Sept.27 | 27 | 65 | | 2 | 2 | 1 | | |
| 7 | October 1-10 | H | | 20 | 57 | Oct. 1 | 21 | 60 | | + | | Oct. 2 | 24 | 64 | | 1 | 8 | 1 | | |
| 8 | October 5-10 | H | | 24 | 69 | Oct. 6 | 27 | 69 | + | | | | | | | 1 | 4 | 1 | | |
| 9 | November 18-25 | H | | 20 | 41 | Nov. 20 | 28 | 50 | | + | | Nov. 20 | 28 | 50 | | 2 | 5 | 1 | | |
| | 1904 | | | | | | | | | | | | | | | | | | | |
| 1 | June 13 | | T | 17 | 79 | | | | | | + | | | | | 1 | | | * | |
| 2 | September 8-15 | H | | 19 | 53 | Sept. 8 | 20 | 55 | | + | | Sept.14 | 34 | 80 | | 1 | 6 | | 1 | H |
| 3 | October 12-20 | H | | 15 | 75 | Oct. 16 | 25 | 79 | | + | | Oct. 18 | 25 | 82 | | 6 | 1 | | 2 | H |
| 4 | October 19-23 | | T | 26 | 46 | | | | + | | | | | | | 4 | | | 1 | |
| 5 | October 29-Nov. 5 | | T | 20 | 86 | | | | | + | | Nov. 1 | 25 | 92 | | 7 | | | 1 | T |
| | 1905 | | | | | | | | | | | | | | | | | | | |
| 1 | September 6-7 | | T | 14 | 57 | | | | + | | | | | | | 2 | | | * | |
| 2 | September 11-16 | | T | 19 | 50 | | | | + | | | | | | | 5 | | | 1 | |
| 3 | September 24-30 | | T | 18 | 84 | | | | | + | | Sept.28 | 28 | 92 | | 5 | | | 1 | T |
| 4 | October 3-13 | H | | 10 | 80 | Oct. 3 | 12 | 79 | | | + | | | | | * | 5 | 5 | | |
| 5 | October 5-10 | | T | 23 | 89 | | | | | + | | Oct. 8 | 26 | 93 | | 5 | | | 1 | T |
| | 1906 | | | | | | | | | | | | | | | | | | | |
| 1 | June 8-16 | | T | 18 | 83 | | | | | + | | June 14 | 41 | 91 | | 5 | | | 3 | T |
| 2 | June 14-23 | H | | 23 | 74 | June 16 | 25 | 81 | | + | | June 16 | 25 | 81 | | 5 | 4 | * | | H |
| 3 | August 25-Sept. 12 | H | | 12 | 23 | Aug. 25 | 12 | 25 | | + | | Sept. 6 | 27 | 75 | | 1 | 17 | 2 | | |
| 4 | September 3-18 | H | | 10 | 33 | Sept. 9 | 17 | 50 | + | | | | | | | 6 | 8 | | 1 | H |
| 5 | September 20-29 | H | | 15 | 74 | Sept.23 | 21 | 84 | | + | | Sept.28 | 37 | 90 | | 5 | 4 | 1 | | H |
| 6 | September 22-Oct. 2 | | T | 24 | 34 | | | | | + | | Sept.25 | 28 | 47 | | 8 | | 2 | | |
| 7 | October 9 | H | | 11 | 79 | Oct. 9 | 11 | 81 | + | | | | | | | * | 1 | | * | |
| 8 | October 11-22 | H | | 15 | 60 | Oct. 12 | 15 | 66 | | + | | Oct. 16 | 21 | 85 | | 3 | 7 | | 1 | H |
| 9 | October 13-17 | | T | 33 | 60 | | | | + | | | | | | | 4 | | | 1 | |
| 10 | October 16-20 | | T | 28 | 71 | | | | | | + | | | | | 3 | | | 1 | |
| 11 | November 6-9 | | T | 14 | 76 | | | | | + | | Nov. 7 | 20 | 85 | | 3 | | | 1 | |
| | 1907 | | | | | | | | | | | | | | | | | | | |
| 1 | June 24-29 | | T | 16 | 77 | | | | | + | | June 27 | 26 | 89 | | 5 | | | 1 | T |
| 2 | September 17-23 | | T | 22 | 72 | | | | | + | | Sept.21 | 30 | 89 | | 5 | | | 1 | T |
| 3 | September 27-29 | | T | 22 | 95 | | | | | | + | | | | | 2 | | | 1 | T |
| 4 | October 17-21 | | T | 27 | 59 | | | | | + | | Oct. 18 | 32 | 64 | | 3 | | 2 | | |
| | 1908 | | | | | | | | | | | | | | | | | | | |
| 1 | March 6-9 | H | | 25 | 59 | Mar. 7 | 22 | 61 | + | | | | | | | 2 | 2 | | * | |
| 2 | July 27-August 3 | H | | 25 | 74 | July 28 | 28 | 78 | | + | | July 29 | 30 | 78 | | 2 | 4 | 2 | | H |
| 3 | August 30-Sept. 2 | | T | 32 | 72 | | | | | + | | Sept. 1 | 35 | 75 | | 3 | | | 1 | |
| 4 | September 8-19 | H | | 15 | 51 | Sept.10 | 19 | 65 | | + | | Sept.13 | 25 | 76 | | 2 | 8 | 1 | | |
| 5 | September 16-18 | | T | 24 | 90 | | | | + | | | | | | | 2 | | | 1 | |
| 6 | September 21-Oct. 6 | H | | 12 | 49 | Sept.30 | 23 | 77 | | + | | Sept.30 | 25 | 78 | | 10 | 6 | * | | |
| 7 | October 15-18 | H | | 11 | 77 | Oct. 16 | 12 | 80 | + | | | | | | | 2 | 2 | | * | |
| 8 | October 21-23 | | T | 28 | 66 | | | | + | | | | | | | 2 | | | 1 | T |
| | 1909 | | | | | | | | | | | | | | | | | | | |
| 1 | June 25-30 | | T | 24 | 82 | | | | + | | | | | | | 5 | | | 1 | T |
| 2 | June 26-July 1 | | T | 23 | 74 | | | | + | | | | | | | 5 | | | 1 | T |
| 3 | July 13-22 | H | | 12 | 60 | July 18 | 23 | 86 | + | | | | | | | 5 | 3 | | 1 | H |
| 4 | July 27-August 10 | | T | 10 | 51 | | | | + | | | | | | | 14 | | | * | |
| 5 | August 21-28 | H | | 15 | 54 | Aug. 21 | 16 | 56 | + | | | | | | | 1 | 7 | | * | |
| 6 | August 27-31 | | T | 20 | 66 | | | | | + | | Aug. 30 | 29 | 81 | | 5 | | | * | T |
| 7 | September 14-21 | H | | 14 | 73 | Sept.16 | 18 | 81 | | + | | Sept.21 | 34 | 91 | | 3 | 4 | | * | H |
| 8 | September 22-30 | | T | 11 | 79 | | | | | + | | Sept.25 | 23 | 83 | | 8 | | | 1 | T |
| 9 | October 7-13 | H | | 11 | 78 | Oct. 7 | 12 | 78 | | + | | Oct. 10 | 20 | 85 | | 1 | 5 | | * | H |
| 10 | November 8-14 | | T | 10 | 81 | | | | | | + | | | | | 7 | | | * | |

## Table 5. - Continued.

| Storm Identification | | Maximum Intensity | | Storm Origin | | Hurricane Intensity | | | General Movement | | | Recurvature | | | Number of Days of Given Intensity | | | | | Entered U. S.x |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Number | Date | Hurricane | Tropical Storm | N. Latitude | W. Longitude | Date | N. Latitude | W. Longitude | West | Recurve | East | Date | N. Latitude | W. Longitude | Development | Tropical Storm | Hurricane | Frontal | Dissipating | |
| | 1910 | | | | | | | | | | | | | | | | | | | |
| 1 | August 23-31 | | T | 15 | 57 | | | | + | | | | | | | 9 | | | * | |
| 2 | September 5-14 | H | | 17 | 56 | Sept. 5 | 17 | 59 | + | | | | | | | 1 | 9 | | * | H |
| 3 | September 23-28 | H | | 24 | 57 | Sept.23 | 26 | 60 | | + | | Sept.25 | 33 | 64 | | * | 4 | 2 | | |
| 4 | October 11-23 | H | | 12 | 80 | Oct. 11 | 13 | 81 | | + | | Oct. 16 | 23 | 85 | | 4 | 7 | 2 | | H |
| | 1911 | | | | | | | | | | | | | | | | | | | |
| 1 | August 9-14 | H | | 24 | 82 | Aug. 9 | 25 | 82 | + | | | | | | | 1 | 3 | | 2 | H |
| 2 | August 24-29 | H | | 26 | 64 | Aug. 24 | 27 | 66 | + | | | | | | | 1 | 4 | | * | H |
| 3 | September 3-12 | H | | 14 | 58 | Sept. 8 | 14 | 76 | + | | | | | | | 7 | 2 | | 1 | |
| 4 | October 23-31 | | T | 22 | 70 | | | | | + | | Oct. 30 | 25 | 86 | | 8 | | | * | |
| | 1912 | | | | | | | | | | | | | | | | | | | |
| 1 | June 7-16 | | T | 22 | 85 | | | | | + | | June 11 | 27 | 94 | | 9 | | | 1 | T |
| 2 | July 12-17 | | T | 25 | 72 | | | | + | | | | | | | 3 | | | 3 | T |
| 3 | September 11-14 | H | | 28 | 83 | Sept.11 | 28 | 84 | + | | | | | | | 2 | 3 | | * | H |
| 4 | October 4-9 | H | | 27 | 77 | Oct. 5 | 31 | 75 | | | + | | | | | 2 | 3 | | 1 | |
| 5 | October 11-17 | H | | 16 | 78 | Oct. 11 | 18 | 81 | + | | | | | | | 2 | 5 | | * | H |
| 6 | November 11-25 | H | | 11 | 79 | Nov. 15 | 14 | 80 | | + | | Nov. 20 | 18 | 81 | | 4 | 9 | 2 | | |
| | 1913 | | | | | | | | | | | | | | | | | | | |
| 1 | June 22-28 | H | | 11 | 80 | June 22 | 12 | 81 | + | | | | | | | 1 | 6 | | * | H |
| 2 | August 30-Sept. 4 | H | | 26 | 71 | Aug. 31 | 29 | 72 | + | | | | | | | 1 | 3 | | 1 | H |
| 3 | September 3-12 | H | | 16 | 59 | Sept. 6 | 28 | 61 | | + | | Sept. 5 | 25 | 63 | | 4 | 5 | | 1 | |
| 4 | October 3-11 | | T | 40 | 68 | | | | | + | | Oct. 9 | 34 | 81 | | 7 | | | 2 | T |
| | 1914 | | | | | | | | | | | | | | | | | | | |
| 1 | September 14-19 | | T | 23 | 76 | | | | + | | | | | | | 5 | | | 1 | T |
| | 1915 | | | | | | | | | | | | | | | | | | | |
| 1 | July 31-August 5 | | T | 26 | 77 | | | | | + | | Aug. 2 | 30 | 82 | | 3 | | | 2 | T |
| 2 | August 5-25 | H | | 15 | 24 | Aug. 8 | 16 | 48 | | + | | Aug. 17 | 32 | 96 | | 4 | 9 | 7 | | H |
| 3 | August 28-Sept. 10 | H | | 22 | 47 | Aug. 28 | 23 | 49 | | + | | Sept. 8 | 33 | 67 | | 1 | 13 | | * | |
| 4 | September 1-6 | H | | 15 | 79 | Sept. 1 | 17 | 79 | | + | | Sept. 4 | 30 | 85 | | 1 | 3 | | 2 | H |
| 5 | September 22-Oct. 1 | H | | 15 | 61 | Sept.22 | 15 | 63 | | + | | Sept.29 | 29 | 90 | | 1 | 7 | 2 | | H |
| | 1916 | | | | | | | | | | | | | | | | | | | |
| 1 | June 29-July 10 | H | | 11 | 80 | July 2 | 19 | 84 | | + | | July 7 | 33 | 91 | | 5 | 4 | | 3 | H |
| 2 | July 11-15 | H | | 25 | 70 | July 12 | 29 | 77 | + | | | | | | | 2 | 2 | | 1 | H |
| 3 | July 11-22 | H | | 12 | 56 | July 14 | 20 | 68 | | + | | July 19 | 33 | 75 | | 4 | 7 | 1 | | H |
| 4 | August 12-19 | H | | 14 | 54 | Aug. 12 | 15 | 57 | + | | | | | | | 1 | 7 | | * | H |
| 5 | August 21-25 | H | | 18 | 61 | Aug. 21 | 18 | 62 | + | | | | | | | 2 | 2 | | 1 | |
| 6 | August 27-Sept. 1 | H | | 14 | 45 | Aug. 27 | 14 | 51 | + | | | | | | | 1 | 5 | | * | |
| 7 | September 4-6 | | T | 24 | 76 | | | | | + | | Sept. 5 | 30 | 78 | | 2 | | | 1 | T |
| 8 | September 9-14 | | T | 19 | 57 | | | | + | | | | | | | 4 | | | 2 | T |
| 9 | September 14-21 | H | | 21 | 59 | Sept.17 | 30 | 60 | | + | | Sept.15 | 23 | 64 | | 4 | 3 | | * | |
| 10 | September 17-24 | H | | 13 | 45 | Sept.19 | 17 | 54 | | + | | Sept.22 | 28 | 69 | | 2 | 5 | | * | |
| 11 | October 3-4 | | T | 28 | 72 | | | | + | | | | | | | 2 | | | * | |
| 12 | October 6-15 | H | | 11 | 58 | Oct. 9 | 17 | 64 | | + | | Oct. 10 | 20 | 65 | | 4 | 4 | 1 | | |
| 13 | October 12-19 | H | | 15 | 74 | Oct. 12 | 17 | 77 | | + | | Oct. 16 | 23 | 89 | | 1 | 6 | 1 | | H |
| 14 | November 11-15 | H | | 13 | 75 | Nov. 14 | 21 | 86 | | + | | Nov. 14 | 20 | 86 | | 4 | 1 | * | | H |
| | 1917 | | | | | | | | | | | | | | | | | | | |
| 1 | August 6-10 | | T | 32 | 67 | | | | | + | | Aug. 9 | 34 | 74 | | 4 | | | 1 | |
| 2 | August 30-Sept. 6 | H | | 17 | 43 | Aug. 31 | 18 | 50 | | + | | Sept. 3 | 28 | 64 | | 1 | 6 | 1 | | |
| 3 | September 21-29 | H | | 16 | 61 | Sept.21 | 16 | 64 | | + | | Sept.28 | 28 | 89 | | 1 | 8 | | * | H |
| | 1918 | | | | | | | | | | | | | | | | | | | |
| 1 | August 1-6 | H | | 13 | 59 | Aug. 5 | 24 | 89 | + | | | | | | | 5 | 1 | | * | H |
| 2 | August 22-25 | H | | 12 | 56 | Aug. 22 | 13 | 63 | + | | | | | | | 1 | 3 | | * | |
| 3 | August 23-25 | | T | 27 | 73 | | | | | + | | Aug. 24 | 33 | 77 | | 3 | | | * | T |
| 4 | September 3-7 | H | | 24 | 55 | Sept. 3 | 25 | 56 | | + | | Sept. 6 | 39 | 68 | | 1 | 3 | 1 | | |
| 5 | September 9-14 | | T | 14 | 58 | | | | + | | | | | | | 5 | | | 1 | |
| | 1919 | | | | | | | | | | | | | | | | | | | |
| 1 | July 2-5 | | T | 24 | 84 | | | | + | | | | | | | 2 | | | 1 | T |
| 2 | September 2-15 | H | | 15 | 61 | Sept. 5 | 21 | 71 | + | | | | | | | 4 | 10 | | * | H |
| 3 | November 11-14 | | T | 28 | 60 | | | | | + | | Nov. 13 | 31 | 66 | | 3 | | | 1 | |
| | 1920 | | | | | | | | | | | | | | | | | | | |
| 1 | September 7-16 | H | | 11 | 36 | Sept. 9 | 19 | 48 | | + | | Sept.12 | 29 | 52 | | 3 | 4 | 3 | | |
| 2 | September 16-22 | H | | 12 | 76 | Sept.21 | 25 | 90 | + | | | | | | | 6 | 1 | | * | H |
| 3 | September 22-23 | H | | 31 | 74 | Sept.22 | 32 | 76 | + | | | | | | | 1 | 1 | | * | H |
| 4 | September 25-30 | H | | 25 | 83 | Sept.29 | 26 | 89 | | + | | Sept.29 | 26 | 89 | | 5 | 1 | | * | T |
| | 1921 | | | | | | | | | | | | | | | | | | | |
| 1 | June 15-26 | H | | 14 | 79 | June 19 | 21 | 94 | | + | | June 22 | 30 | 96 | | 5 | 3 | | 3 | H |
| 2 | September 6-7 | H | | 21 | 94 | Sept. 6 | 22 | 96 | + | | | | | | | 1 | 1 | | * | |
| 3 | September 8-16 | H | | 10 | 55 | Sept. 8 | 12 | 58 | | + | | Sept.12 | 24 | 70 | | 1 | 8 | * | | |
| 4 | September 10-13 | | T | 23 | 64 | | | | | | + | | | | | 4 | | | * | |
| 5 | October 16-23 | | T | 30 | 78 | | | | | | + | | | | | 7 | | | 1 | |
| 6 | October 20-29 | H | | 13 | 80 | Oct. 21 | 17 | 82 | | + | | Oct. 24 | 23 | 86 | | 2 | 6 | 2 | | H |

## Table 5. - Continued.

| Storm Identification | | Maximum Intensity | | Storm Origin | | Hurricane Intensity | | | General Movement | | | Recurvature | | | Number of Days of Given Intensity | | | | | Entered U. S. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Number | Date | Hurricane | Tropical Storm | N. Latitude | W. Longitude | Date | N. Latitude | W. Longitude | West | Recurve | East | Date | N. Latitude | W. Longitude | Development | Tropical Storm | Hurricane | Frontal | Dissipating | |
| | 1922 | | | | | | | | | | | | | | | | | | | |
| 1 | June 12-16 | | T | 15 | 82 | | | | + | | | | | | | 4 | | | 1 | |
| 2 | September 13-26 | H | | 10 | 47 | Sept.15 | 16 | 59 | | + | | Sept.18 | 24 | 68 | | 2 | 7 | 4 | | |
| 3 | October 12-17 | | T | 16 | 83 | | | | + | | | | | | | 5 | | | * | T |
| 4 | October 14-21 | H | | 16 | 80 | Oct. 17 | 20 | 84 | + | | | | | | | 4 | 4 | | * | |
| | 1923 | | | | | | | | | | | | | | | | | | | |
| 1 | August 31-Sept. 9 | H | | 23 | 68 | Sept. 5 | 34 | 63 | | + | | Sept. 1 | 27 | 70 | | 6 | 5 | * | | |
| 2 | September 24-Oct. 4 | H | | 20 | 69 | Sept.24 | 22 | 72 | | + | | Sept.27 | 27 | 77 | | 1 | 6 | 3 | | |
| 3 | October 12-17 | H | | 10 | 93 | Oct. 14 | 22 | 94 | | + | | Oct. 13 | 17 | 95 | | 3 | 2 | | 1 | H |
| 4 | October 14-29 | | T | 10 | 80 | | | | | + | | Oct. 17 | 17 | 81 | | 7 | | 8 | | H |
| 5 | October 15-19 | | T | 22 | 64 | | | | + | | | | | | | 4 | | | 1 | T |
| 6 | October 16-19 | | T | 21 | 93 | | | | | | + | | | | | 2 | | 2 | | T |
| 7 | October 24-26 | | T | 18 | 61 | | | | + | | | | | | | 3 | | * | | |
| | 1924 | | | | | | | | | | | | | | | | | | | |
| 1 | June 18-21 | | T | 17 | 87 | | | | + | | | | | | | 3 | | | 1 | |
| 2 | August 16-28 | H | | 10 | 54 | Aug. 20 | 25 | 72 | | + | | Aug. 24 | 28 | 77 | | 4 | 7 | 2 | | |
| 3 | August 26-Sept. 6 | H | | 14 | 50 | Aug. 28 | 17 | 61 | | + | | Sept. 2 | 29 | 69 | | 3 | 7 | 3 | | |
| 4 | September 13-19 | H | | 24 | 83 | Sept.13 | 26 | 86 | | + | | Sept.14 | 28 | 87 | | 2 | 2 | 3 | | H |
| 5 | September 27-30 | | T | 16 | 86 | | | | | | + | | | | | 2 | | 2 | | T |
| 6 | October 12-14 | | T | 27 | 87 | | | | + | | | | | | | 2 | | | 1 | |
| 7 | October 14-23 | H | | 16 | 82 | Oct. 17 | 19 | 85 | | + | | Oct. 17 | 19 | 85 | | 6 | 3 | | 1 | H |
| 8 | November 5-14 | H | | 13 | 81 | Nov. 10 | 22 | 75 | | | + | | | | | 5 | 5 | * | | |
| | 1925 | | | | | | | | | | | | | | | | | | | |
| 1 | September 6-7 | | T | 21 | 91 | | | | + | | | | | | | 2 | | | * | T |
| 2 | November 29-Dec. 4 | H | | 16 | 83 | Nov. 30 | 27 | 83 | | + | | Nov. 30 | 22 | 86 | | 4 | 1 | | 1 | H |
| | 1926 | | | | | | | | | | | | | | | | | | | |
| 1 | July 22-August 2 | H | | 14 | 58 | July 23 | 17 | 66 | | + | | July 30 | 33 | 91 | | 2 | 5 | 2 | 2 | H |
| 2 | August 1-8 | H | | 19 | 54 | Aug. 2 | 24 | 59 | | + | | Aug. 6 | 35 | 67 | | 2 | 6 | 1 | | |
| 3 | August 22-27 | H | | 20 | 82 | Aug. 22 | 23 | 87 | + | | | | | | | 2 | 3 | | 1 | H |
| 4 | September 2-24 | H | | 14 | 43 | Sept. 4 | 16 | 50 | | + | | Sept.15 | 35 | 71 | | 3 | 16 | 3 | | |
| 5 | September 10-15 | H | | 24 | 53 | Sept.10 | 26 | 54 | | + | | Sept.12 | 30 | 55 | | 2 | 3 | | 1 | |
| 6 | September 11-22 | H | | 15 | 45 | Sept.12 | 17 | 51 | + | | | | | | | 2 | 9 | | 1 | H |
| 7 | September 11-17 | | T | 16 | 80 | | | | | + | | Sept.12 | 18 | 84 | | 5 | | | 1 | |
| 8 | September 21-Oct. 1 | H | | 27 | 53 | Sept.22 | 30 | 45 | | | + | | | | | 3 | 7 | | 1 | |
| 9 | October 3-4 | | T | 17 | 80 | | | | + | | | | | | | 2 | | | * | |
| 10 | October 14-24 | H | | 10 | 81 | Oct. 18 | 15 | 82 | | + | | Oct. 19 | 20 | 83 | | 4 | 5 | 2 | | H |
| 11 | November 12-15 | | T | 11 | 79 | | | | | + | | Nov. 14 | 19 | 86 | | 4 | | | * | |
| | 1927 | | | | | | | | | | | | | | | | | | | |
| 1 | August 19-26 | H | | 15 | 44 | Aug. 19 | 16 | 49 | | + | | Aug. 23 | 35 | 73 | | 1 | 5 | 2 | | |
| 2 | September 1-11 | H | | 17 | 19 | Sept. 6 | 18 | 42 | | + | | Sept. 9 | 26 | 58 | | 5 | 3 | 2 | | |
| 3 | September 22-29 | H | | 10 | 34 | Sept.28 | 29 | 47 | + | | | | | | | 6 | 1 | * | | |
| 4 | September 23-Oct. 1 | H | | 18 | 48 | Sept.24 | 24 | 55 | | + | | Sept.26 | 34 | 62 | | 2 | 5 | 3 | | |
| 5 | October 1-3 | | T | 23 | 73 | | | | | + | | Oct. 3 | 32 | 81 | | 3 | | | * | T |
| 6 | October 17-19 | | T | 19 | 87 | | | | | | + | | | | | 3 | | | * | |
| 7 | October 31-Nov. 3 | | T | 19 | 83 | | | | | | + | | | | | 4 | | * | | |
| | 1928 | | | | | | | | | | | | | | | | | | | |
| 1 | August 3-12 | H | | 11 | 60 | Aug. 6 | 24 | 76 | | + | | Aug. 10 | 32 | 85 | | 6 | 2 | 2 | | H |
| 2 | August 7-17 | H | | 12 | 60 | Aug. 9 | 16 | 69 | | + | | Aug. 15 | 33 | 85 | | 6 | 2 | 2 | | T |
| 3 | September 2-8 | | T | 17 | 72 | | | | + | | | | | | | 7 | | | * | |
| 4 | September 6-20 | H | | 14 | 20 | Sept.10 | 15 | 49 | | + | | Sept.17 | 29 | 82 | | 7 | 7 | 1 | | H |
| 5 | September 8-12 | | T | 21 | 47 | | | | | + | | Sept.10 | 30 | 56 | | 3 | | 2 | | |
| 6 | October 10-14 | H | | 17 | 35 | Oct. 13 | 31 | 46 | | + | | Oct. 13 | 31 | 46 | | 3 | 1 | 1 | | |
| | 1929 | | | | | | | | | | | | | | | | | | | |
| 1 | June 27-29 | H | | 21 | 93 | June 27 | 25 | 94 | + | | | | | | | 1 | 1 | | 1 | H |
| 2 | September 22-Oct. 4 | H | | 22 | 66 | Sept.23 | 26 | 70 | | + | | Sept.30 | 30 | 85 | | 2 | 7 | 3 | | H |
| 3 | October 15-22 | H | | 31 | 39 | Oct. 17 | 30 | 44 | | + | | Oct. 19 | 30 | 49 | | 2 | 5 | 1 | | |
| | 1930 | | | | | | | | | | | | | | | | | | | |
| 1 | August 22-31 | H | | 19 | 52 | Aug. 25 | 24 | 61 | | + | | Aug. 26 | 32 | 66 | | 3 | 2 | 4 | | |
| 2 | August 31-Sept. 17 | H | | 16 | 54 | Aug. 31 | 16 | 56 | | + | | Sept. 7 | 25 | 85 | | 10 | 7 | 1 | | T |
| | 1931 | | | | | | | | | | | | | | | | | | | |
| 1 | June 24-28 | | T | 21 | 84 | | | | + | | | | | | | 3 | | | 1 | T |
| 2 | July 11-17 | | T | 16 | 82 | | | | + | | | | | | | 4 | | | 2 | T |
| 3 | August 10-18 | | T | 14 | 59 | | | | + | | | | | | | 8 | | | * | |
| 4 | August 16-20 | | T | 13 | 58 | | | | | + | | Aug. 20 | 26 | 71 | | 5 | | | * | |
| 5 | September 5-12 | H | | 13 | 56 | Sept. 9 | 17 | 84 | + | | | | | | | 6 | 1 | | 1 | |
| 6 | September 8-16 | H | | 17 | 53 | Sept.10 | 18 | 63 | + | | | | | | | 6 | 2 | | * | |
| 7 | September 25-27 | | T | 22 | 53 | | | | | + | | Sept.25 | 27 | 55 | | 2 | | | 1 | |
| 8 | October 18-22 | | T | 17 | 86 | | | | | | + | | | | | 3 | | | 1 | |
| 9 | November 22-25 | | T | 19 | 62 | | | | + | | | | | | | 4 | | | 1 | |

## Table 5. - Continued.

| Storm Identification | | Maximum Intensity | | Storm Origin | | Hurricane Intensity | | | General Movement | | | Recurvature | | | Number of Days of Given Intensity | | | | | Entered U. S. x |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Number | Date | Hurricane | Tropical Storm | N. Latitude | W. Longitude | Date | N. Latitude | W. Longitude | West | Recurve | East | Date | N. Latitude | W. Longitude | Development | Tropical Storm | Hurricane | Frontal | Dissipating | |
| | 1932 | | | | | | | | | | | | | | | | | | | |
| 1 | May 5-10 | | T | 12 | 81 | | | | | | + | | | | | 5 | | | * | |
| 2 | August 11-14 | H | | 22 | 90 | Aug. 13 | 26 | 93 | + | | | | | | | 2 | 1 | | * | H |
| 3 | August 26-Sept. 3 | H | | 21 | 70 | Aug. 30 | 27 | 84 | | + | | Sept. 2 | 34 | 90 | | 5 | 1 | | 2 | H |
| 4 | August 30-Sept. 13 | H | | 19 | 62 | Sept. 2 | 22 | 70 | | + | | Sept. 5 | 27 | 78 | | 3 | 7 | 4 | | |
| 5 | September 9-17 | | T | 19 | 93 | | | | | | + | | | | | 7 | | 2 | | T |
| 6 | September 18-21 | | T | 22 | 95 | | | | | | + | | | | | 2 | | | 2 | T |
| 7 | September 25-Oct. 3 | H | | 16 | 56 | Sept.25 | 17 | 58 | + | | | | | | | 6 | 3 | | * | |
| 8 | October 7-18 | | T | 16 | 83 | | | | | + | | Oct. 14 | 24 | 95 | | 9 | | | 3 | T |
| 9 | October 8-11 | | T | 22 | 56 | | | | | + | | Oct. 10 | 33 | 63 | | 4 | | | * | |
| 10 | October 30-Nov. 14 | H | | 18 | 55 | Nov. 1 | 15 | 65 | | + | | Nov. 7 | 16 | 81 | | 2 | 12 | 1 | | |
| 11 | November 3-10 | H | | 13 | 48 | Nov. 7 | 28 | 48 | | | + | | | | | 5 | 2 | 1 | | |
| | 1933 | | | | | | | | | | | | | | | | | | | |
| 1 | May 14-19 | | T | 12 | 79 | | | | + | | | | | | | 4 | | | 1 | |
| 2 | June 27-July 6 | H | | 09 | 56 | June 28 | 12 | 66 | + | | | | | | | 2 | 8 | | * | |
| 3 | July 13-19 | | T | 17 | 59 | | | | + | | | | | | | 6 | | | * | |
| 4 | July 21-27 | | T | 22 | 91 | | | | | + | | July 23 | 30 | 96 | | 3 | | 3 | | T |
| 5 | July 25-Aug. 5 | H | | 16 | 57 | July 26 | 19 | 67 | + | | | | | | | 6 | 5 | | * | H |
| 6 | August 12-20 | | T | 12 | 60 | | | | + | | | | | | | 9 | | | * | T |
| 7 | August 16-21 | | T | 11 | 58 | | | | + | | | | | | | 3 | | | 2 | |
| 8 | August 17-26 | H | | 17 | 48 | Aug. 17 | 19 | 51 | | + | | Aug. 23 | 39 | 77 | | 2 | 6 | | 2 | H |
| 9 | August 24-31 | | T | 20 | 60 | | | | | + | | Aug. 27 | 30 | 70 | | 6 | | 2 | | |
| 10 | August 26-29 | | T | 19 | 94 | | | | + | | | | | | | 3 | | | * | |
| 11 | August 28-Sept. 5 | H | | 18 | 53 | Aug. 30 | 22 | 70 | + | | | | | | | 3 | 5 | | * | H |
| 12 | August 31-Sept. 7 | H | | 19 | 56 | Aug. 31 | 19 | 58 | | + | | Sept. 5 | 31 | 84 | | 2 | 4 | | 2 | H |
| 13 | September 8-21 | H | | 15 | 58 | Sept. 9 | 19 | 58 | | + | | Sept.15 | 34 | 76 | | 2 | 8 | 4 | | H |
| 14 | September 10-15 | H | | 16 | 87 | Sept.12 | 18 | 87 | + | | | | | | | 4 | 2 | | * | |
| 15 | September 16-24 | H | | 11 | 55 | Sept.20 | 17 | 79 | + | | | | | | | 4 | 4 | | * | |
| 16 | September 27-30 | | T | 18 | 58 | | | | | + | | Sept.29 | 18 | 74 | | 3 | | | 1 | |
| 17 | September 28-30 | | T | 11 | 82 | | | | + | | | | | | | 2 | | | 1 | |
| 18 | October 1-9 | H | | 10 | 80 | Oct. 2 | 18 | 80 | | + | | Oct. 4 | 23 | 82 | | 2 | 5 | 2 | | |
| 19 | October 25-Nov. 7 | | T | 14 | 81 | | | | | | + | | | | | 13 | | * | | |
| 20 | October 26-30 | | T | 25 | 74 | | | | | | + | | | | | 3 | | 2 | | |
| 21 | November 15-16 | | T | 12 | 79 | | | | + | | | | | | | 2 | | | * | |
| | 1934 | | | | | | | | | | | | | | | | | | | |
| 1 | May 27-31 | | T | 23 | 85 | | | | | | + | | | | | 2 | | | 2 | T |
| 2 | June 4-21 | H | | 16 | 88 | June 8 | 18 | 88 | | + | | June 11 | 21 | 94 | | 11 | 3 | 3 | | H |
| 3 | July 21-26 | H | | 34 | 76 | July 25 | 28 | 95 | + | | | | | | | 4 | 1 | | 1 | H |
| 4 | August 20-22 | | T | 15 | 57 | | | | + | | | | | | | 2 | | | * | |
| 5 | August 26-Sept. 1 | H | | 27 | 88 | Aug. 27 | 29 | 94 | + | | | | | | | 5 | 1 | | 1 | |
| 6 | September 5-9 | H | | 25 | 73 | Sept. 5 | 25 | 75 | | + | | Sept. 7 | 29 | 77 | | 1 | 3 | 1 | | H |
| 7 | September 16-21 | | T | 12 | 56 | | | | + | | | | | | | 5 | | | * | |
| 8 | October 1-3 | H | | 25 | 35 | Oct. 1 | 27 | 39 | + | | | | | | | 1 | 2 | | * | |
| 9 | October 1-6 | | T | 21 | 83 | | | | | + | | Oct. 4 | 26 | 90 | | 5 | | | * | T |
| 10 | October 19-23 | | T | 16 | 76 | | | | | + | | Oct. 20 | 19 | 78 | | 3 | | | 1 | |
| 11 | November 20-28 | H | | 21 | 57 | Nov. 24 | 29 | 68 | + | | | | | | | 6 | 2 | | 1 | |
| | 1935 | | | | | | | | | | | | | | | | | | | |
| 1 | August 18-26 | H | | 19 | 57 | Aug. 18 | 20 | 59 | | + | | Aug. 21 | 28 | 69 | | * | 7 | 1 | | |
| 2 | August 29-Sept. 10 | H | | 24 | 68 | Sept. 1 | 24 | 77 | | + | | Sept. 4 | 29 | 83 | | 4 | 4 | 3 | | H |
| 3 | August 30-Sept. 1 | | T | 22 | 88 | | | | + | | | | | | | 2 | | | * | |
| 4 | September 23-Oct. 2 | H | | 15 | 73 | Sept.24 | 14 | 77 | | + | | Sept.28 | 22 | 80 | | 1 | 7 | 1 | | |
| 5 | October 18-26 | H | | 12 | 79 | Oct. 19 | 14 | 77 | + | | | | | | | 4 | 4 | | * | |
| 6 | October 30-Nov. 8 | H | | 32 | 60 | Nov. 1 | 33 | 71 | | + | | Nov. 6 | 27 | 87 | | 4 | 4 | | 1 | H |
| | 1936 | | | | | | | | | | | | | | | | | | | |
| 1 | June 12-16 | | T | 17 | 87 | | | | | | + | | | | | 4 | | | 1 | T |
| 2 | June 19-21 | | T | 22 | 89 | | | | + | | | | | | | 3 | | | * | |
| 3 | June 26-27 | H | | 26 | 95 | June 26 | 27 | 96 | + | | | | | | | 1 | 1 | | * | H |
| 4 | July 26-27 | | T | 23 | 84 | | | | + | | | | | | | 2 | | | * | T |
| 5 | July 27-Aug. 1 | H | | 24 | 74 | July 30 | 28 | 84 | + | | | | | | | 3 | 1 | | 1 | H |
| 6 | August 4-10 | | T | 19 | 60 | | | | | + | | Aug. 7 | 30 | 70 | | 6 | | 1 | | |
| 7 | August 7-12 | | T | 25 | 85 | | | | + | | | | | | | 6 | | | * | |
| 8 | August 15-19 | H | | 20 | 87 | Aug. 16 | 24 | 90 | + | | | | | | | 2 | 3 | | * | |
| 9 | August 20-22 | | T | 25 | 75 | | | | + | | | | | | | 2 | | | 1 | T |
| 10 | August 28-30 | H | | 18 | 86 | Aug. 29 | 21 | 93 | + | | | | | | | 2 | 1 | | * | |
| 11 | August 28-Sept. 6 | H | | 17 | 40 | Aug. 28 | 17 | 43 | | + | | Sept. 2 | 30 | 59 | | * | 9 | 1 | | |
| 12 | September 7 | | T | 21 | 57 | | | | + | | | | | | | 1 | | | * | |
| 13 | September 8-25 | H | | 13 | 49 | Sept.10 | 18 | 56 | | + | | Sept.18 | 36 | 75 | | 2 | 11 | | 5 | H |
| 14 | September 10-14 | | T | 19 | 93 | | | | + | | | | | | | 4 | | | 1 | T |
| 15 | September 19-24 | H | | 20 | 63 | Sept.20 | 24 | 68 | | + | | Sept.21 | 27 | 71 | | 1 | 5 | * | | |
| 16 | October 9-11 | | T | 19 | 91 | | | | + | | | | | | | 1 | | | 1 | |

## Table 5. - Continued.

| Storm Identification | | Maximum Intensity | | Storm Origin | | Hurricane Intensity | | | General Movement | | | Recurvature | | | Number of Days of Given Intensity | | | | | Entered U. S.x |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Number | Date | Hurricane | Tropical Storm | N. Latitude | W. Longitude | Date | N. Latitude | W. Longitude | West | Recurve | East | Date | N. Latitude | W. Longitude | Development | Tropical Storm | Hurricane | Frontal | Dissipating | |
| | 1937 | | | | | | | | | | | | | | | | | | | |
| 1 | July 29-August 2 | | T | 25 | 85 | | | | | | + | | | | | 4 | | | 1 | T |
| 2 | August 2-8 | | T | 23 | 74 | | | | | + | | Aug. | 4 | 30 | 77 | 6 | | | * | |
| 3 | August 24-Sept. 2 | | T | 18 | 60 | | | | + | | | | | | | 7 | | | 3 | T |
| 4 | September 9-14 | H | | 18 | 54 | Sept. | 9 | 19 | 54 | + | | | | | | 1 | 5 | | * | |
| 5 | September 13-19 | H | | 16 | 56 | Sept. | 14 | 19 | 58 | | + | | Sept. | 14 | 20 | 58 | 2 | 5 | | * | |
| 6 | September 16-21 | | T | 20 | 92 | | | | | | + | | | | | 5 | | | 1 | T |
| 7 | September 20-28 | H | | 15 | 41 | Sept. | 20 | 16 | 45 | | + | | Sept. | 26 | 44 | 63 | 1 | 6 | 2 | | |
| 8 | September 26-30 | | T | 23 | 79 | | | | | | + | | | | | | 2 | | | 2 | |
| 9 | September 29-Oct. 3 | | T | 17 | 85 | | | | + | | | | | | | | 4 | | | 1 | T |
| | 1938 | | | | | | | | | | | | | | | | | | | | |
| 1 | August 8 | | T | 18 | 62 | | | | + | | | | | | | | 1 | | | * | |
| 2 | August 9-14 | H | | 11 | 58 | Aug. | 11 | 16 | 75 | + | | | | | | | 2 | 3 | | * | H |
| 3 | August 23-28 | H | | 14 | 73 | Aug. | 23 | 15 | 76 | + | | | | | | | 1 | 5 | | * | |
| 4 | September 10-22 | H | | 14 | 21 | Sept. | 14 | 17 | 46 | | + | | Sept. | 20 | 29 | 75 | 5 | 6 | 2 | | H |
| 5 | October 10-17 | | T | 16 | 88 | | | | | + | | | | | | | 6 | | | 1 | T |
| 6 | October 17-20 | | T | 33 | 63 | | | | + | | | | | | | | 3 | | | 1 | |
| 7 | October 23-24 | | T | 22 | 96 | | | | | | + | | | | | | 1 | | 1 | | T |
| 8 | November 6-10 | | T | 17 | 81 | | | | + | | | | | | | | 3 | | | 1 | |
| | 1939 | | | | | | | | | | | | | | | | | | | | |
| 1 | June 12-16 | | T | 17 | 88 | | | | + | | | | | | | | 4 | | | 1 | T |
| 2 | August 7-20 | H | | 19 | 64 | Aug. | 11 | 27 | 79 | | + | | Aug. | 14 | 32 | 87 | 5 | 1 | | 6 | H |
| 3 | September 23-26 | | T | 19 | 94 | | | | | | + | | | | | | 3 | | | * | T |
| 4 | October 12-18 | H | | 19 | 63 | Oct. | 14 | 25 | 68 | | + | | Oct. | 14 | 25 | 68 | 2 | 3 | 1 | | |
| 5 | October 29-Nov. 6 | H | | 16 | 82 | Oct. | 31 | 19 | 83 | | + | | Oct. | 29 | 18 | 85 | 7 | 1 | * | | |
| | 1940 | | | | | | | | | | | | | | | | | | | | |
| 1 | May 19-26 | | T | 21 | 72 | | | | | | + | | | | | 6 | | | 1 | |
| 2 | August 2-10 | H | | 31 | 79 | Aug. | 5 | 28 | 90 | | + | | Aug. | 8 | 33 | 95 | 4 | 2 | | 2 | H |
| 3 | August 5-15 | H | | 18 | 62 | Aug. | 8 | 26 | 74 | | + | | Aug. | 13 | 36 | 85 | 6 | 4 | 1 | | H |
| 4 | August 30-Sept. 3 | H | | 28 | 69 | Aug. | 30 | 30 | 72 | | + | | Aug. | 31 | 34 | 75 | 1 | 3 | | 1 | |
| 5 | September 10-19 | H | | 19 | 56 | Sept. | 12 | 22 | 67 | | + | | Sept. | 13 | 25 | 72 | 3 | 4 | 2 | | |
| 6 | September 19-24 | | T | 11 | 82 | | | | | | + | | Sept. | 23 | 28 | 95 | 5 | | | 1 | T |
| 7 | October 20-23 | | T | 10 | 79 | | | | + | | | | | | | | 3 | | | * | |
| 8 | October 24-25 | | T | 20 | 73 | | | | | | + | | | | | | 1 | | | * | |
| | 1941 | | | | | | | | | | | | | | | | | | | | |
| 1 | September 11-16 | | T | 27 | 87 | | | | + | | | | | | | | 4 | | | 1 | T |
| 2 | September 16-25 | H | | 26 | 83 | Sept. | 18 | 26 | 90 | | + | | Sept. | 23 | 28 | 95 | 3 | 5 | 1 | | H |
| 3 | September 18-25 | H | | 27 | 79 | Sept. | 18 | 29 | 77 | | | + | | | | | 3 | 4 | | 1 | |
| 4 | September 23-30 | H | | 14 | 58 | Sept. | 25 | 14 | 71 | + | | | | | | | 3 | 3 | | 1 | |
| 5 | October 3-14 | H | | 23 | 63 | Oct. | 4 | 23 | 68 | | + | | Oct. | 7 | 30 | 85 | 6 | 3 | 2 | | H |
| 6 | October 15-21 | | T | 21 | 69 | | | | | | + | | Oct. | 19 | 27 | 84 | 5 | | | 1 | T |
| | 1942 | | | | | | | | | | | | | | | | | | | | |
| 1 | August 17-22 | H | | 21 | 86 | Aug. | 19 | 28 | 90 | | + | | Aug. | 21 | 32 | 96 | 2 | 2 | | 1 | H |
| 2 | August 21-31 | H | | 14 | 59 | Aug. | 24 | 16 | 77 | + | | | | | | | 4 | 5 | | 1 | H |
| 3 | August 25-Sept. 2 | H | | 27 | 62 | Aug. | 25 | 28 | 63 | | + | | Aug. | 25 | 31 | 64 | 4 | 4 | | 1 | |
| 4 | September 15-22 | | T | 14 | 58 | | | | | + | | | | | | | 6 | | | 1 | |
| 5 | September 18-24 | | T | 30 | 66 | | | | | | + | | Sept. | 21 | 36 | 67 | 4 | | 3 | | |
| 6 | September 27-29 | | T | 28 | 61 | | | | | | + | | Sept. | 28 | 31 | 68 | 3 | | | * | |
| 7 | October 1-5 | | T | 23 | 72 | | | | | | | + | | | | | 3 | | 1 | | |
| 8 | October 10-12 | | T | 29 | 70 | | | | | + | | | | | | | 2 | | | 1 | T |
| 9 | October 13-18 | | T | 19 | 76 | | | | | | + | | | | | | 4 | | 1 | | |
| 10 | November 4-11 | H | | 18 | 65 | Nov. | 6 | 23 | 76 | | + | | Nov. | 10 | 22 | 92 | 4 | 2 | | 1 | |
| | 1943 | | | | | | | | | | | | | | | | | | | | |
| 1 | July 25-29 | H | | 28 | 88 | July | 25 | 28 | 89 | + | | | | | | | 1 | 2 | | 1 | H |
| 2 | August 13-19 | | T | 17 | 60 | | | | | | + | | Aug. | 17 | 31 | 75 | 6 | | | * | |
| 3 | August 19-27 | H | | 13 | 55 | Aug. | 19 | 15 | 57 | | + | | Aug. | 24 | 32 | 68 | 1 | 6 | 2 | | |
| 4 | September 1-9 | H | | 23 | 58 | Sept. | 1 | 24 | 59 | | + | | Sept. | 8 | 40 | 65 | 1 | 8 | * | | |
| 5 | September 13-16 | | T | 27 | 74 | | | | | | | + | | | | | 2 | | 2 | | |
| 6 | September 15-19 | H | | 23 | 94 | Sept. | 15 | 25 | 94 | | + | | Sept. | 17 | 27 | 96 | 1 | 3 | | * | T |
| 7 | September 28-Oct. 1 | | T | 29 | 66 | | | | | + | | | | | | | 3 | | | 1 | T |
| 8 | October 1-3 | | T | 26 | 59 | | | | | | + | | Oct. | 2 | 35 | 66 | 2 | | 1 | | |
| 9 | October 11-17 | H | | 13 | 59 | Oct. | 12 | 14 | 64 | | + | | Oct. | 16 | 30 | 69 | 2 | 4 | 1 | | T |
| 10 | October 20-22 | | T | 15 | 80 | | | | | + | | | | | | | 2 | | | * | |
| | 1944 | | | | | | | | | | | | | | | | | | | | |
| 1 | July 13-19 | H | | 19 | 68 | July | 15 | 30 | 76 | | + | | July | 15 | 29 | 76 | 2 | 2 | 2 | | |
| 2 | July 24-28 | | T | 11 | 56 | | | | | + | | | | | | | 3 | | | 1 | |
| 3 | July 30-Aug. 4 | H | | 23 | 70 | July | 31 | 26 | 75 | | + | | Aug. | 1 | 35 | 78 | 3 | 1 | | 1 | H |
| 4 | August 16-23 | H | | 12 | 57 | Aug. | 18 | 15 | 66 | + | | | | | | | 3 | 4 | | * | |
| 5 | August 19-22 | | T | 23 | 88 | | | | | + | | | | | | | 3 | | | * | |
| 6 | September 8-10 | | T | 22 | 94 | | | | | | + | | | | | | 2 | | | * | T |
| 7 | September 9-16 | H | | 20 | 55 | Sept. | 9 | 20 | 56 | | + | | Sept. | 13 | 32 | 76 | 1 | 6 | 1 | | H |
| 8 | September 19-22 | H | | 19 | 83 | Sept. | 19 | 20 | 84 | + | | | | | | | 1 | 2 | | 1 | |
| 9 | September 21-28 | H | | 17 | 40 | Sept. | 24 | 29 | 56 | | + | | Sept. | 24 | 27 | 56 | 3 | 3 | 1 | | |
| 10 | October 1-2 | | T | 15 | 57 | | | | | + | | | | | | | 2 | | | * | |
| 11 | October 12-23 | H | | 15 | 80 | Oct. | 12 | 17 | 81 | | + | | Oct. | 17 | 21 | 83 | 2 | 6 | 3 | | H |

## Table 5. - Continued.

| Storm Identification | | Maximum Intensity | | Storm Origin | | Hurricane Intensity | | | General Movement | | | Recurvature | | | Number of Days of Given Intensity | | | | | Entered U. S.x |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Number | Date | Hurricane | Tropical Storm | N. Latitude | W. Longitude | Date | N. Latitude | W. Longitude | West | Recurve | East | Date | N. Latitude | W. Longitude | Development | Tropical Storm | Hurricane | Frontal | Dissipating | |
| | 1945 | | | | | | | | | | | | | | | | | | | |
| 1 | June 20-July 1 | H | | 17 | 85 | June 23 | 28 | 86 | | + | | June 22 | 26 | 87 | | 6 | 1 | 3 | | H |
| 2 | July 19-21 | | T | 25 | 92 | | | | + | | | | | | | 2 | | | 1 | D |
| 3 | August 1-4 | | T | 12 | 56 | | | | + | | | | | | | 3 | | | * | |
| 4 | August 17-20 | | T | 17 | 55 | | | | + | | | | | | | 3 | | | * | |
| 5 | August 24-29 | H | | 19 | 94 | Aug. 24 | 22 | 95 | + | | | | | | | 1 | 4 | | 1 | H |
| 6 | August 29-31 | | T | 13 | 83 | | | | + | | | | | | | 2 | | | 1 | |
| 7 | September 3-6 | | T | 20 | 84 | | | | + | | | | | | | 1 | | | 2 | T |
| 8 | September 9-12 | | T | 18 | 60 | | | | + | | | | | | | 3 | | | * | |
| 9 | September 11-20 | H | | 19 | 55 | Sept.11 | 19 | 57 | | + | | Sept.16 | 28 | 82 | | 2 | 5 | 2 | | H |
| 10 | October 2-5 | H | | 15 | 80 | Oct. 2 | 16 | 82 | + | | | | | | | 1 | 2 | | 1 | |
| | 1946 | | | | | | | | | | | | | | | | | | | |
| 1 | June 13-16 | | T | 27 | 85 | | | | + | | | | | | | 3 | | | * | T |
| 2 | July 5-10 | H | | 29 | 79 | July 7 | 37 | 72 | | + | | July 5 | 31 | 80 | | 2 | 2 | 2 | | T |
| 3 | August 25 | | T | 20 | 93 | | | | + | | | | | | | 1 | | | * | |
| 4 | September 12-17 | H | | 23 | 79 | Sept.12 | 26 | 78 | | | + | | | | | 1 | 2 | 3 | | |
| 5 | October 5-14 | H | | 18 | 87 | Oct. 6 | 20 | 86 | | | + | | | | | 3 | 2 | 5 | | H |
| 6 | October 31-Nov. 3 | | T | 20 | 71 | | | | | + | | Nov. 2 | 29 | 82 | | 2 | | | 2 | T |
| | 1947 | | | | | | | | | | | | | | | | | | | |
| 1 | July 31-August 2 | | T | 19 | 92 | | | | + | | | | | | | 2 | | | 1 | T |
| 2 | August 9-15 | H | | 14 | 75 | Aug. 13 | 21 | 92 | + | | | | | | | 5 | 2 | | * | |
| 3 | August 18-27 | H | | 24 | 80 | Aug. 22 | 27 | 90 | + | | | | | | | 5 | 2 | | 2 | H |
| 4 | September 4-21 | H | | 14 | 20 | Sept. 4 | 14 | 24 | | + | | Sept.20 | 33 | 95 | | 1 | 15 | 1 | | H |
| 5 | September 7-8 | | T | 28 | 85 | | | | + | | | | | | | 1 | | | * | T |
| 6 | September 20-25 | | T | 19 | 78 | | | | | + | | Sept.22 | 24 | 84 | | 4 | | 1 | | T |
| 7 | October 6-8 | | T | 22 | 77 | | | | | + | | Oct. 7 | 30 | 85 | | 1 | | | 1 | T |
| 8 | October 9-16 | H | | 15 | 82 | Oct. 11 | 24 | 83 | | + | | Oct. 10 | 21 | 84 | | 3 | 4 | | * | H |
| 9 | October 16-21 | H | | 18 | 63 | Oct. 17 | 20 | 67 | | + | | Oct. 18 | 25 | 71 | | 1 | 4 | 1 | | |
| | 1948 | | | | | | | | | | | | | | | | | | | |
| 1 | May 22-28 | | T | 14 | 75 | | | | | | + | | | | | 6 | | | 1 | |
| 2 | July 7-11 | | T | 26 | 91 | | | | | | + | | | | | 2 | | | 2 | T |
| 3 | August 26-Sept. 4 | H | | 19 | 59 | Aug. 26 | 21 | 61 | | + | | Aug. 30 | 32 | 76 | | * | 6 | 4 | | |
| 4 | August 30-Sept. 1 | | T | 14 | 53 | | | | + | | | | | | | 1 | | | 1 | |
| 5 | September 1-6 | H | | 24 | 95 | Sept. 3 | 26 | 92 | | | + | | | | | 3 | 1 | | 2 | H |
| 6 | September 4-16 | H | | 14 | 20 | Sept. 4 | 14 | 23 | | + | | Sept.13 | 32 | 66 | | 1 | 11 | 1 | | |
| 7 | September 18-25 | H | | 18 | 79 | Sept.18 | 19 | 81 | | + | | Sept.20 | 22 | 82 | | 1 | 6 | 1 | | H |
| 8 | October 3-15 | H | | 15 | 82 | Oct. 4 | 20 | 85 | | + | | Oct. 4 | 19 | 85 | | 8 | 5 | | * | H |
| 9 | November 8-10 | H | | 25 | 64 | Nov. 8 | 26 | 68 | | + | | Nov. 10 | 32 | 75 | | 1 | 2 | * | | |
| | 1949 | | | | | | | | | | | | | | | | | | | |
| 1 | August 21-28 | H | | 21 | 62 | Aug. 21 | 23 | 65 | | + | | Aug. 23 | 32 | 76 | | 1 | 4 | 3 | | |
| 2 | August 23-31 | H | | 18 | 59 | Aug. 25 | 23 | 73 | | + | | Aug. 27 | 31 | 83 | | 4 | 2 | 2 | | H |
| 3 | August 30-Sept. 2 | | T | 12 | 55 | | | | + | | | | | | | 2 | | | 1 | |
| 4 | September 3-11 | H | | 18 | 65 | Sept. 3 | 21 | 67 | | + | | Sept. 4 | 25 | 67 | | 1 | 6 | 2 | | |
| 5 | September 3-5 | | T | 24 | 89 | | | | | + | | Sept. 4 | 30 | 91 | | 2 | | | 1 | T |
| 6 | September 5-11 | | T | 27 | 40 | | | | | + | | Sept.10 | 36 | 45 | | 6 | | | * | |
| 7 | September 13-17 | | T | 15 | 34 | | | | | | + | | | | | 3 | | | 1 | |
| 8 | September 20-26 | H | | 26 | 92 | Sept.23 | 23 | 95 | + | | | | | | | 4 | 3 | | * | |
| 9 | September 21-22 | H | | 16 | 62 | Sept.21 | 16 | 65 | + | | | | | | | 1 | 1 | | * | |
| 10 | September 27-Oct. 6 | H | | 13 | 90 | Oct. 2 | 22 | 94 | | + | | Oct. 3 | 27 | 96 | | 7 | 2 | | 1 | H |
| 11 | October 12-19 | H | | 18 | 79 | Oct. 14 | 24 | 72 | | | + | | | | | 2 | 4 | 2 | | |
| 12 | October 13-16 | | T | 22 | 49 | | | | | + | | Oct. 15 | 33 | 57 | | 3 | | | 1 | |
| 13 | November 3-4 | | T | 18 | 82 | | | | | + | | Nov. 4 | 16 | 84 | | 1 | | | 1 | |
| | 1950 | | | | | | | | | | | | | | | | | | | |
| 1 | August 11-22 | H | | 16 | 54 | Aug. 13 | 21 | 62 | | + | | Aug. 19 | 31 | 76 | | 3 | 8 | | 1 | |
| 2 | August 20-Sept. 1 | H | | 16 | 55 | Aug. 20 | 16 | 58 | | + | | Aug. 29 | 26 | 89 | | 5 | 4 | | 4 | H |
| 3 | August 21-Sept. 5 | H | | 14 | 23 | Aug. 27 | 22 | 53 | | + | | Sept. 2 | 35 | 62 | | 7 | 8 | | 1 | |
| 4 | August 30-Sept. 17 | H | | 15 | 55 | Aug. 30 | 16 | 57 | | + | | Sept.11 | 35 | 72 | | 1 | 12 | 6 | | |
| 5 | September 1-9 | H | | 19 | 84 | Sept. 2 | 21 | 83 | + | | | | | | | 2 | 4 | | 2 | H |
| 6 | September 8-16 | H | | 16 | 40 | Sept.10 | 19 | 50 | | + | | Sept.14 | 27 | 60 | | 2 | 6 | 1 | | |
| 7 | September 27-Oct. 7 | H | | 24 | 53 | Sept.30 | 30 | 64 | | + | | Oct. 3 | 33 | 68 | | 4 | 4 | 3 | | |
| 8 | October 1-4 | | T | 25 | 88 | | | | + | | | | | | | 4 | | | * | |
| 9 | October 8-10 | H | | 21 | 91 | Oct. 9 | 21 | 93 | + | | | | | | | 1 | 2 | | * | |
| 10 | October 11-17 | H | | 24 | 47 | Oct. 13 | 26 | 56 | | + | | Oct. 14 | 31 | 61 | | 2 | 4 | | * | |
| 11 | October 13-19 | H | | 16 | 89 | Oct. 15 | 18 | 79 | + | | | | | | | 3 | 3 | | 1 | H |
| 12 | October 17-24 | | T | 22 | 42 | | | | | + | | Oct. 18 | 25 | 45 | | 6 | | | 1 | |
| 13 | October 18-21 | H | | 27 | 89 | Oct. 18 | 28 | 91 | | + | | Oct. 19 | 26 | 92 | | 1 | 2 | | 1 | T |

## Table 5. - Continued.

| Storm Identification | | | Maximum Intensity | | Storm Origin | | Hurricane Intensity | | | General Movement | | | Recurvature | | | Number of Days of Given Intensity | | | | | Entered U. S.x |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Number | Date | Name | Hurricane | Tropical Storm | N. Latitude | W. Longitude | Date | N. Latitude | W. Longitude | West | Recurve | East | Date | N. Latitude | W. Longitude | Development | Tropical Storm | Hurricane | Frontal | Dissipating | |
| | 1951 | | | | | | | | | | | | | | | | | | | | |
| 1 | May 15-24 | Able | H | | 28 | 65 | May 17 | 29 | 78 | | + | | May 17 | 28 | 79 | 2 | 2 | 6 | 1 | | |
| 2 | Aug. 2-5 | Baker | | T | 21 | 51 | | | | | + | | Aug. 4 | 34 | 61 | * | 3 | | | * | |
| 3 | Aug. 12-23 | Charlie | H | | 12 | 45 | Aug. 15 | 15 | 62 | + | | | | | | 3 | 1 | 7 | | 1 | |
| 4 | Aug.27-Sept5 | Dog | H | | 12 | 26 | Sept. 1 | 14 | 59 | + | | | | | | 4 | 3 | 2 | | 1 | |
| 5 | Sept. 2-13 | Easy | H | | 13 | 36 | Sept. 3 | 16 | 43 | | + | | Sept. 7 | 27 | 68 | * | 1 | 9 | 2 | | |
| 6 | Sept. 2-11 | Fox | H | | 13 | 19 | Sept. 4 | 15 | 36 | | + | | Sept. 8 | 33 | 60 | 1 | 1 | 6 | 1 | | |
| 7 | Sept. 20-21 | George | | T | 20 | 92 | | | | + | | | | | | * | 2 | | | * | |
| 8 | Sept.28-Oct8 | How | H | | 18 | 84 | Oct. 2 | 29 | 79 | | + | | Sept.30 | 25 | 88 | 3 | 2 | 4 | 2 | | T |
| 9 | Oct. 12-17 | Item | H | | 14 | 78 | Oct. 13 | 19 | 82 | + | | | | | | 1 | 3 | 1 | | 1 | |
| 10 | Oct. 15-20 | Jig | H | | 27 | 75 | Oct. 15 | 30 | 75 | | | + | | | | * | 4 | 1 | | 1 | |
| | 1952 | | | | | | | | | | | | | | | | | | | | |
| 1 | Feb. 2-4 | | | T | 17 | 87 | | | | | + | | Feb. 2 | 19 | 88 | * | 2 | | 1 | | T |
| 2 | Aug.18-Sept2 | Able | H | | 14 | 19 | Aug. 27 | 22 | 65 | | + | | Aug. 31 | 35 | 81 | 6 | 4 | 4 | 1 | | H |
| 3 | Aug.31-Sept9 | Baker | H | | 15 | 57 | Aug. 31 | 18 | 59 | | + | | Sept. 4 | 32 | 71 | * | 1 | 7 | 2 | | |
| 4 | Sept.22-Oct1 | Charlie | H | | 14 | 62 | Sept.25 | 25 | 74 | | + | | Sept.25 | 27 | 75 | 1 | 2 | 4 | 2 | | |
| 5 | Sept. 25-28 | Dog | H | | 13 | 50 | Sept.26 | 16 | 54 | + | | | | | | * | 3 | 1 | | * | |
| 6 | Oct. 6-11 | Easy | H | | 15 | 51 | Oct. 8 | 17 | 51 | + | | | | | | 1 | 3 | 1 | | 1 | |
| 7 | Oct. 20-28 | Fox | H | | 11 | 77 | Oct. 22 | 17 | 82 | | + | | Oct. 22 | 17 | 82 | 1 | 2 | 5 | | 1 | |
| | 1953 | | | | | | | | | | | | | | | | | | | | |
| 1 | May 26-June 6 | Alice | | T | 12 | 81 | | | | | + | | June 1 | 24 | 86 | * | 12 | | | * | T |
| 2 | Aug. 11-16 | Barbara | H | | 22 | 73 | Aug. 12 | 29 | 76 | | + | | Aug. 13 | 34 | 76 | * | 1 | 3 | 1 | | H |
| 3 | Aug.28-Sept2 | | | T | 21 | 81 | | | | | + | | Aug. 28 | 24 | 84 | * | 4 | | | 2 | T |
| 4 | Aug.28-Sept9 | Carol | H | | 16 | 20 | Sept. 1 | 14 | 49 | | + | | Sept. 6 | 36 | 71 | 3 | 2 | 6 | 2 | | |
| 5 | Sept. 8-17 | Dolly | H | | 20 | 64 | Sept. 9 | 20 | 69 | | + | | Sept.10 | 25 | 71 | * | 2 | 2 | 5 | | |
| 6 | Sept. 14-20 | Edna | H | | 15 | 61 | Sept.15 | 21 | 67 | | + | | Sept.16 | 26 | 71 | * | 1 | 3 | 2 | | |
| 7 | Sept. 14-20 | | | T | 23 | 95 | | | | | | + | | | | * | 6 | | | 1 | T |
| 8 | Sept. 23-28 | Florence | H | | 17 | 75 | Sept.24 | 20 | 84 | | + | | Sept.25 | 26 | 88 | * | 1 | 2 | 2 | | H |
| 9 | Oct. 2-5 | Gail | H | | 13 | 35 | Oct. 3 | 15 | 43 | + | | | | | | * | 2 | 1 | | 1 | |
| 10 | Oct. 3-10 | | | T | 20 | 78 | | | | | + | | Oct. 4 | 23 | 80 | * | 3 | | 4 | | |
| 11 | Oct. 5-8 | | | T | 17 | 39 | | | | + | | | | | | * | 3 | | | * | |
| 12 | Oct. 7-12 | Hazel | | T | 19 | 86 | | | | | | + | | | | * | 4 | | 2 | | T |
| 13 | Nov. 23-26 | | | T | 21 | 56 | | | | | | + | | | | * | 3 | | | 1 | |
| 14 | Dec. 7-9 | | | T | 21 | 51 | | | | + | | | | | | * | 1 | | | 1 | |
| | 1954 | | | | | | | | | | | | | | | | | | | | |
| 1 | June 24-26 | Alice | H | | 21 | 93 | June 24 | 24 | 95 | + | | | | | | * | 1 | 1 | | 1 | |
| 2 | July 27-30 | Barbara | | T | 27 | 88 | | | | + | | | | | | 2 | 1 | | | 1 | T |
| 3 | Aug. 25-31 | Carol | H | | 24 | 75 | Aug. 26 | 29 | 76 | | + | | Aug. 29 | 31 | 78 | 1 | 1 | 5 | * | | H |
| 4 | Aug.31-Sept4 | Dolly | H | | 19 | 68 | Aug. 31 | 25 | 70 | | + | | Sept. 1 | 31 | 70 | * | 1 | 2 | 2 | | |
| 5 | Sept. 2-14 | Edna | H | | 11 | 56 | Sept. 6 | 22 | 71 | | + | | Sept. 9 | 30 | 76 | 2 | 2 | 5 | 3 | | H |
| 6 | Sept. 11-12 | Florence | H | | 20 | 92 | Sept.11 | 21 | 96 | + | | | | | | * | 1 | 1 | | * | |
| 7 | Sept. 24-27 | Gilda | | T | 14 | 76 | | | | + | | | | | | * | 3 | | | * | |
| 8 | Sept.25-Oct6 | | H | | 28 | 56 | Oct. 1 | 31 | 53 | | + | | Oct. 2 | 30 | 57 | 4 | 3 | 4 | 1 | | |
| 9 | Oct. 5-18 | Hazel | H | | 12 | 58 | Oct. 5 | 13 | 61 | | + | | Oct. 15 | 32 | 79 | * | 1 | 10 | 3 | | H |
| 10 | Nov. 16-21 | | | T | 24 | 43 | | | | + | | | | | | * | 4 | | | 1 | |
| 11 | Dec. 30,1954 Jan. 5,1955 | Alice | H | | 22 | 50 | Dec. 31 | 21 | 55 | + | | | | | | * | 2 | 4 | | 1 | |
| | 1955 | | | | | | | | | | | | | | | | | | | | |
| 1 | July 31-Aug2 | Brenda | | T | 27 | 88 | | | | + | | | | | | * | 2 | | | 1 | T |
| 2 | Aug. 3-14 | Connie | H | | 15 | 34 | Aug. 4 | 18 | 54 | | + | | Aug. 11 | 33 | 77 | * | 3 | 8 | | 1 | H |
| 3 | Aug. 7-21 | Diane | H | | 17 | 43 | Aug. 10 | 22 | 60 | | + | | Aug. 17 | 38 | 79 | 3 | 4 | 7 | 1 | | H |
| 4 | Aug.21-Sept3 | Edith | H | | 12 | 40 | Aug. 24 | 20 | 55 | | + | | Aug. 28 | 28 | 64 | 2 | 2 | 6 | 3 | | |
| 5 | Aug. 23-29 | | | T | 17 | 79 | | | | | + | | Aug. 28 | 34 | 96 | * | 5 | | | 1 | T |
| 6 | Sept. 2-9 | Flora | H | | 19 | 29 | Sept. 3 | 21 | 40 | | + | | Sept. 7 | 33 | 56 | * | 1 | 6 | 1 | | |
| 7 | Sept. 4-6 | Gladys | H | | 20 | 94 | Sept. 5 | 23 | 96 | + | | | | | | * | 2 | 1 | | * | |
| 8 | Sept. 10-19 | Hilda | H | | 16 | 61 | Sept.12 | 20 | 79 | + | | | | | | 1 | 2 | 6 | | * | |
| 9 | Sept. 10-23 | Ione | H | | 15 | 43 | Sept.14 | 19 | 62 | | + | | Sept.19 | 36 | 77 | * | 6 | 5 | 3 | | H |
| 10 | Sept. 21-29 | Janet | H | | 13 | 54 | Sept.22 | 13 | 58 | + | | | | | | * | 1 | 8 | | * | |
| 11 | Oct. 10-14 | | | T | 28 | 41 | | | | | + | | Oct. 11 | 29 | 45 | * | 4 | | 1 | | |
| 12 | Oct. 14-19 | Katie | H | | 11 | 78 | Oct. 15 | 14 | 76 | | | + | | | | * | 4 | 1 | 1 | | |
| | 1956 | | | | | | | | | | | | | | | | | | | | |
| 1 | June 11-14 | | | T | 22 | 91 | | | | + | | | | | | * | 2 | | | 1 | T |
| 2 | July 25-26 | Anna | H | | 20 | 92 | July 26 | 22 | 97 | + | | | | | | * | 1 | * | | * | |
| 3 | Aug. 9-19 | Betsy | H | | 13 | 47 | Aug. 9 | 14 | 53 | | + | | Aug. 14 | 27 | 77 | * | 1 | 8 | 2 | | |
| 4 | Sept. 5-11 | Carla | | T | 21 | 75 | | | | | | + | | | | * | 6 | | | 1 | |
| 5 | Sept. 10-12 | Dora | | T | 20 | 91 | | | | + | | | | | | * | 3 | | | * | |
| 6 | Sept. 11-13 | Ethel | | T | 24 | 75 | | | | | | + | | | | * | 1 | | | 1 | |
| 7 | Sept. 21-30 | Flossy | H | | 17 | 87 | Sept.23 | 27 | 91 | | + | | Sept.23 | 26 | 91 | 2 | 2 | 1 | 5 | | H |
| 8 | Oct.30-Nov.6 | Greta | H | | 17 | 75 | Nov. 3 | 23 | 70 | | | + | | | | 3 | 2 | 2 | 1 | | |
| | 1957 | | | | | | | | | | | | | | | | | | | | |
| 1 | June 8-14 | | | T | 25 | 89 | | | | | | + | | | | * | 2 | | 5 | | T |
| 2 | June 25-28 | Audrey | H | | 20 | 93 | June 25 | 22 | 93 | | | + | | | | * | 1 | 2 | 1 | | H |
| 3 | Aug. 8-11 | Bertha | | T | 27 | 89 | | | | + | | | | | | * | 2 | | | 1 | T |
| 4 | Sept. 2-24 | Carrie | H | | 13 | 21 | Sept. 5 | 15 | 33 | | + | | Sept.17 | 35 | 64 | 1 | 2 | 17 | 2 | | |
| 5 | Sept. 7-8 | Debbie | | T | 24 | 90 | | | | | | + | | | | * | 1 | | | * | T |
| 6 | Sept. 16-19 | Esther | | T | 22 | 93 | | | | | | + | | | | * | 2 | | | 1 | T |
| 7 | Sept. 20-27 | Frieda | H | | 32 | 66 | Sept.25 | 36 | 65 | | + | | Sept.23 | 29 | 72 | 2 | 3 | 1 | 1 | | |
| 8 | Oct. 22-27 | | | T | 22 | 58 | | | | | + | | Oct. 24 | 27 | 66 | 1 | 3 | | 1 | | |

Table 5. - Concluded.

| Storm Identification | | | Maximum Intensity | | Storm Origin | | Hurricane Intensity | | | General Movement | | | Recurvature | | | Number of Days of Given Intensity | | | | | Entered U. S.x |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Number | Date | Name | Hurricane | Tropical Storm | N. Latitude | W. Longitude | Date | N. Latitude | W. Longitude | West | Recurve | East | Date | N. Latitude | W. Longitude | Development | Tropical Storm | Hurricane | Frontal | Dissipating | |
| | 1958 | | | | | | | | | | | | | | | | | | | | |
| 1 | June 14-16 | Alma | | T | 21 | 94 | | | | + | | | | | | * | 2 | | | 1 | |
| 2 | Aug. 8-17 | Becky | | T | 15 | 20 | | | | | + | | Aug. 15 | 29 | 74 | 3 | 4 | | 2 | | |
| 3 | Aug. 11-21 | Cleo | H | | 11 | 21 | Aug. 12 | 12 | 36 | | + | | Aug. 18 | 33 | 57 | * | 1 | 8 | 2 | | |
| 4 | Aug. 24-31 | Daisy | H | | 25 | 74 | Aug. 25 | 27 | 76 | | + | | Aug. 26 | 28 | 77 | * | 2 | 4 | 2 | | |
| 5 | Aug.30-Sept6 | Ella | H | | 14 | 56 | Aug. 31 | 16 | 67 | + | | | | | | 1 | 5 | 2 | | * | T |
| 6 | Sept. 4-12 | Fifi | H | | 10 | 45 | Sept. 6 | 16 | 56 | | + | | Sept.10 | 26 | 67 | 1 | 5 | 3 | | * | |
| 7 | Sept. 13-15 | Gerda | | T | 15 | 61 | | | | + | | | | | | * | 2 | | | * | |
| 8 | Sept.21-Oct3 | Helene | H | | 18 | 52 | Sept.24 | 27 | 72 | | + | | Sept.26 | 32 | 78 | 2 | 1 | 5 | 5 | | |
| 9 | Sept. 24-29 | Ilsa | H | | 17 | 51 | Sept.25 | 18 | 57 | | + | | Sept.28 | 28 | 62 | * | 2 | 4 | * | | |
| 10 | Oct. 5-12 | Janice | H | | 19 | 82 | Oct. 7 | 26 | 76 | | | + | | | | 1 | 1 | 5 | 1 | | |

x
T Cyclone was of tropical storm intensity (39-73 m.p.h.) as the center crossed the coast.

H Cyclone had hurricane force winds (74 m.p.h. or higher) as the center crossed the coast.

D Cyclone was of tropical depression intensity (38 m.p.h. or lower) as the center crossed the coast.

# ACKNOWLEDGMENTS

This study was made possible through the support and cooperation of the National Hurricane Research Project. The assistance of R.H. Simpson and R.C. Gentry of N.H.R.P.; of G.E. Dunn, S. Lichtblau, R.L. Higgs, R.C. Schmidt and of staff members at the Hurricane Forecast Centers in Miami, New Orleans, San Juan, and Washington, D.C.; of J.Namias, Extended Forecast Section, C. S. Gilman, Hydrometeorological Section and members of these sections, is gratefully acknowledged.

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SERIES A - CHART NUMBERS

ANNUAL TRACK CHARTS, NORTH ATLANTIC TROPICAL CYCLONES

1886-1958

| | 1880 | 1890 | 1900 | 1910 | 1920 | 1930 | 1940 | 1950 |
|---|---|---|---|---|---|---|---|---|
| 0 | | 5 | 15 | 25 | 35 | 45 | 55 | 65 |
| 1 | | 6 | 16 | 26 | 36 | 46 | 56 | 66 |
| 2 | | 7 | 17 | 27 | 37 | 47 | 57 | 67 |
| 3 | | 8 | 18 | 28 | 38 | 48 | 58 | 68 |
| 4 | | 9 | 19 | 29 | 39 | 49 | 59 | 69 |
| 5 | | 10 | 20 | 30 | 40 | 50 | 60 | 70 |
| 6 | 1 | 11 | 21 | 31 | 41 | 51 | 61 | 71 |
| 7 | 2 | 12 | 22 | 32 | 42 | 52 | 62 | 72 |
| 8 | 3 | 13 | 23 | 33 | 43 | 53 | 63 | 73 |
| 9 | 4 | 14 | 24 | 34 | 44 | 54 | 64 | |

WB FORM 770-17
(10-55)

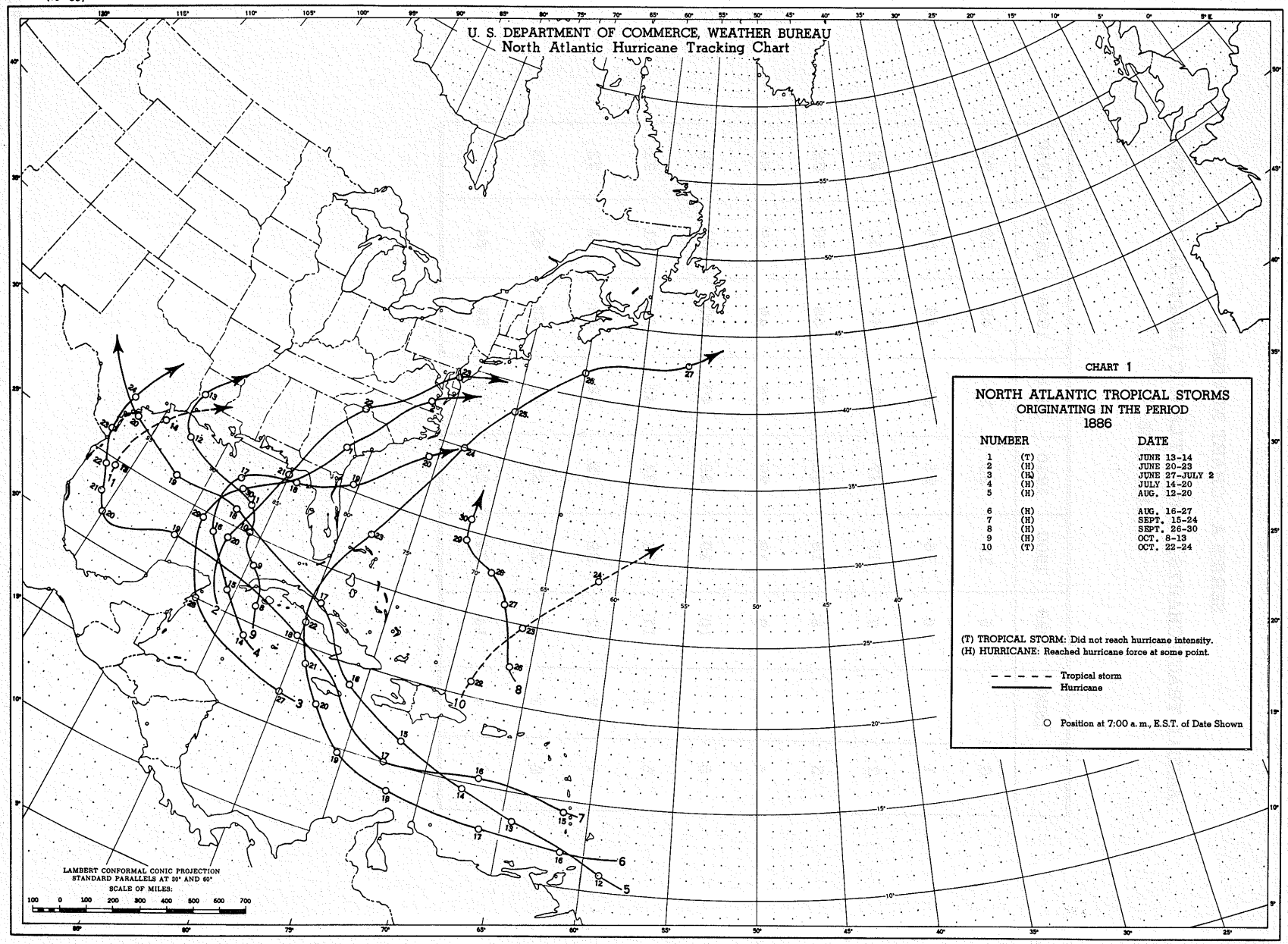



CHART 1

## NORTH ATLANTIC TROPICAL STORMS
### ORIGINATING IN THE PERIOD
### 1886

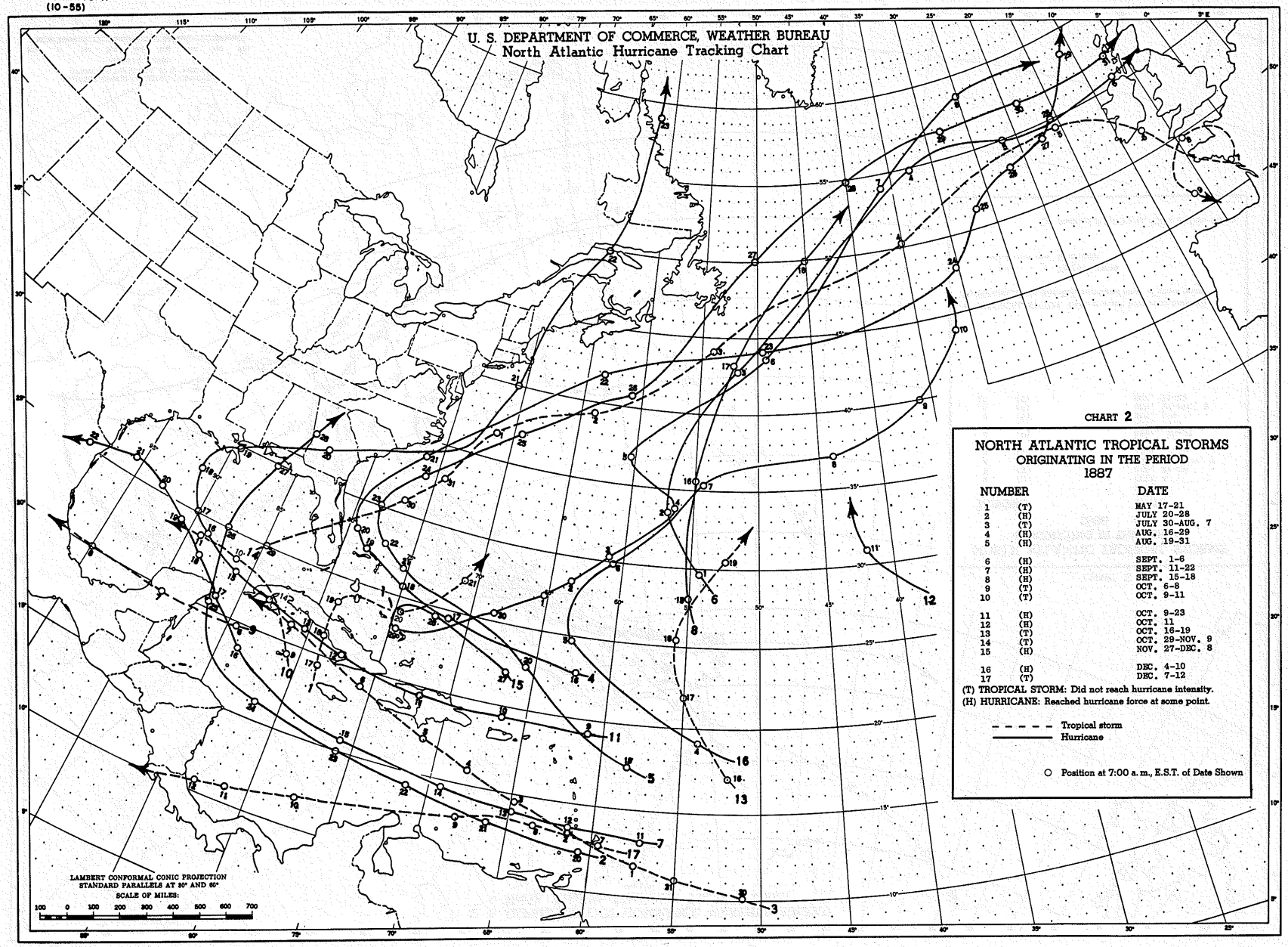
| NUMBER | | DATE |
|---|---|---|
| 1 | (T) | JUNE 13-14 |
| 2 | (H) | JUNE 20-23 |
| 3 | (H) | JUNE 27-JULY 2 |
| 4 | (H) | JULY 14-20 |
| 5 | (H) | AUG. 12-20 |
| 6 | (H) | AUG. 16-27 |
| 7 | (H) | SEPT. 15-24 |
| 8 | (H) | SEPT. 26-30 |
| 9 | (H) | OCT. 8-13 |
| 10 | (T) | OCT. 22-24 |

(T) TROPICAL STORM: Did not reach hurricane intensity.
(H) HURRICANE: Reached hurricane force at some point.

- - - - - Tropical storm
——— Hurricane

○ Position at 7:00 a. m., E.S.T. of Date Shown

WB FORM 770-17
(10-55)



WB FORM 770-17
(10-55)

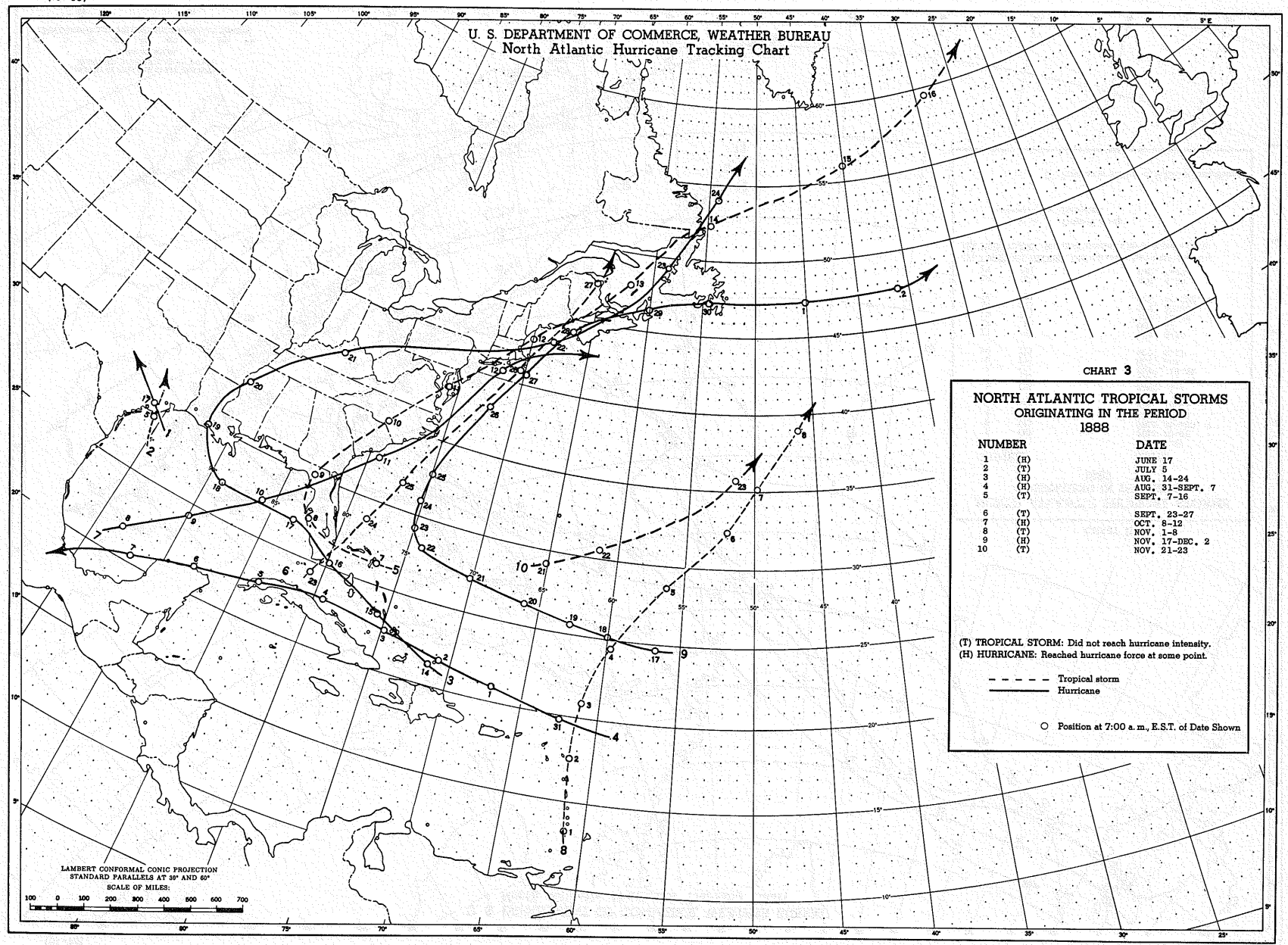



CHART 3

## NORTH ATLANTIC TROPICAL STORMS
### ORIGINATING IN THE PERIOD
### 1888

| NUMBER | | DATE |
|---|---|---|
| 1 | (H) | JUNE 17 |
| 2 | (T) | JULY 5 |
| 3 | (H) | AUG. 14-24 |
| 4 | (H) | AUG. 31-SEPT. 7 |
| 5 | (T) | SEPT. 7-16 |
| 6 | (T) | SEPT. 23-27 |
| 7 | (H) | OCT. 8-12 |
| 8 | (T) | NOV. 1-8 |
| 9 | (H) | NOV. 17-DEC. 2 |
| 10 | (T) | NOV. 21-23 |

(T) TROPICAL STORM: Did not reach hurricane intensity.
(H) HURRICANE: Reached hurricane force at some point.

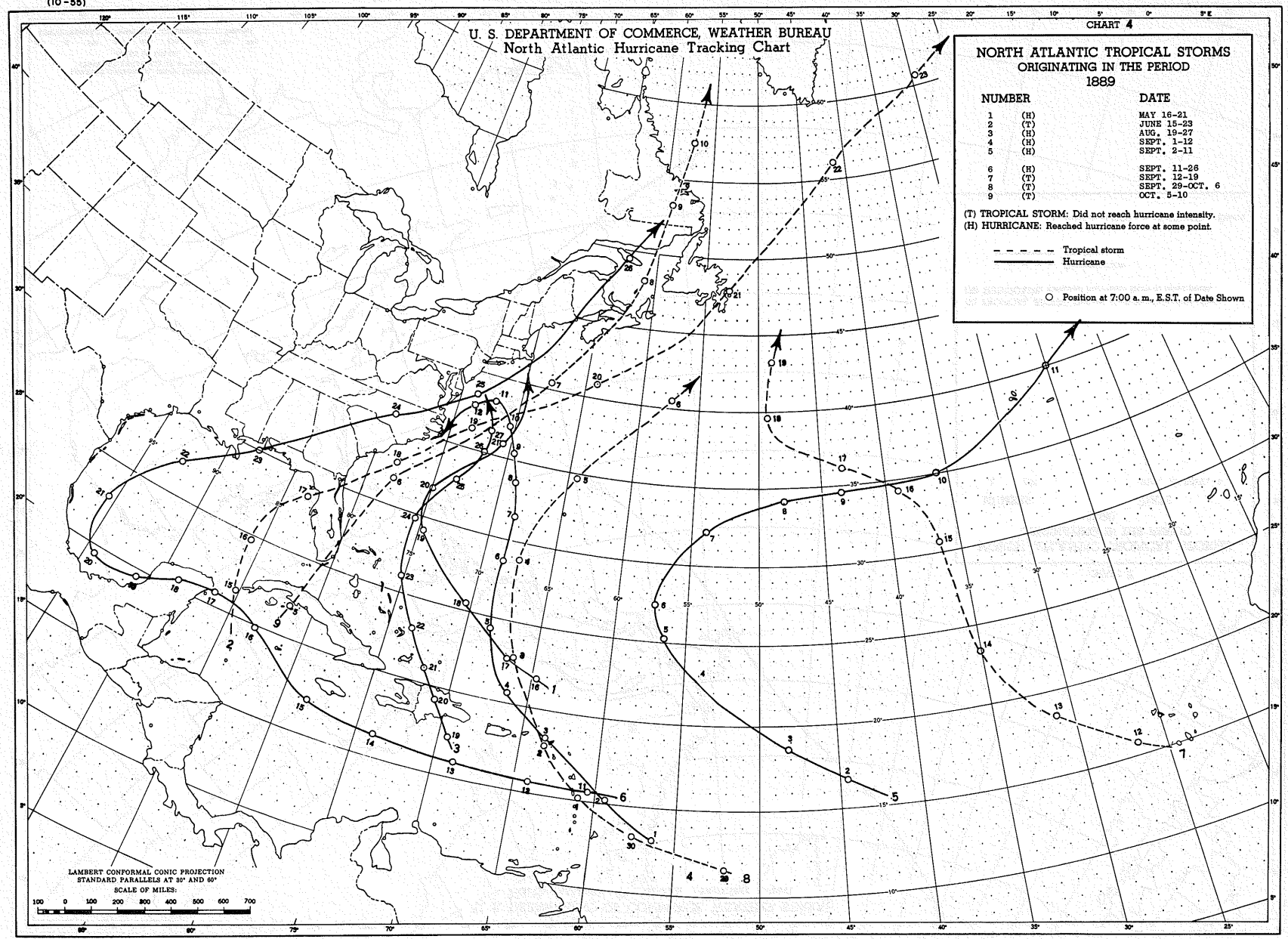
- - - - - Tropical storm
——— Hurricane

○ Position at 7:00 a. m., E.S.T. of Date Shown

WB FORM 770-17
(10-55)

CHART 4

# U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU
## North Atlantic Hurricane Tracking Chart



### NORTH ATLANTIC TROPICAL STORMS
ORIGINATING IN THE PERIOD
1889

| NUMBER | | DATE |
|---|---|---|
| 1 | (H) | MAY 16-21 |
| 2 | (T) | JUNE 15-23 |
| 3 | (H) | AUG. 19-27 |
| 4 | (H) | SEPT. 1-12 |
| 5 | (H) | SEPT. 2-11 |
| 6 | (H) | SEPT. 11-26 |
| 7 | (T) | SEPT. 12-19 |
| 8 | (T) | SEPT. 29-OCT. 6 |
| 9 | (T) | OCT. 5-10 |

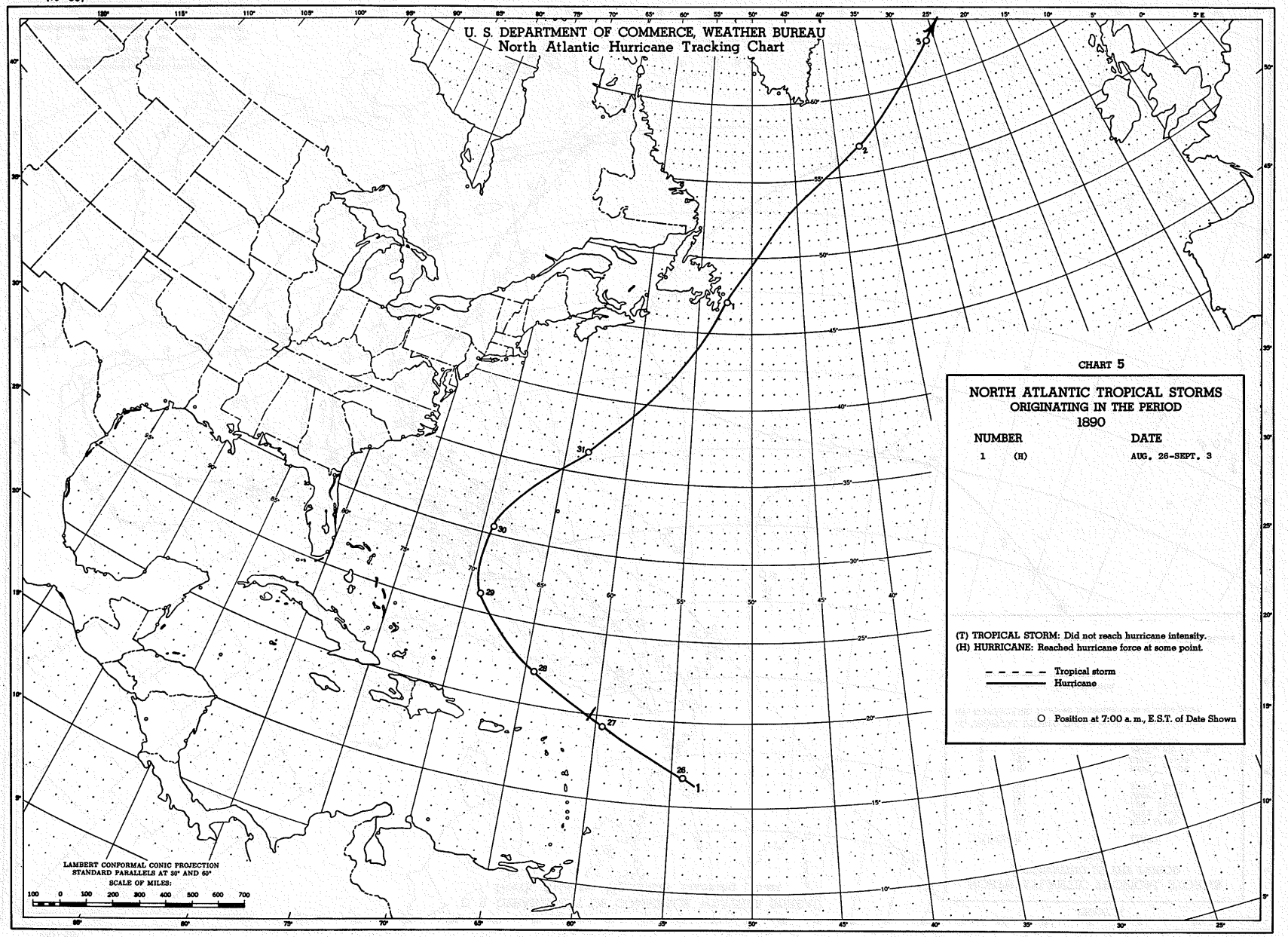
(T) TROPICAL STORM: Did not reach hurricane intensity.
(H) HURRICANE: Reached hurricane force at some point.

Tropical storm
Hurricane

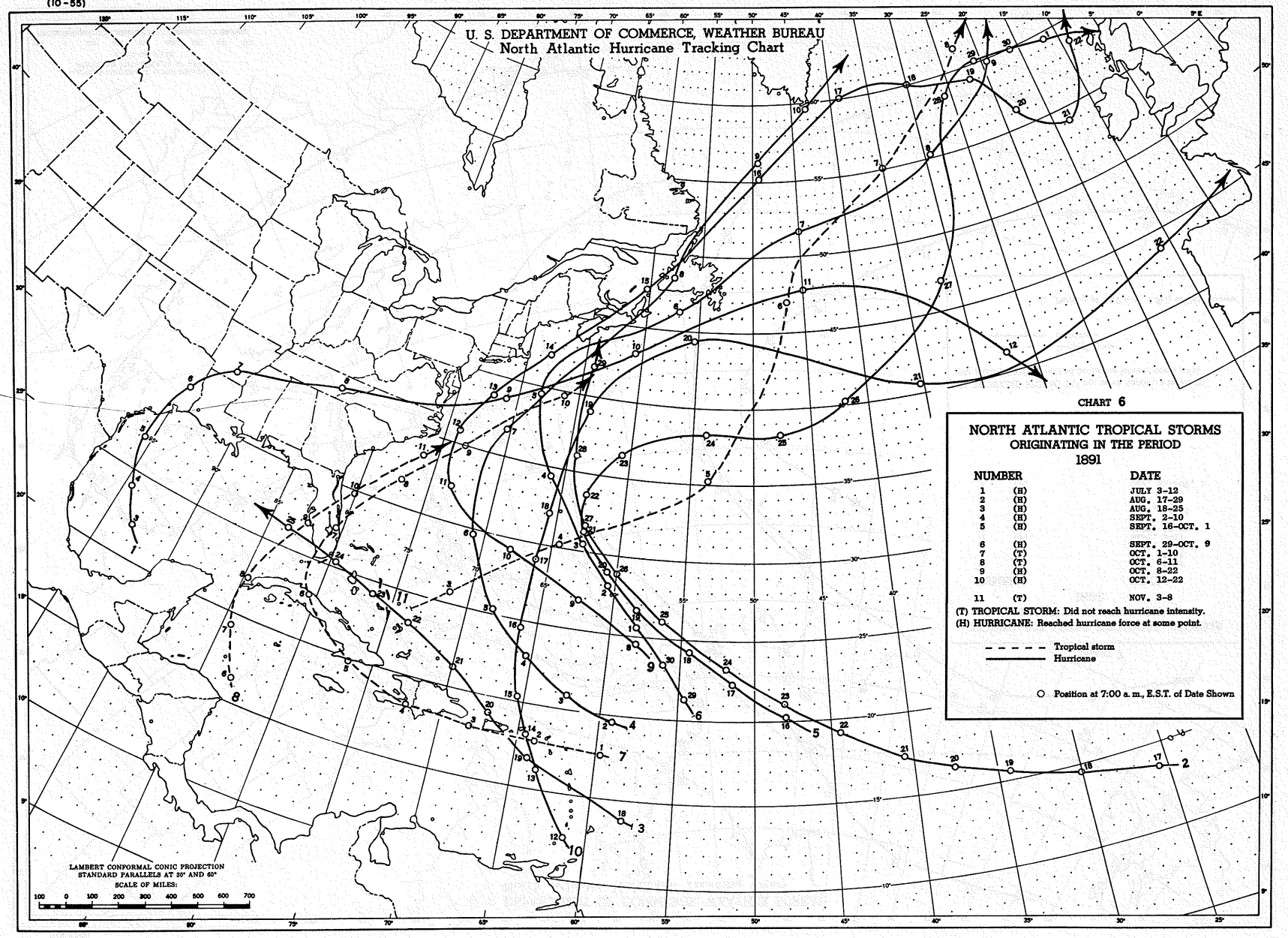
○ Position at 7:00 a. m., E.S.T. of Date Shown

LAMBERT CONFORMAL CONIC PROJECTION
STANDARD PARALLELS AT 30° AND 60°
SCALE OF MILES:
100 0 100 200 300 400 500 600 700

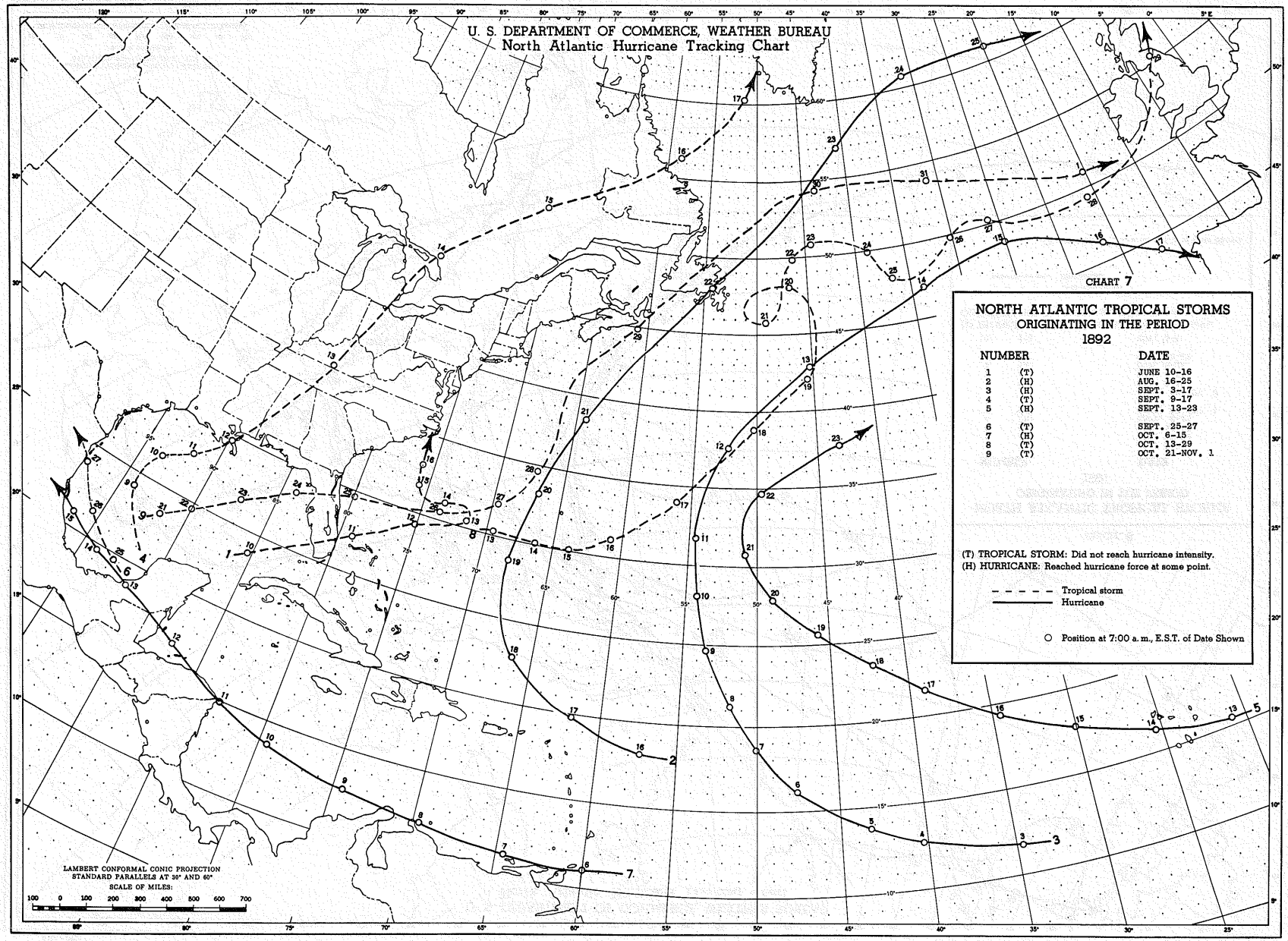
WB FORM 770-17
(10-55)



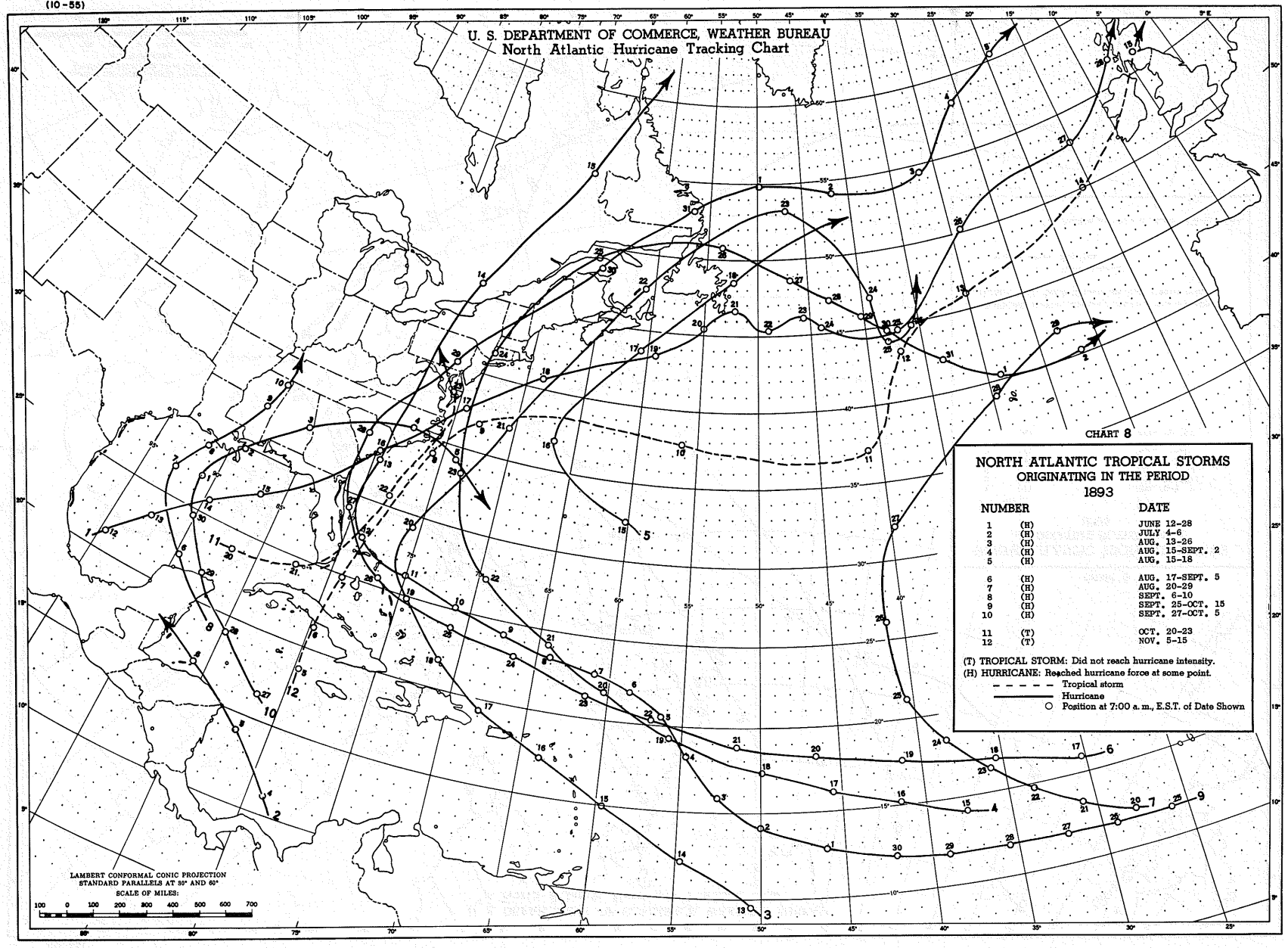
WB FORM 770-17
(10-55)



WB FORM 770-17
(10-55)



WB FORM 770-17
(10-55)



WB FORM 770-17
(10-55)

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU
North Atlantic Hurricane Tracking Chart

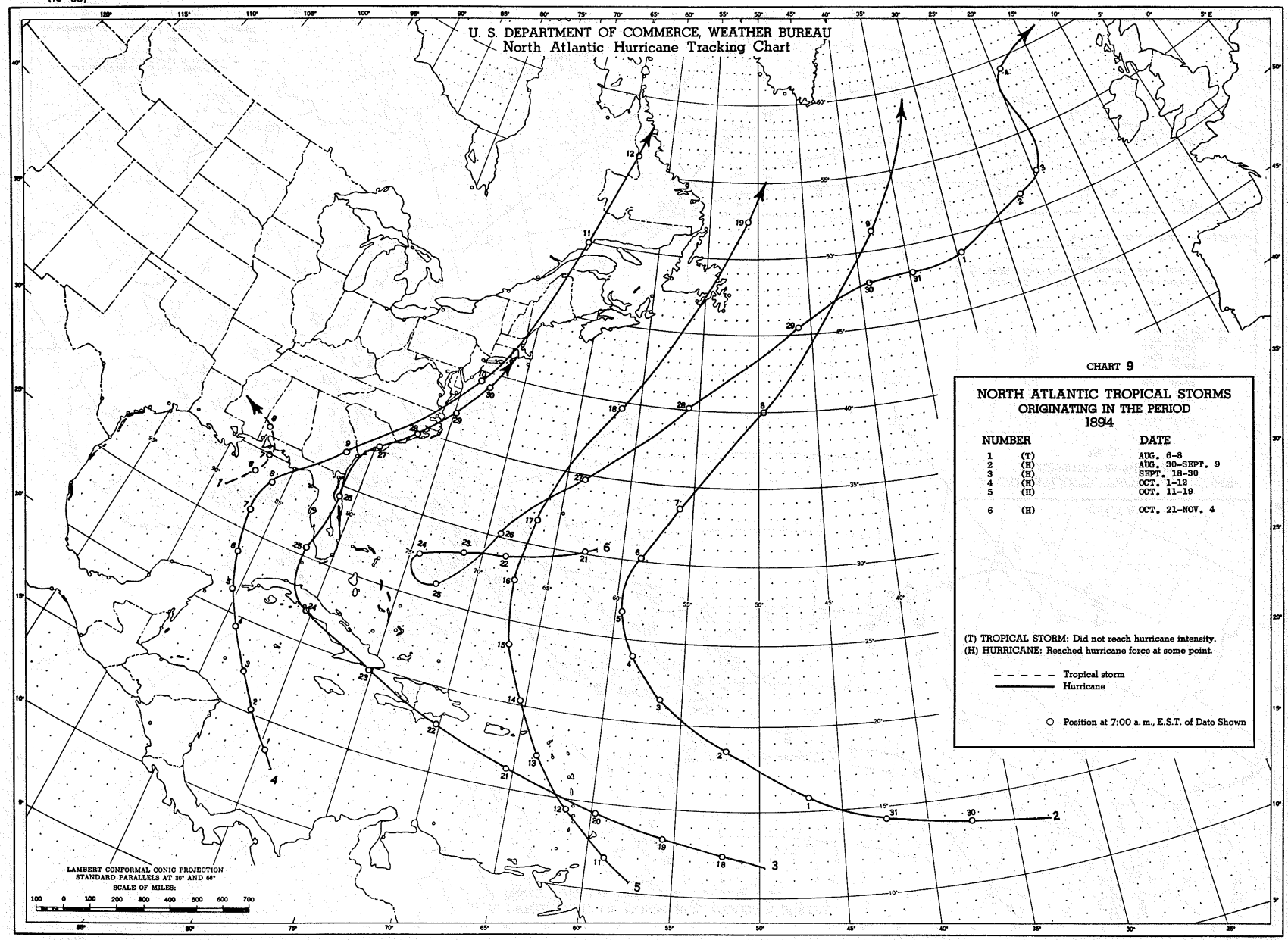


CHART 9

## NORTH ATLANTIC TROPICAL STORMS
ORIGINATING IN THE PERIOD
1894

| NUMBER | | DATE |
|---|---|---|
| 1 | (T) | AUG. 6-8 |
| 2 | (H) | AUG. 30-SEPT. 9 |
| 3 | (H) | SEPT. 18-30 |
| 4 | (H) | OCT. 1-12 |
| 5 | (H) | OCT. 11-19 |
| 6 | (H) | OCT. 21-NOV. 4 |

(T) TROPICAL STORM: Did not reach hurricane intensity.
(H) HURRICANE: Reached hurricane force at some point.

- - - - - Tropical storm
——— Hurricane

○ Position at 7:00 a. m., E.S.T. of Date Shown

LAMBERT CONFORMAL CONIC PROJECTION
STANDARD PARALLELS AT 30° AND 60°
SCALE OF MILES:
100 0 100 200 300 400 500 600 700

WB FORM 770-17
(10-55)

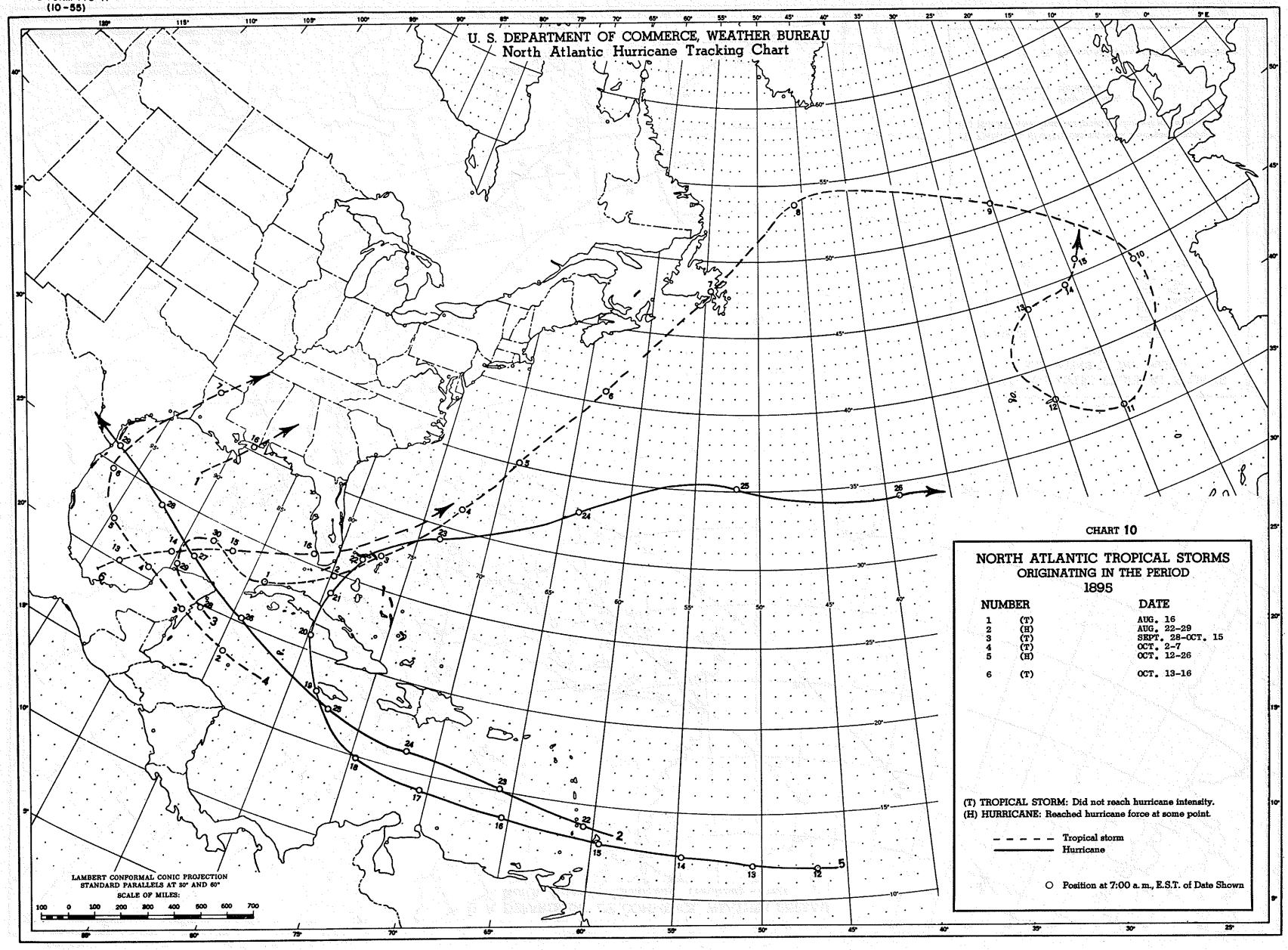



CHART 10

## NORTH ATLANTIC TROPICAL STORMS ORIGINATING IN THE PERIOD 1895

| NUMBER | | DATE |
|---|---|---|
| 1 | (T) | AUG. 16 |
| 2 | (H) | AUG. 22-29 |
| 3 | (T) | SEPT. 28-OCT. 15 |
| 4 | (T) | OCT. 2-7 |
| 5 | (H) | OCT. 12-26 |
| 6 | (T) | OCT. 13-16 |

(T) TROPICAL STORM: Did not reach hurricane intensity.
(H) HURRICANE: Reached hurricane force at some point.

- - - - - Tropical storm
——— Hurricane

○ Position at 7:00 a. m., E.S.T. of Date Shown

WB FORM 770-17
(10-55)

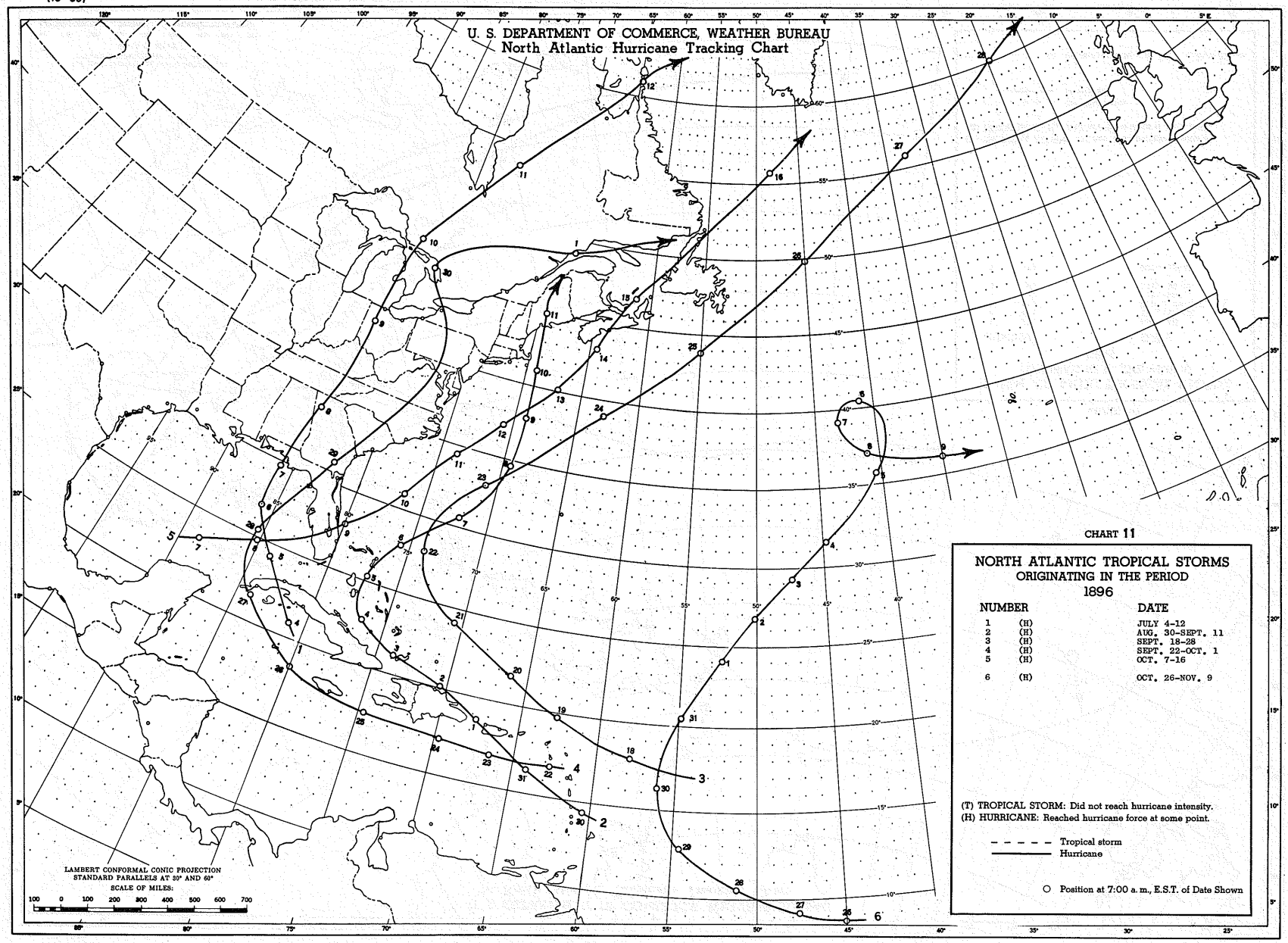



CHART 11

## NORTH ATLANTIC TROPICAL STORMS
### ORIGINATING IN THE PERIOD
### 1896

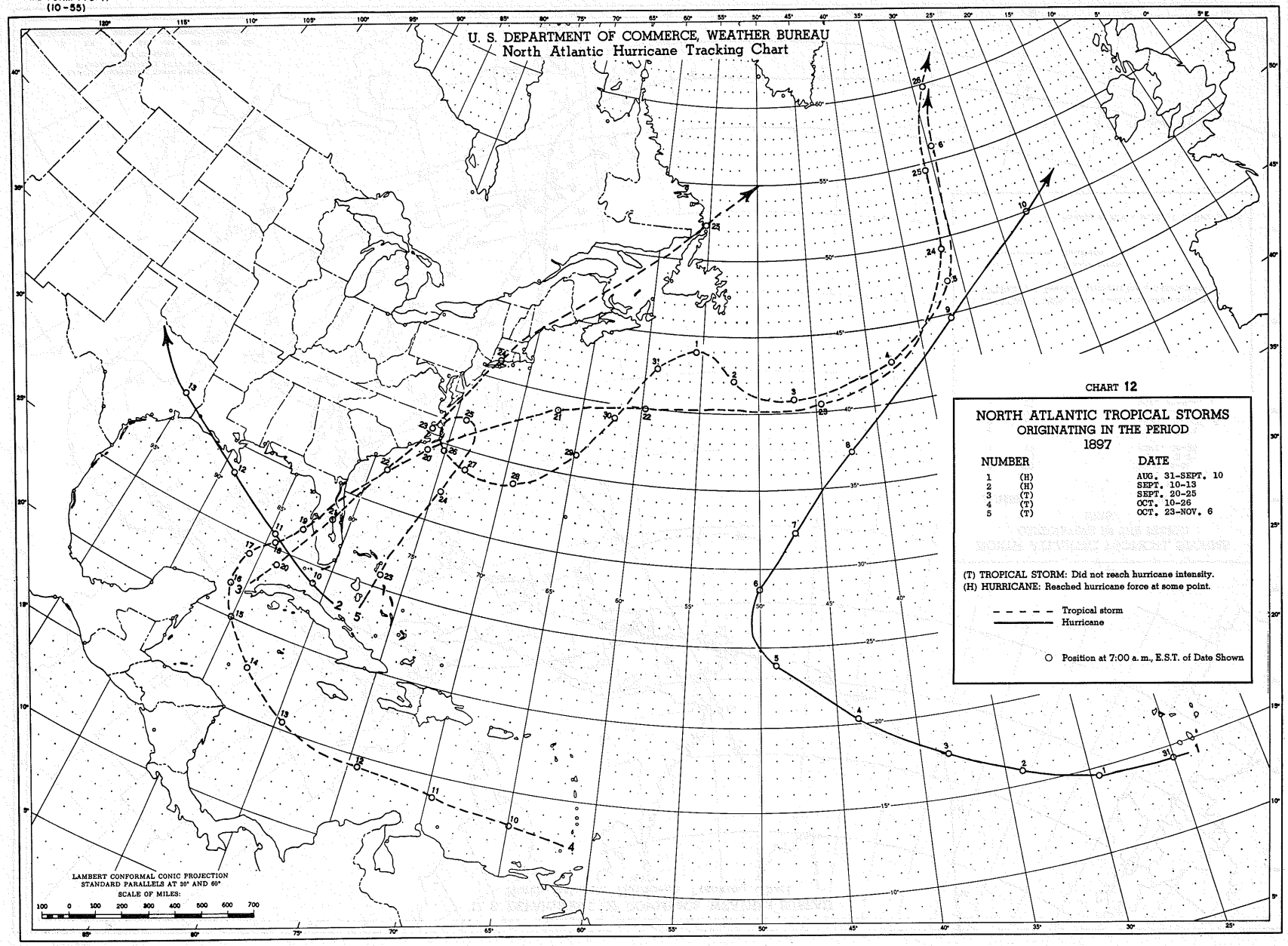
| NUMBER | | DATE |
|---|---|---|
| 1 | (H) | JULY 4-12 |
| 2 | (H) | AUG. 30-SEPT. 11 |
| 3 | (H) | SEPT. 18-28 |
| 4 | (H) | SEPT. 22-OCT. 1 |
| 5 | (H) | OCT. 7-16 |
| 6 | (H) | OCT. 26-NOV. 9 |

(T) TROPICAL STORM: Did not reach hurricane intensity.
(H) HURRICANE: Reached hurricane force at some point.

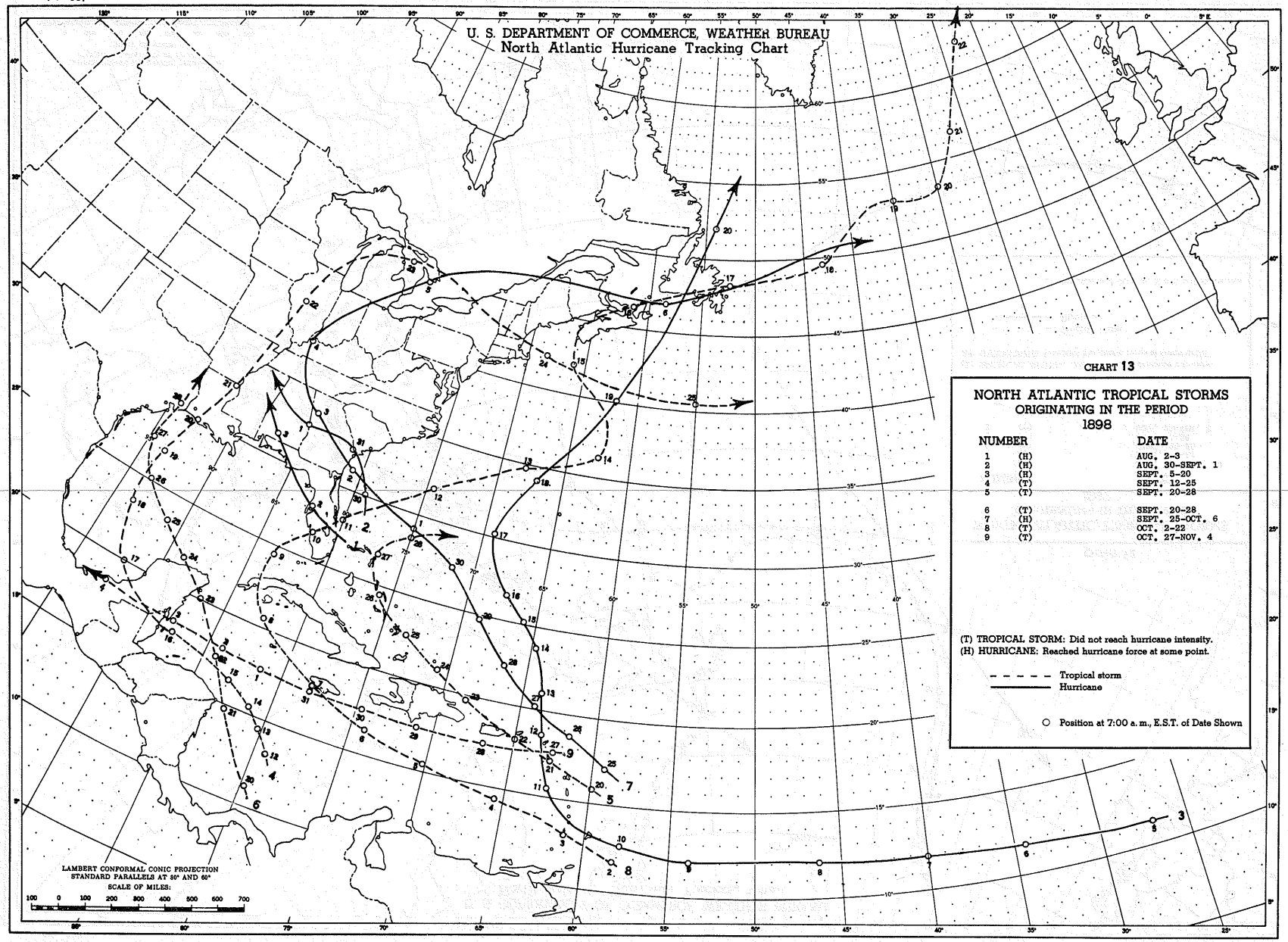
- - - - - Tropical storm
——— Hurricane

○ Position at 7:00 a. m., E.S.T. of Date Shown

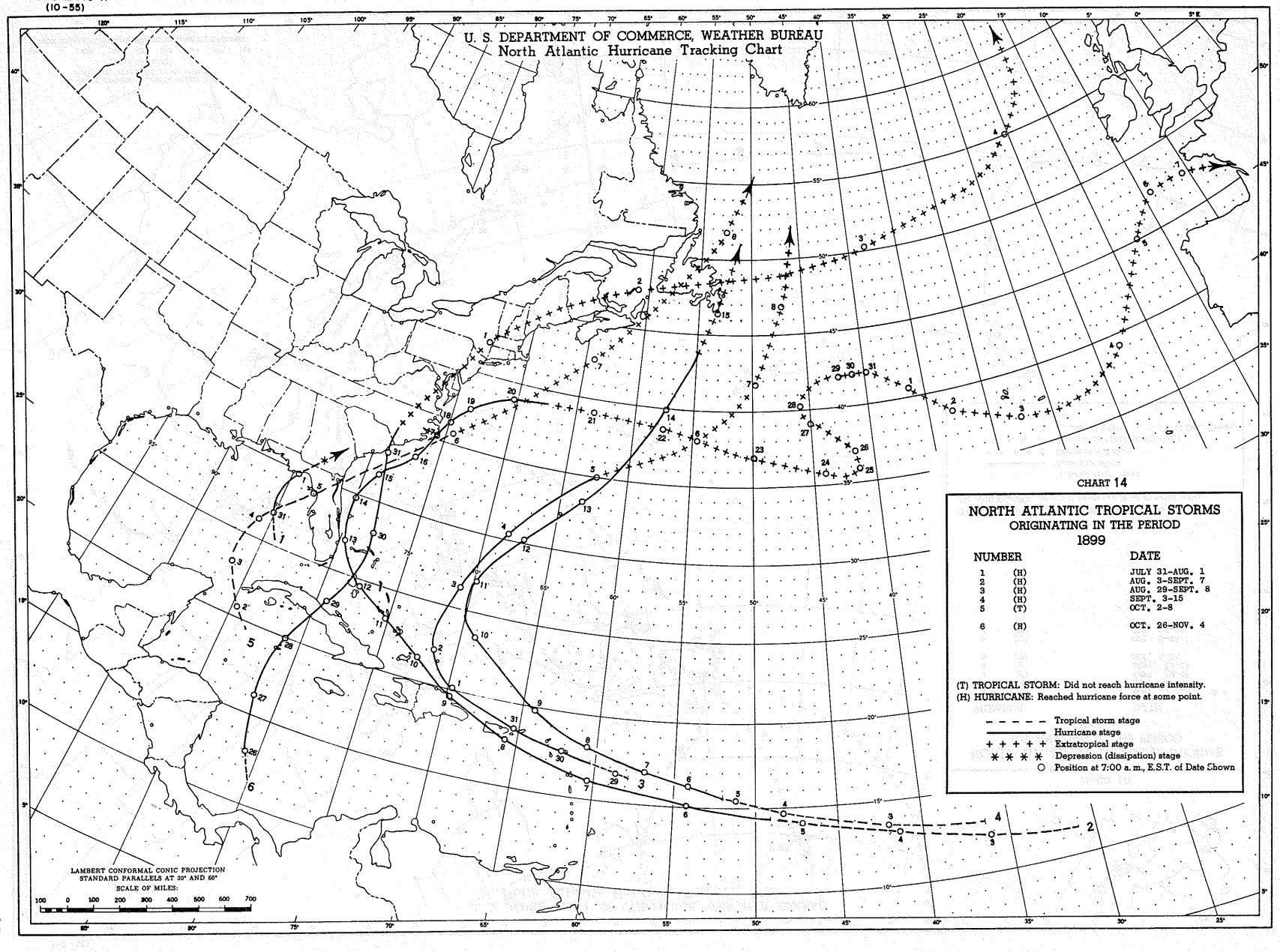
WB FORM 770-17
(10-55)



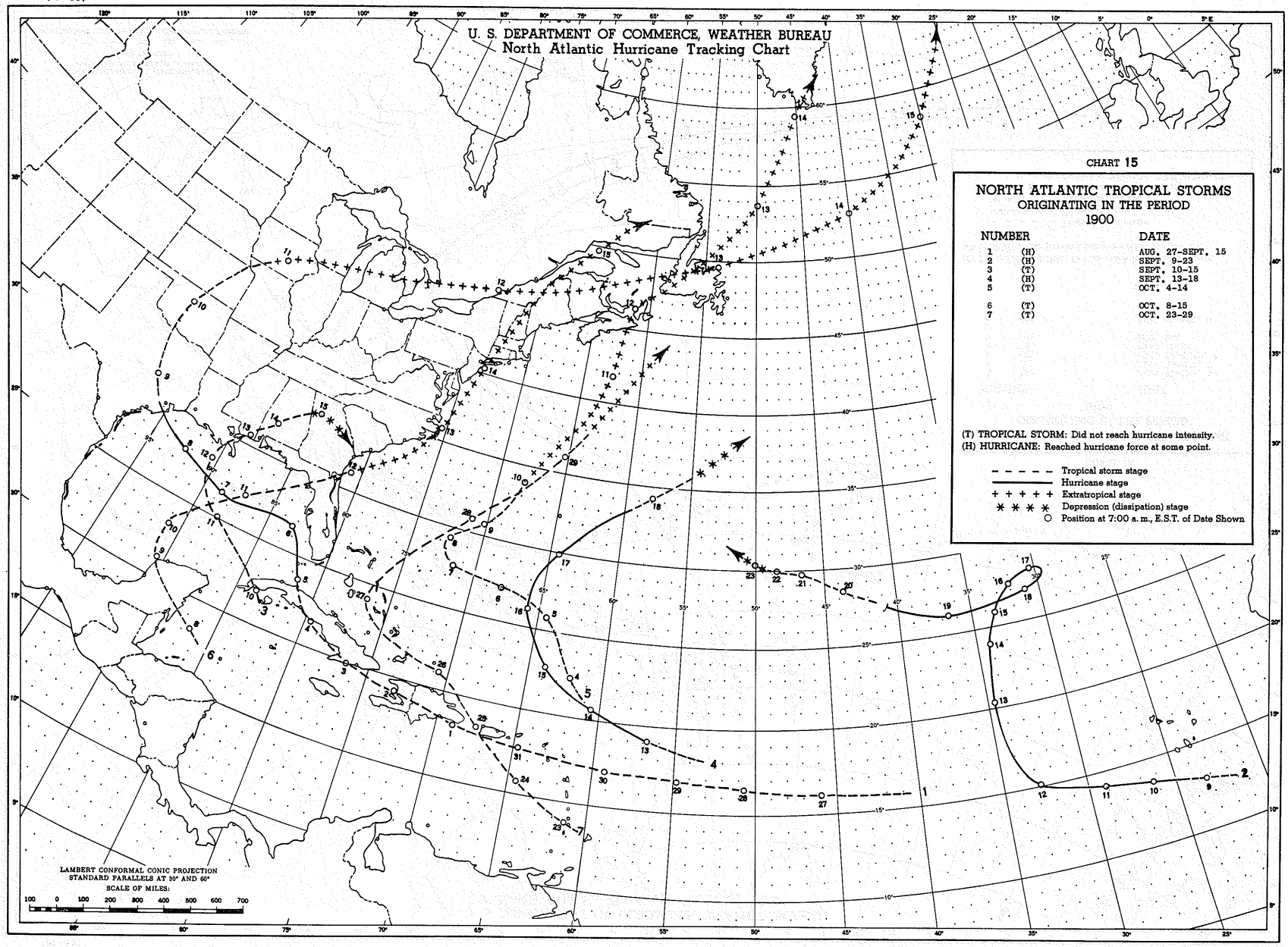
WB FORM 770-17
(10-55)



WB FORM 770-17
(10-55)



WB FORM 770-17
(10-55)



WB FORM 770-17
(10-55)

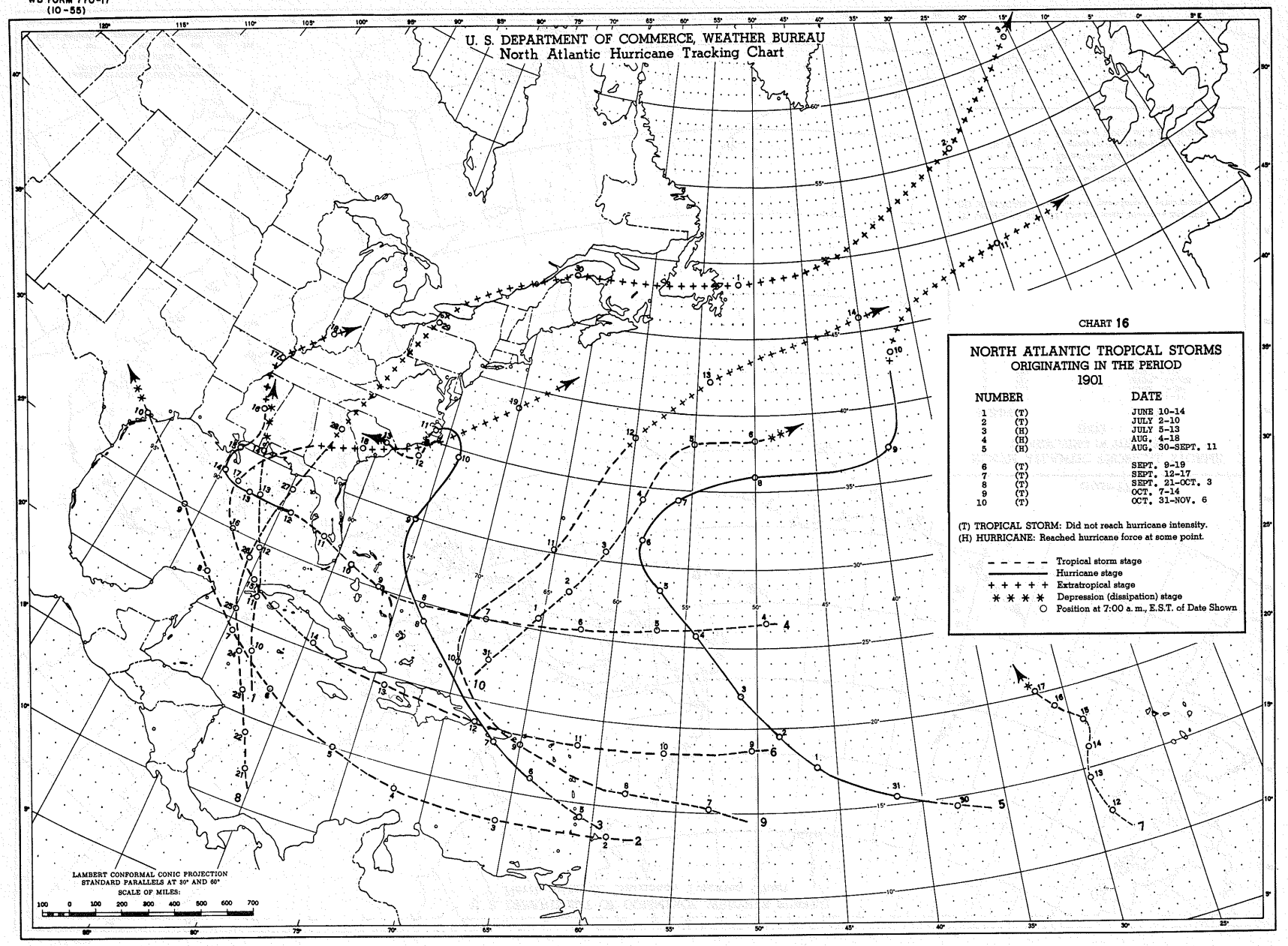



CHART 16

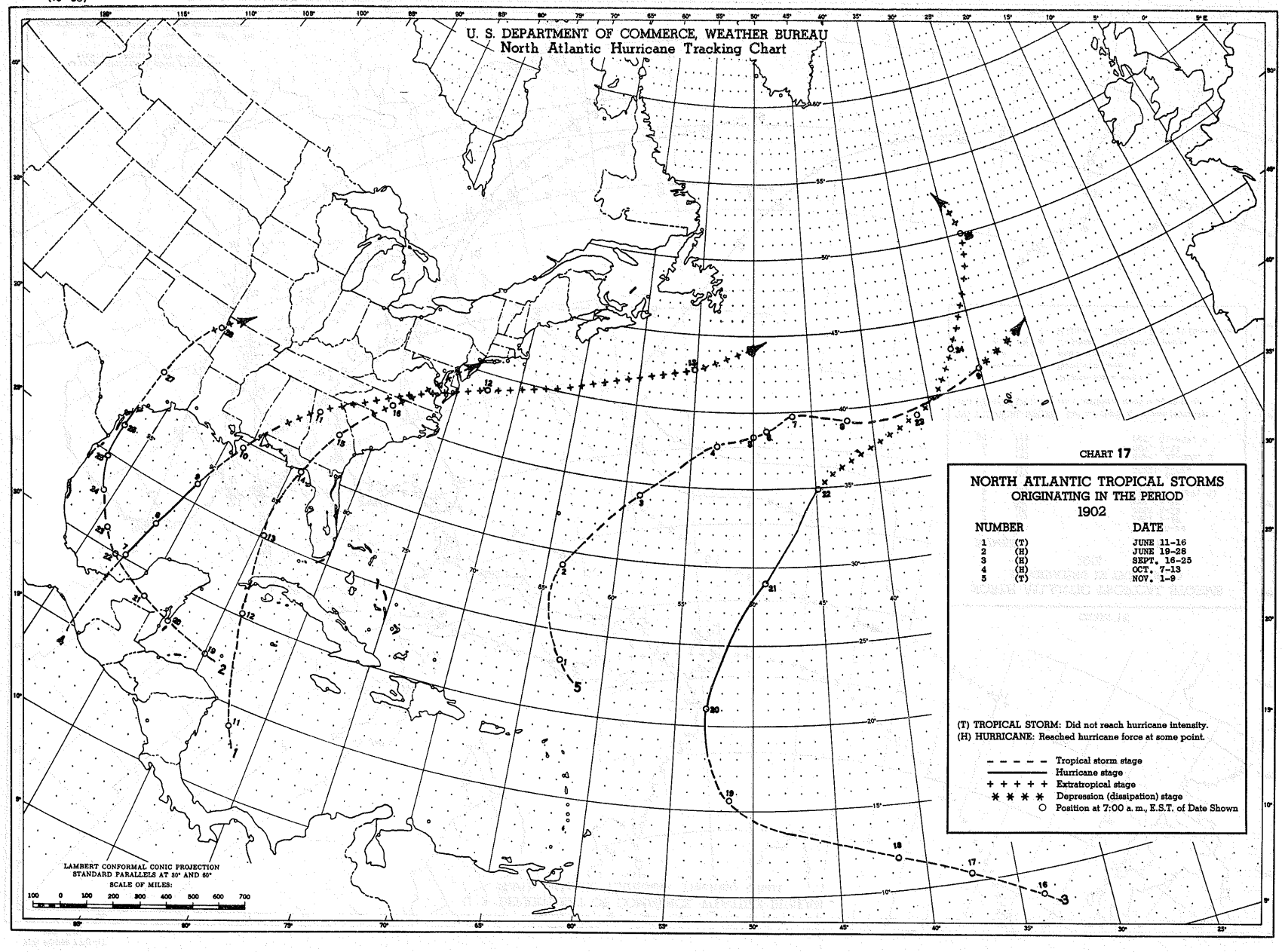
## NORTH ATLANTIC TROPICAL STORMS
### ORIGINATING IN THE PERIOD
### 1901

| NUMBER | | DATE |
|---|---|---|
| 1 | (T) | JUNE 10-14 |
| 2 | (T) | JULY 2-10 |
| 3 | (H) | JULY 5-13 |
| 4 | (H) | AUG. 4-18 |
| 5 | (H) | AUG. 30-SEPT. 11 |
| 6 | (T) | SEPT. 9-19 |
| 7 | (T) | SEPT. 12-17 |
| 8 | (T) | SEPT. 21-OCT. 3 |
| 9 | (T) | OCT. 7-14 |
| 10 | (T) | OCT. 31-NOV. 6 |

(T) TROPICAL STORM: Did not reach hurricane intensity.
(H) HURRICANE: Reached hurricane force at some point.

- – – – – Tropical storm stage
——— Hurricane stage
+ + + + + Extratropical stage
* * * * Depression (dissipation) stage
○ Position at 7:00 a. m., E.S.T. of Date Shown

WB FORM 770-17
(10-55)



WB FORM 770-17
(10-55)

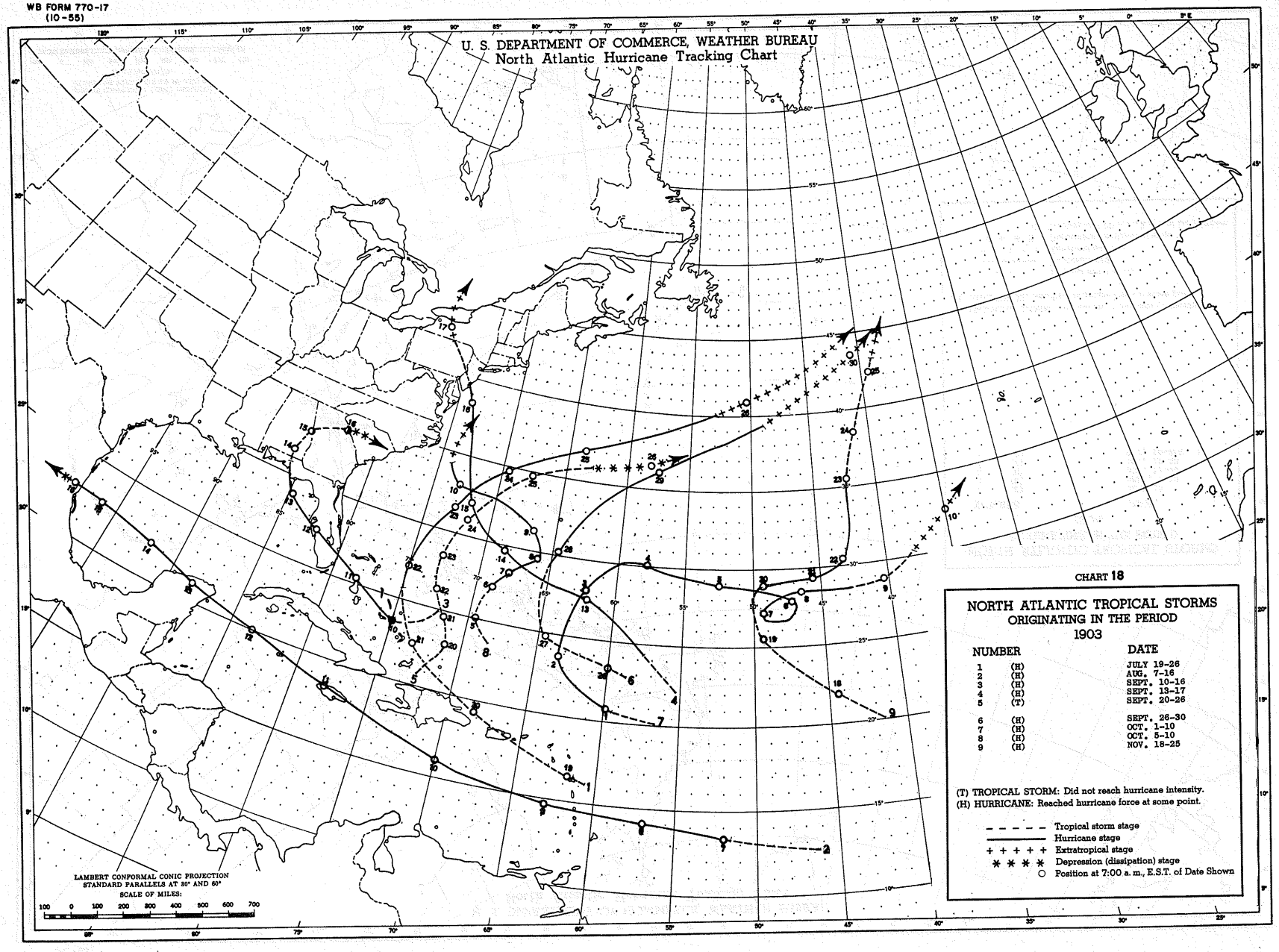



CHART 18

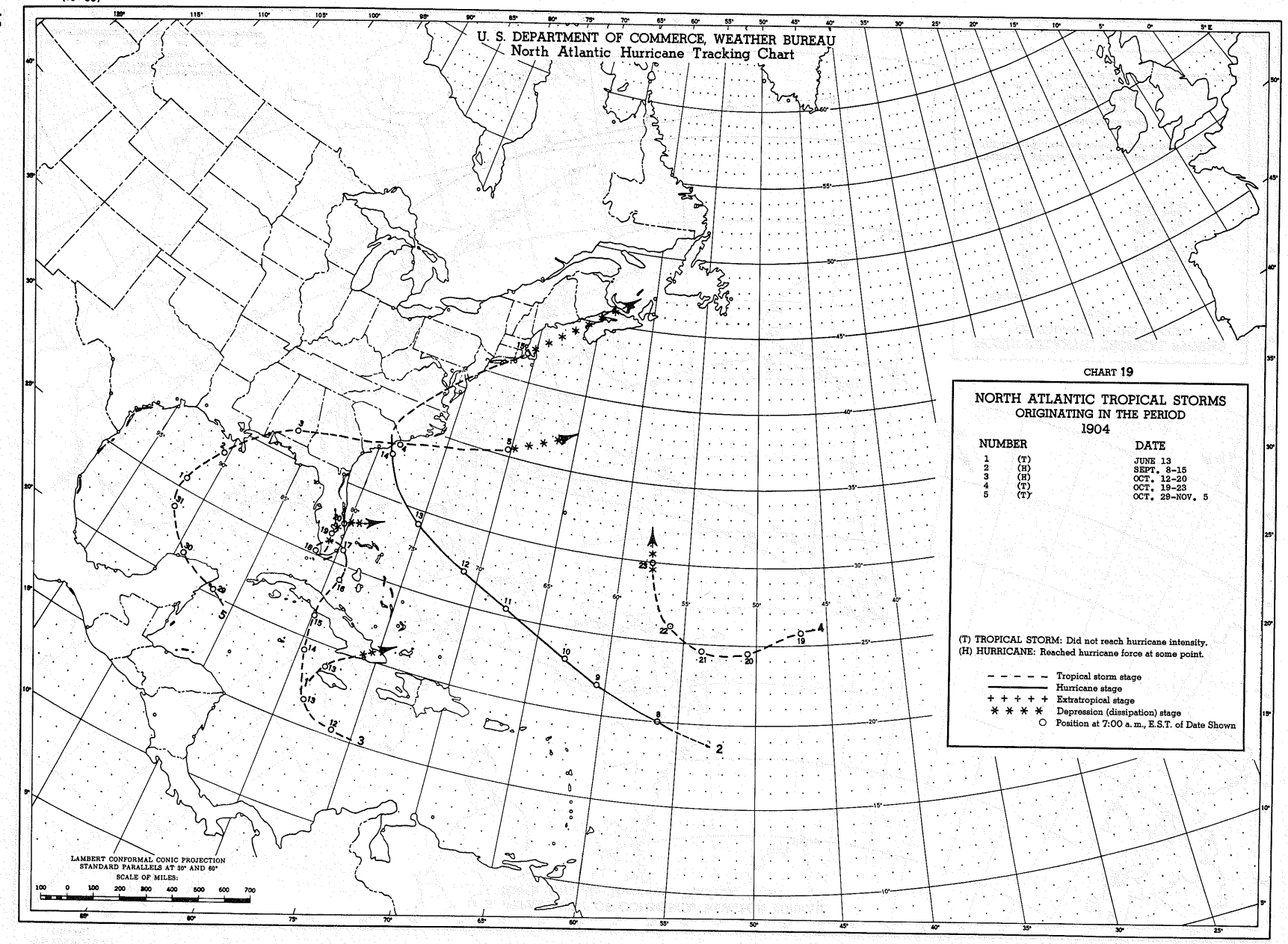
## NORTH ATLANTIC TROPICAL STORMS ORIGINATING IN THE PERIOD 1903

| NUMBER | | DATE |
|---|---|---|
| 1 | (H) | JULY 19-26 |
| 2 | (H) | AUG. 7-16 |
| 3 | (H) | SEPT. 10-16 |
| 4 | (H) | SEPT. 13-17 |
| 5 | (T) | SEPT. 20-26 |
| 6 | (H) | SEPT. 26-30 |
| 7 | (H) | OCT. 1-10 |
| 8 | (H) | OCT. 5-10 |
| 9 | (H) | NOV. 18-25 |

(T) TROPICAL STORM: Did not reach hurricane intensity.
(H) HURRICANE: Reached hurricane force at some point.

- - - - - Tropical storm stage
——— Hurricane stage
+ + + + + Extratropical stage
* * * * Depression (dissipation) stage
○ Position at 7:00 a. m., E.S.T. of Date Shown

WB FORM 770-17
(10-55)



WB FORM 770-17
(10-55)

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU
North Atlantic Hurricane Tracking Chart

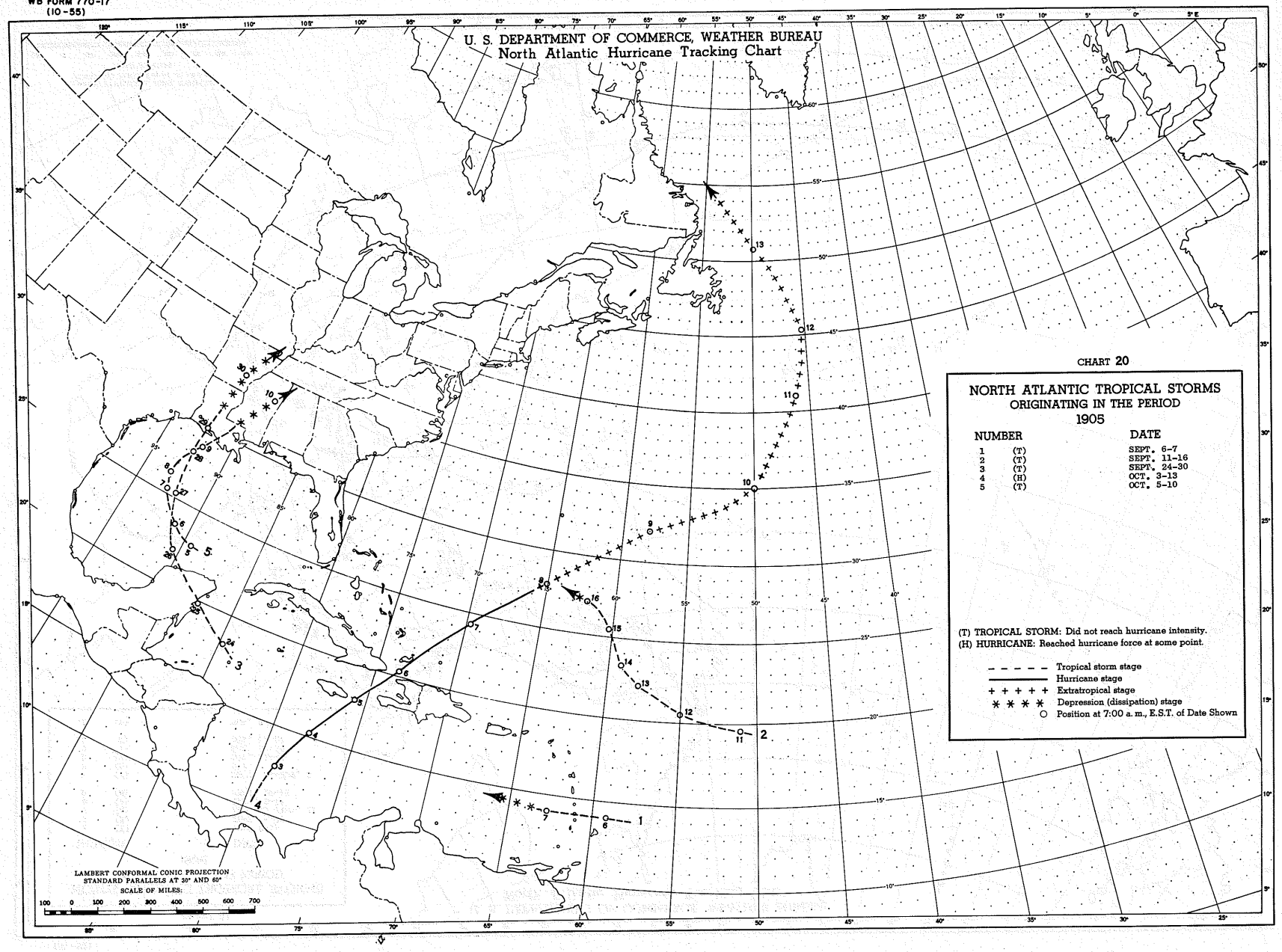


CHART 20

## NORTH ATLANTIC TROPICAL STORMS
ORIGINATING IN THE PERIOD
1905

| NUMBER | | DATE |
|---|---|---|
| 1 | (T) | SEPT. 6-7 |
| 2 | (T) | SEPT. 11-16 |
| 3 | (T) | SEPT. 24-30 |
| 4 | (H) | OCT. 3-13 |
| 5 | (T) | OCT. 5-10 |

(T) TROPICAL STORM: Did not reach hurricane intensity.
(H) HURRICANE: Reached hurricane force at some point.

- – – – – Tropical storm stage
- ——— Hurricane stage
- + + + + + Extratropical stage
- * * * * Depression (dissipation) stage
- ○ Position at 7:00 a. m., E.S.T. of Date Shown

LAMBERT CONFORMAL CONIC PROJECTION
STANDARD PARALLELS AT 30° AND 60°
SCALE OF MILES:
100 0 100 200 300 400 500 600 700

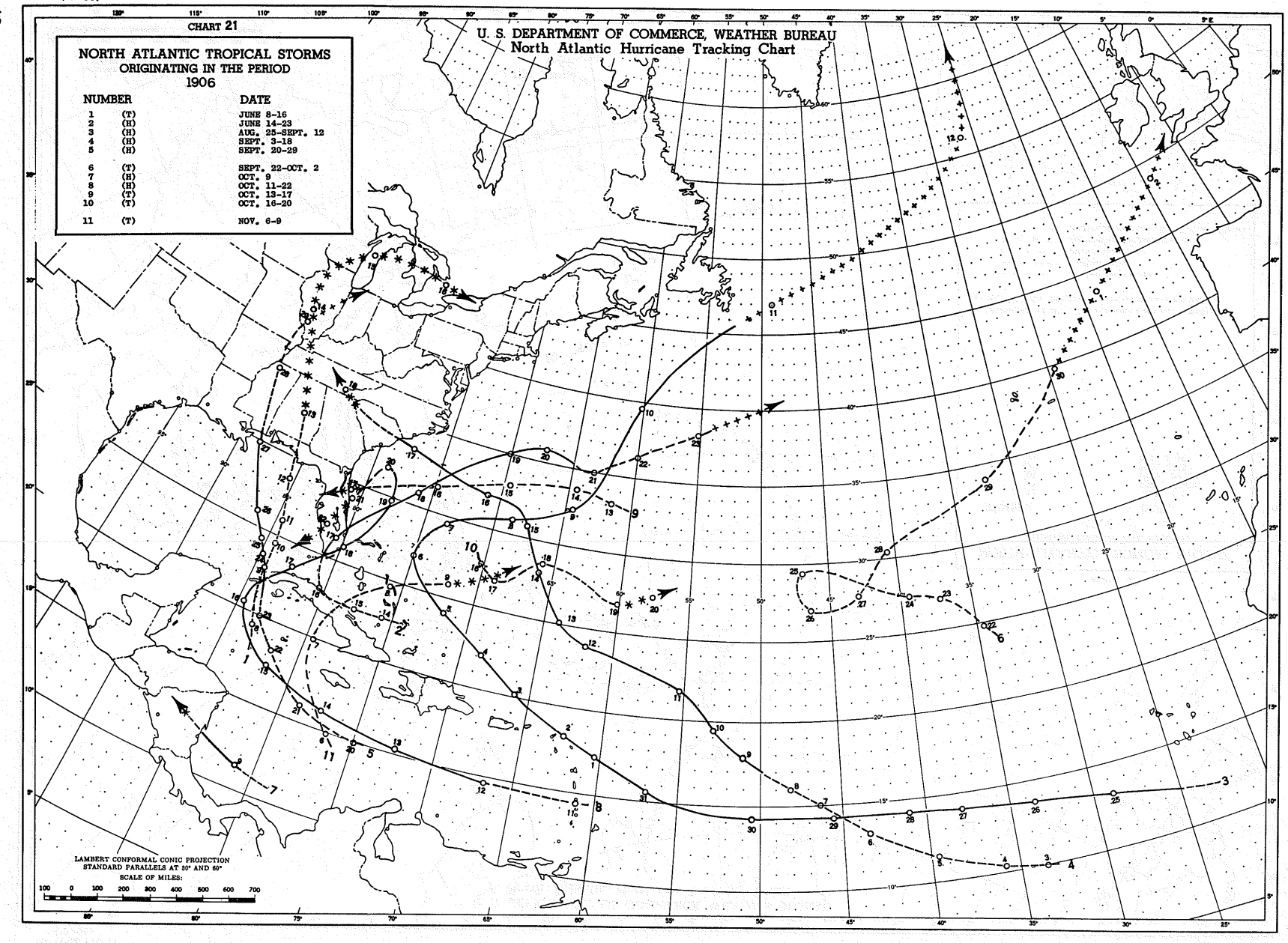
WB FORM 770-17
(10-55)

CHART 21

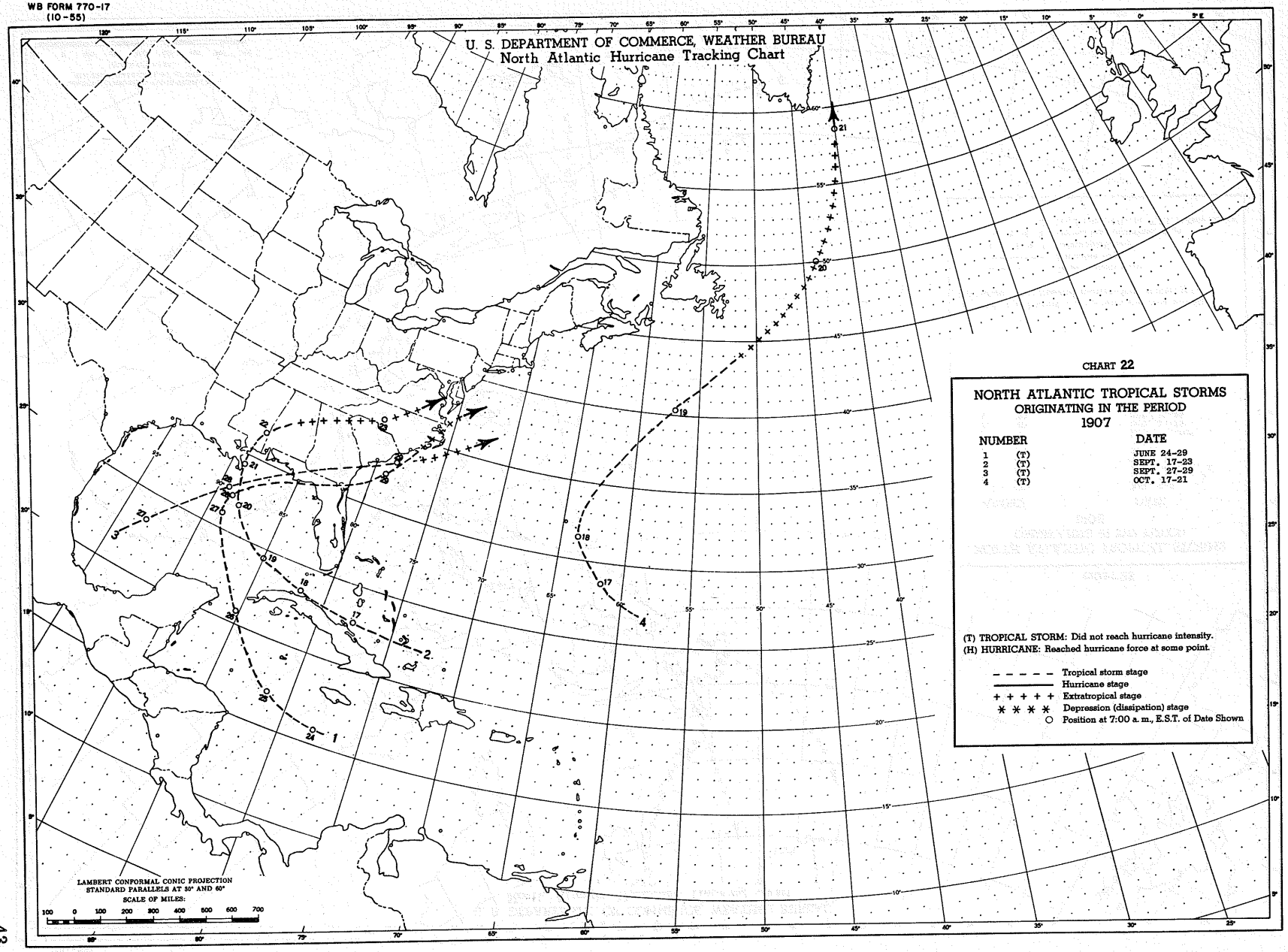
U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU
North Atlantic Hurricane Tracking Chart

## NORTH ATLANTIC TROPICAL STORMS
ORIGINATING IN THE PERIOD
1906

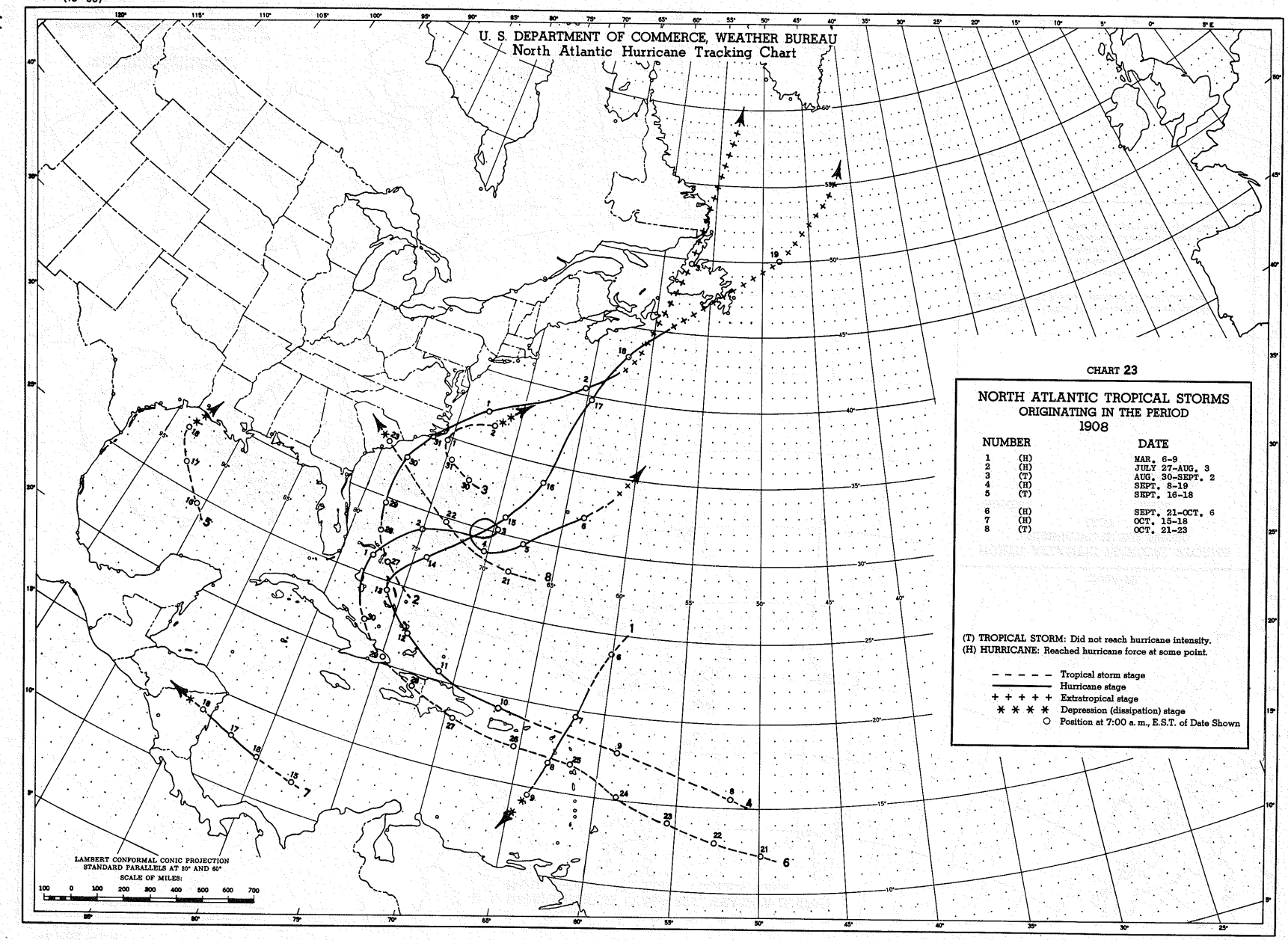
| NUMBER | | DATE |
|---|---|---|
| 1 | (T) | JUNE 8-16 |
| 2 | (H) | JUNE 14-23 |
| 3 | (H) | AUG. 25-SEPT. 12 |
| 4 | (H) | SEPT. 3-18 |
| 5 | (H) | SEPT. 20-29 |
| 6 | (T) | SEPT. 22-OCT. 2 |
| 7 | (H) | OCT. 9 |
| 8 | (H) | OCT. 11-22 |
| 9 | (T) | OCT. 13-17 |
| 10 | (T) | OCT. 16-20 |
| 11 | (T) | NOV. 6-9 |



WB FORM 770-17
(10-55)



WB FORM 770-17
(10-55)



WB FORM 770-17
(10-55)

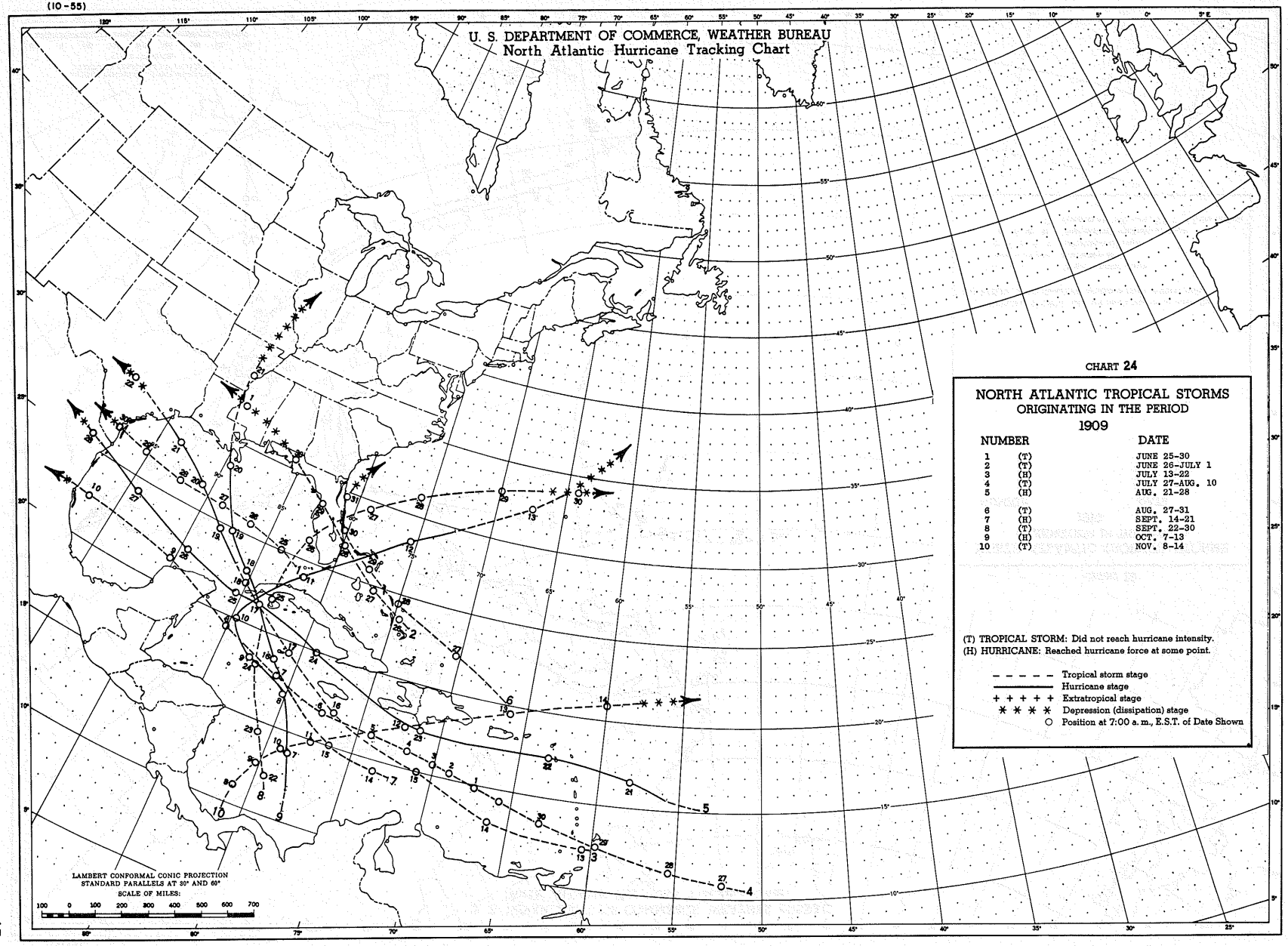



CHART 24

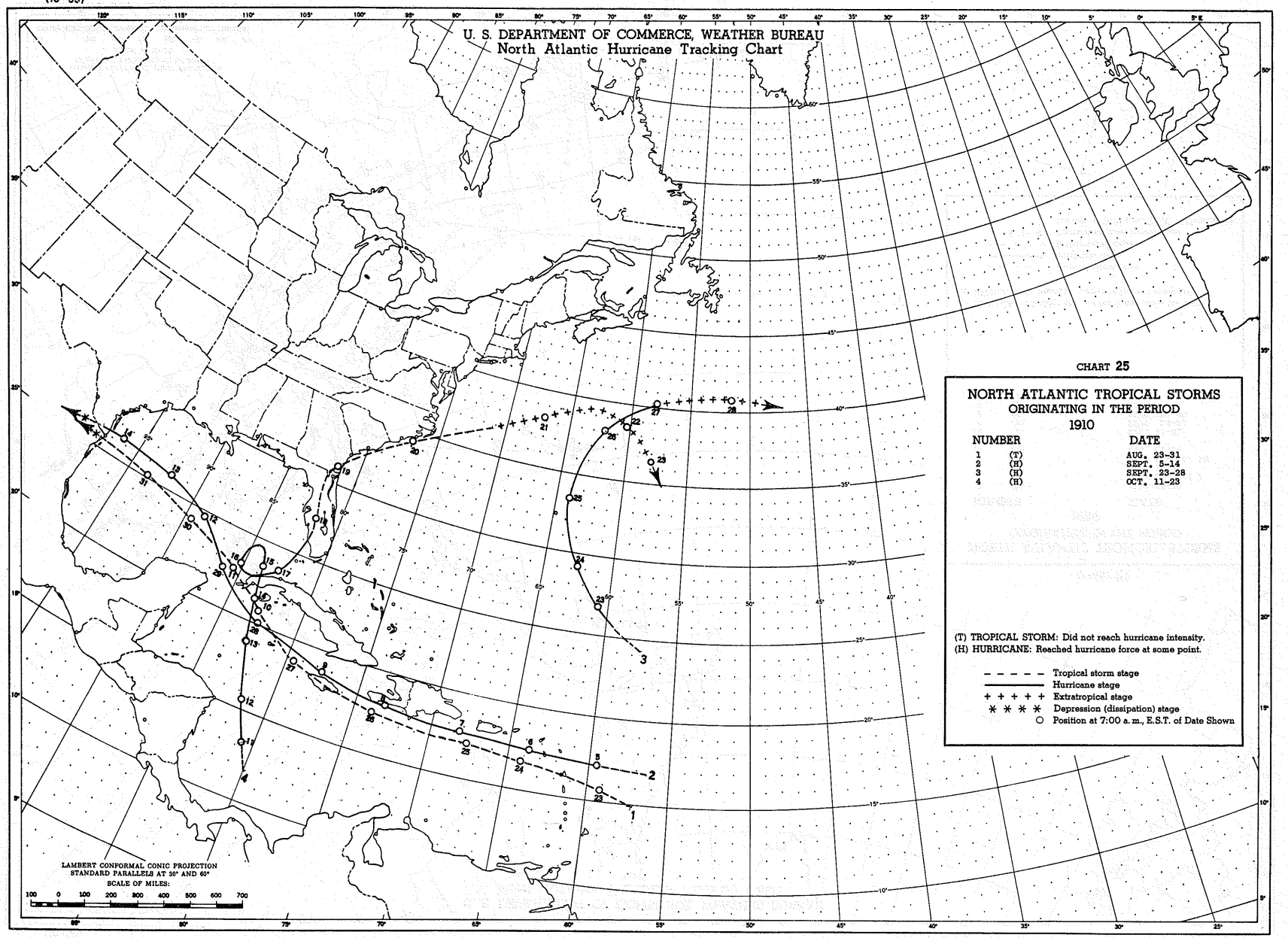
## NORTH ATLANTIC TROPICAL STORMS
### ORIGINATING IN THE PERIOD
### 1909

| NUMBER | | DATE |
|---|---|---|
| 1 | (T) | JUNE 25-30 |
| 2 | (T) | JUNE 26-JULY 1 |
| 3 | (H) | JULY 13-22 |
| 4 | (T) | JULY 27-AUG. 10 |
| 5 | (H) | AUG. 21-28 |
| 6 | (T) | AUG. 27-31 |
| 7 | (H) | SEPT. 14-21 |
| 8 | (T) | SEPT. 22-30 |
| 9 | (H) | OCT. 7-13 |
| 10 | (T) | NOV. 8-14 |

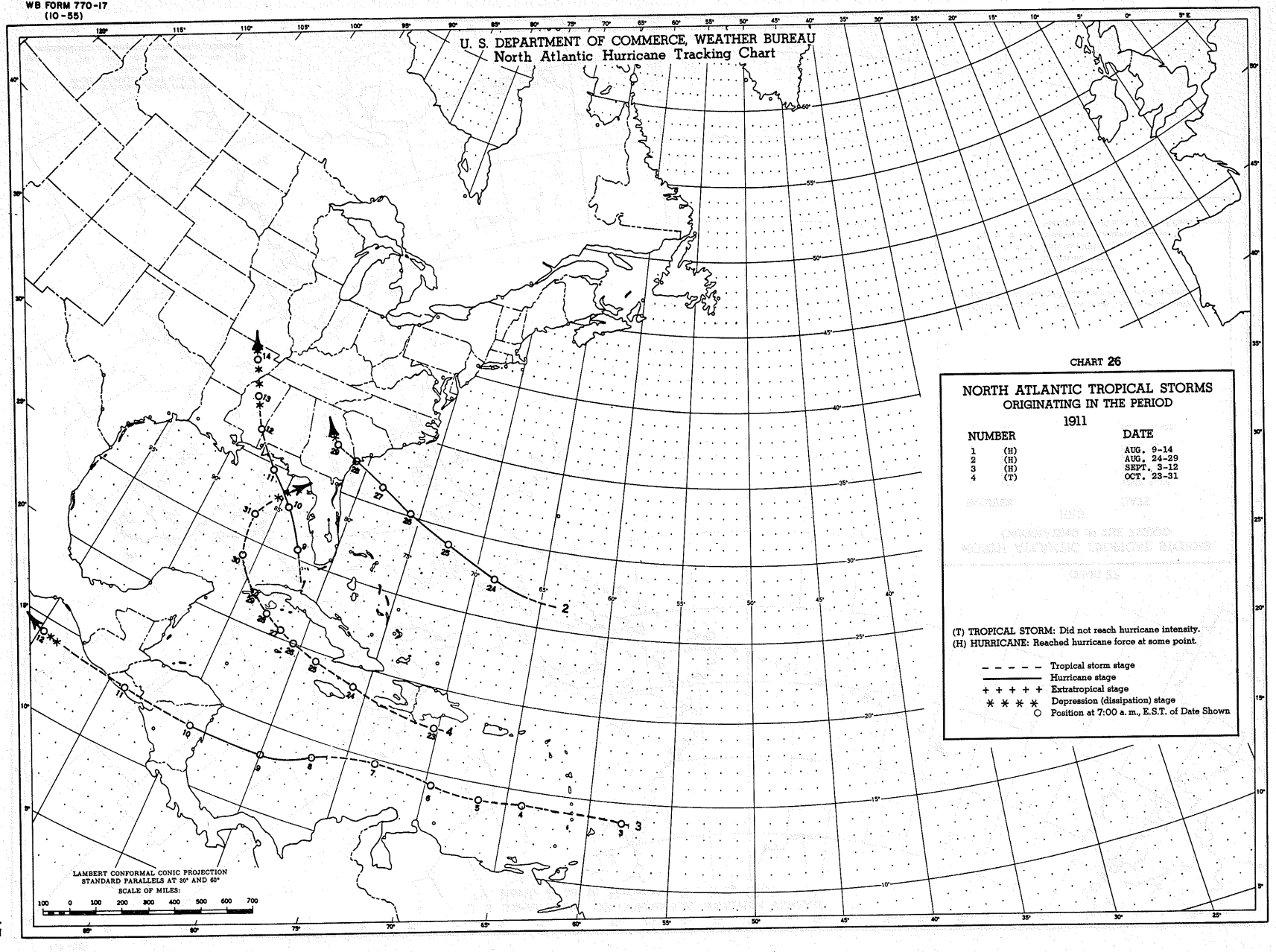
(T) TROPICAL STORM: Did not reach hurricane intensity.
(H) HURRICANE: Reached hurricane force at some point.

- - - - - Tropical storm stage
——— Hurricane stage
+ + + + + Extratropical stage
✱ ✱ ✱ ✱ Depression (dissipation) stage
○ Position at 7:00 a. m., E.S.T. of Date Shown

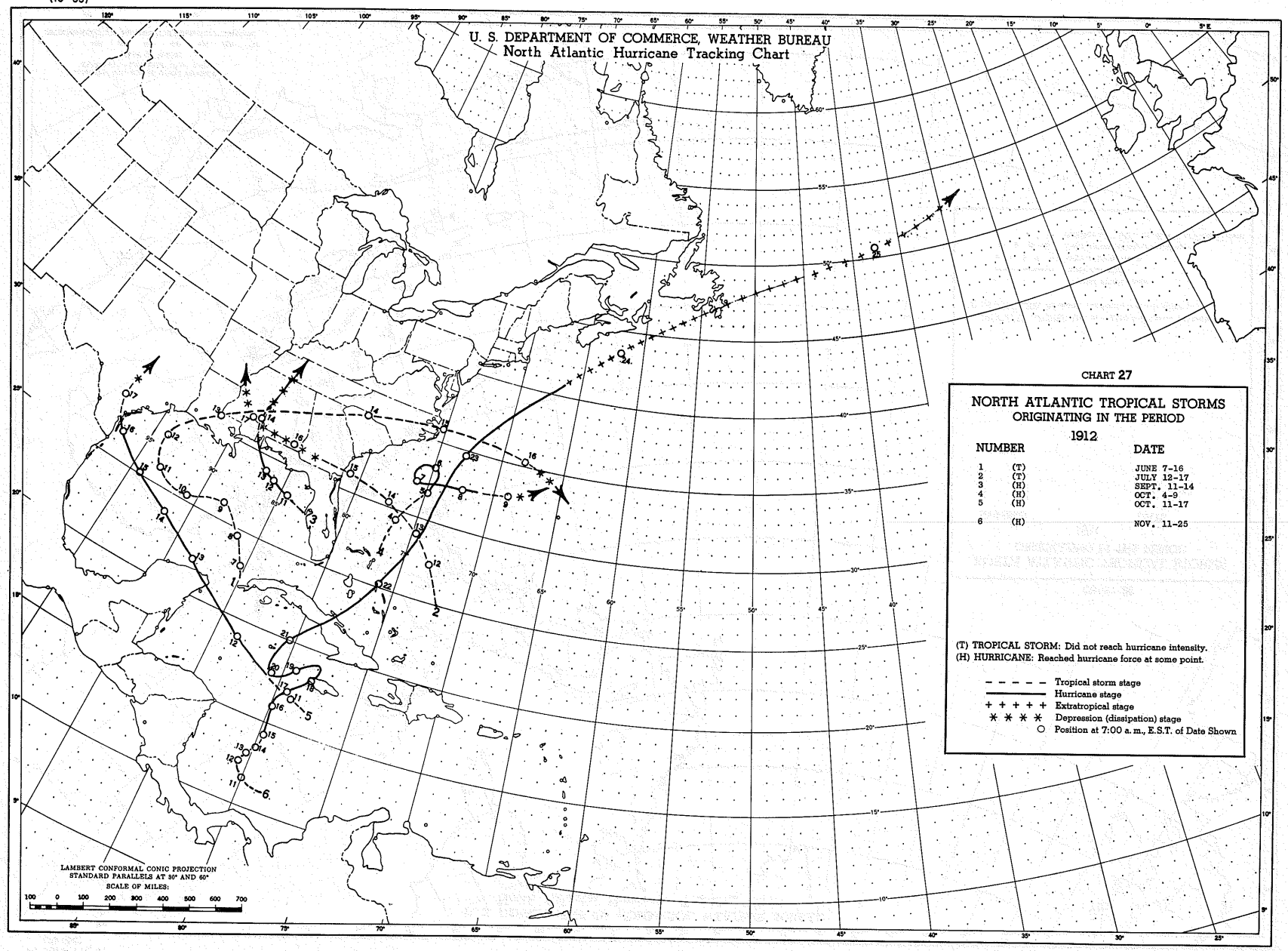
WB FORM 770-17
(10-55)



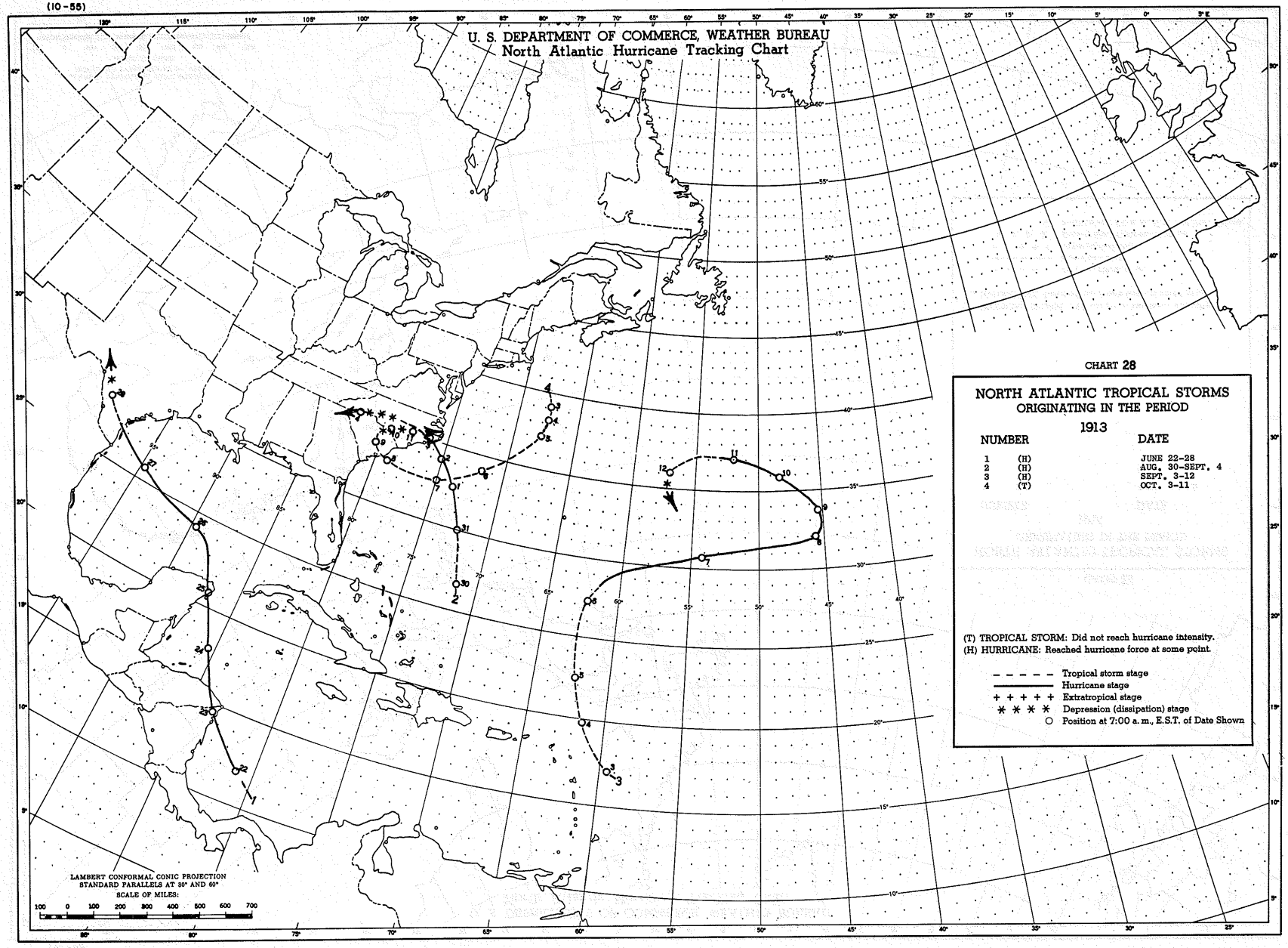
WB FORM 770-17
(10-55)



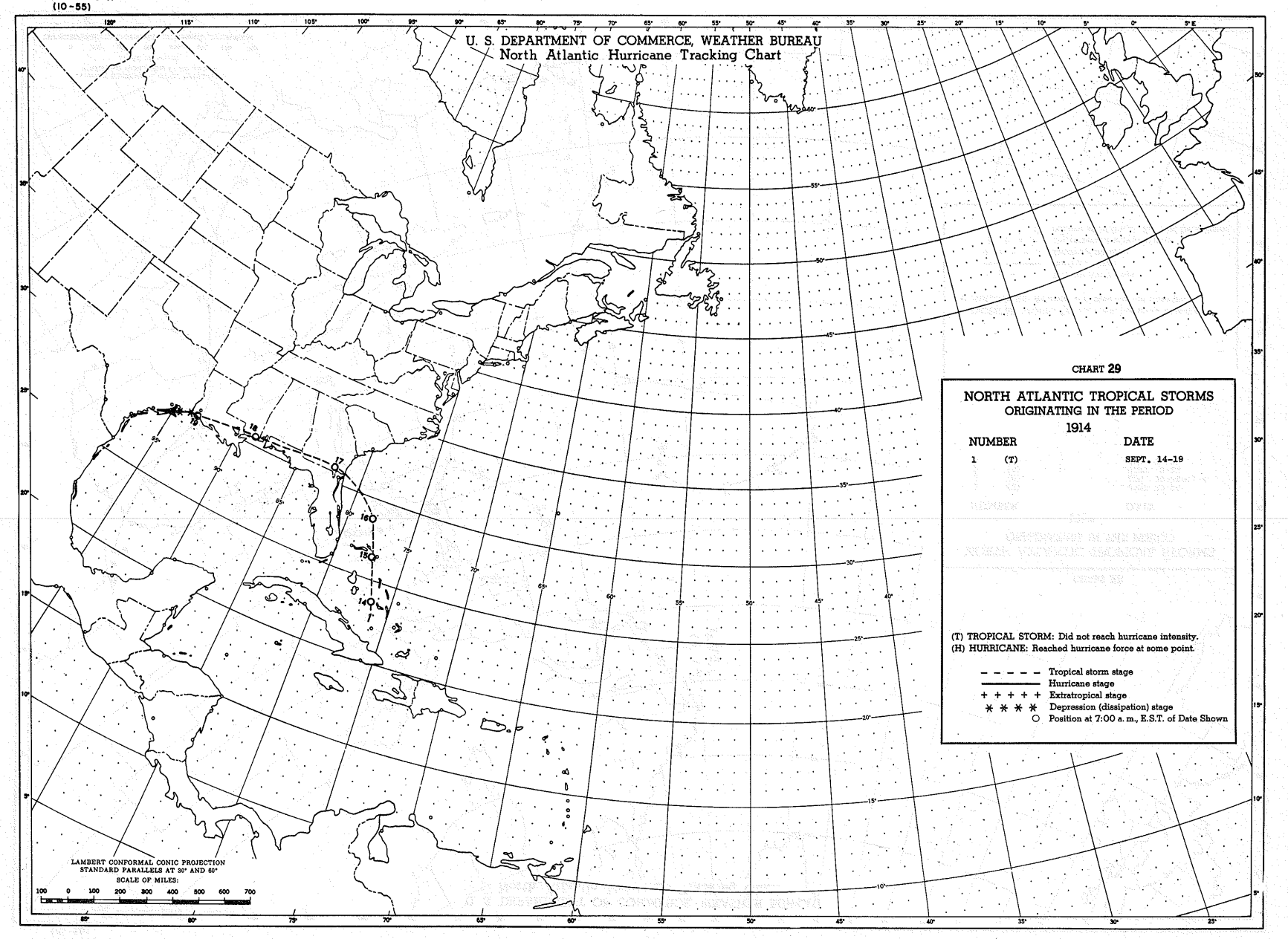
WB FORM 770-17
(10-55)



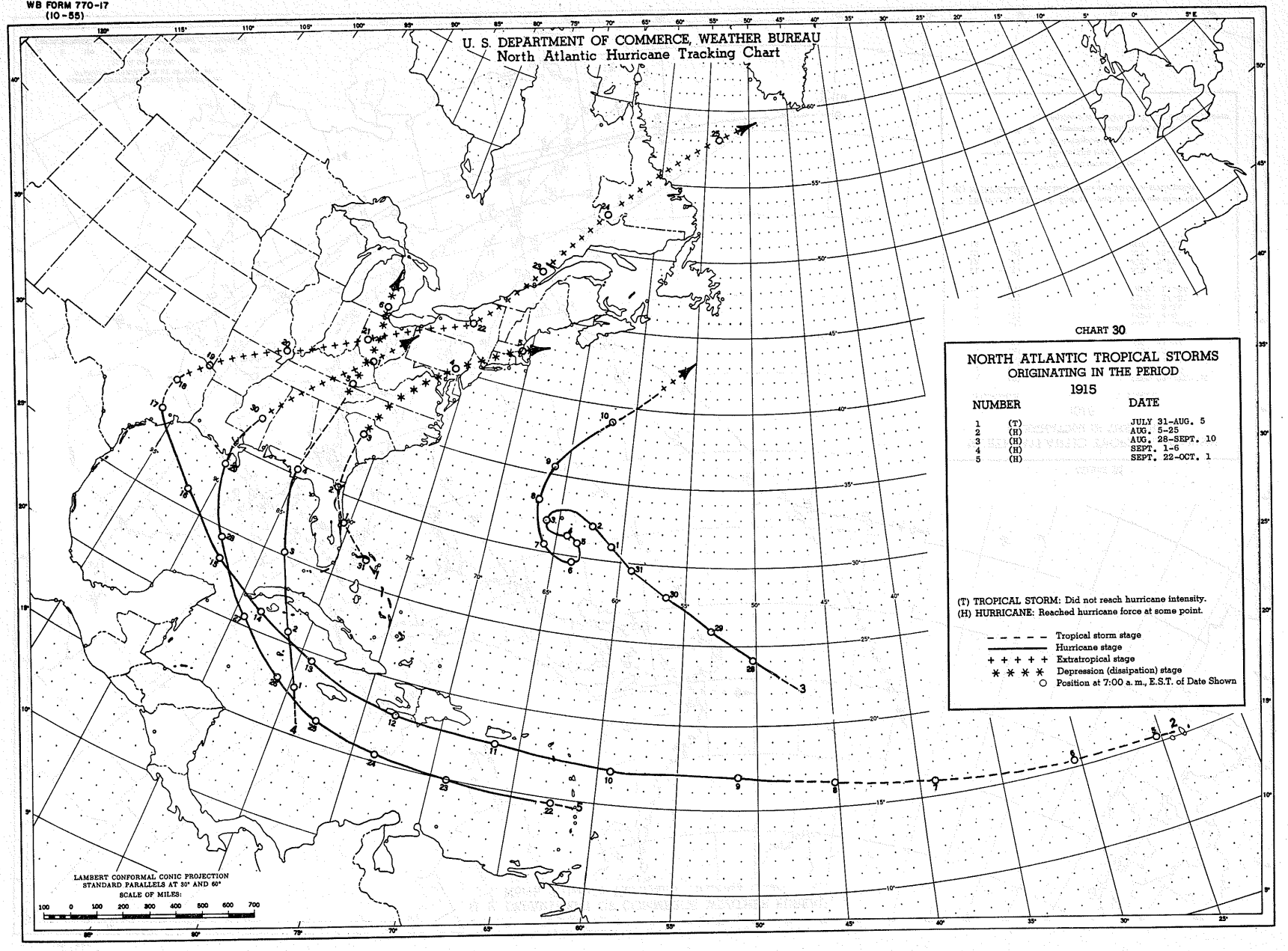
WB FORM 770-17
(10-55)



WB FORM 770-17
(10-55)



WB FORM 770-17
(10-55)



WB FORM 770-17
(10-55)

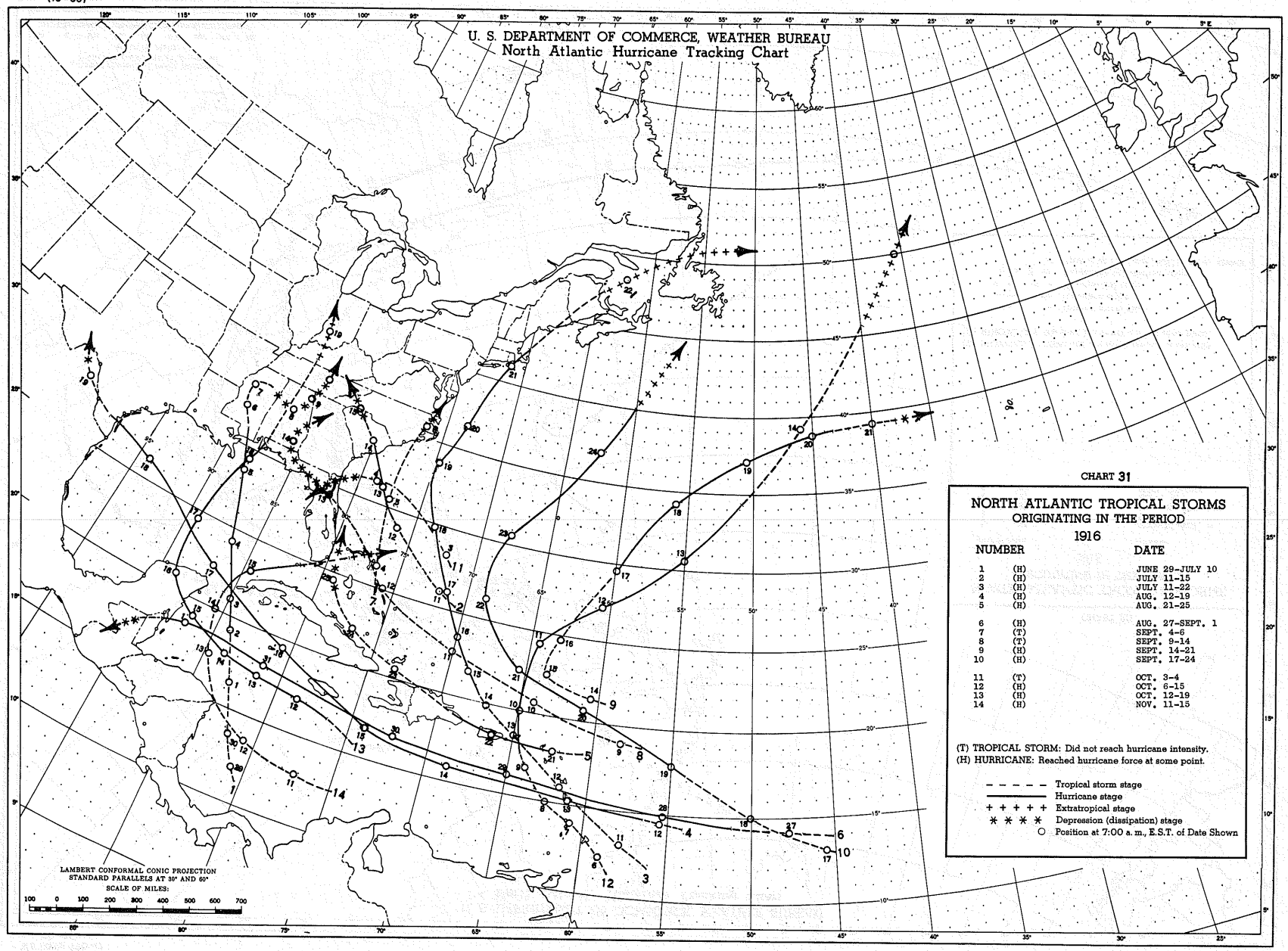



CHART 31

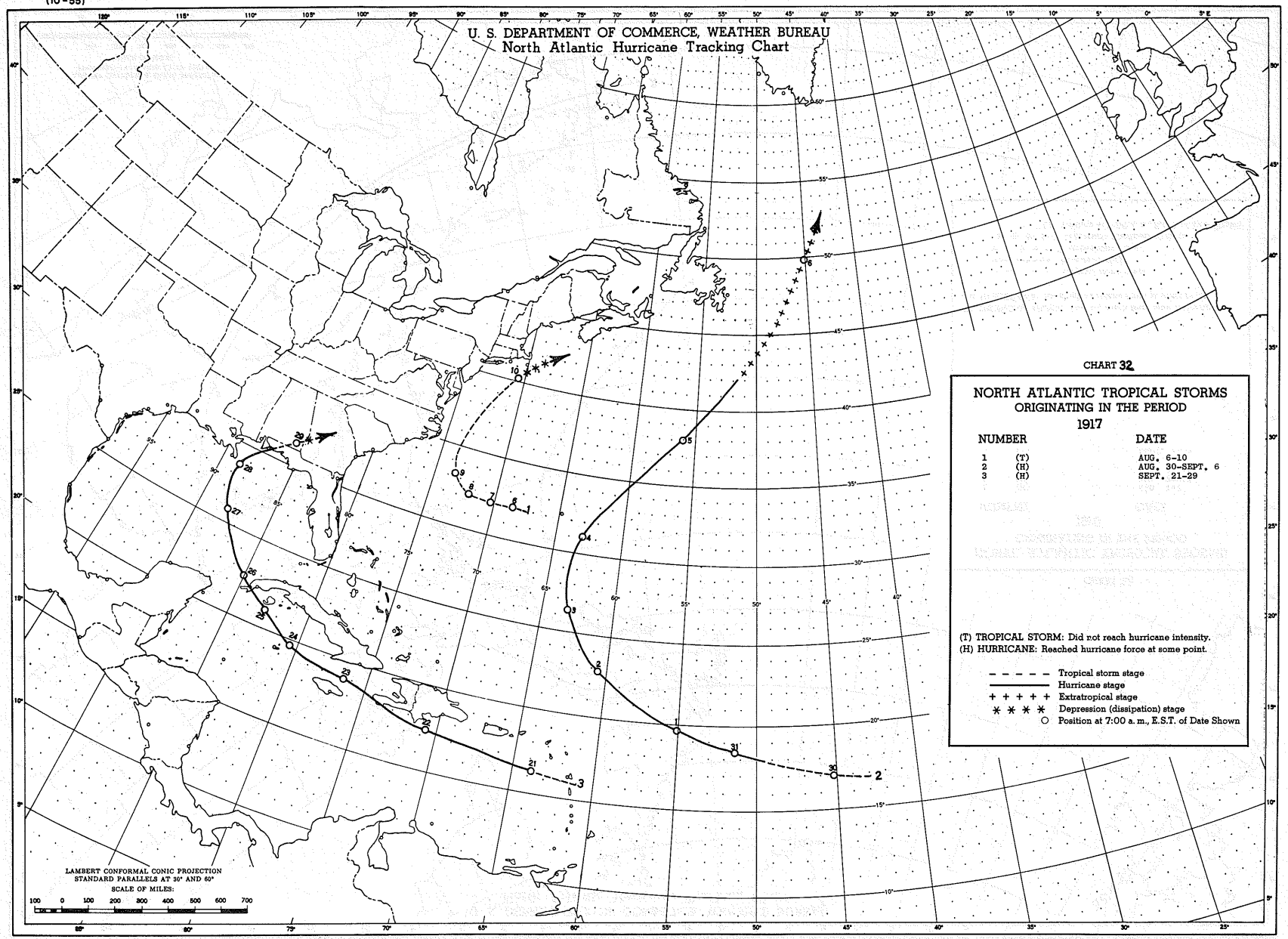
## NORTH ATLANTIC TROPICAL STORMS
### ORIGINATING IN THE PERIOD
### 1916

| NUMBER | | DATE |
|---|---|---|
| 1 | (H) | JUNE 29-JULY 10 |
| 2 | (H) | JULY 11-15 |
| 3 | (H) | JULY 11-22 |
| 4 | (H) | AUG. 12-19 |
| 5 | (H) | AUG. 21-25 |
| 6 | (H) | AUG. 27-SEPT. 1 |
| 7 | (T) | SEPT. 4-6 |
| 8 | (T) | SEPT. 9-14 |
| 9 | (H) | SEPT. 14-21 |
| 10 | (H) | SEPT. 17-24 |
| 11 | (T) | OCT. 3-4 |
| 12 | (H) | OCT. 6-15 |
| 13 | (H) | OCT. 12-19 |
| 14 | (H) | NOV. 11-15 |

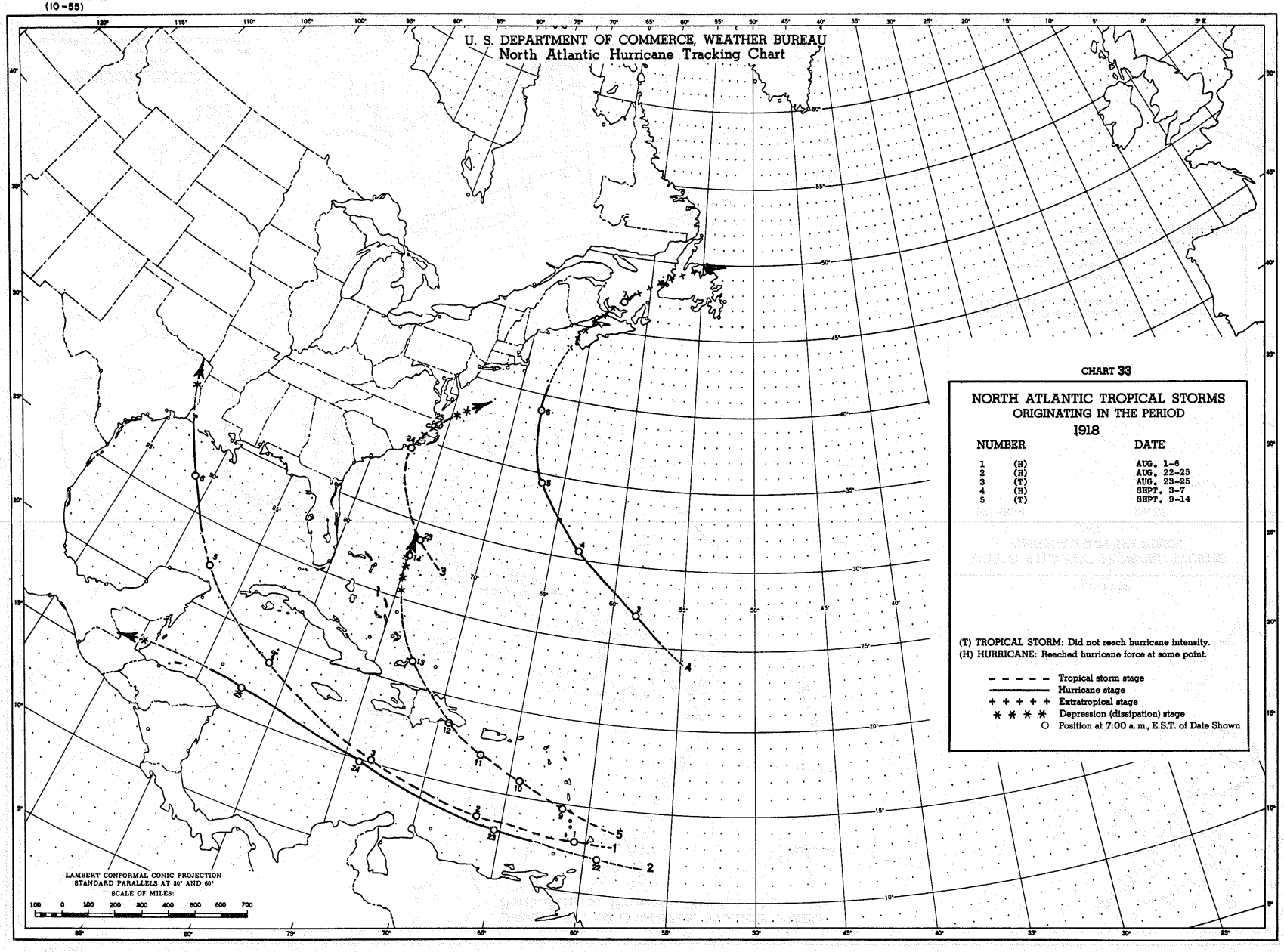
(T) TROPICAL STORM: Did not reach hurricane intensity.
(H) HURRICANE: Reached hurricane force at some point.

- – – – – Tropical storm stage
——— Hurricane stage
+ + + + + Extratropical stage
* * * * Depression (dissipation) stage
○ Position at 7:00 a. m., E.S.T. of Date Shown

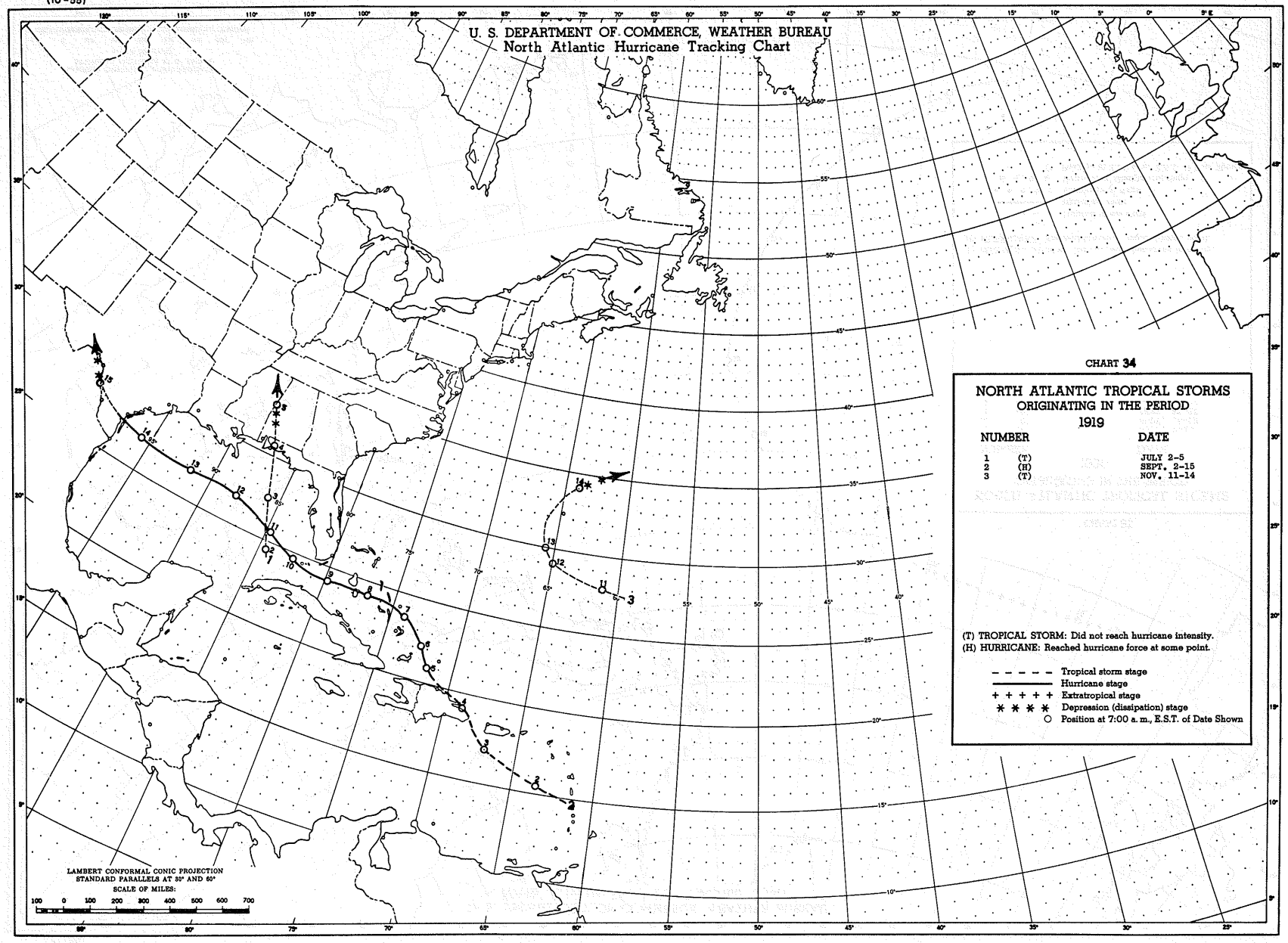
WB FORM 770-17
(10-55)



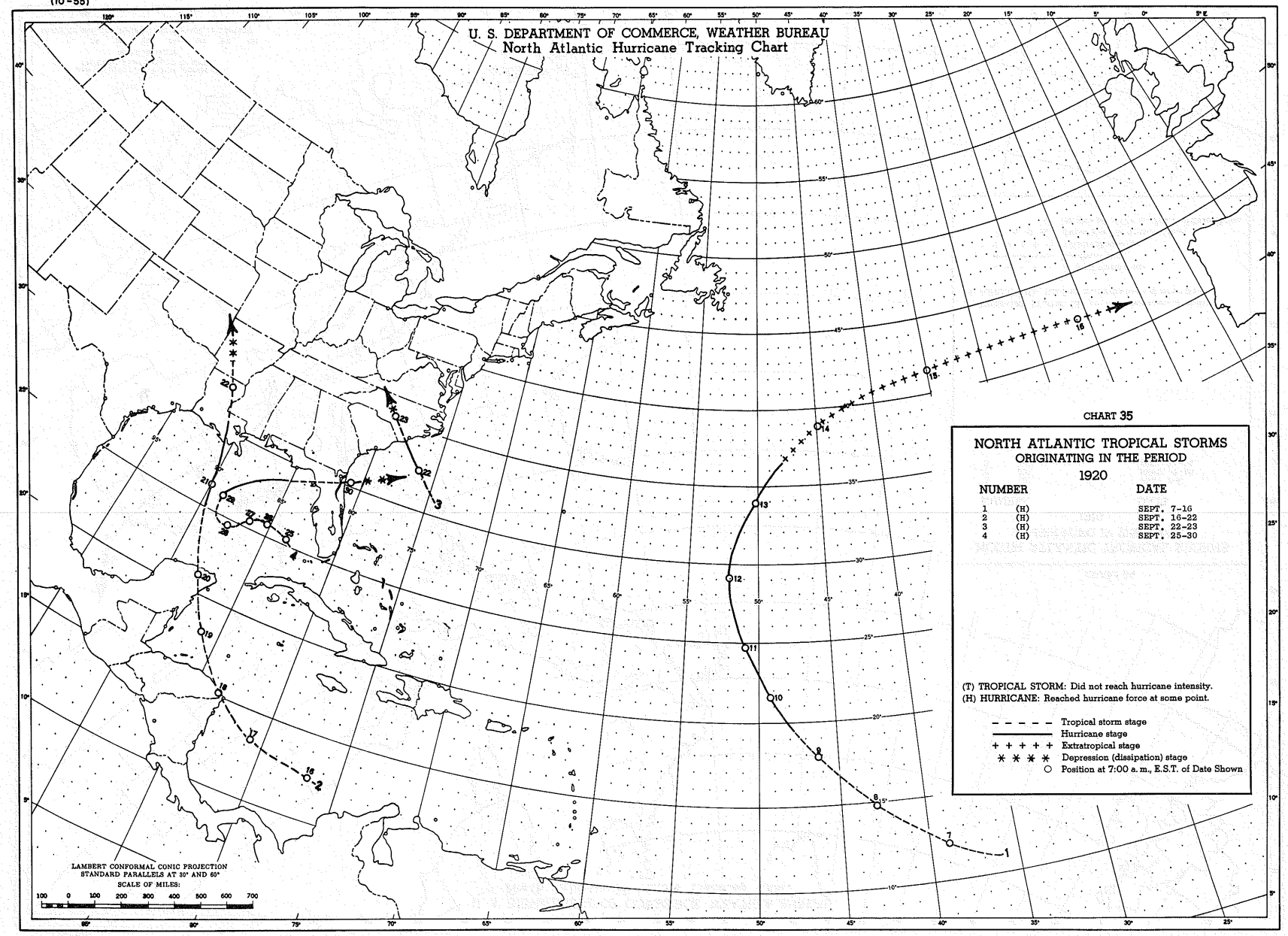
WB FORM 770-17
(10-55)



WB FORM 770-17
(10-55)



WB FORM 770-17
(10-55)



WB FORM 770-17
(10-55)

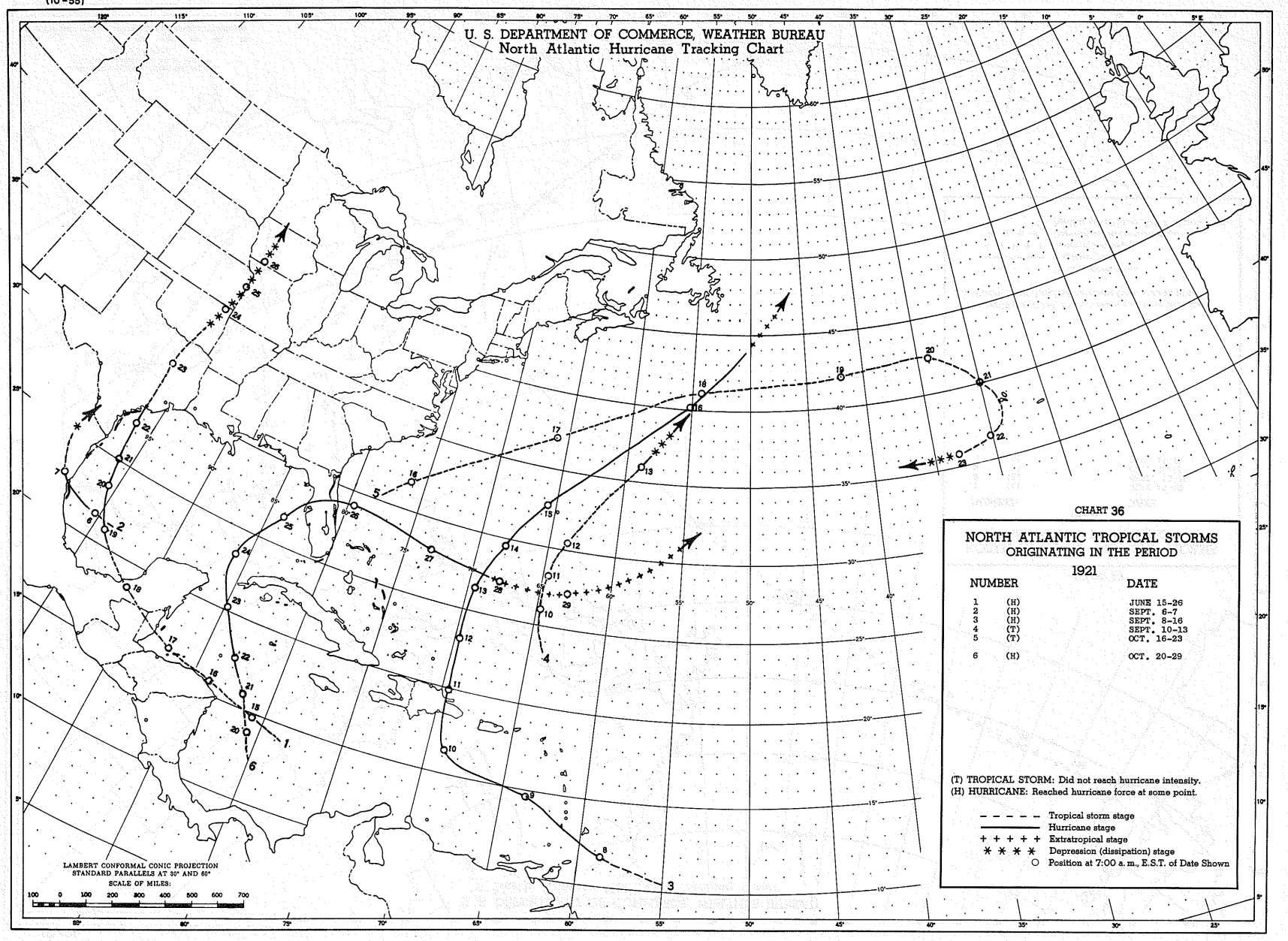



CHART 36

## NORTH ATLANTIC TROPICAL STORMS
ORIGINATING IN THE PERIOD

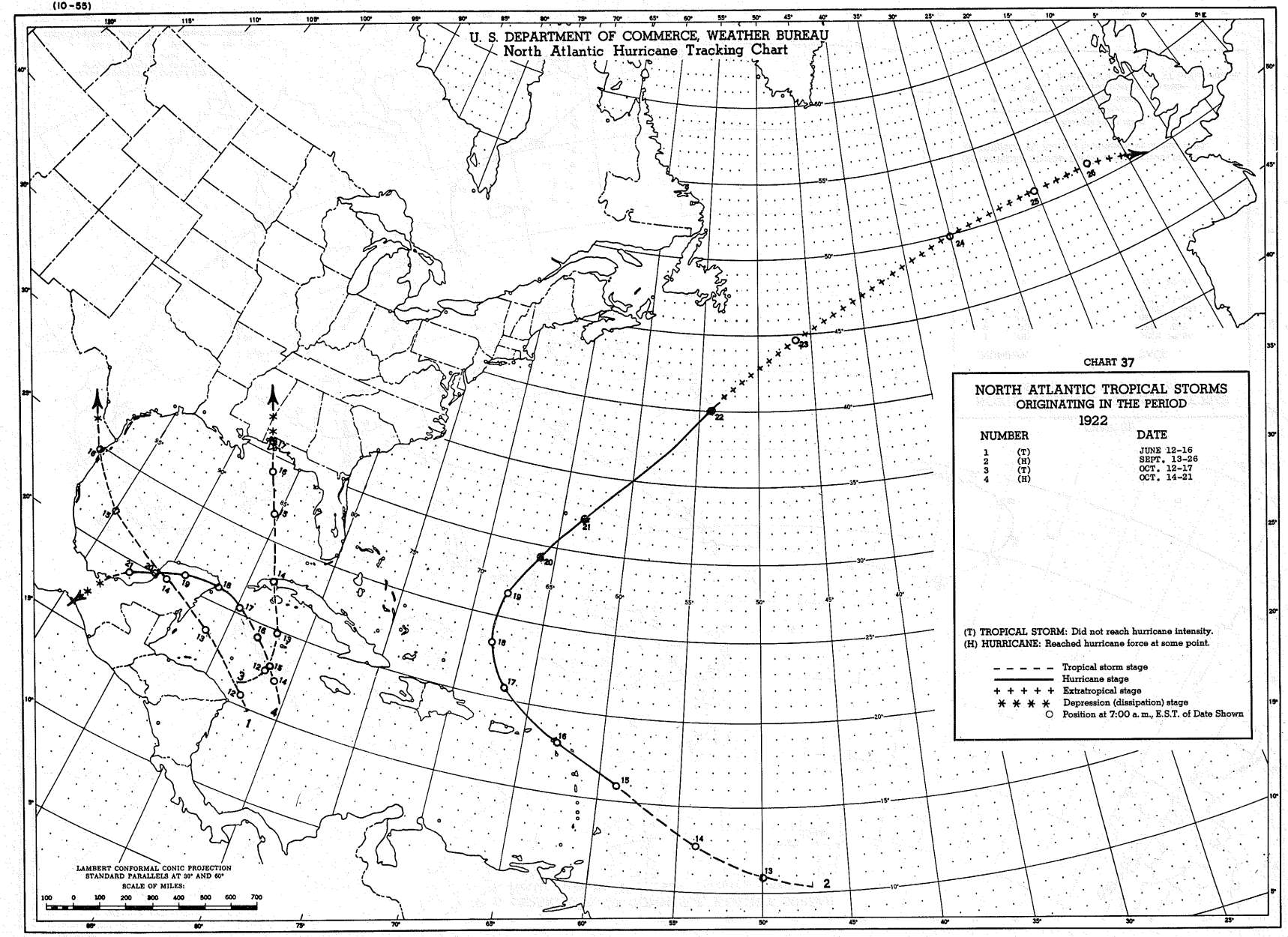
1921

| NUMBER | | DATE |
|---|---|---|
| 1 | (H) | JUNE 15-26 |
| 2 | (H) | SEPT. 6-7 |
| 3 | (H) | SEPT. 8-16 |
| 4 | (T) | SEPT. 10-13 |
| 5 | (T) | OCT. 16-23 |
| 6 | (H) | OCT. 20-29 |

(T) TROPICAL STORM: Did not reach hurricane intensity.
(H) HURRICANE: Reached hurricane force at some point.

- - - - - Tropical storm stage
——— Hurricane stage
+ + + + + Extratropical stage
* * * * Depression (dissipation) stage
○ Position at 7:00 a. m., E.S.T. of Date Shown

WB FORM 770-17
(10-55)



WB FORM 770-17
(10-55)

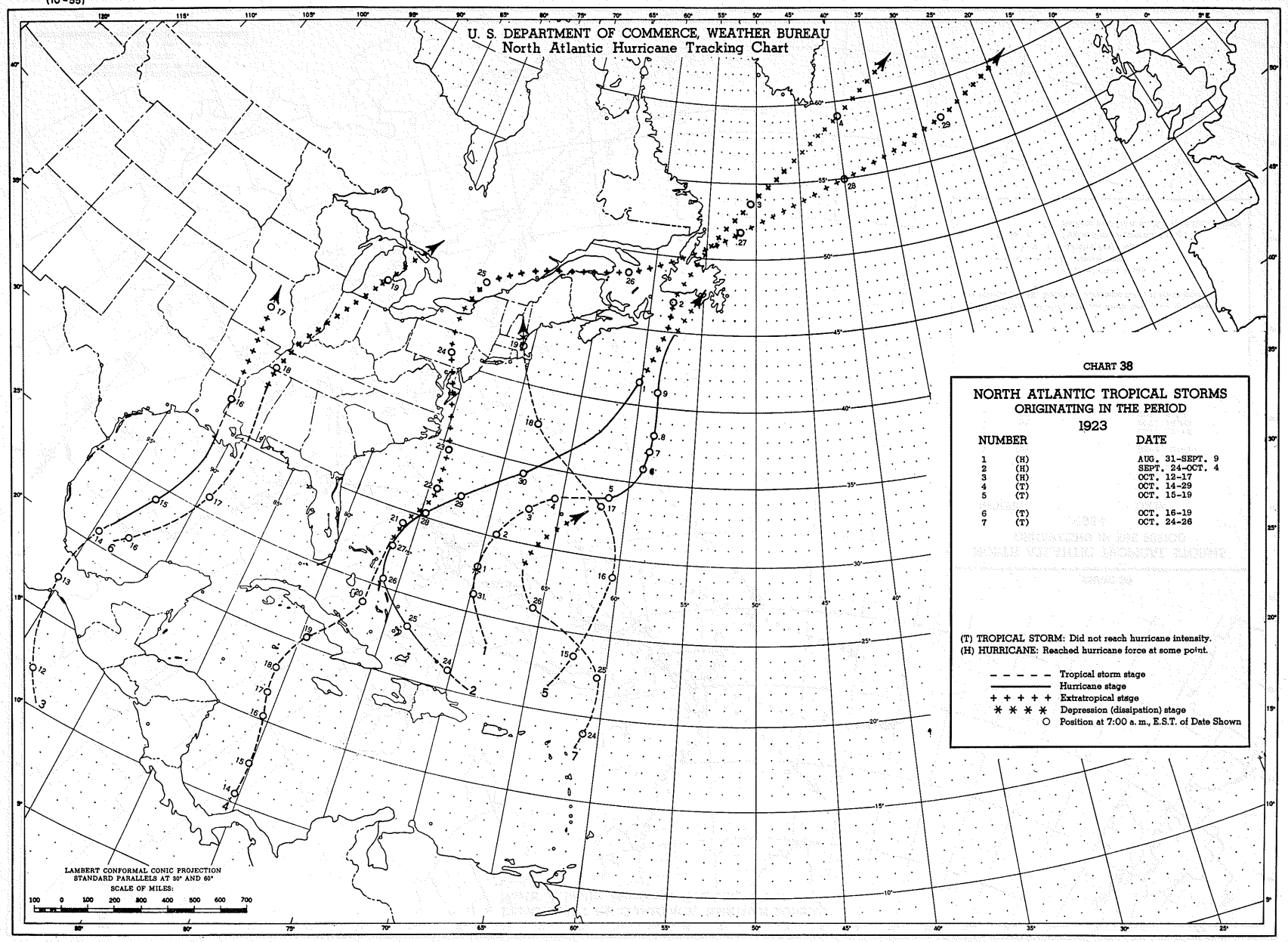



CHART 38

## NORTH ATLANTIC TROPICAL STORMS
ORIGINATING IN THE PERIOD
1923

| NUMBER | | DATE |
|---|---|---|
| 1 | (H) | AUG. 31-SEPT. 9 |
| 2 | (H) | SEPT. 24-OCT. 4 |
| 3 | (H) | OCT. 12-17 |
| 4 | (T) | OCT. 14-29 |
| 5 | (T) | OCT. 15-19 |
| 6 | (T) | OCT. 16-19 |
| 7 | (T) | OCT. 24-26 |

(T) TROPICAL STORM: Did not reach hurricane intensity.
(H) HURRICANE: Reached hurricane force at some point.

- - - - - Tropical storm stage
——— Hurricane stage
+ + + + + Extratropical stage
* * * * Depression (dissipation) stage
O Position at 7:00 a. m., E.S.T. of Date Shown

WB FORM 770-17
(10-55)

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU
North Atlantic Hurricane Tracking Chart

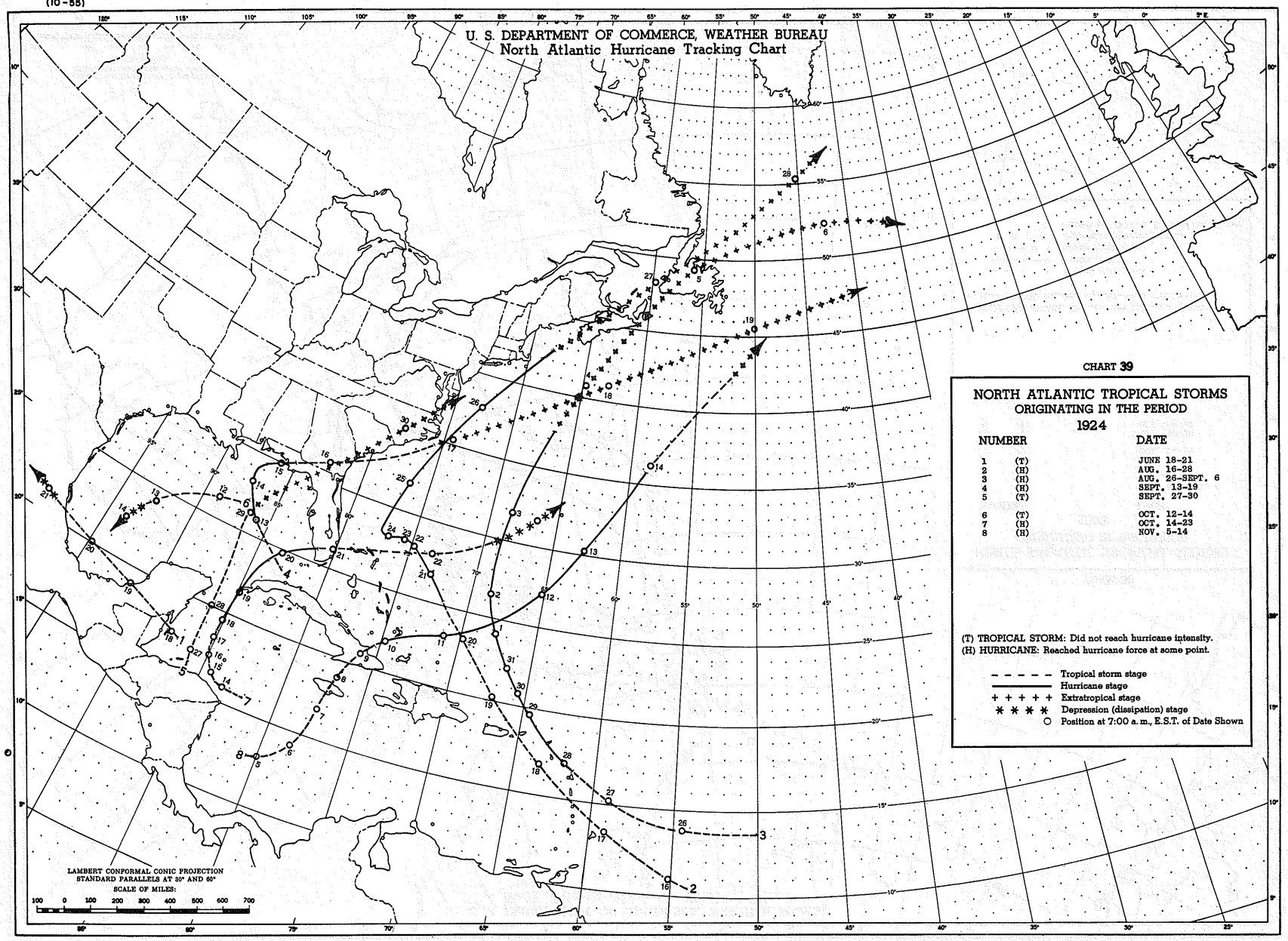


CHART 39

## NORTH ATLANTIC TROPICAL STORMS
ORIGINATING IN THE PERIOD
1924

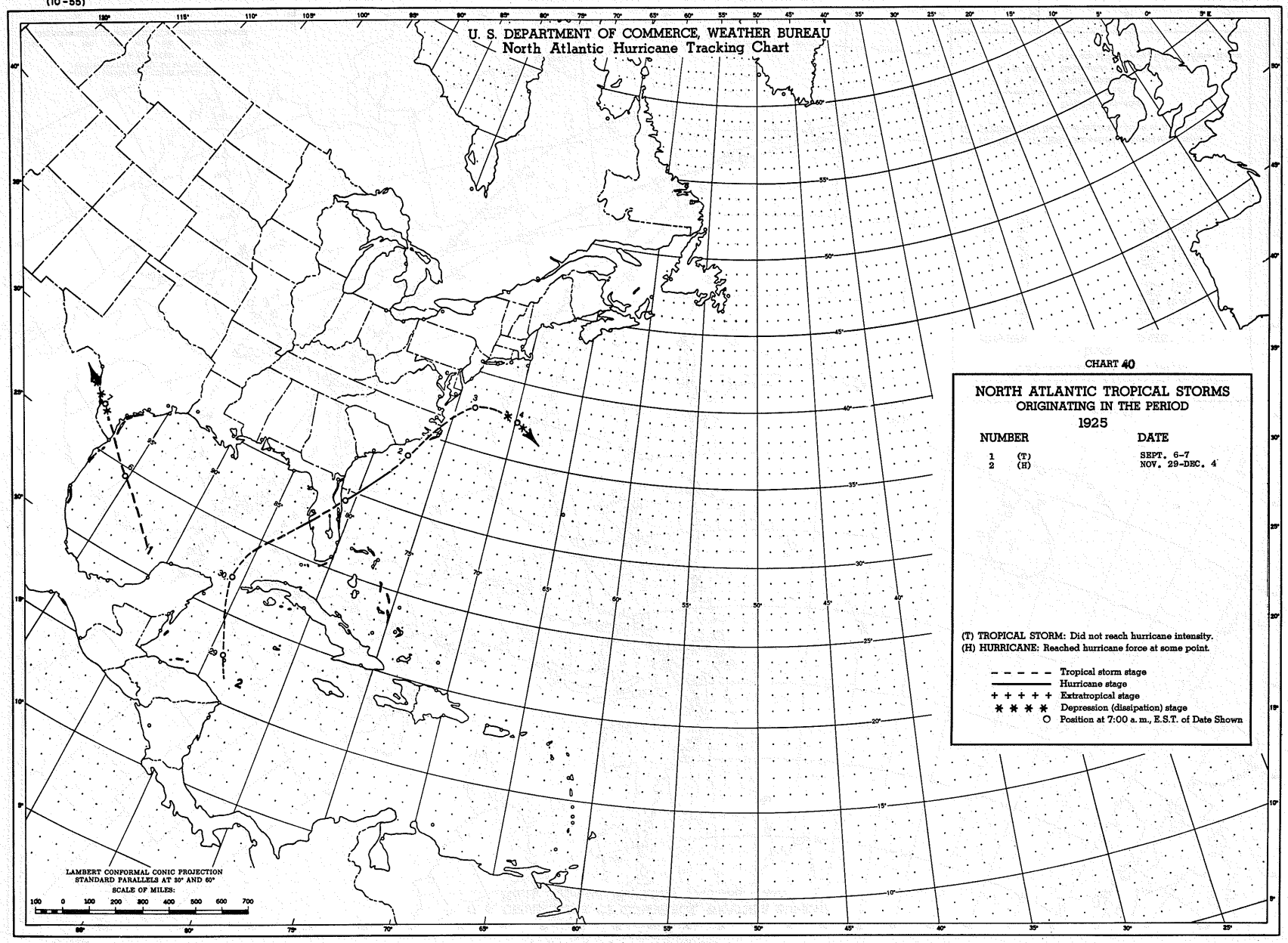
| NUMBER | | DATE |
|---|---|---|
| 1 | (T) | JUNE 18-21 |
| 2 | (H) | AUG. 16-28 |
| 3 | (H) | AUG. 26-SEPT. 6 |
| 4 | (H) | SEPT. 13-19 |
| 5 | (T) | SEPT. 27-30 |
| 6 | (T) | OCT. 12-14 |
| 7 | (H) | OCT. 14-23 |
| 8 | (H) | NOV. 5-14 |

(T) TROPICAL STORM: Did not reach hurricane intensity.
(H) HURRICANE: Reached hurricane force at some point.

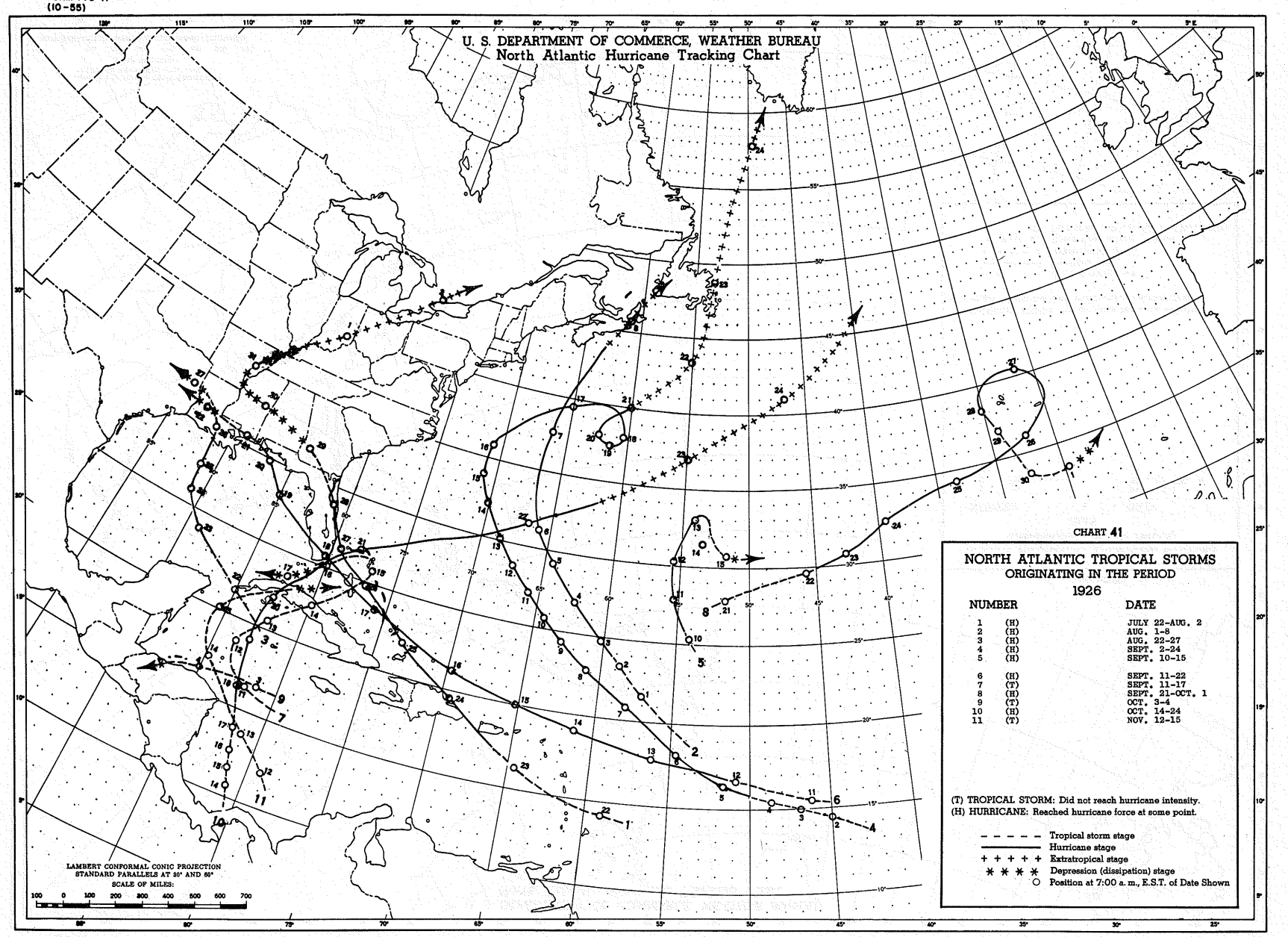
- – – – – Tropical storm stage
——— Hurricane stage
+ + + + + Extratropical stage
* * * * Depression (dissipation) stage
○ Position at 7:00 a. m., E.S.T. of Date Shown

LAMBERT CONFORMAL CONIC PROJECTION
STANDARD PARALLELS AT 30° AND 60°
SCALE OF MILES:
100 0 100 200 300 400 500 600 700

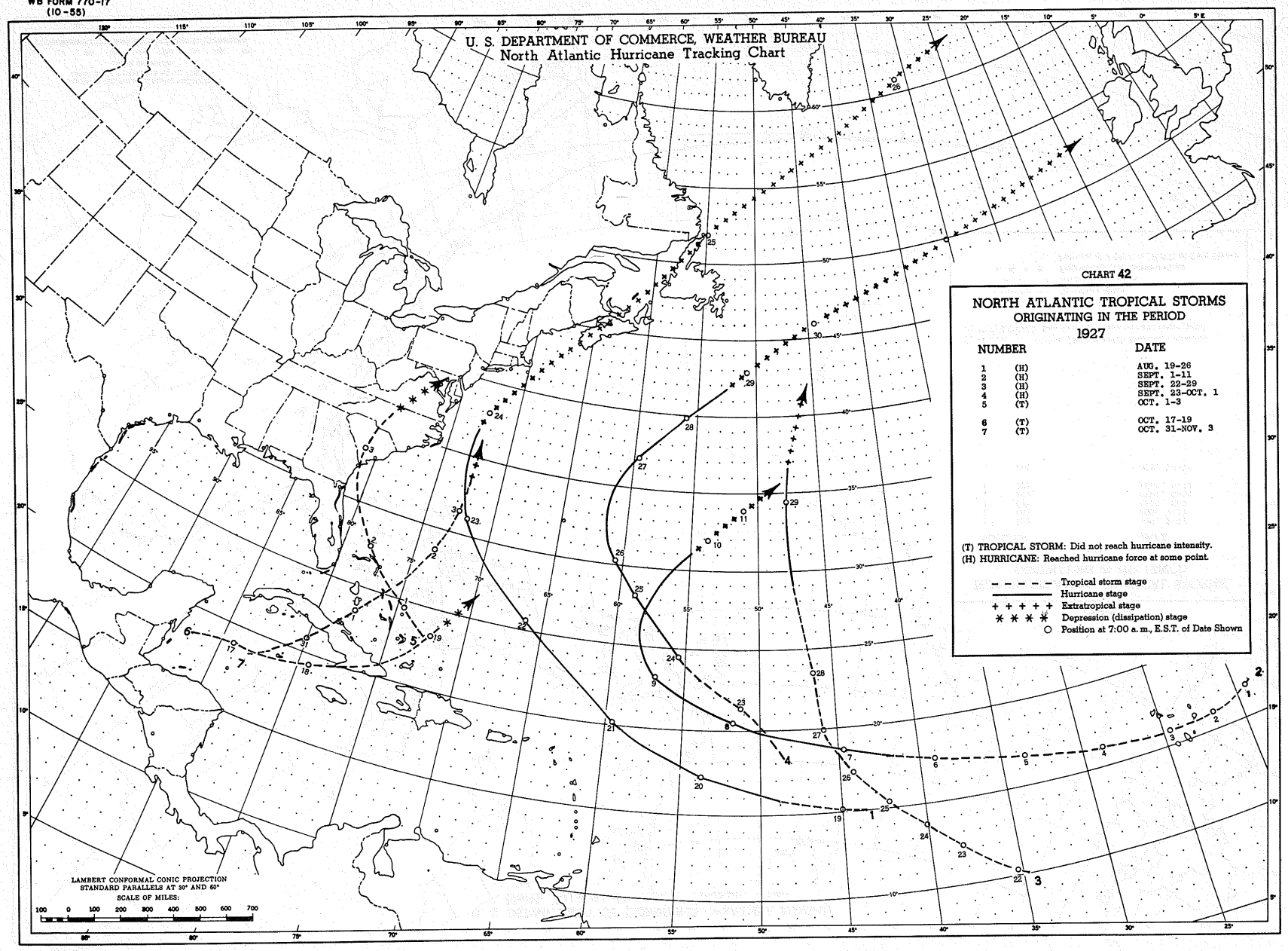
WB FORM 770-17
(10-55)



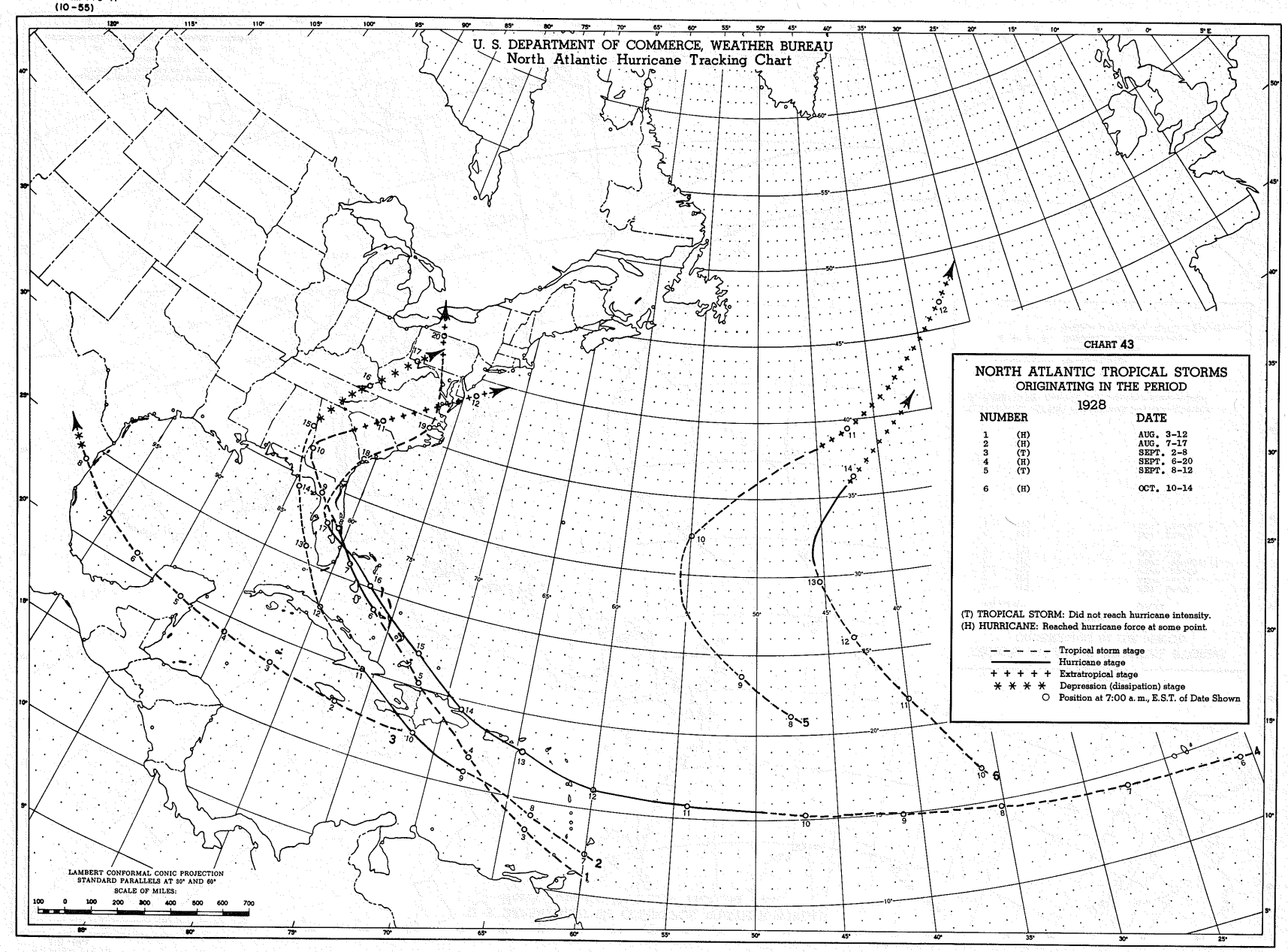
WB FORM 770-17
(10-55)



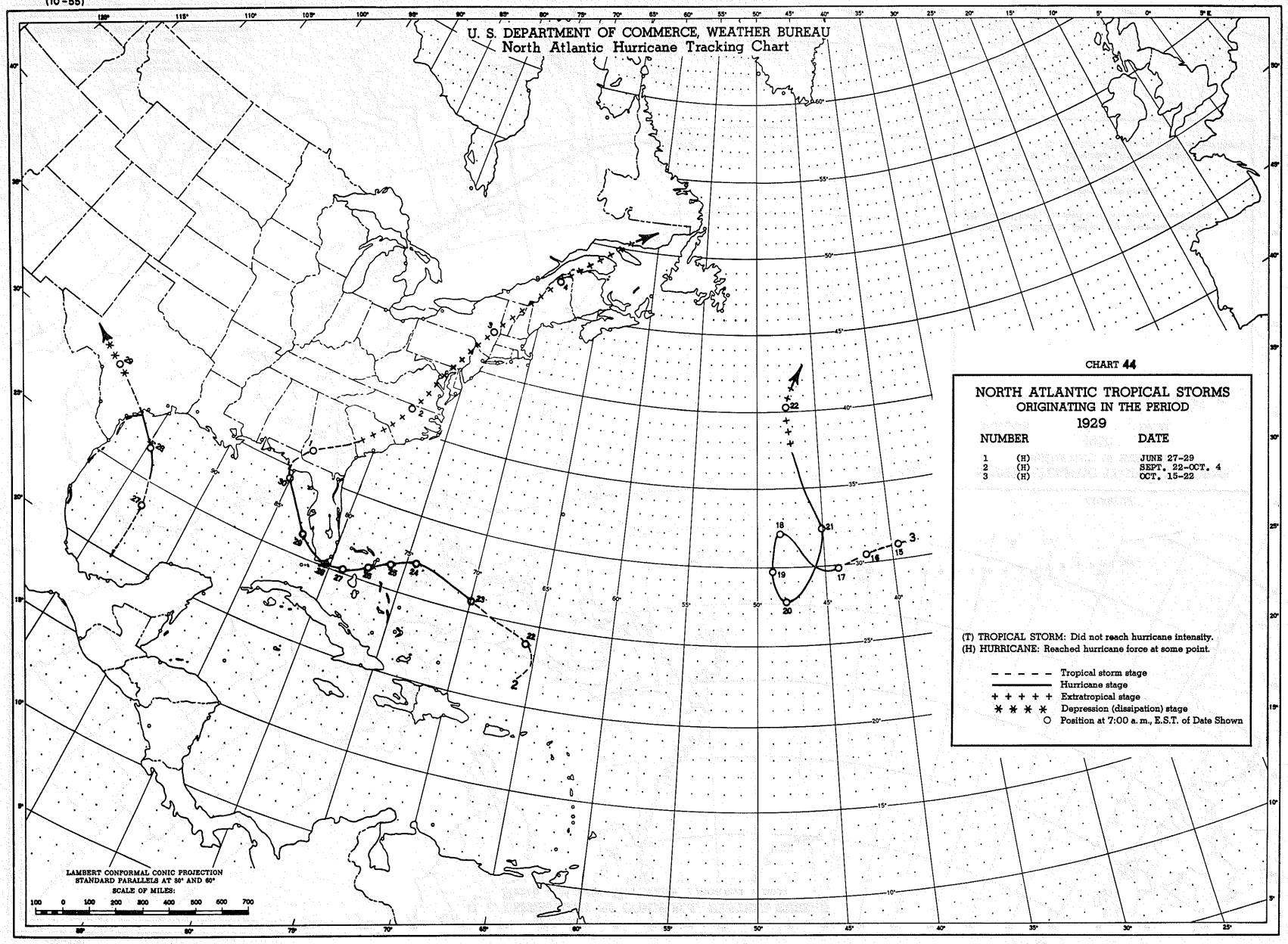
WB FORM 770-17
(10-55)



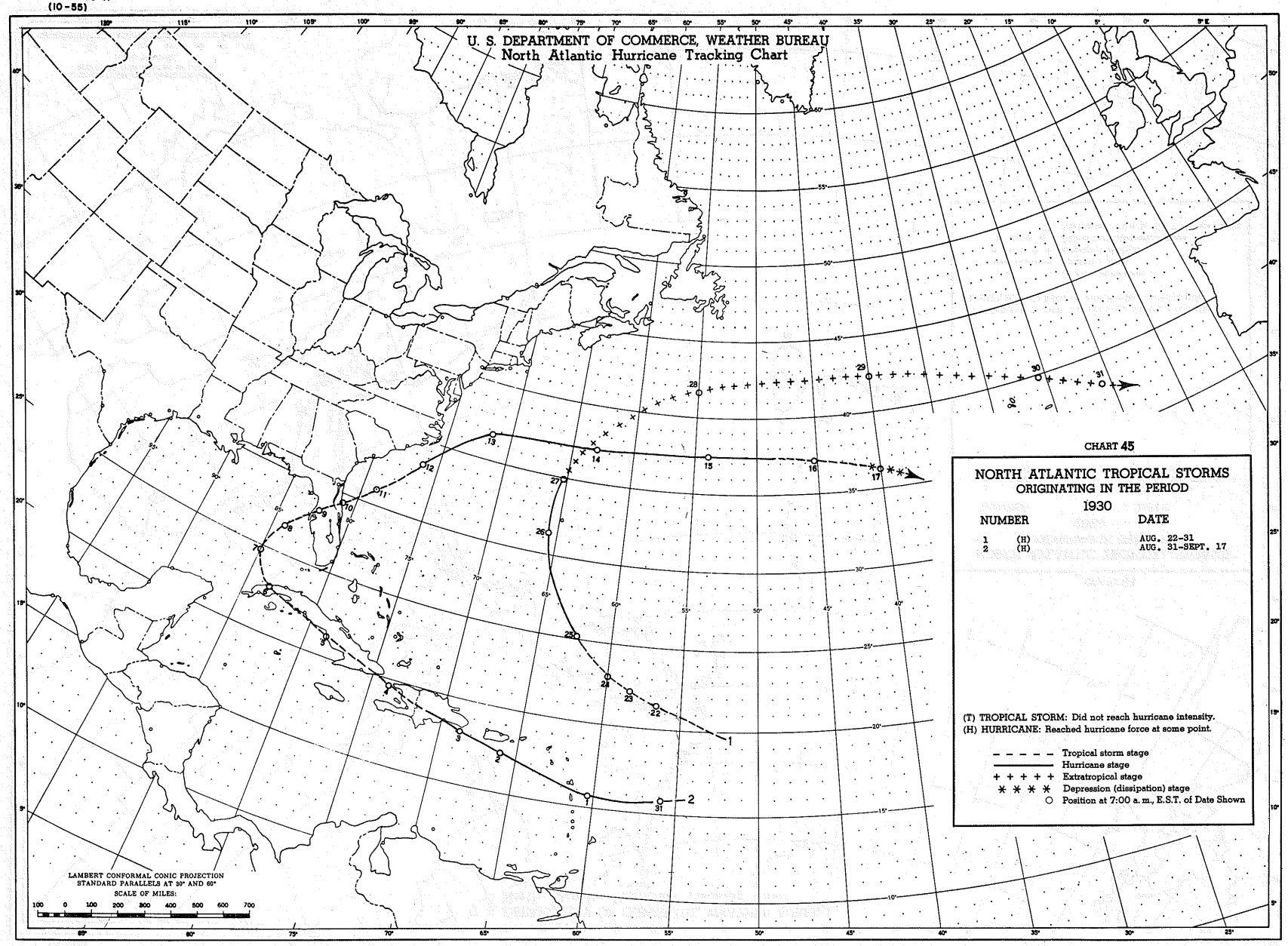
WB FORM 770-17
(10-55)



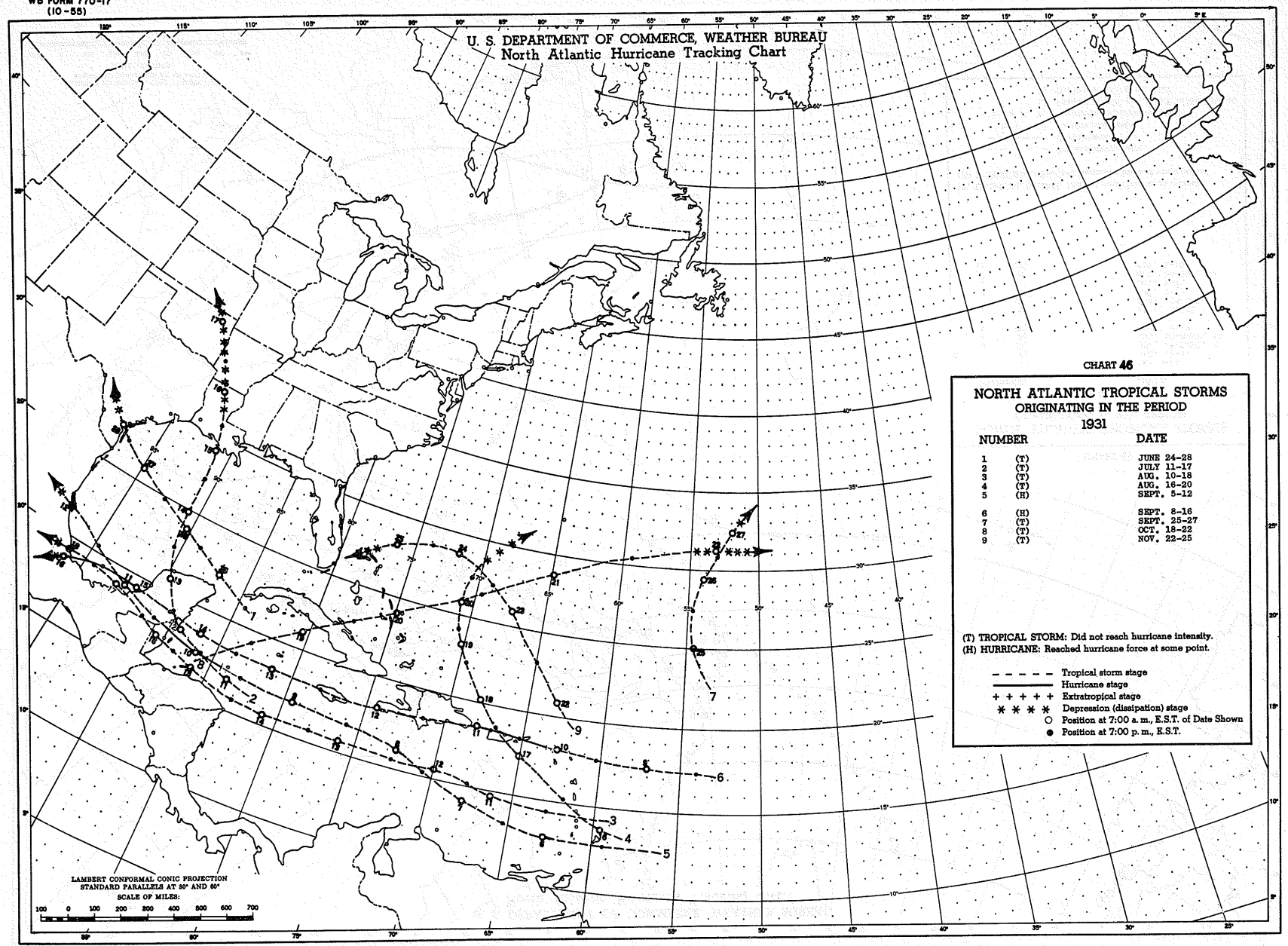
WB FORM 770-17
(10-55)



WB FORM 770-17
(10-55)



WB FORM 770-17
(10-55)



WB FORM 770-17
(10-55)

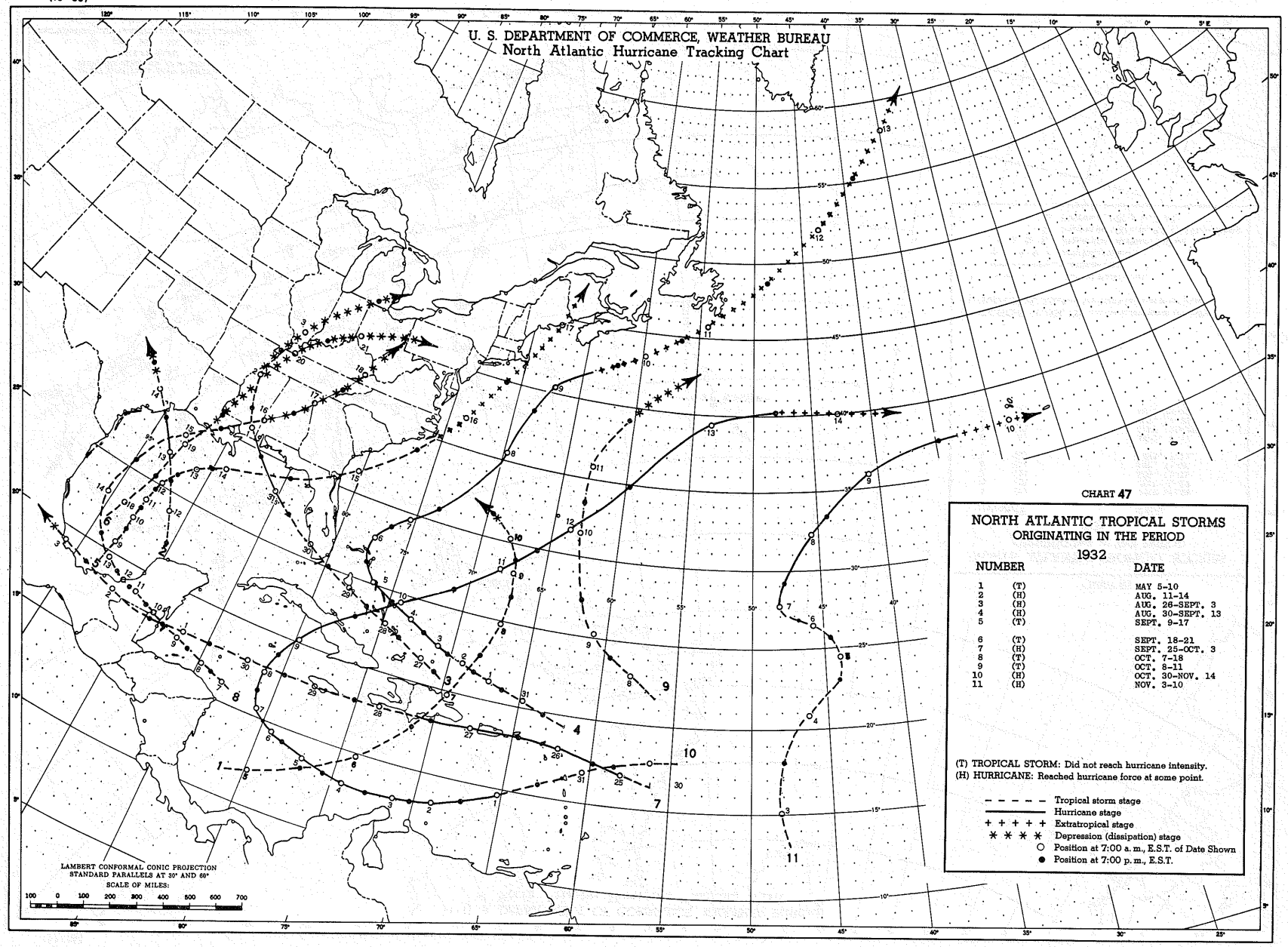



CHART 47

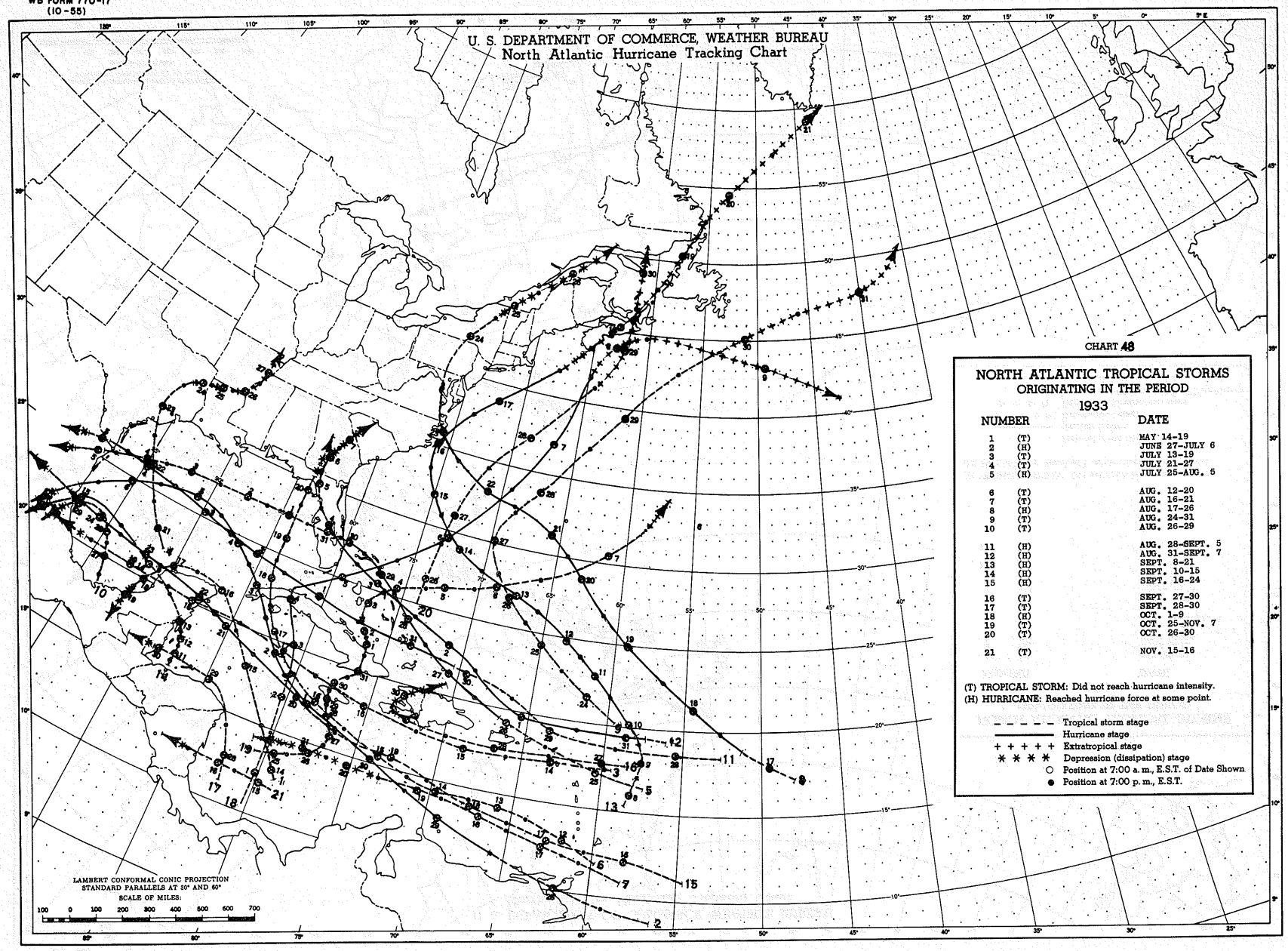
## NORTH ATLANTIC TROPICAL STORMS
### ORIGINATING IN THE PERIOD
### 1932

| NUMBER | | DATE |
|---|---|---|
| 1 | (T) | MAY 5-10 |
| 2 | (H) | AUG. 11-14 |
| 3 | (H) | AUG. 26-SEPT. 3 |
| 4 | (H) | AUG. 30-SEPT. 13 |
| 5 | (T) | SEPT. 9-17 |
| 6 | (T) | SEPT. 18-21 |
| 7 | (H) | SEPT. 25-OCT. 3 |
| 8 | (T) | OCT. 7-18 |
| 9 | (T) | OCT. 8-11 |
| 10 | (H) | OCT. 30-NOV. 14 |
| 11 | (H) | NOV. 3-10 |

(T) TROPICAL STORM: Did not reach hurricane intensity.
(H) HURRICANE: Reached hurricane force at some point.

- – – – – Tropical storm stage
——— Hurricane stage
+ + + + + Extratropical stage
* * * * Depression (dissipation) stage
○ Position at 7:00 a. m., E.S.T. of Date Shown
● Position at 7:00 p. m., E.S.T.

WB FORM 770-17
(10-55)



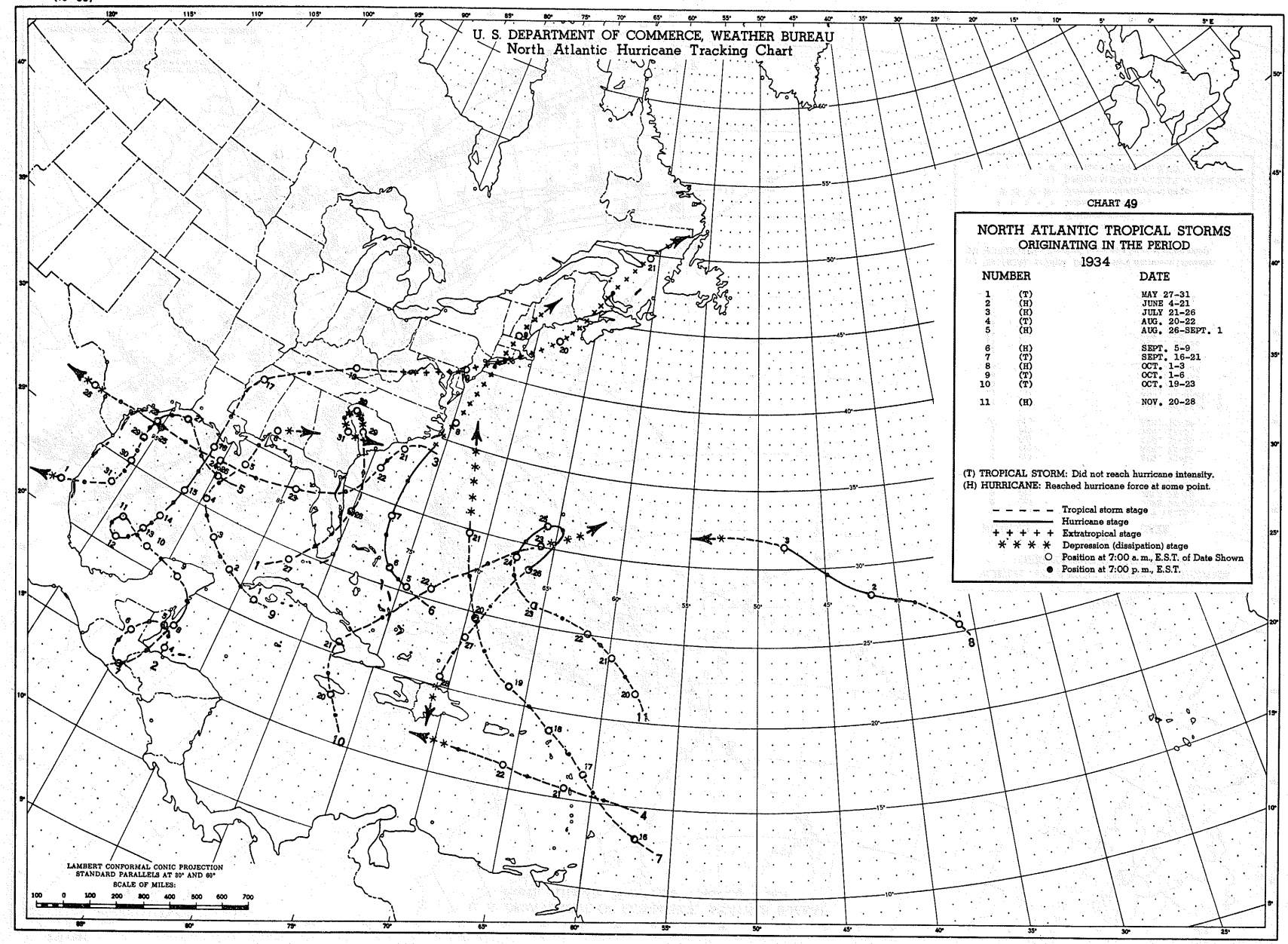

## NORTH ATLANTIC TROPICAL STORMS
### ORIGINATING IN THE PERIOD
### 1933

| NUMBER | | DATE |
|---|---|---|
| 1 | (T) | MAY 14-19 |
| 2 | (H) | JUNE 27-JULY 6 |
| 3 | (T) | JULY 13-19 |
| 4 | (T) | JULY 21-27 |
| 5 | (H) | JULY 25-AUG. 5 |
| 6 | (T) | AUG. 12-20 |
| 7 | (T) | AUG. 16-21 |
| 8 | (H) | AUG. 17-26 |
| 9 | (T) | AUG. 24-31 |
| 10 | (T) | AUG. 26-29 |
| 11 | (H) | AUG. 28-SEPT. 5 |
| 12 | (H) | AUG. 31-SEPT. 7 |
| 13 | (H) | SEPT. 8-21 |
| 14 | (H) | SEPT. 10-15 |
| 15 | (H) | SEPT. 16-24 |
| 16 | (T) | SEPT. 27-30 |
| 17 | (T) | SEPT. 28-30 |
| 18 | (H) | OCT. 1-9 |
| 19 | (T) | OCT. 25-NOV. 7 |
| 20 | (T) | OCT. 26-30 |
| 21 | (T) | NOV. 15-16 |

(T) TROPICAL STORM: Did not reach hurricane intensity.
(H) HURRICANE: Reached hurricane force at some point.

- – – – – Tropical storm stage
——— Hurricane stage
+ + + + + Extratropical stage
* * * * Depression (dissipation) stage
○ Position at 7:00 a. m., E.S.T. of Date Shown
● Position at 7:00 p. m., E.S.T.

WB FORM 770-17
(10-55)



WB FORM 770-17
(10-55)

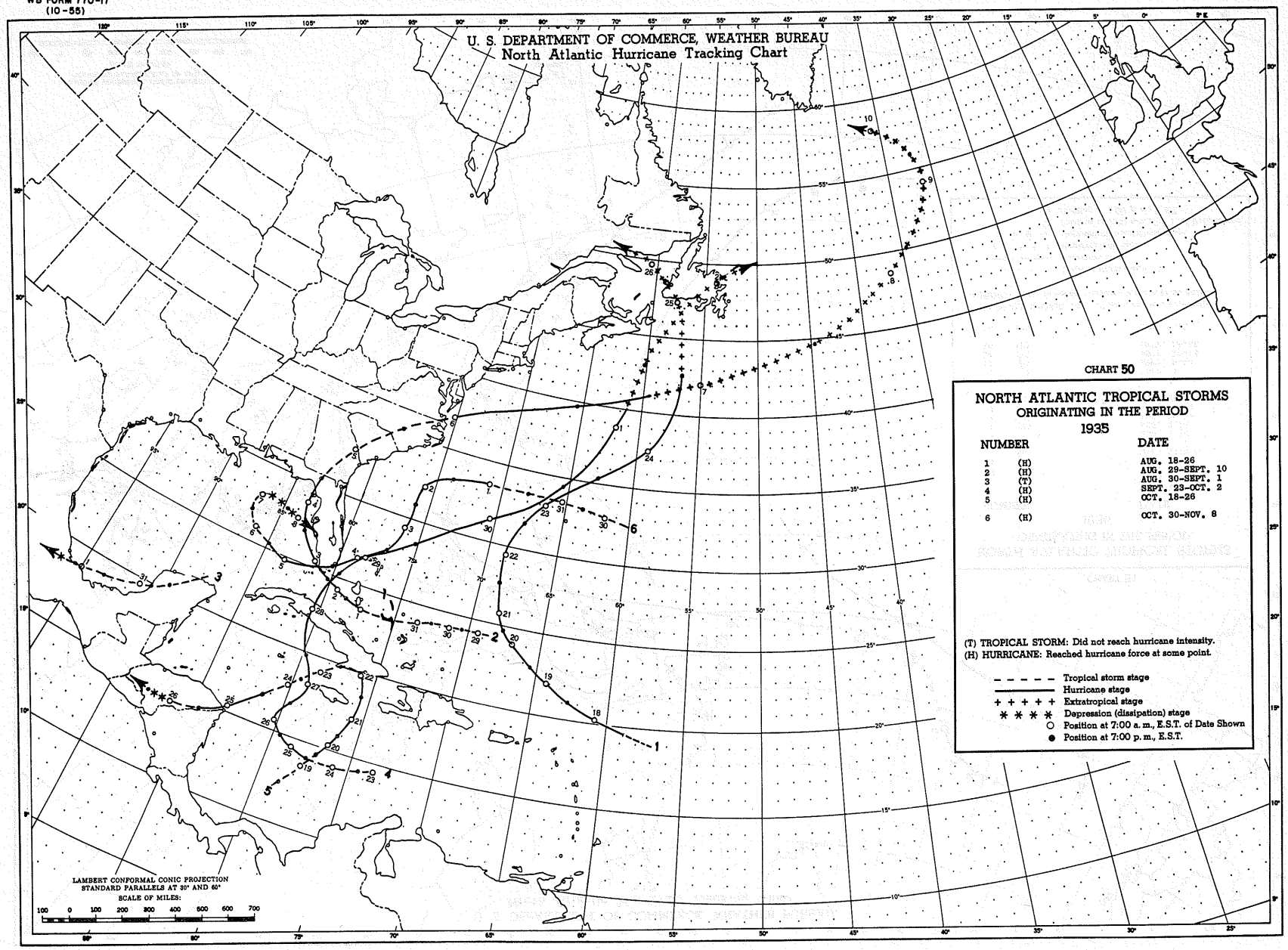



CHART 50

## NORTH ATLANTIC TROPICAL STORMS ORIGINATING IN THE PERIOD 1935

| NUMBER | | DATE |
|---|---|---|
| 1 | (H) | AUG. 18-26 |
| 2 | (H) | AUG. 29-SEPT. 10 |
| 3 | (T) | AUG. 30-SEPT. 1 |
| 4 | (H) | SEPT. 23-OCT. 2 |
| 5 | (H) | OCT. 18-26 |
| 6 | (H) | OCT. 30-NOV. 8 |

(T) TROPICAL STORM: Did not reach hurricane intensity.
(H) HURRICANE: Reached hurricane force at some point.

- - - - - Tropical storm stage
——— Hurricane stage
+ + + + + Extratropical stage
* * * * Depression (dissipation) stage
○ Position at 7:00 a. m., E.S.T. of Date Shown
● Position at 7:00 p. m., E.S.T.

WB FORM 770-17
(10-55)

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU
North Atlantic Hurricane Tracking Chart

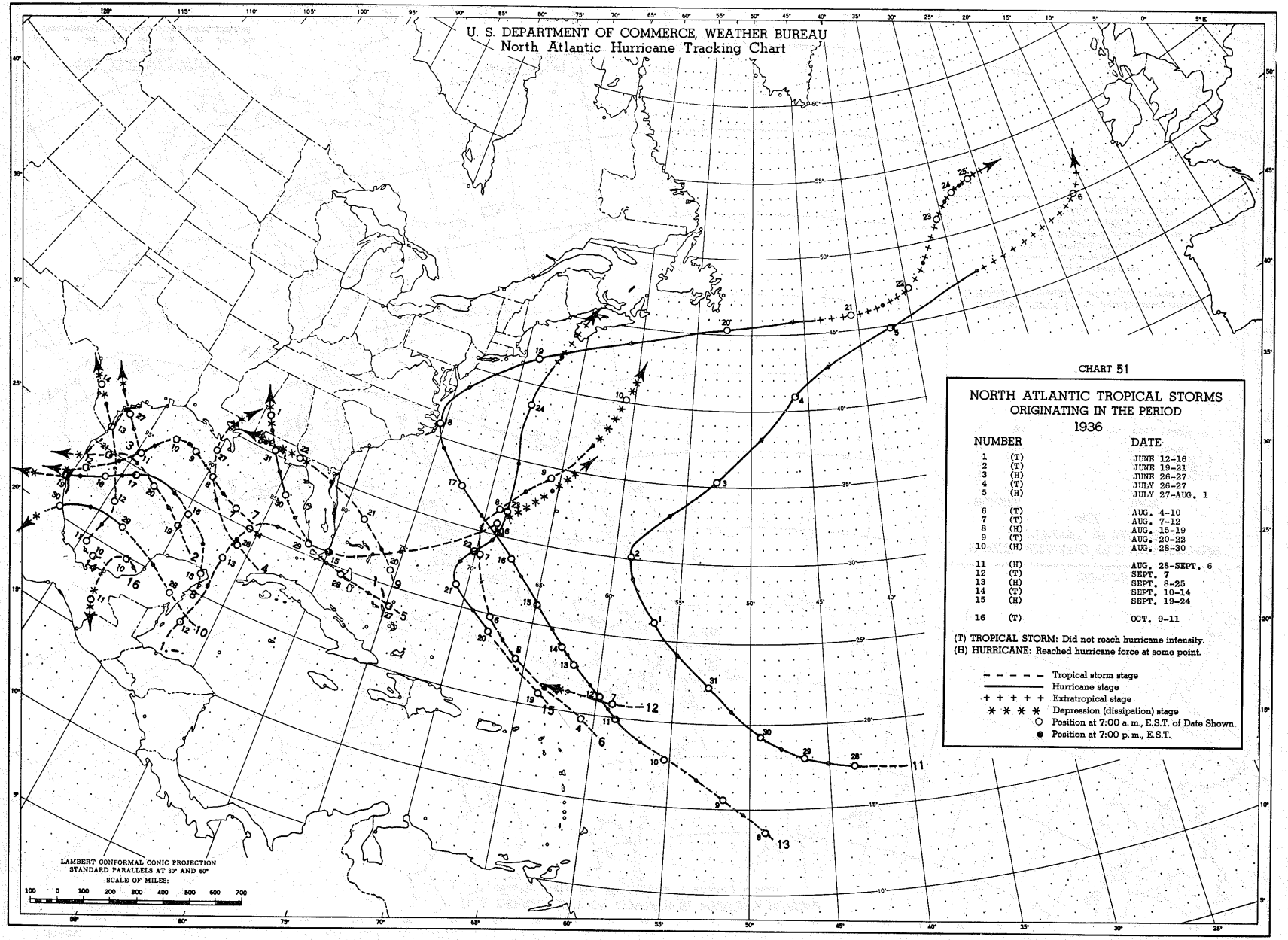


CHART 51

## NORTH ATLANTIC TROPICAL STORMS
ORIGINATING IN THE PERIOD
1936

| NUMBER | | DATE |
|---|---|---|
| 1 | (T) | JUNE 12-16 |
| 2 | (T) | JUNE 19-21 |
| 3 | (H) | JUNE 26-27 |
| 4 | (T) | JULY 26-27 |
| 5 | (H) | JULY 27-AUG. 1 |
| 6 | (T) | AUG. 4-10 |
| 7 | (T) | AUG. 7-12 |
| 8 | (H) | AUG. 15-19 |
| 9 | (T) | AUG. 20-22 |
| 10 | (H) | AUG. 28-30 |
| 11 | (H) | AUG. 28-SEPT. 6 |
| 12 | (T) | SEPT. 7 |
| 13 | (H) | SEPT. 8-25 |
| 14 | (T) | SEPT. 10-14 |
| 15 | (H) | SEPT. 19-24 |
| 16 | (T) | OCT. 9-11 |

(T) TROPICAL STORM: Did not reach hurricane intensity.
(H) HURRICANE: Reached hurricane force at some point.

- Tropical storm stage
- Hurricane stage
- Extratropical stage
- Depression (dissipation) stage
- Position at 7:00 a. m., E.S.T. of Date Shown
- Position at 7:00 p. m., E.S.T.

LAMBERT CONFORMAL CONIC PROJECTION
STANDARD PARALLELS AT 30° AND 60°
SCALE OF MILES:
100 0 100 200 300 400 500 600 700

WB FORM 770-17
(10-55)

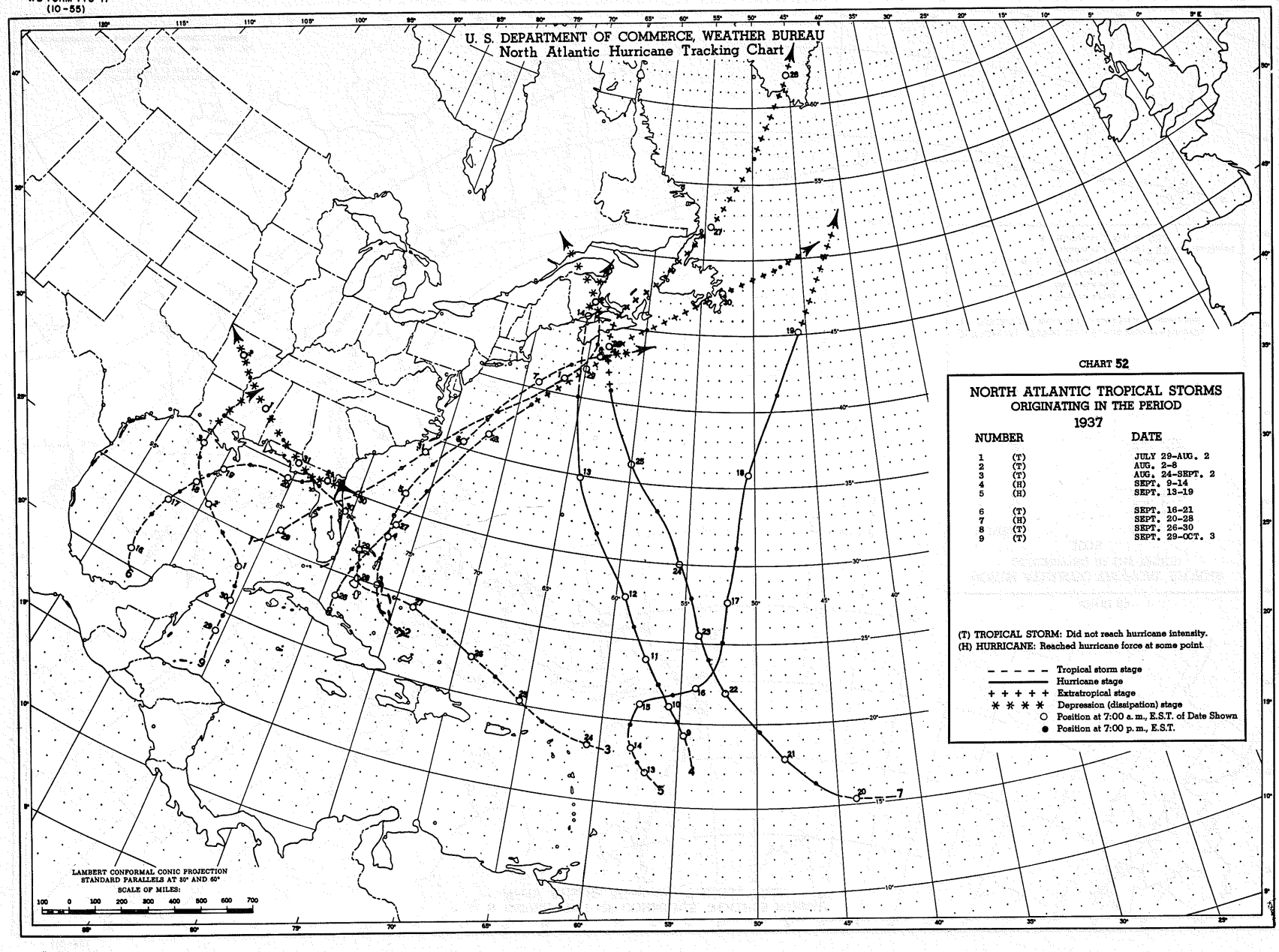



CHART 52

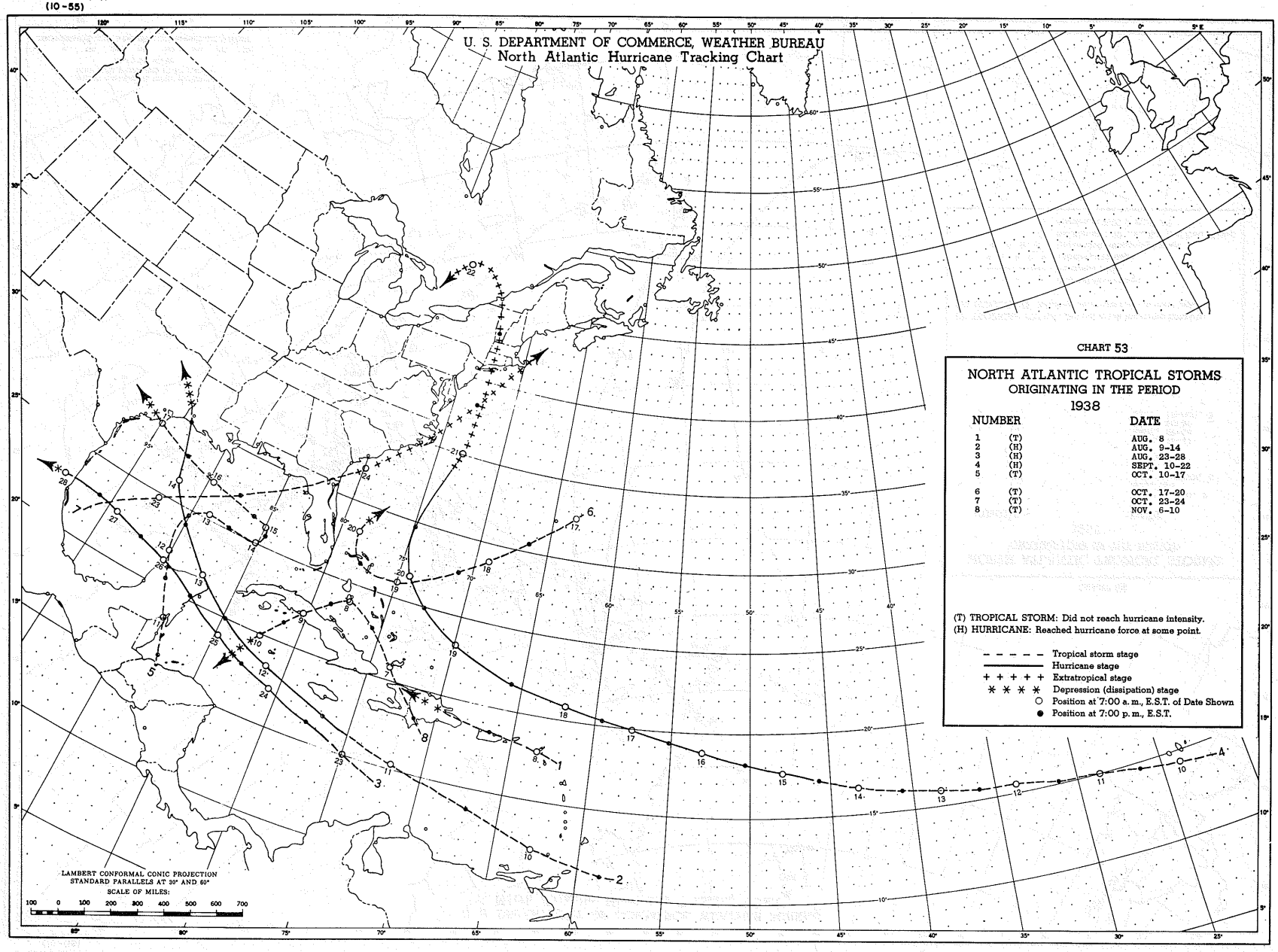
## NORTH ATLANTIC TROPICAL STORMS ORIGINATING IN THE PERIOD 1937

| NUMBER | | DATE |
|---|---|---|
| 1 | (T) | JULY 29-AUG. 2 |
| 2 | (T) | AUG. 2-8 |
| 3 | (T) | AUG. 24-SEPT. 2 |
| 4 | (H) | SEPT. 9-14 |
| 5 | (H) | SEPT. 13-19 |
| 6 | (T) | SEPT. 16-21 |
| 7 | (H) | SEPT. 20-28 |
| 8 | (T) | SEPT. 26-30 |
| 9 | (T) | SEPT. 29-OCT. 3 |

(T) TROPICAL STORM: Did not reach hurricane intensity.
(H) HURRICANE: Reached hurricane force at some point.

- - - - - Tropical storm stage
——— Hurricane stage
+ + + + + Extratropical stage
* * * * Depression (dissipation) stage
○ Position at 7:00 a. m., E.S.T. of Date Shown
● Position at 7:00 p. m., E.S.T.

WB FORM 770-17
(10-55)



WB FORM 770-17
(10-55)

# U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU
## North Atlantic Hurricane Tracking Chart

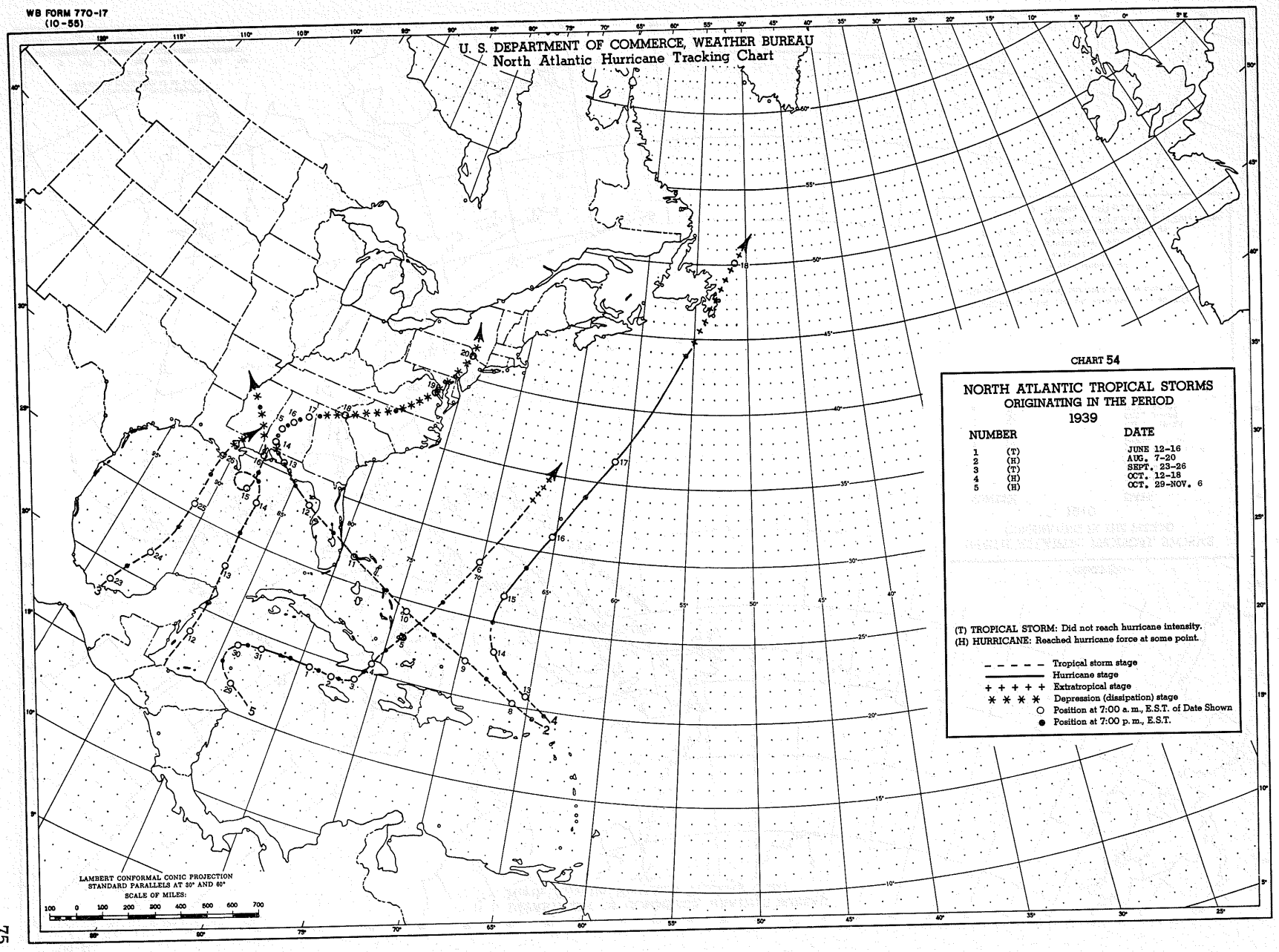



CHART 54

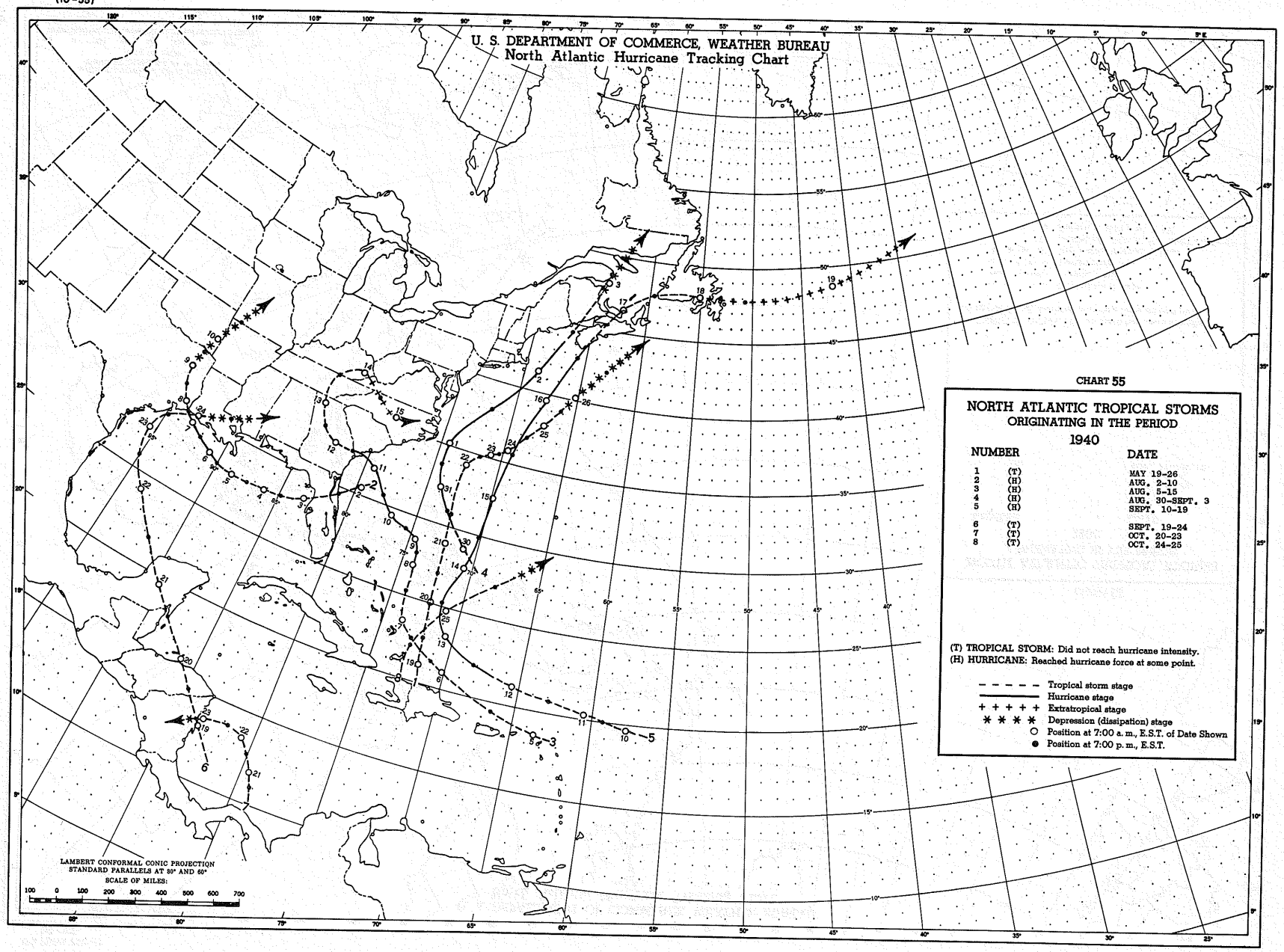
### NORTH ATLANTIC TROPICAL STORMS ORIGINATING IN THE PERIOD 1939

| NUMBER | | DATE |
|---|---|---|
| 1 | (T) | JUNE 12-16 |
| 2 | (H) | AUG. 7-20 |
| 3 | (T) | SEPT. 23-26 |
| 4 | (H) | OCT. 12-18 |
| 5 | (H) | OCT. 29-NOV. 6 |

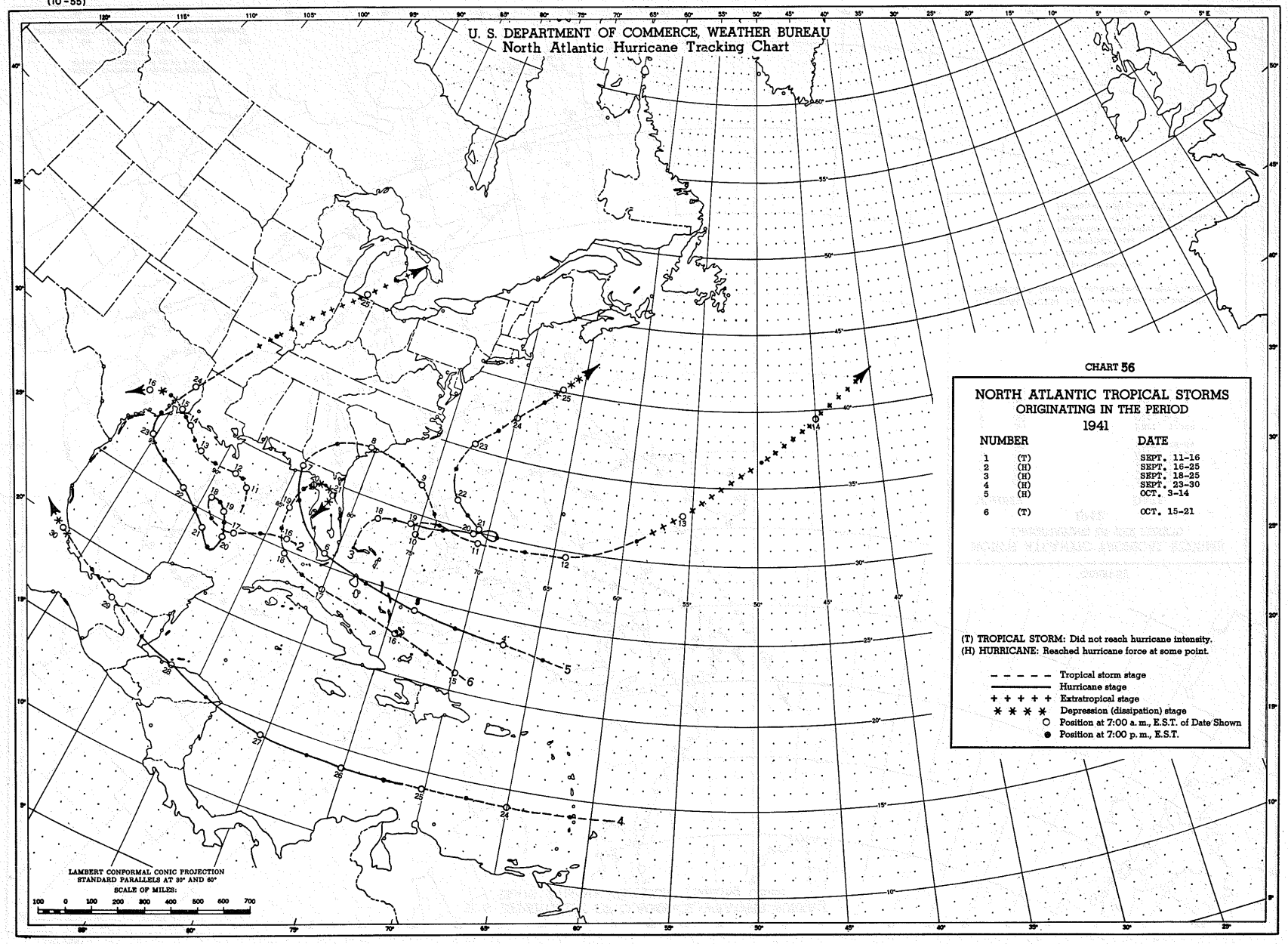
(T) TROPICAL STORM: Did not reach hurricane intensity.
(H) HURRICANE: Reached hurricane force at some point.

- – – – – Tropical storm stage
- ——— Hurricane stage
- + + + + + Extratropical stage
- * * * * Depression (dissipation) stage
- ○ Position at 7:00 a. m., E.S.T. of Date Shown
- ● Position at 7:00 p. m., E.S.T.

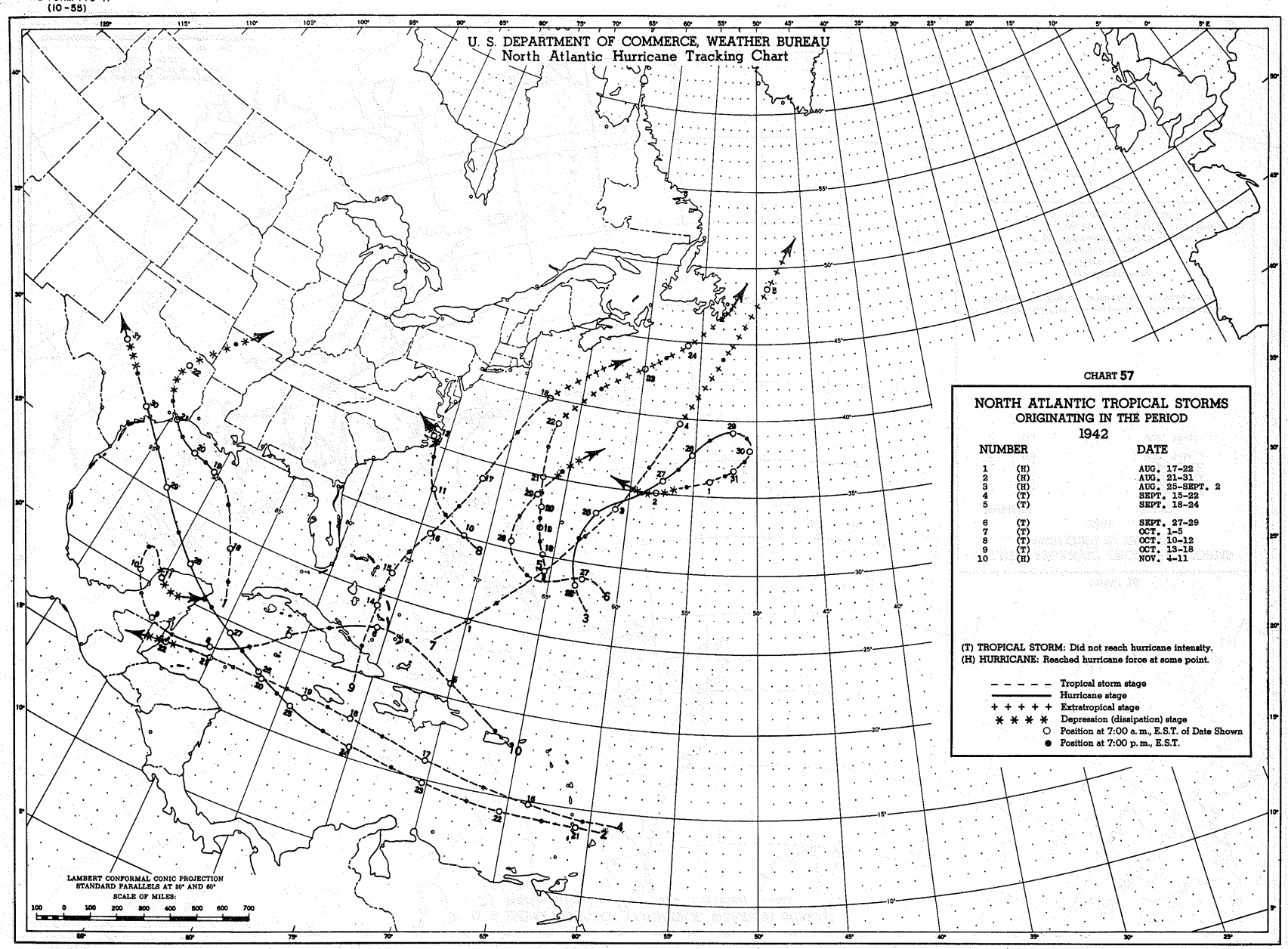
WB FORM 770-17
(10-55)



WB FORM 770-17
(10-55)



WB FORM 770-17
(10-55)



WB FORM 770-17
(10-55)

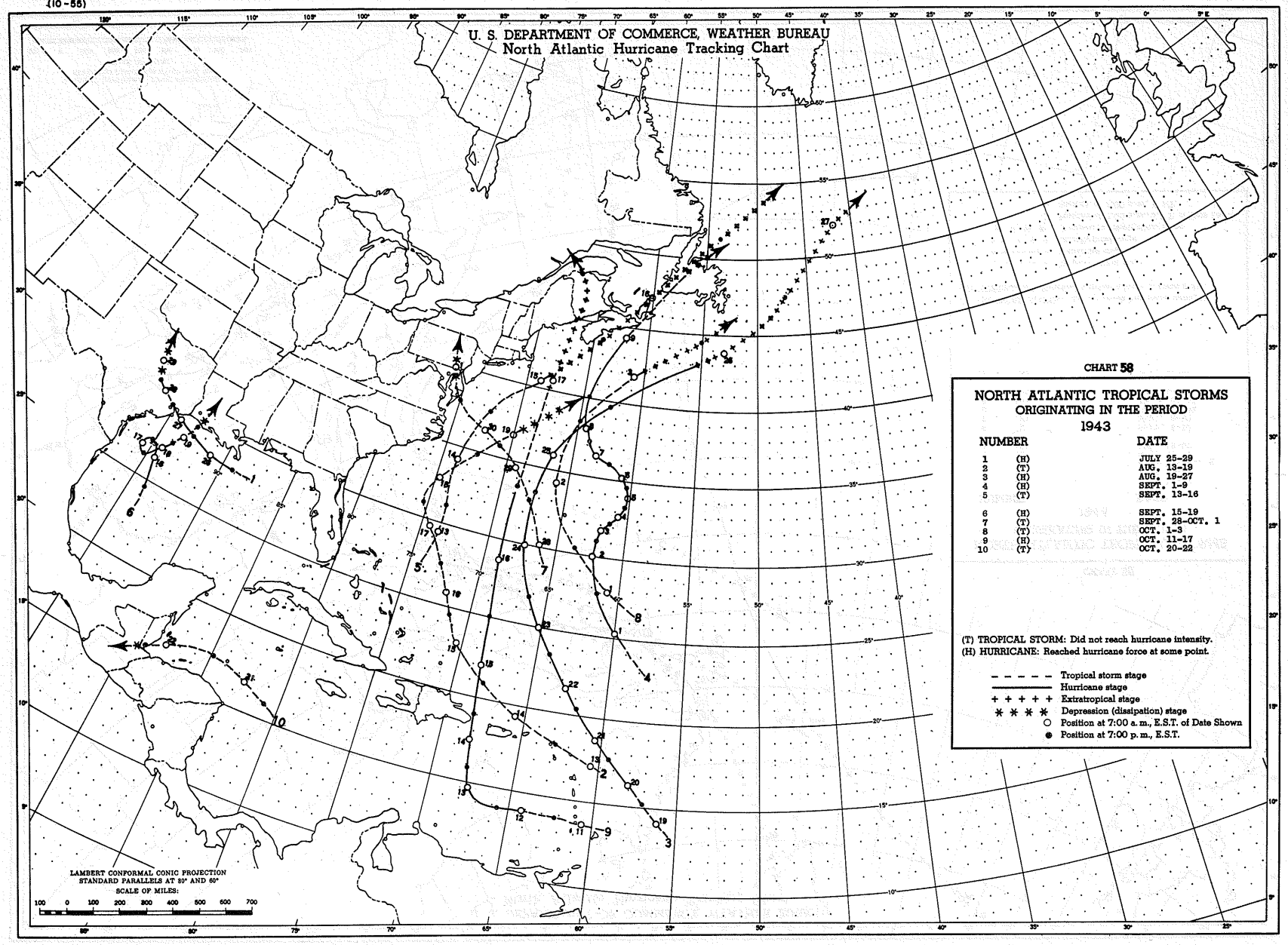



CHART 58

## NORTH ATLANTIC TROPICAL STORMS
### ORIGINATING IN THE PERIOD
### 1943

| NUMBER | | DATE |
|---|---|---|
| 1 | (H) | JULY 25-29 |
| 2 | (T) | AUG. 13-19 |
| 3 | (H) | AUG. 19-27 |
| 4 | (H) | SEPT. 1-9 |
| 5 | (T) | SEPT. 13-16 |
| 6 | (H) | SEPT. 15-19 |
| 7 | (T) | SEPT. 28-OCT. 1 |
| 8 | (T) | OCT. 1-3 |
| 9 | (H) | OCT. 11-17 |
| 10 | (T) | OCT. 20-22 |

(T) TROPICAL STORM: Did not reach hurricane intensity.
(H) HURRICANE: Reached hurricane force at some point.

- – – – – Tropical storm stage
——— Hurricane stage
+ + + + + Extratropical stage
* * * * Depression (dissipation) stage
○ Position at 7:00 a. m., E.S.T. of Date Shown
● Position at 7:00 p. m., E.S.T.

WB FORM 770-17
(10-55)

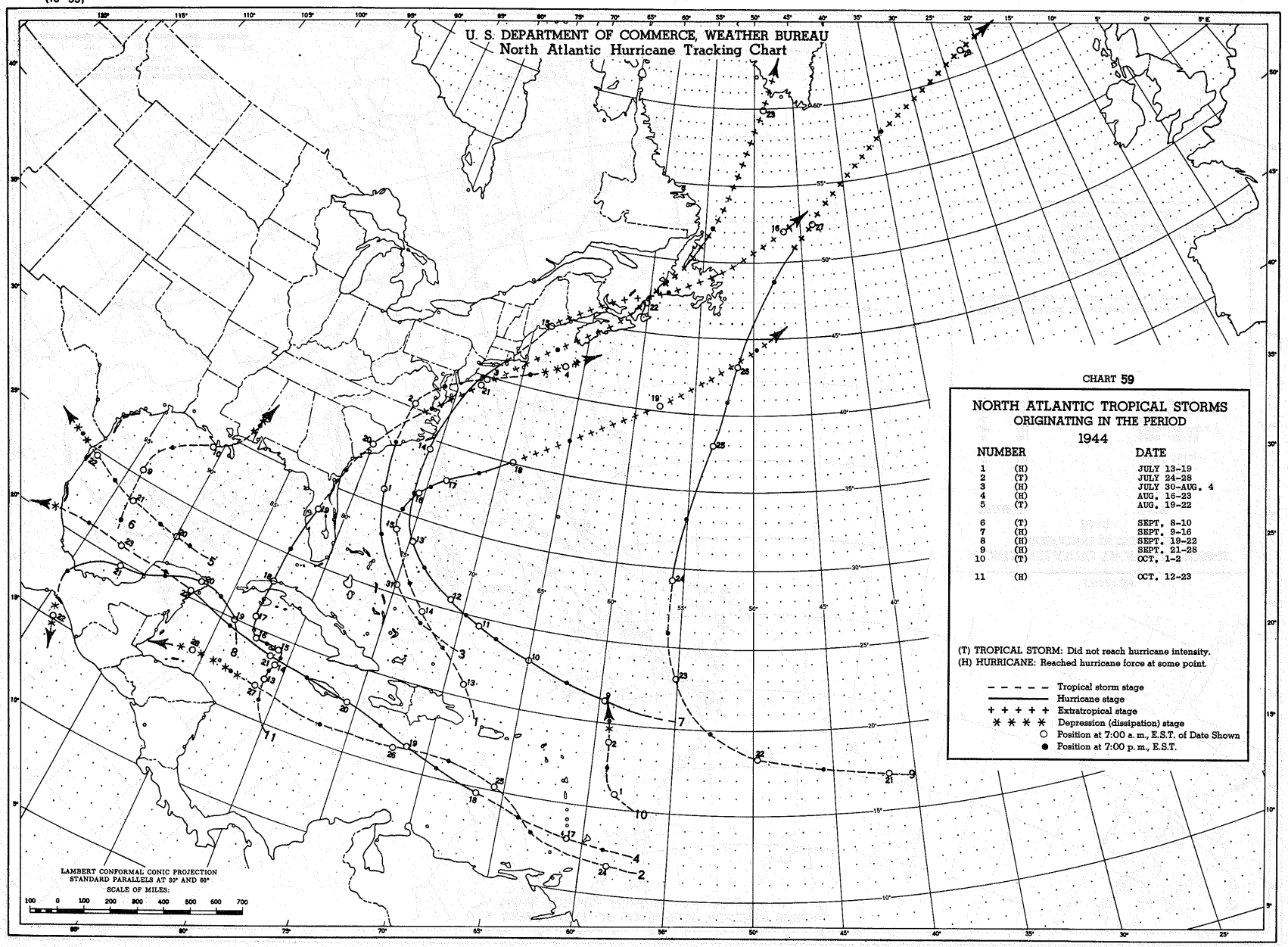



CHART 59

## NORTH ATLANTIC TROPICAL STORMS
### ORIGINATING IN THE PERIOD
### 1944

| NUMBER | | DATE |
|---|---|---|
| 1 | (H) | JULY 13-19 |
| 2 | (T) | JULY 24-28 |
| 3 | (H) | JULY 30-AUG. 4 |
| 4 | (H) | AUG. 16-23 |
| 5 | (T) | AUG. 19-22 |
| 6 | (T) | SEPT. 8-10 |
| 7 | (H) | SEPT. 9-16 |
| 8 | (H) | SEPT. 19-22 |
| 9 | (H) | SEPT. 21-28 |
| 10 | (T) | OCT. 1-2 |
| 11 | (H) | OCT. 12-23 |

(T) TROPICAL STORM: Did not reach hurricane intensity.
(H) HURRICANE: Reached hurricane force at some point.

- – – – – Tropical storm stage
——— Hurricane stage
+ + + + + Extratropical stage
* * * * Depression (dissipation) stage
○ Position at 7:00 a. m., E.S.T. of Date Shown
● Position at 7:00 p. m., E.S.T.

WB FORM 770-17
(10-55)

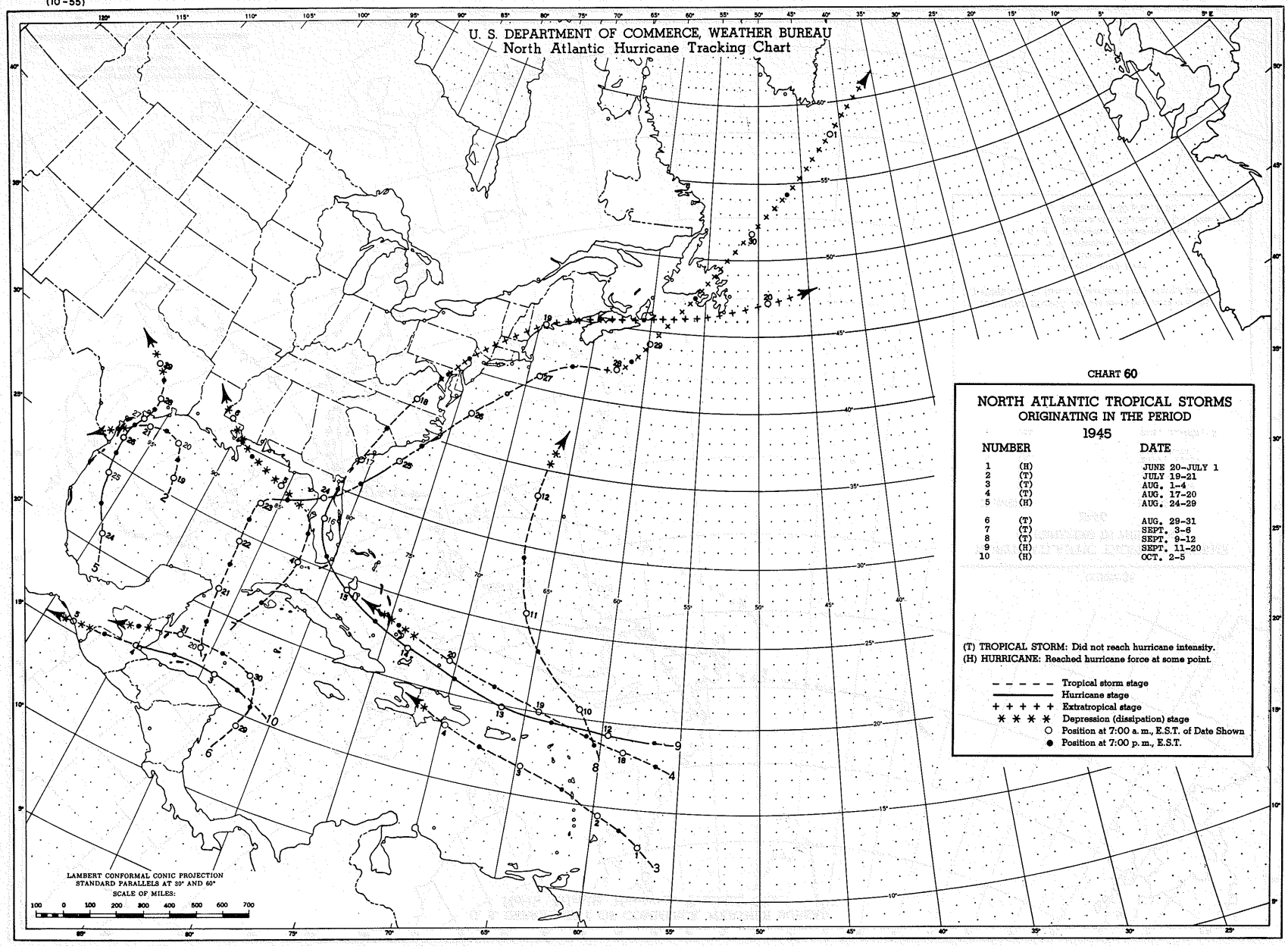



CHART 60

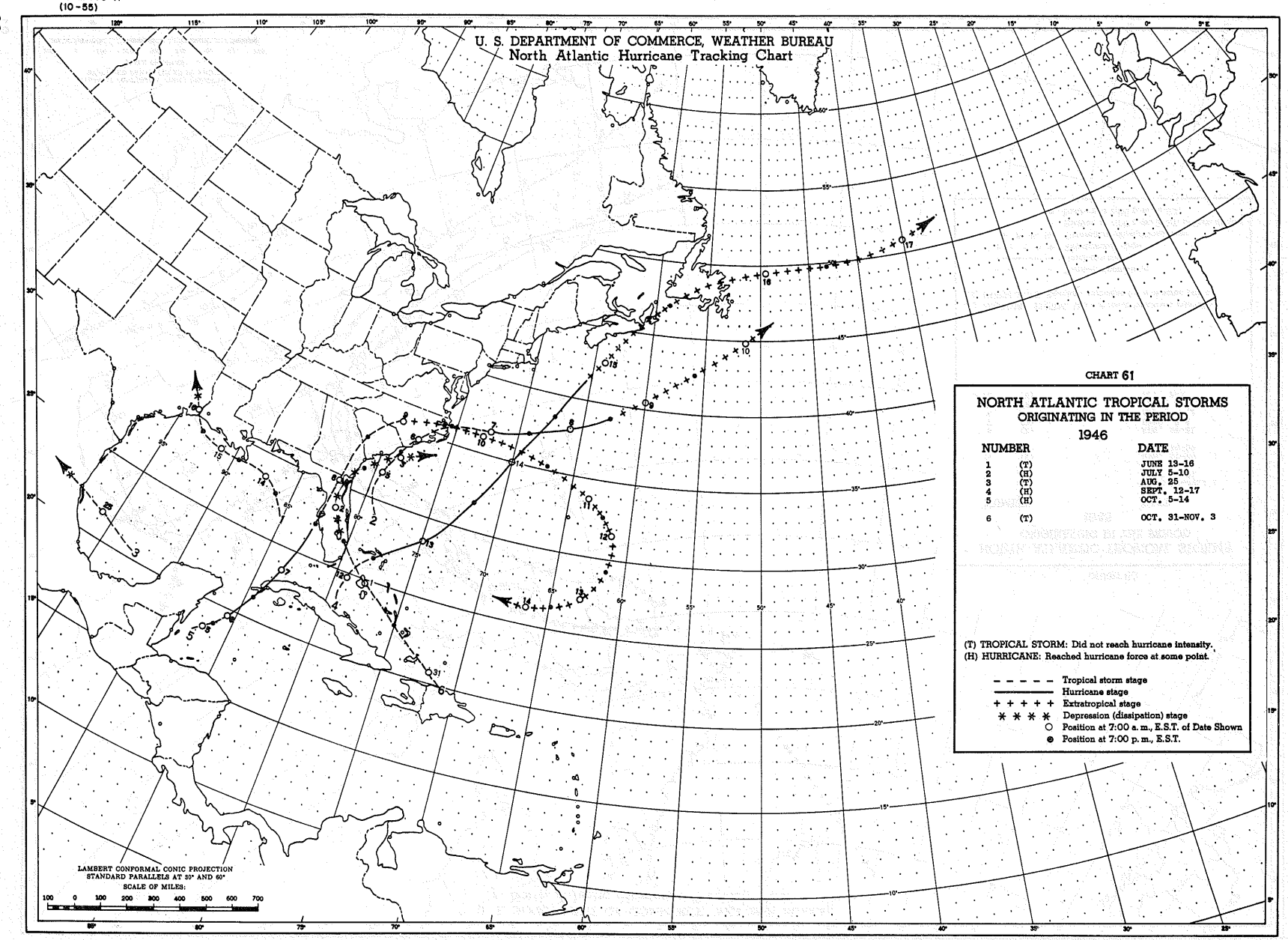
## NORTH ATLANTIC TROPICAL STORMS
### ORIGINATING IN THE PERIOD
### 1945

| NUMBER | | DATE |
|---|---|---|
| 1 | (H) | JUNE 20-JULY 1 |
| 2 | (T) | JULY 19-21 |
| 3 | (T) | AUG. 1-4 |
| 4 | (T) | AUG. 17-20 |
| 5 | (H) | AUG. 24-29 |
| 6 | (T) | AUG. 29-31 |
| 7 | (T) | SEPT. 3-6 |
| 8 | (T) | SEPT. 9-12 |
| 9 | (H) | SEPT. 11-20 |
| 10 | (H) | OCT. 2-5 |

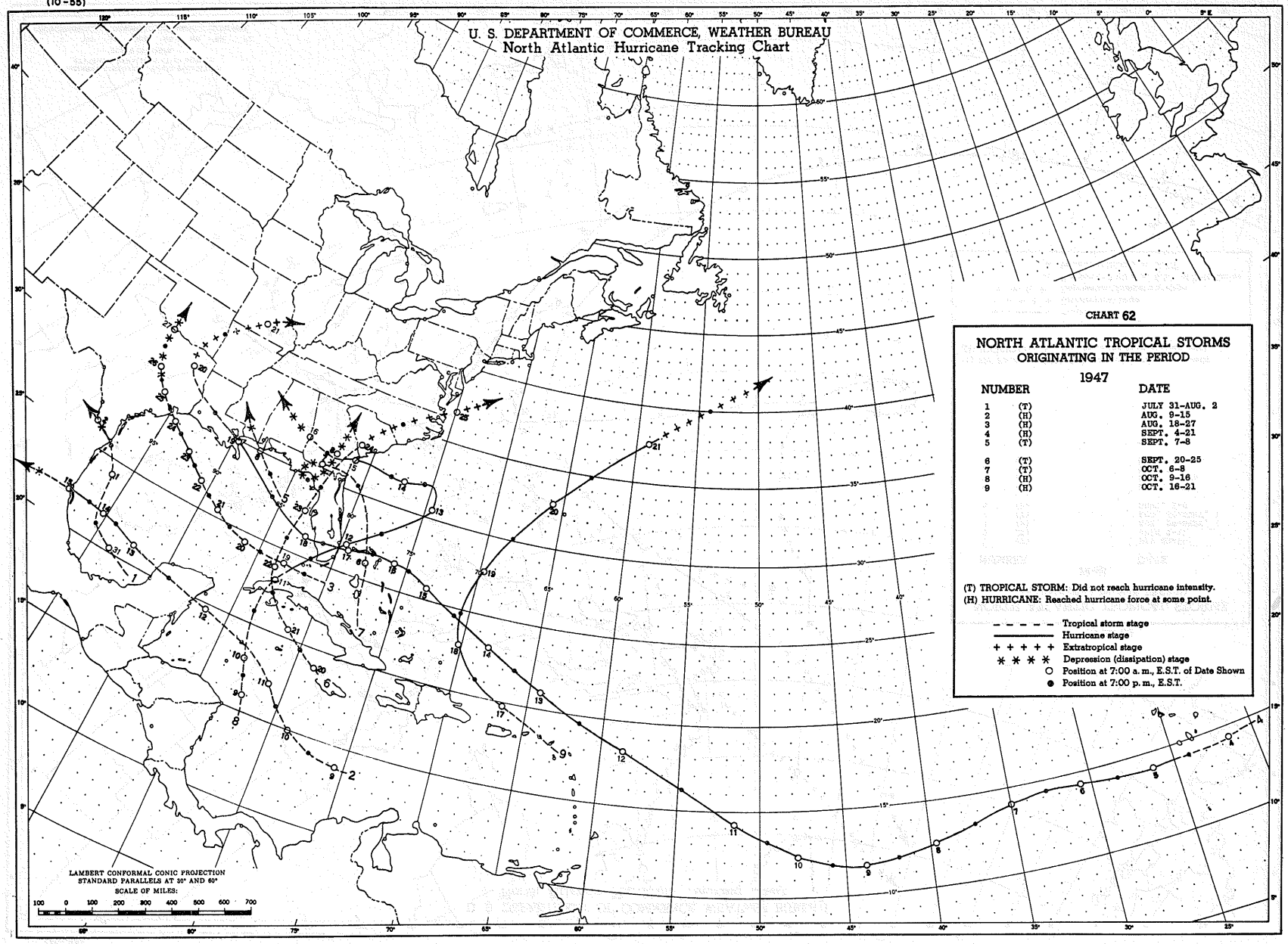
(T) TROPICAL STORM: Did not reach hurricane intensity.
(H) HURRICANE: Reached hurricane force at some point.

- – – – – Tropical storm stage
——— Hurricane stage
+ + + + + Extratropical stage
✱ ✱ ✱ ✱ Depression (dissipation) stage
○ Position at 7:00 a. m., E.S.T. of Date Shown
● Position at 7:00 p. m., E.S.T.

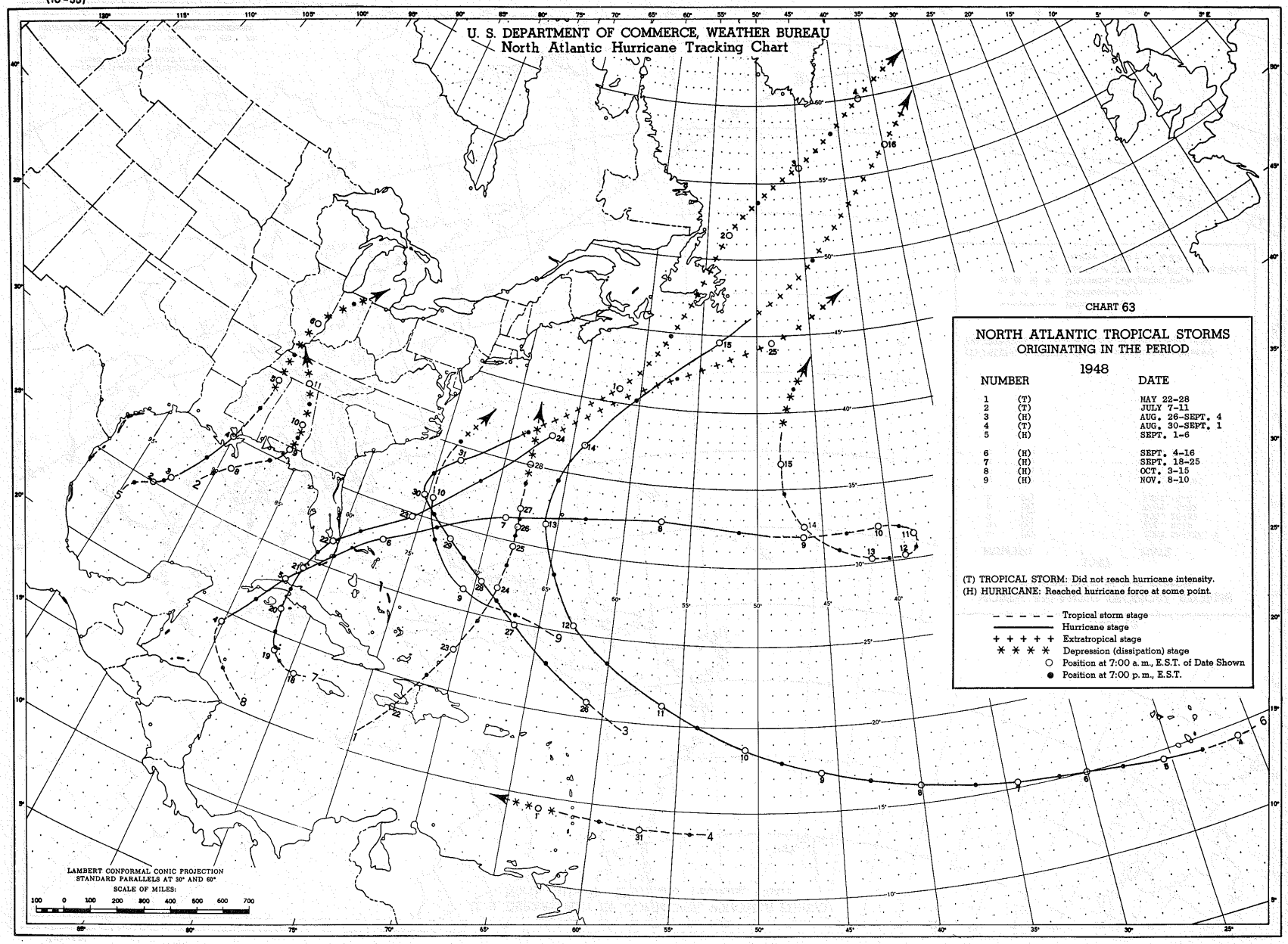
WB FORM 770-17
(10-55)



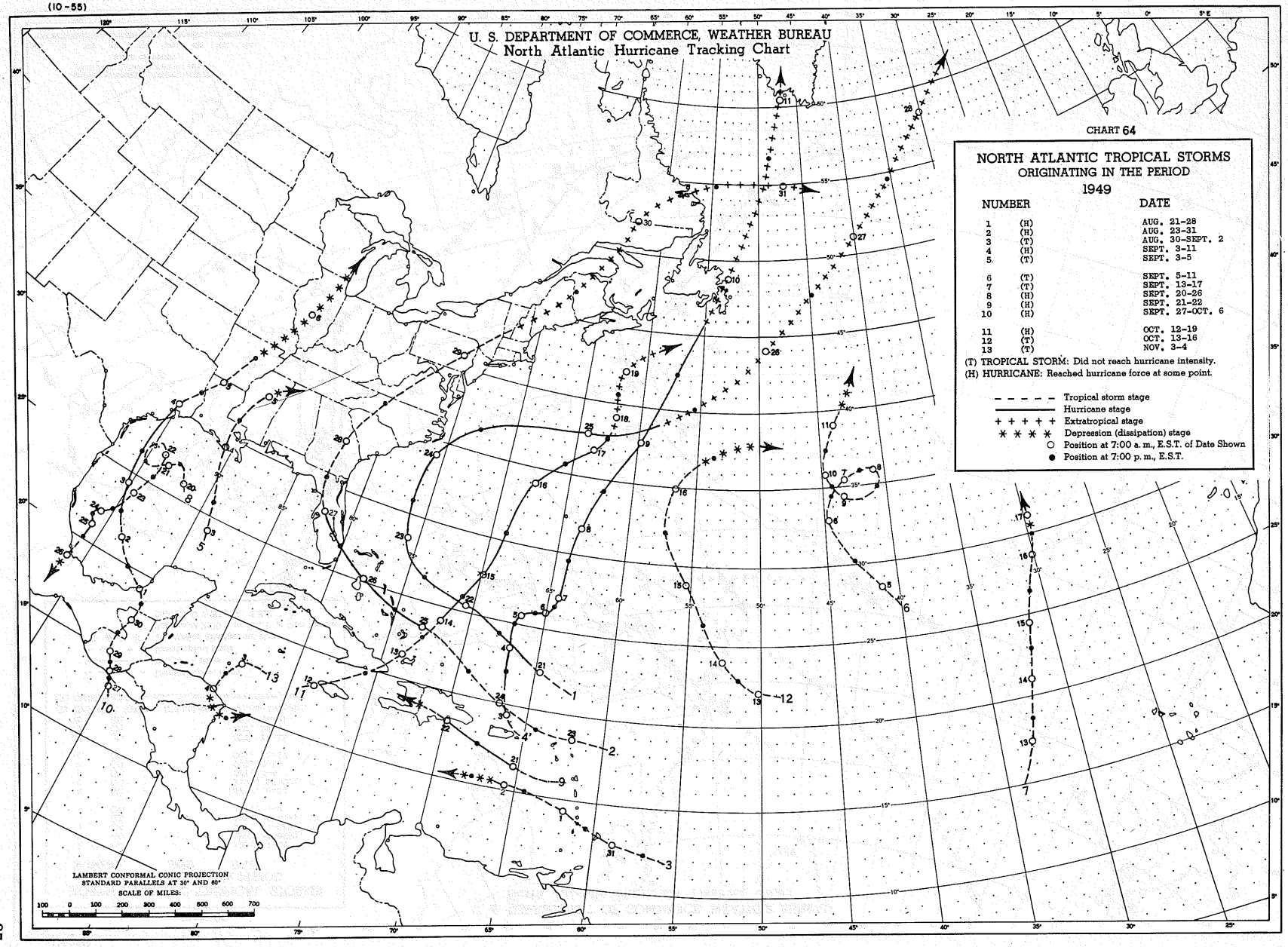
WB FORM 770-17
(10-55)



WB FORM 770-17
(10-55)



WB FORM 770-17
(10-55)



WB FORM 770-17
(10-55)

CHART 65

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU
North Atlantic Hurricane Tracking Chart

## NORTH ATLANTIC TROPICAL STORMS
ORIGINATING IN THE PERIOD

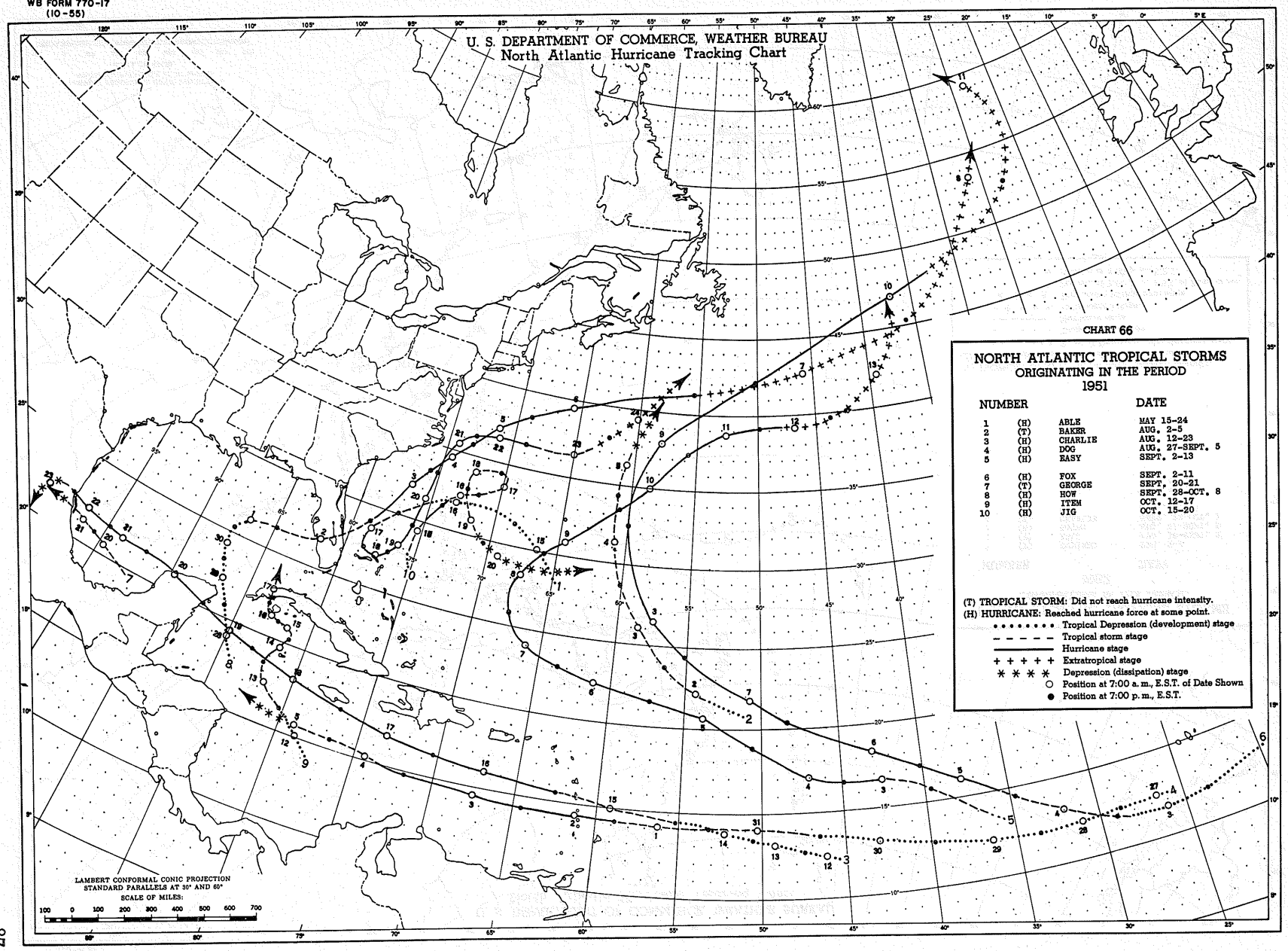
| NUMBER | | 1950 DATE |
|---|---|---|
| 1 | (H) | AUG. 11-22 |
| 2 | (H) | AUG. 20-SEPT. 1 |
| 3 | (H) | AUG. 21-SEPT. 5 |
| 4 | (H) | AUG. 30-SEPT. 17 |
| 5 | (H) | SEPT. 1-9 |
| 6 | (H) | SEPT. 8-16 |
| 7 | (H) | SEPT. 27-OCT. 7 |
| 8 | (T) | OCT. 1-4 |
| 9 | (H) | OCT. 8-10 |
| 10 | (H) | OCT. 11-17 |
| 11 | (H) | OCT. 13-19 |
| 12 | (T) | OCT. 17-24 |
| 13 | (H) | OCT. 18-21 |

(T) TROPICAL STORM: Did not reach hurricane intensity.
(H) HURRICANE: Reached hurricane force at some point.

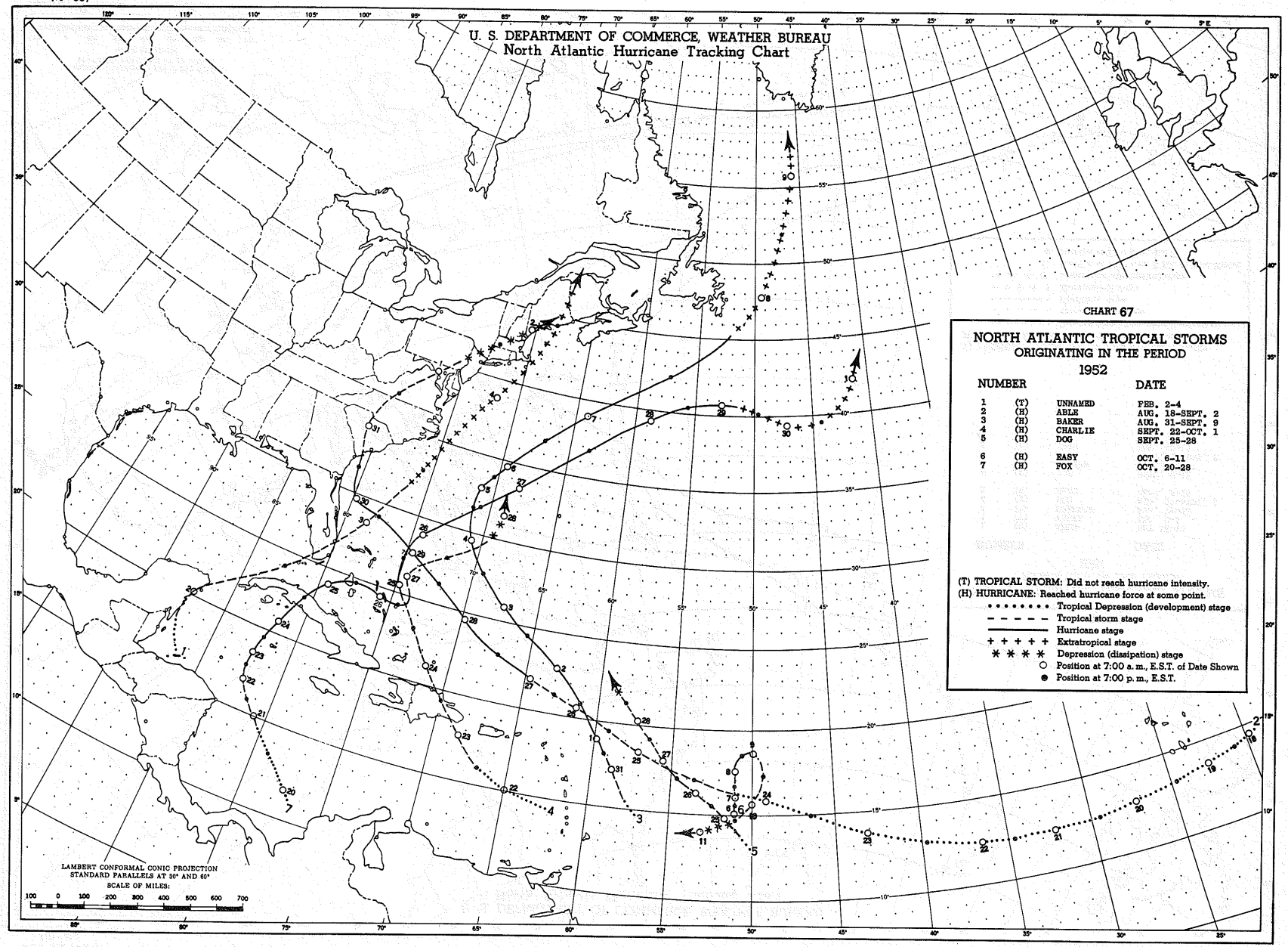
- – – – – Tropical storm stage
——— Hurricane stage
+ + + + + Extratropical stage
✱ ✱ ✱ ✱ Depression (dissipation) stage
○ Position at 7:00 a. m., E.S.T. of Date Shown
● Position at 7:00 p. m., E.S.T.

LAMBERT CONFORMAL CONIC PROJECTION
STANDARD PARALLELS AT 30° AND 60°
SCALE OF MILES:
100 0 100 200 300 400 500 600 700

WB FORM 770-17
(10-55)



WB FORM 770-17
(10-55)



WB FORM 770-17
(10-55)

CHART 68

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU
North Atlantic Hurricane Tracking Chart

## NORTH ATLANTIC TROPICAL STORMS
### ORIGINATING IN THE PERIOD

| NUMBER | | 1953 | DATE |
|---|---|---|---|
| 1 | (T) | ALICE | MAY 25-JUNE 6 |
| 2 | (H) | BARBARA | AUG. 11-16 |
| 3 | (T) | UNNAMED | AUG. 28-SEPT. 2 |
| 4 | (H) | CAROL | AUG. 28-SEPT. 9 |
| 5 | (H) | DOLLY | SEPT. 8-17 |
| 6 | (H) | EDNA | SEPT. 14-20 |
| 7 | (T) | UNNAMED | SEPT. 14-20 |
| 8 | (H) | FLORENCE | SEPT. 23-28 |
| 9 | (H) | GAIL | OCT. 2-5 |
| 10 | (T) | UNNAMED | OCT. 3-10 |
| 11 | (T) | UNNAMED | OCT. 5-8 |
| 12 | (T) | HAZEL | OCT. 7-12 |
| 13 | (T) | UNNAMED | NOV. 23-26 |
| 14 | (T) | UNNAMED | DEC. 7-9 |

(T) TROPICAL STORM: Did not reach hurricane intensity.
(H) HURRICANE: Reached hurricane force at some point.

- Tropical Depression (development) stage
- Tropical storm stage
- Hurricane stage
- Extratropical stage
- Depression (dissipation) stage
- Position at 7:00 a. m., E.S.T. of Date Shown
- Position at 7:00 p. m., E.S.T.

LAMBERT CONFORMAL CONIC PROJECTION
STANDARD PARALLELS AT 30° AND 60°
SCALE OF MILES:
100 0 100 200 300 400 500 600 700

WB FORM 770-17
(10-55)

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU
North Atlantic Hurricane Tracking Chart

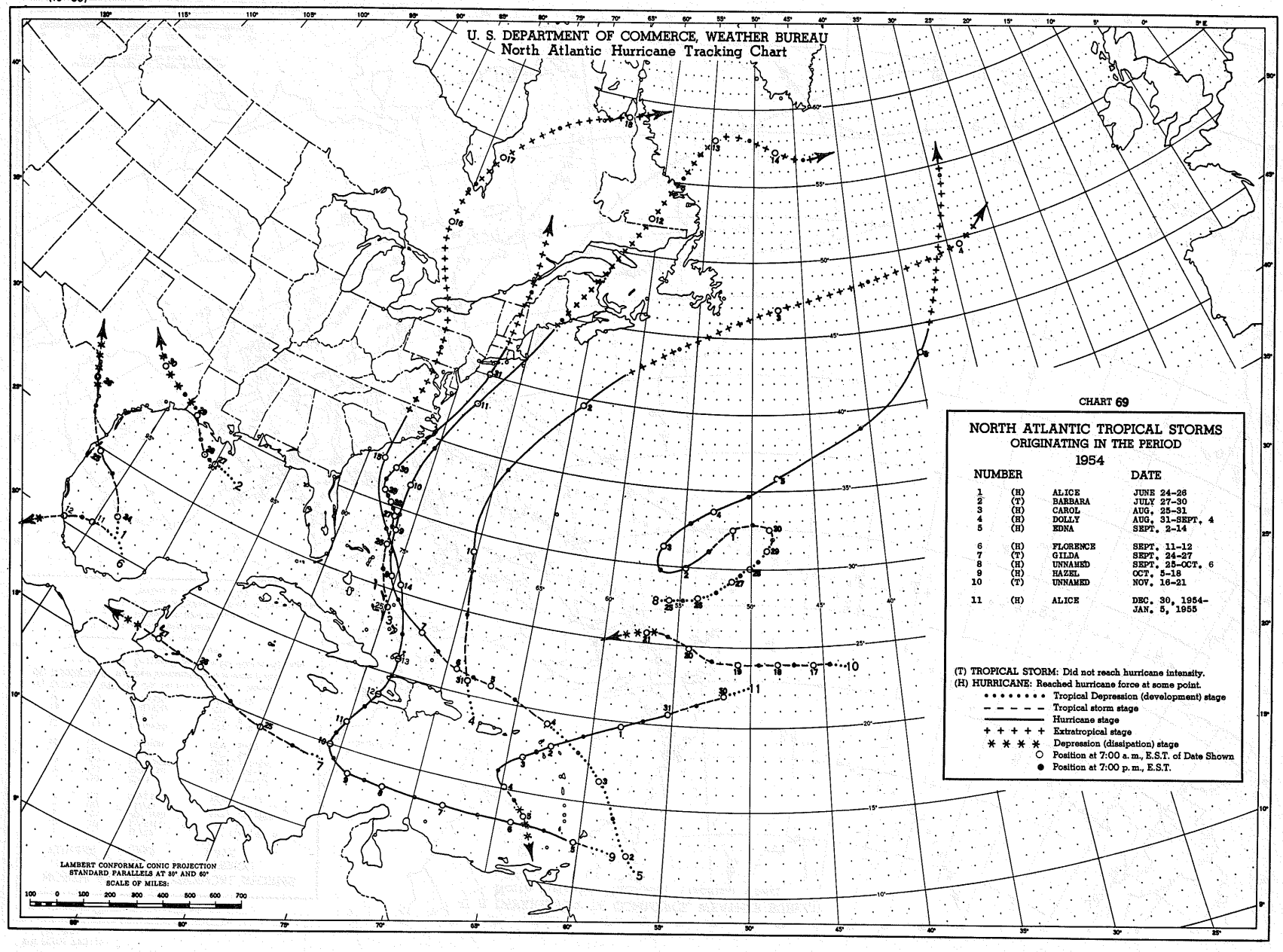


CHART 69

## NORTH ATLANTIC TROPICAL STORMS
### ORIGINATING IN THE PERIOD
### 1954

| NUMBER | | | DATE |
|---|---|---|---|
| 1 | (H) | ALICE | JUNE 24-26 |
| 2 | (T) | BARBARA | JULY 27-30 |
| 3 | (H) | CAROL | AUG. 25-31 |
| 4 | (H) | DOLLY | AUG. 31-SEPT. 4 |
| 5 | (H) | EDNA | SEPT. 2-14 |
| 6 | (H) | FLORENCE | SEPT. 11-12 |
| 7 | (T) | GILDA | SEPT. 24-27 |
| 8 | (H) | UNNAMED | SEPT. 25-OCT. 6 |
| 9 | (H) | HAZEL | OCT. 5-18 |
| 10 | (T) | UNNAMED | NOV. 16-21 |
| 11 | (H) | ALICE | DEC. 30, 1954-JAN. 5, 1955 |

(T) TROPICAL STORM: Did not reach hurricane intensity.
(H) HURRICANE: Reached hurricane force at some point.

- • • • • • • • Tropical Depression (development) stage
- – – – – Tropical storm stage
- ——— Hurricane stage
- + + + + + Extratropical stage
- * * * * Depression (dissipation) stage
- ○ Position at 7:00 a. m., E.S.T. of Date Shown
- ● Position at 7:00 p. m., E.S.T.

LAMBERT CONFORMAL CONIC PROJECTION
STANDARD PARALLELS AT 30° AND 60°
SCALE OF MILES:
100 0 100 200 300 400 500 600 700

WB FORM 770-17
(10-55)

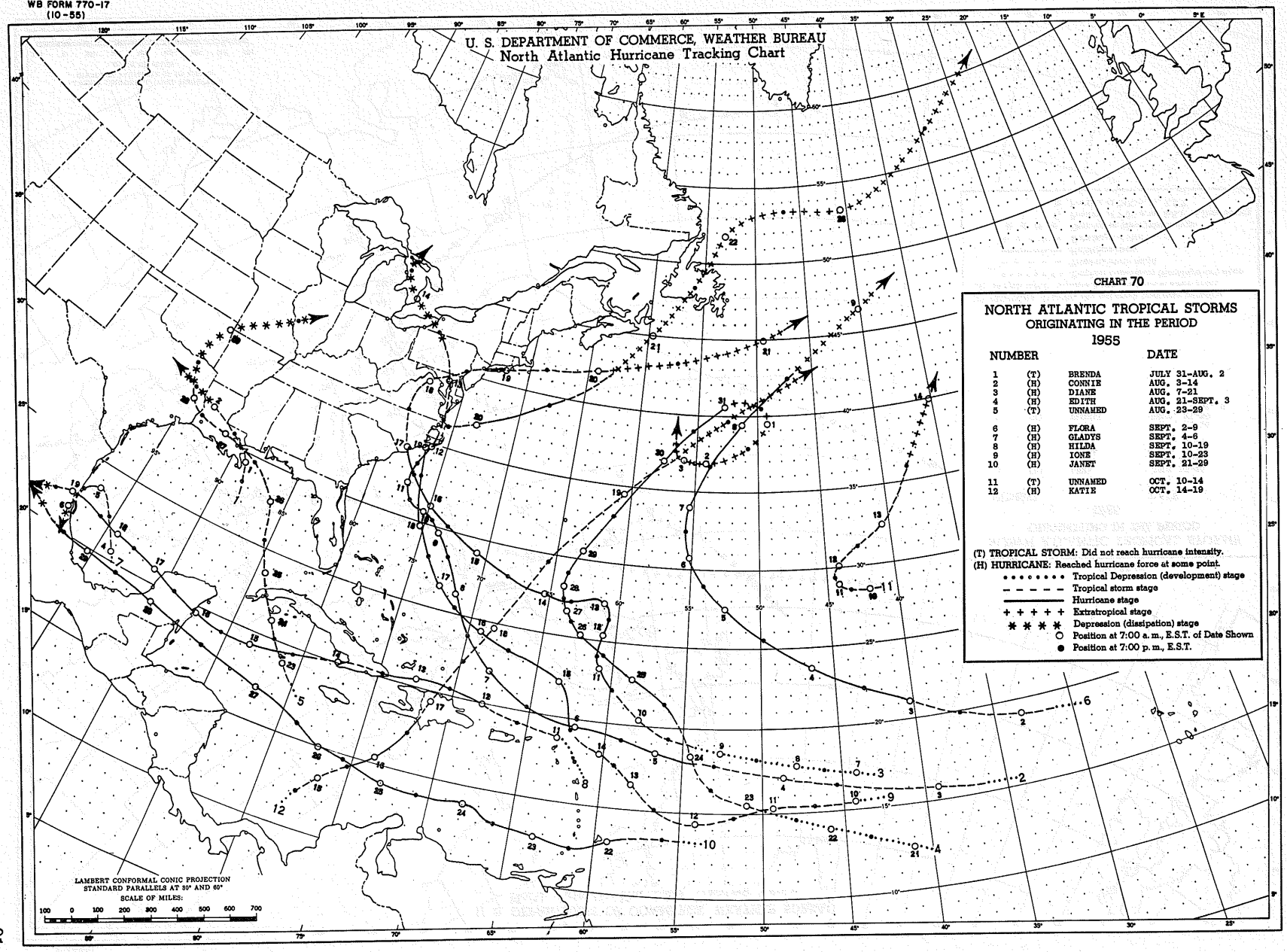



CHART 70

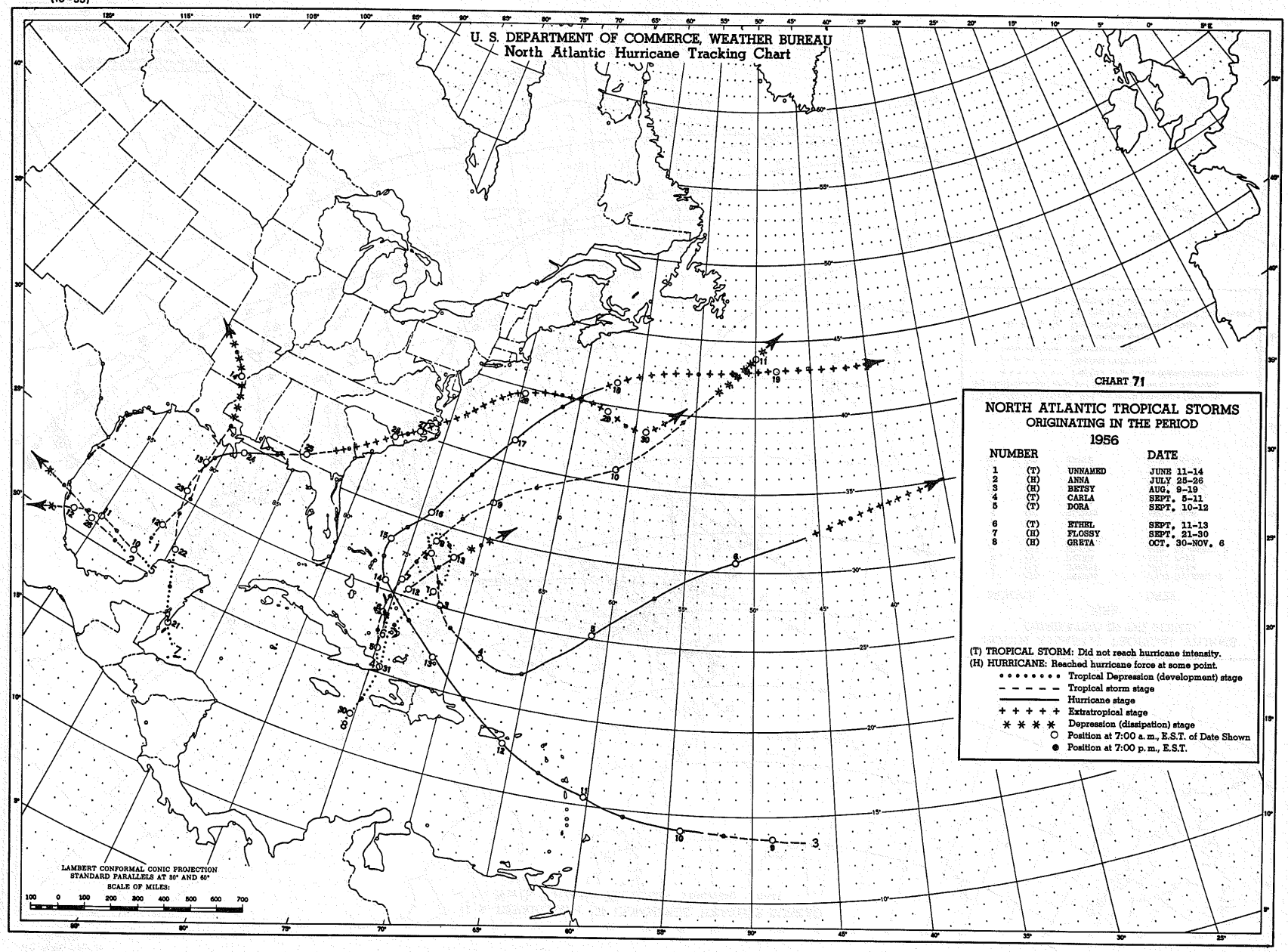
## NORTH ATLANTIC TROPICAL STORMS ORIGINATING IN THE PERIOD 1955

| NUMBER | | | DATE |
|---|---|---|---|
| 1 | (T) | BRENDA | JULY 31-AUG. 2 |
| 2 | (H) | CONNIE | AUG. 3-14 |
| 3 | (H) | DIANE | AUG. 7-21 |
| 4 | (H) | EDITH | AUG. 21-SEPT. 3 |
| 5 | (T) | UNNAMED | AUG. 23-29 |
| 6 | (H) | FLORA | SEPT. 2-9 |
| 7 | (H) | GLADYS | SEPT. 4-6 |
| 8 | (H) | HILDA | SEPT. 10-19 |
| 9 | (H) | IONE | SEPT. 10-23 |
| 10 | (H) | JANET | SEPT. 21-29 |
| 11 | (T) | UNNAMED | OCT. 10-14 |
| 12 | (H) | KATIE | OCT. 14-19 |

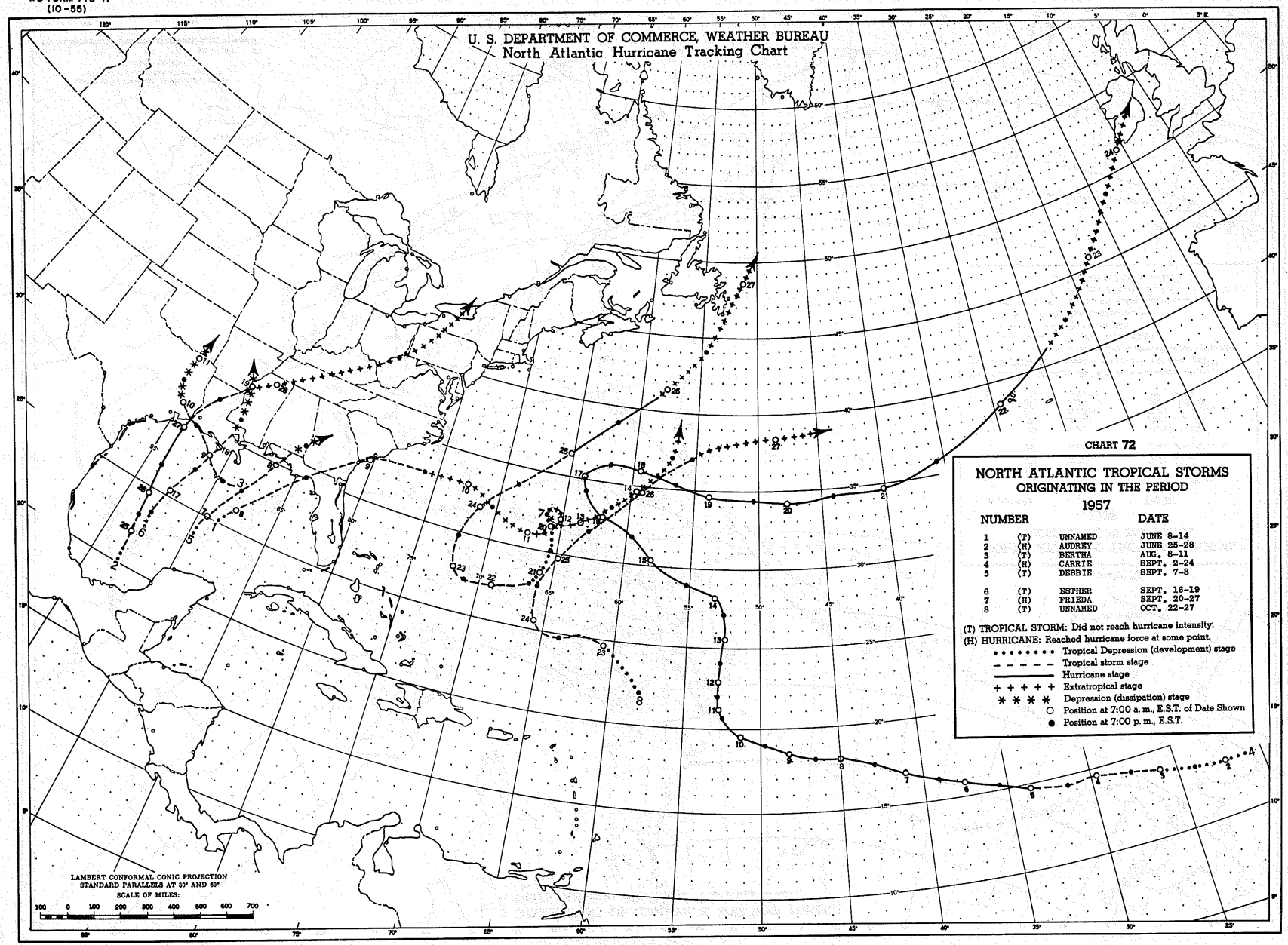
(T) TROPICAL STORM: Did not reach hurricane intensity.
(H) HURRICANE: Reached hurricane force at some point.

- Tropical Depression (development) stage
- Tropical storm stage
- Hurricane stage
- Extratropical stage
- Depression (dissipation) stage
- Position at 7:00 a. m., E.S.T. of Date Shown
- Position at 7:00 p. m., E.S.T.

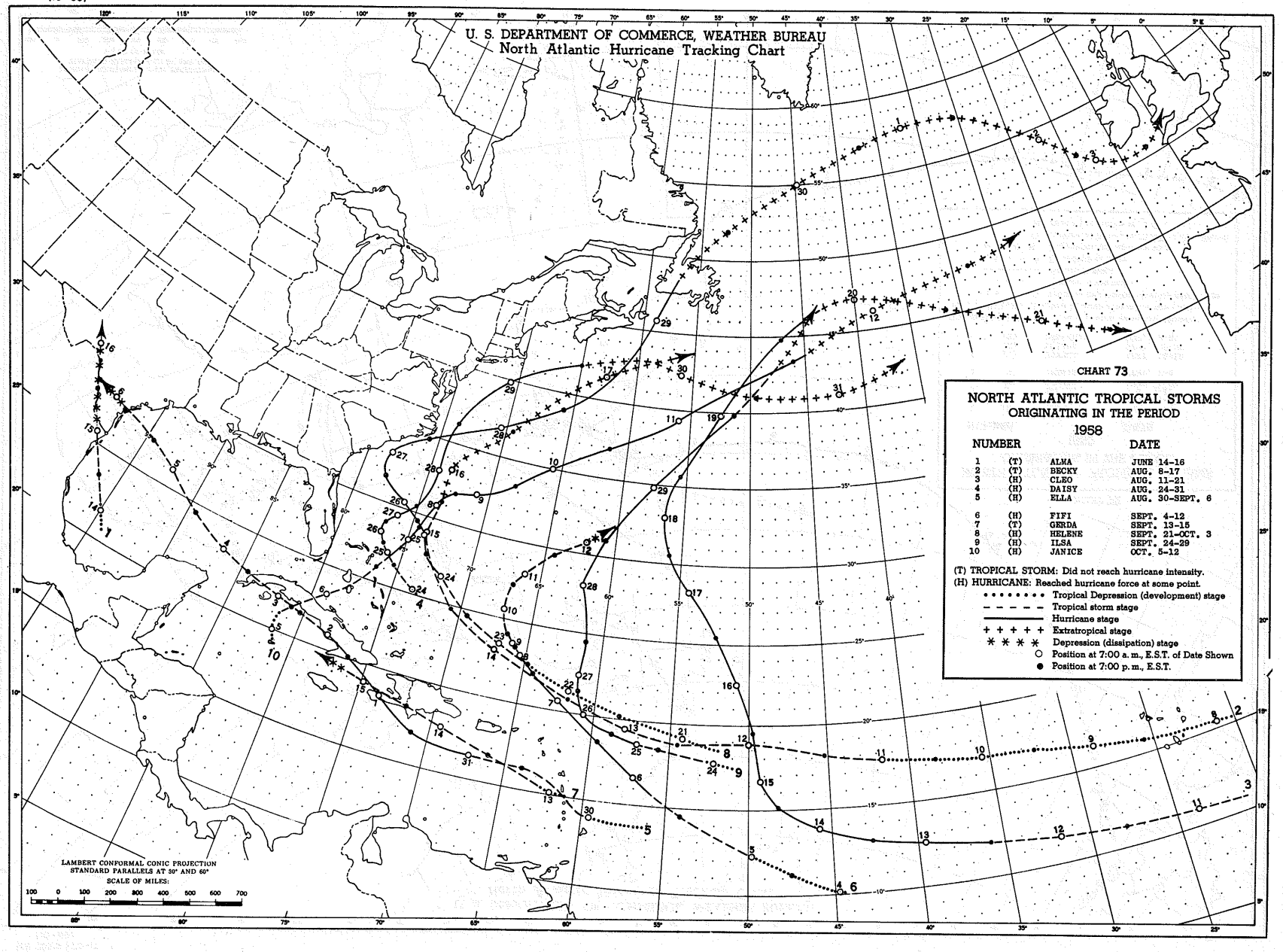
WB FORM 770-17
(10-55)



WB FORM 770-17
(10-55)



WB FORM 770-17
(10-55)



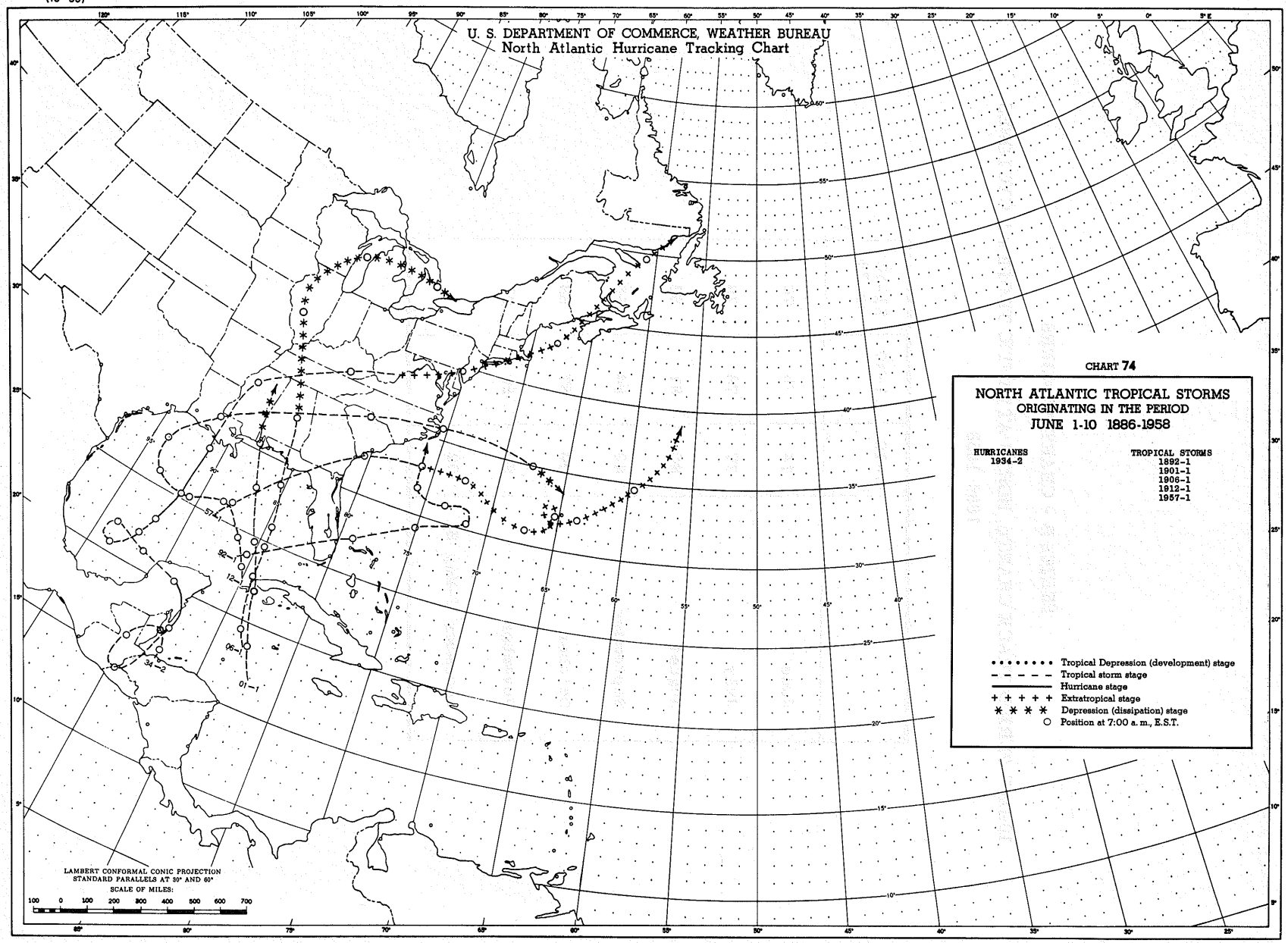
SERIES B - CHART NUMBERS

10-DAY PERIOD TRACK CHARTS, NORTH ATLANTIC TROPICAL CYCLONES

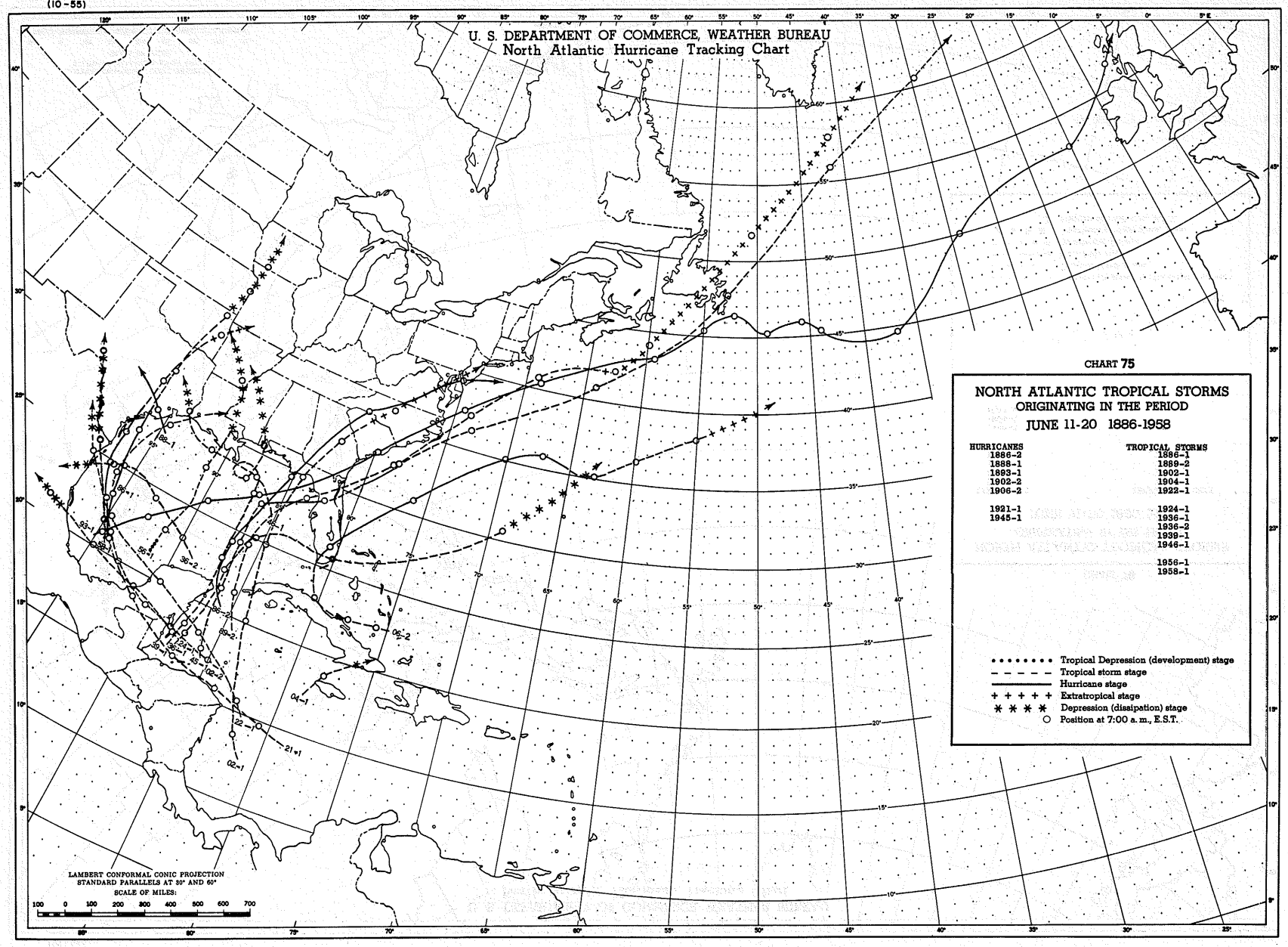
1886-1958

| | 1-10 | 11-20 | 21-30 or 31 |
|---|---|---|---|
| June | 74 | 75 | 76 |
| July | 77 | 78 | 79 |
| August | 80 | 81 | 82 |
| September | 83 | 84 | 85 |
| October | 86 | 87 | 88 |
| November | 89 | 90 | 91 |
| December 1-May 31 | 92 | | |

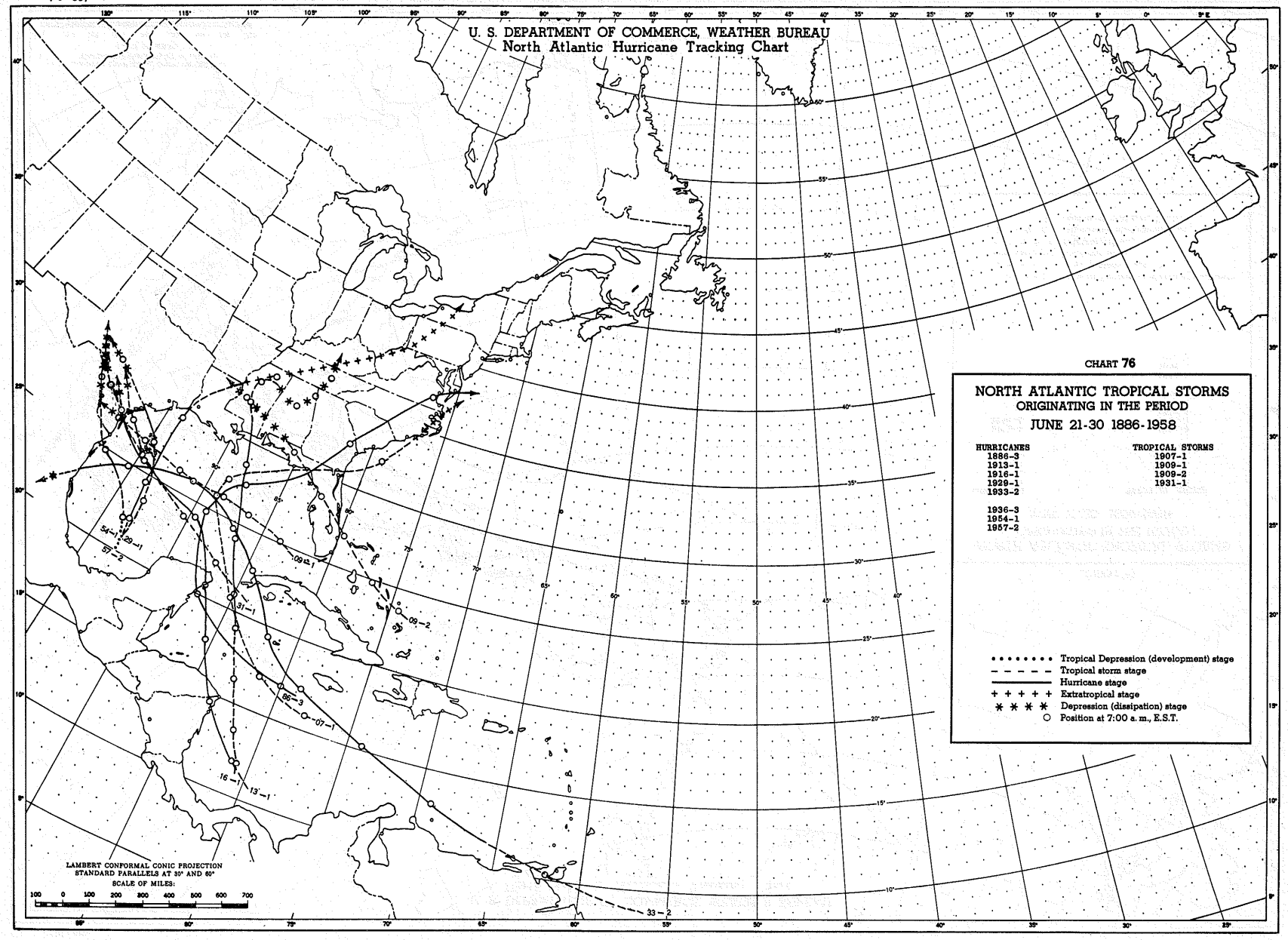
WB FORM 770-17
(10-56)



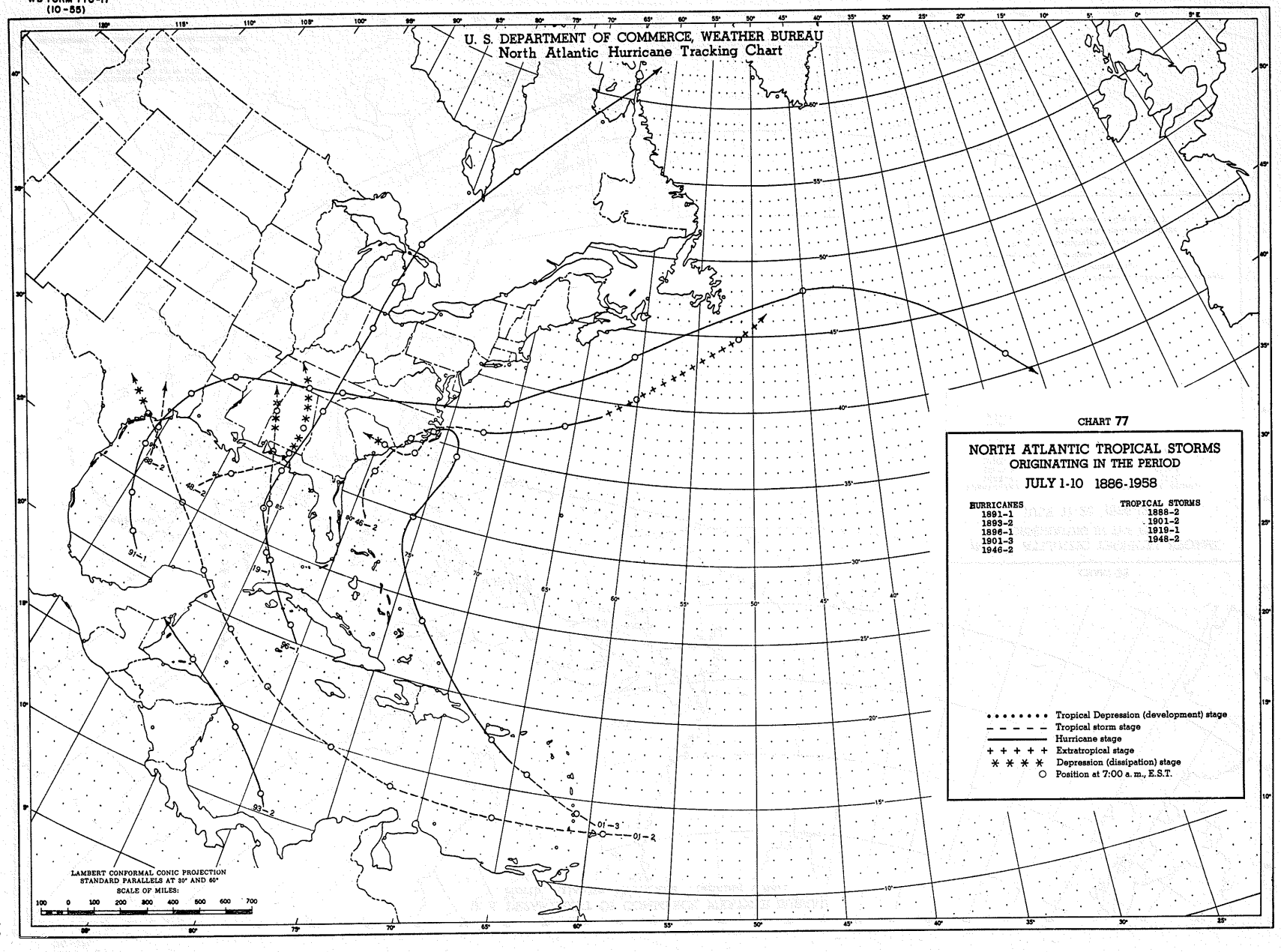
WB FORM 770-17
(10-55)



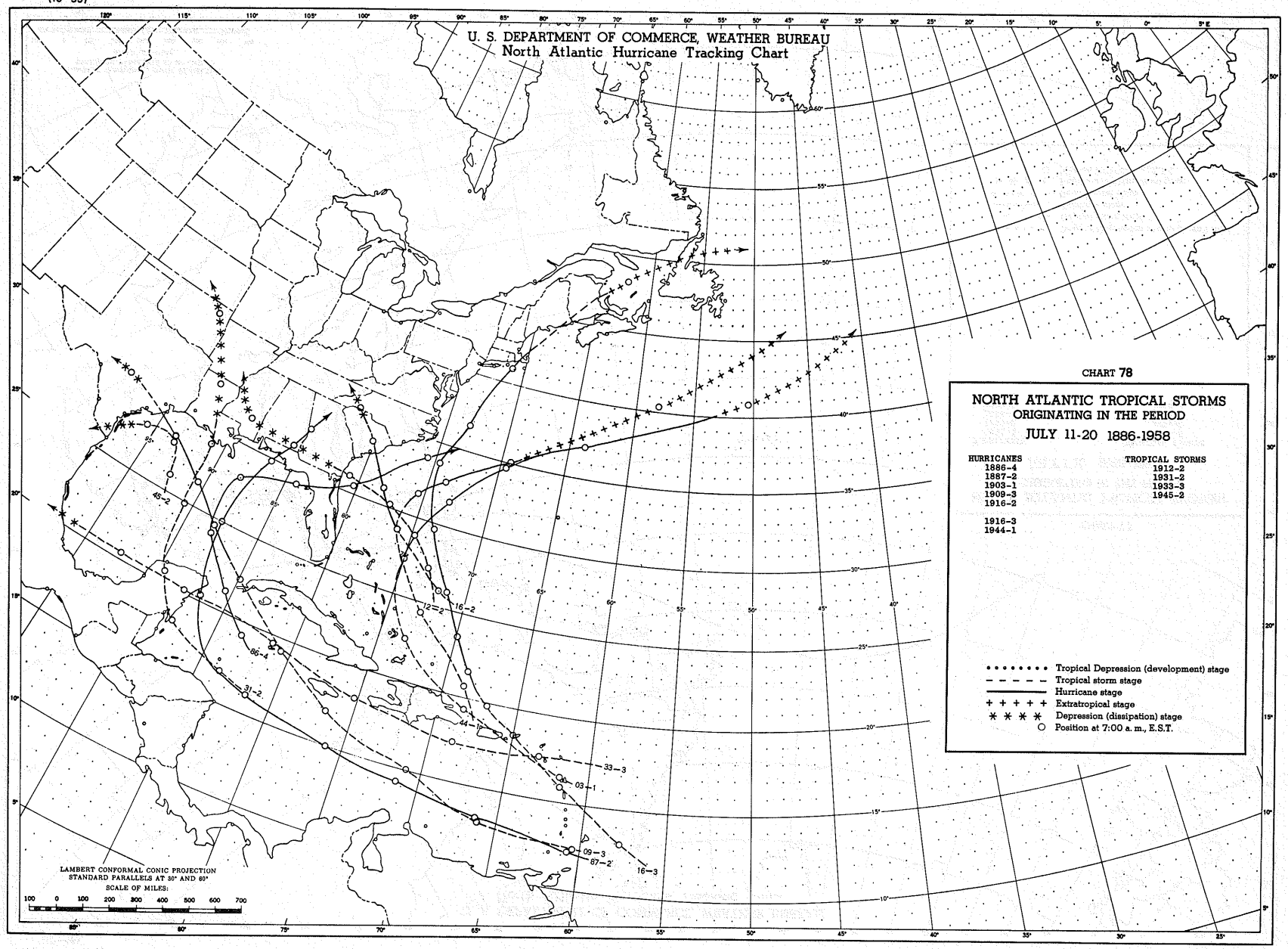
WB FORM 770-17
(10-55)



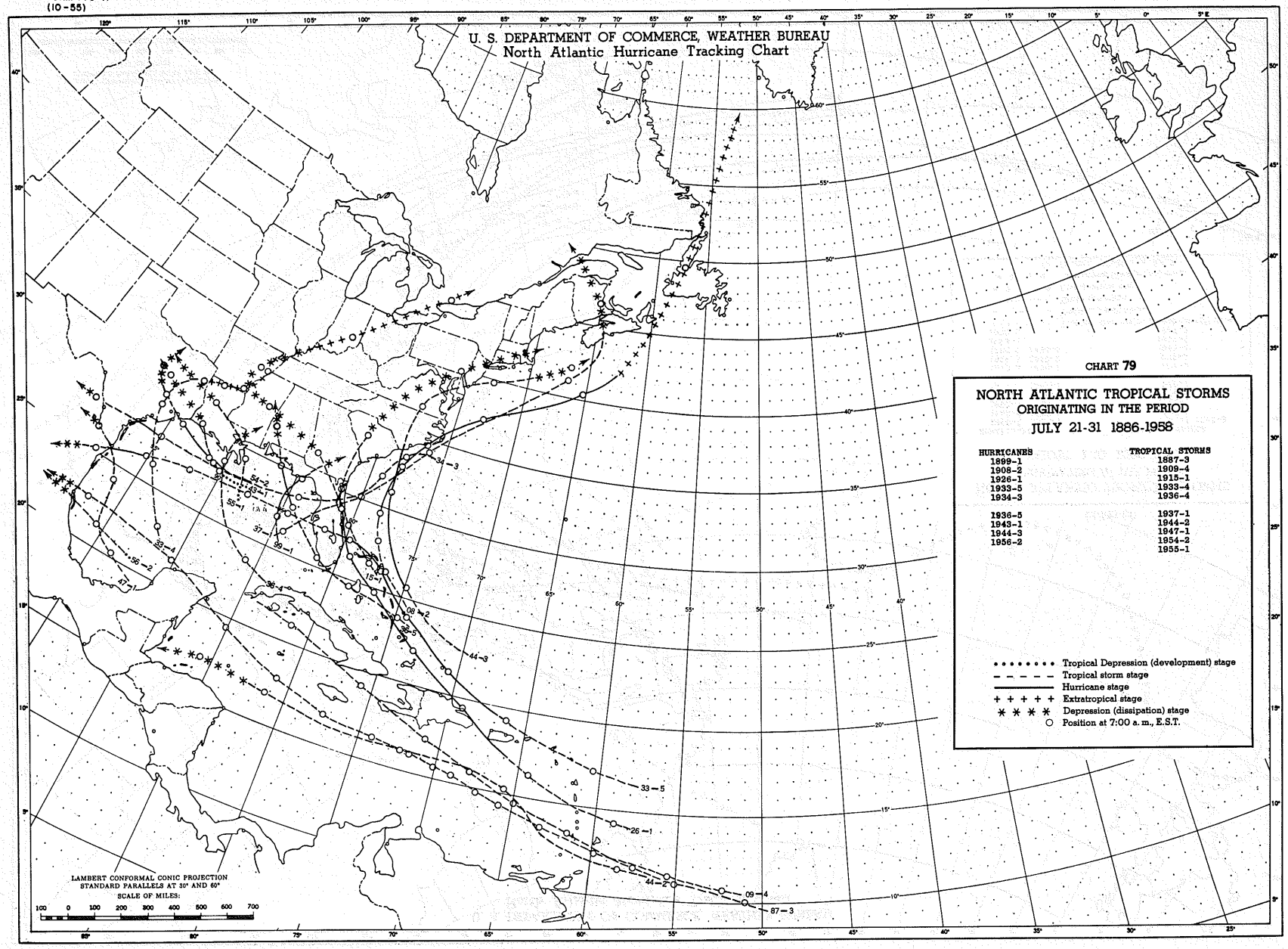
WB FORM 770-17
(10-55)



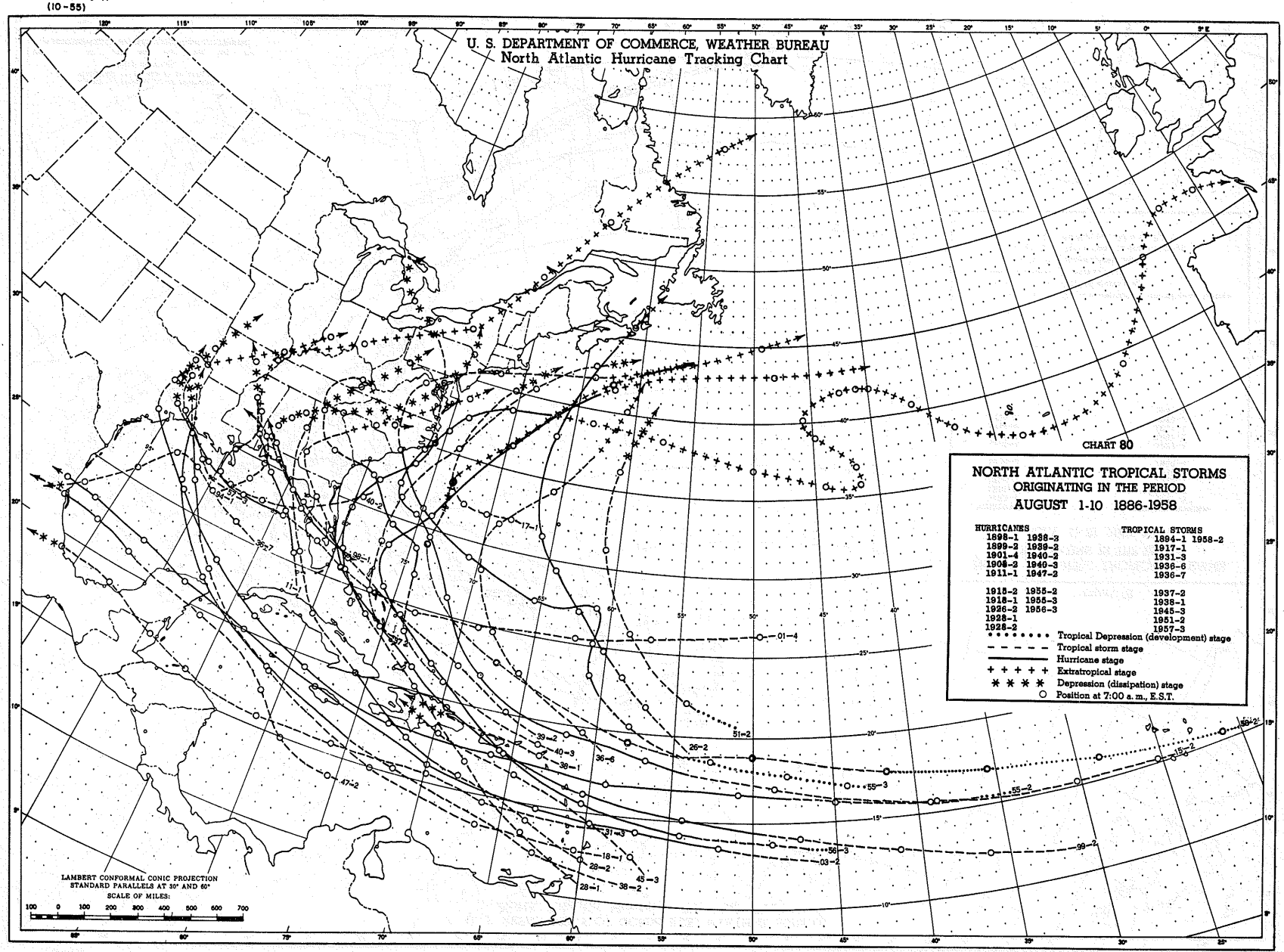
WB FORM 770-17
(10-55)



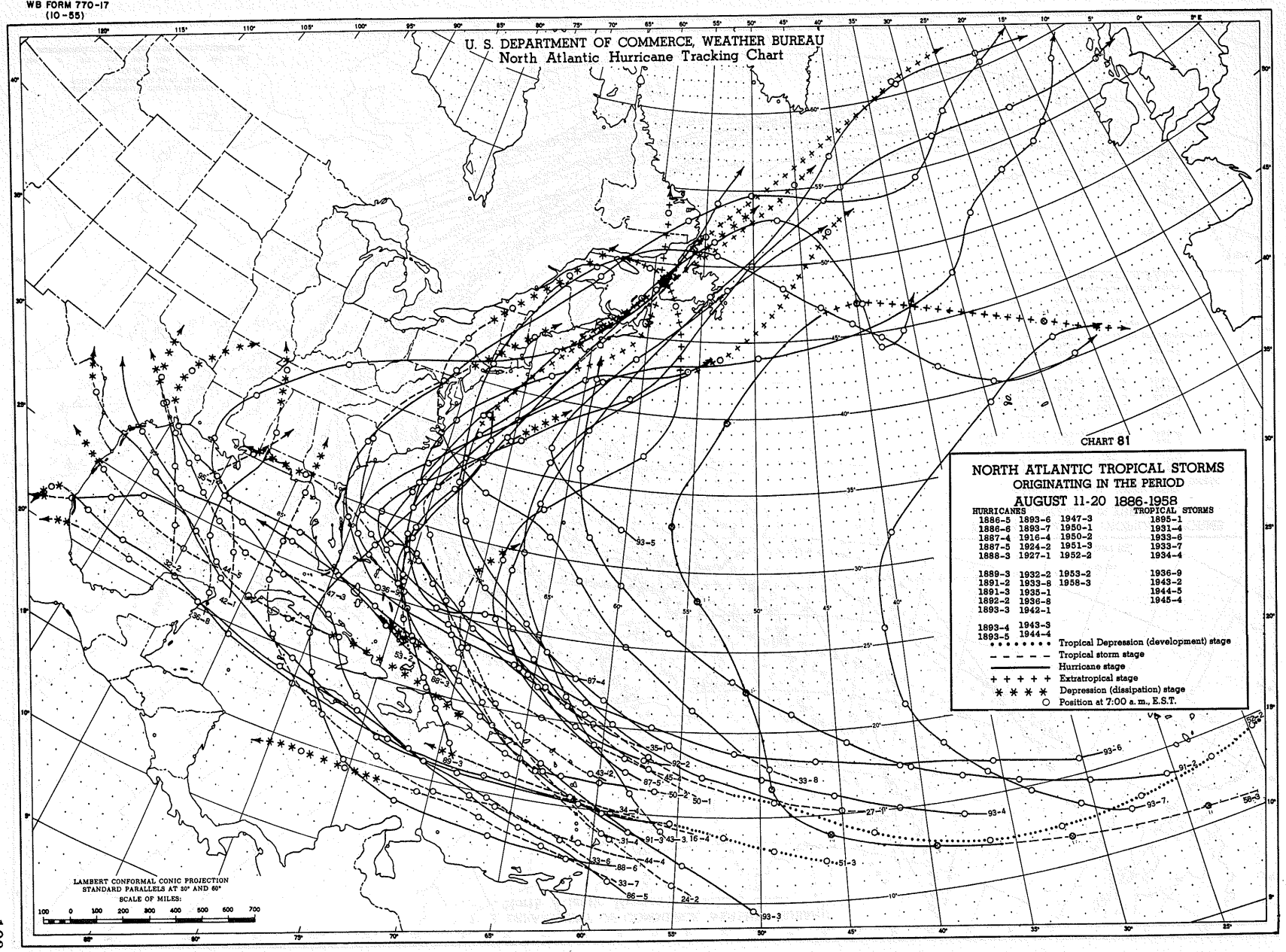
WB FORM 770-17
(10-55)



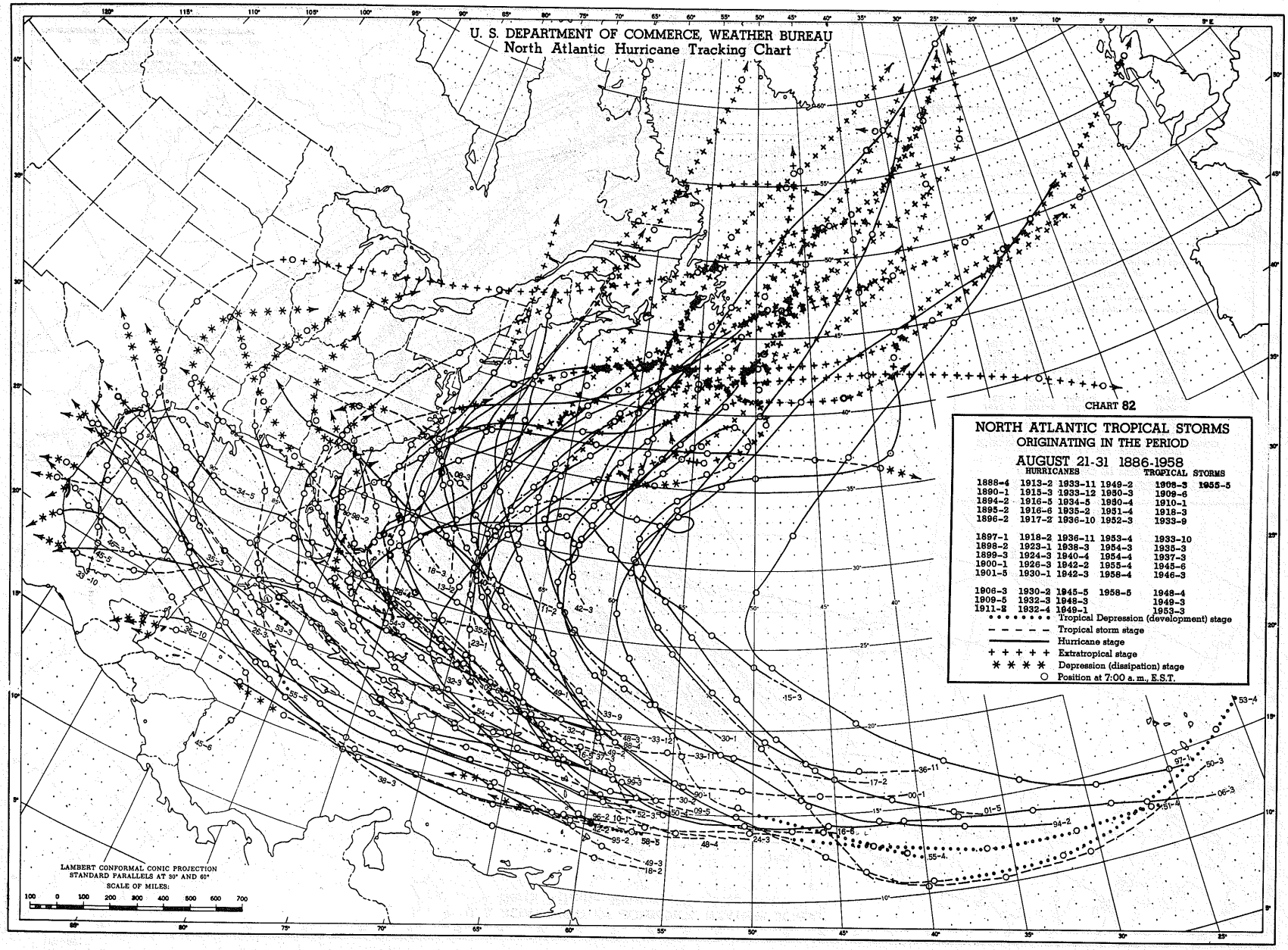
WB FORM 770-17
(10-55)



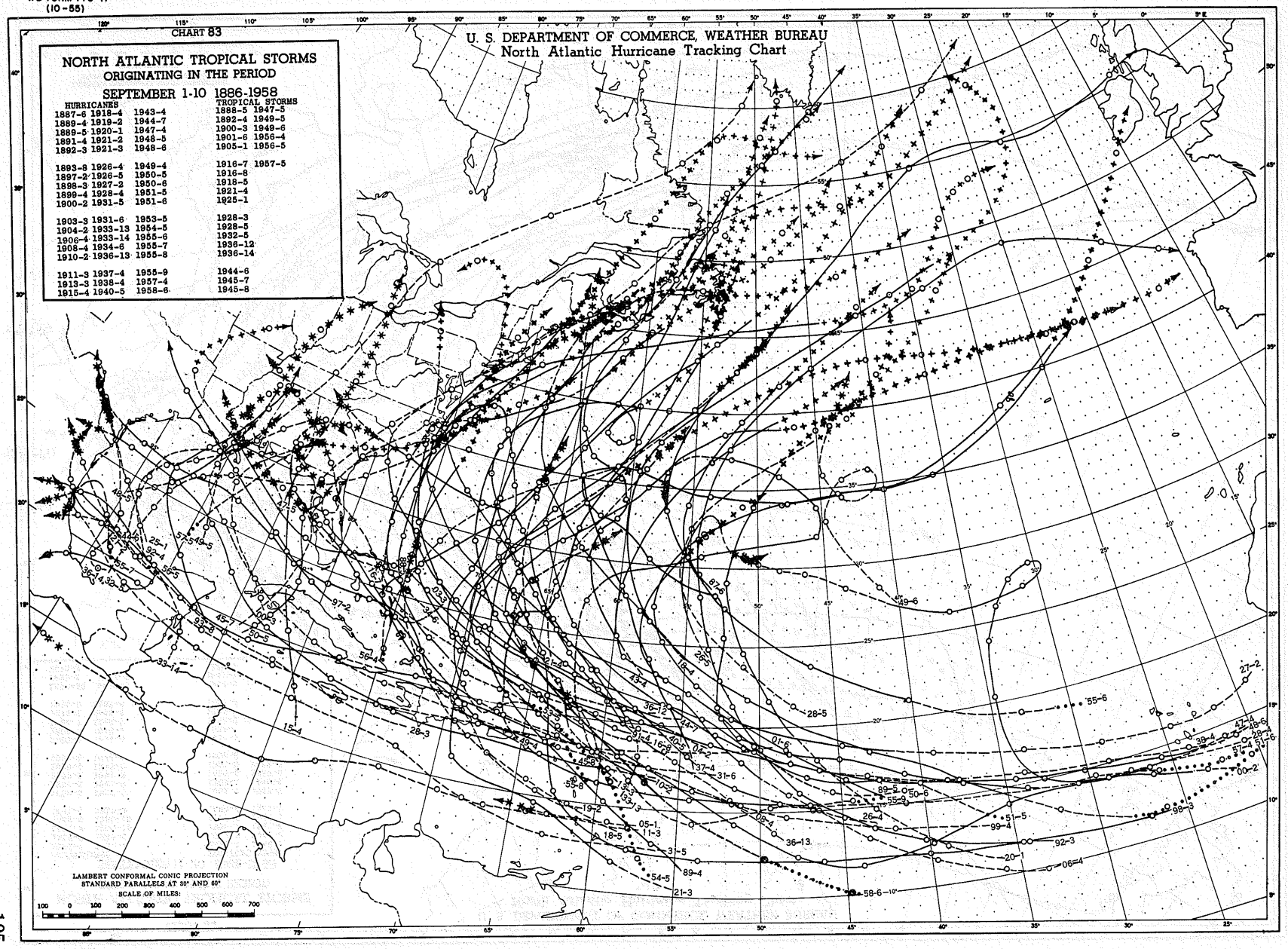
WB FORM 770-17
(10-55)



WB FORM 770-17
(10-55)



WB FORM 770-17
(10-55)



WB FORM 770-17
(10-55)

CHART 84

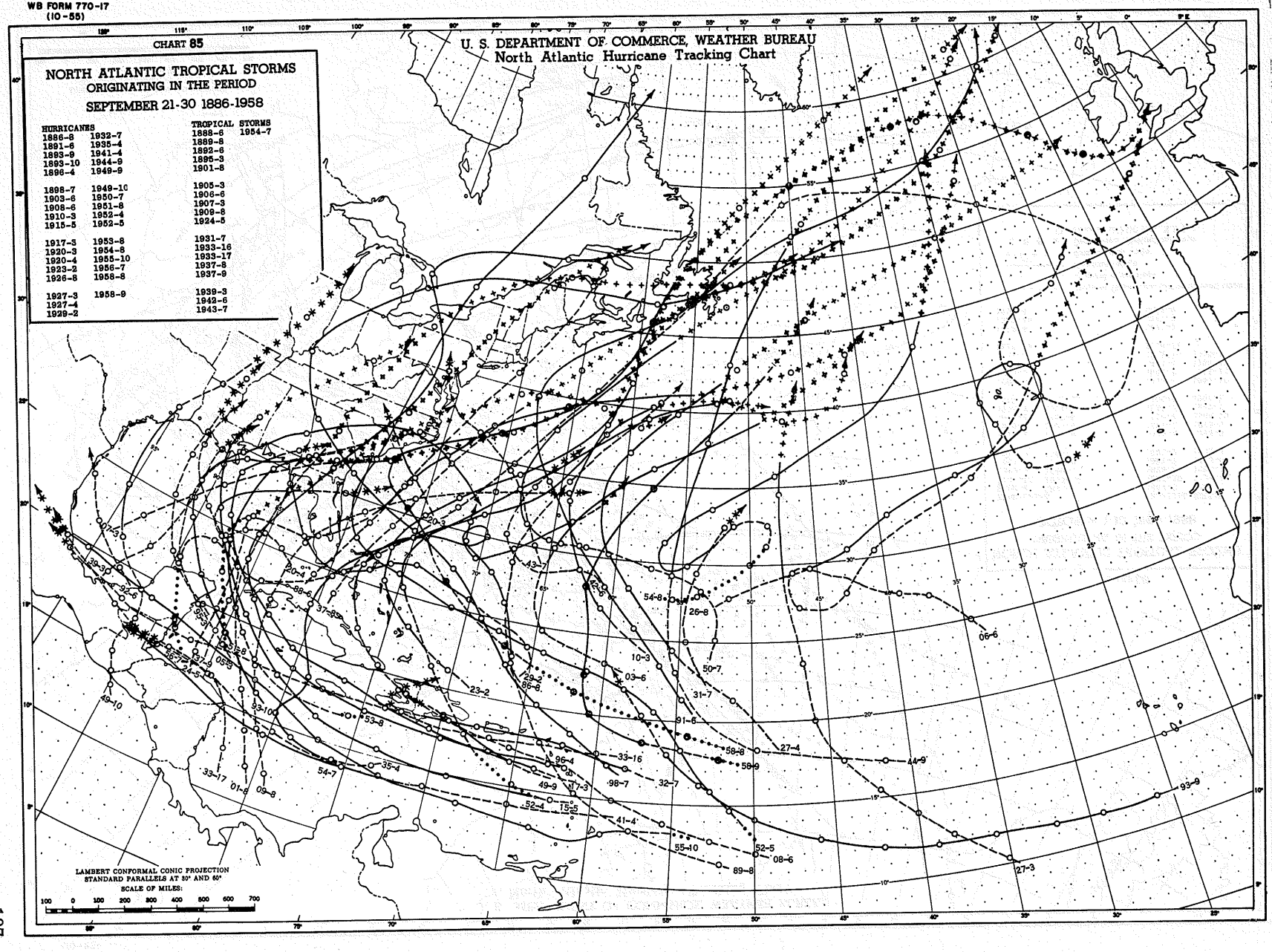
U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU
North Atlantic Hurricane Tracking Chart

## NORTH ATLANTIC TROPICAL STORMS
### ORIGINATING IN THE PERIOD
### SEPTEMBER 11-20 1886-1958

| HURRICANES | | TROPICAL STORMS | |
|---|---|---|---|
| 1886-7 | 1924-4 | 1889-7 | 1942-5 |
| 1887-7 | 1926-6 | 1897-3 | 1943-5 |
| 1887-8 | 1933-15 | 1898-4 | 1947-6 |
| 1889-6 | 1936-15 | 1898-5 | 1949-7 |
| 1891-5 | 1937-5 | 1898-6 | 1951-7 |
| 1892-5 | 1937-7 | 1901-7 | 1953-7 |
| 1894-3 | 1941-2 | 1903-5 | 1956-6 |
| 1896-3 | 1941-3 | 1905-2 | 1957-6 |
| 1900-4 | 1943-6 | 1907-2 | 1958-7 |
| 1902-3 | 1944-8 | 1908-5 | |
| 1903-4 | 1945-9 | 1914-1 | |
| 1906-5 | 1946-4 | 1926-7 | |
| 1909-7 | 1948-7 | 1932-6 | |
| 1912-3 | 1949-8 | 1934-7 | |
| 1916-9 | 1953-6 | 1937-6 | |
| 1916-10 | 1954-6 | 1940-6 | |
| 1920-2 | 1957-7 | 1941-1 | |
| 1922-2 | | 1942-4 | |

LAMBERT CONFORMAL CONIC PROJECTION
STANDARD PARALLELS AT 30° AND 60°
SCALE OF MILES:
100 0 100 200 300 400 500 600 700

WB FORM 770-17
(10-55)



WB FORM 770-17
(10-55)

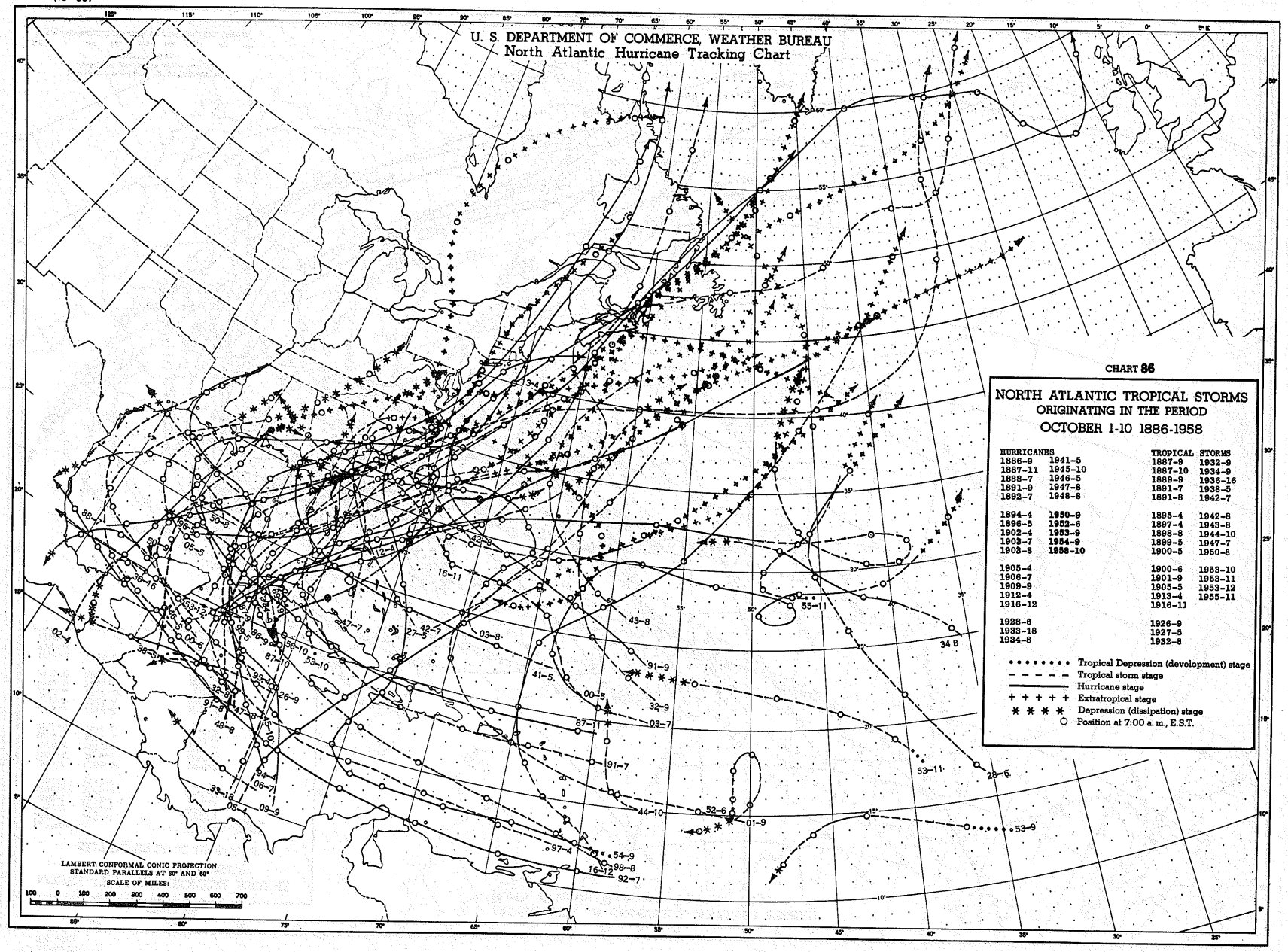



CHART 86

## NORTH ATLANTIC TROPICAL STORMS
ORIGINATING IN THE PERIOD
OCTOBER 1-10 1886-1958

| HURRICANES | | TROPICAL STORMS | |
|---|---|---|---|
| 1886-9 | 1941-5 | 1887-9 | 1932-9 |
| 1887-11 | 1945-10 | 1887-10 | 1934-9 |
| 1888-7 | 1946-5 | 1889-9 | 1936-16 |
| 1891-9 | 1947-8 | 1891-7 | 1938-5 |
| 1892-7 | 1948-8 | 1891-8 | 1942-7 |
| 1894-4 | **1950-9** | 1895-4 | 1942-8 |
| 1896-5 | **1952-6** | 1897-4 | 1943-8 |
| 1902-4 | **1953-9** | 1898-8 | 1944-10 |
| 1903-7 | **1954-9** | 1899-5 | 1947-7 |
| 1908-8 | **1958-10** | 1900-5 | 1950-8 |
| 1905-4 | | 1900-6 | 1953-10 |
| 1906-7 | | 1901-9 | 1953-11 |
| 1909-9 | | 1905-5 | 1953-12 |
| 1912-4 | | 1913-4 | 1955-11 |
| 1916-12 | | 1916-11 | |
| 1928-6 | | 1926-9 | |
| 1933-18 | | 1927-5 | |
| 1934-8 | | 1932-8 | |

- Tropical Depression (development) stage
- Tropical storm stage
- Hurricane stage
- Extratropical stage
- Depression (dissipation) stage
- Position at 7:00 a. m., E.S.T.

WB FORM 770-17
(10-55)

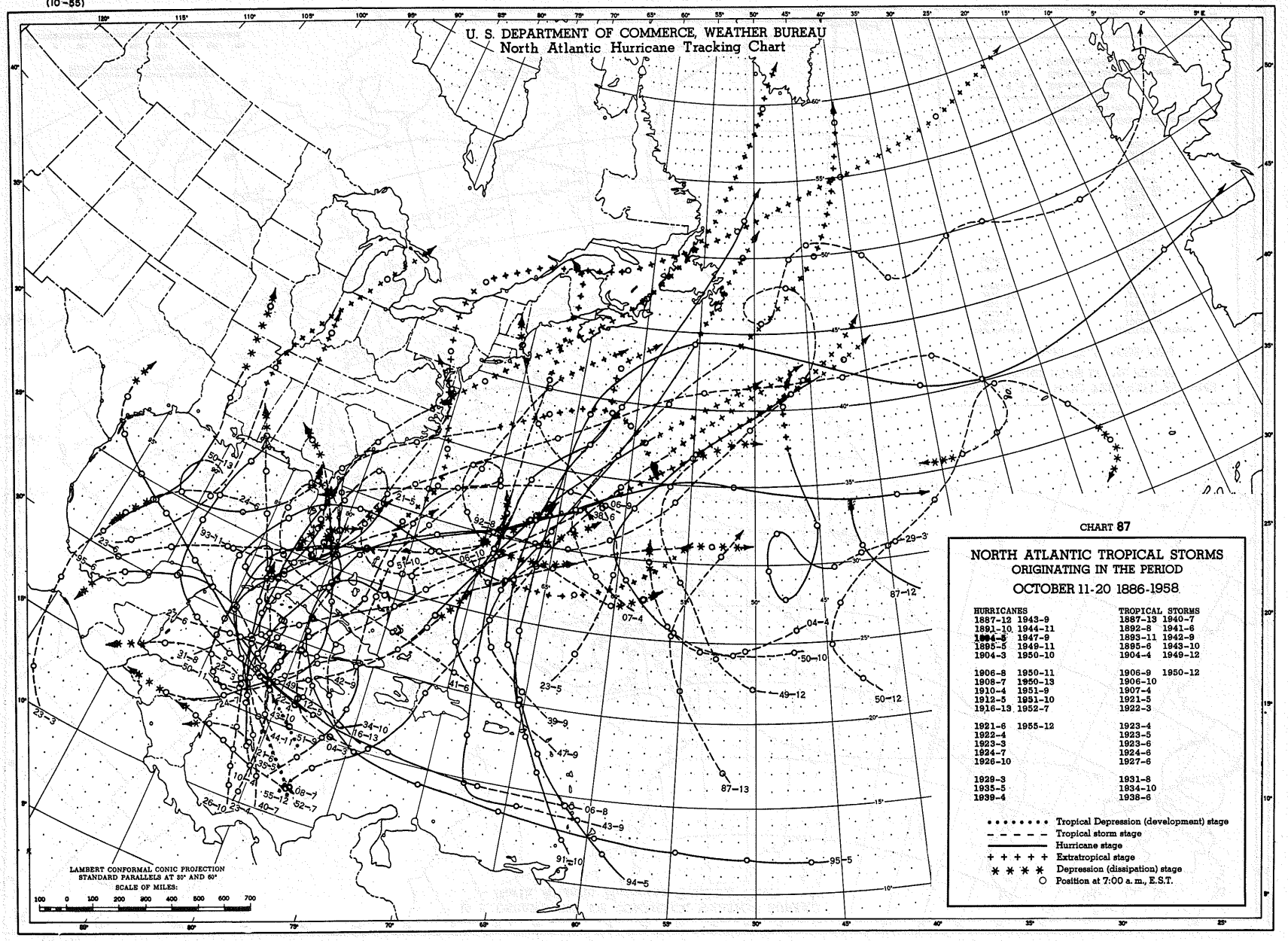


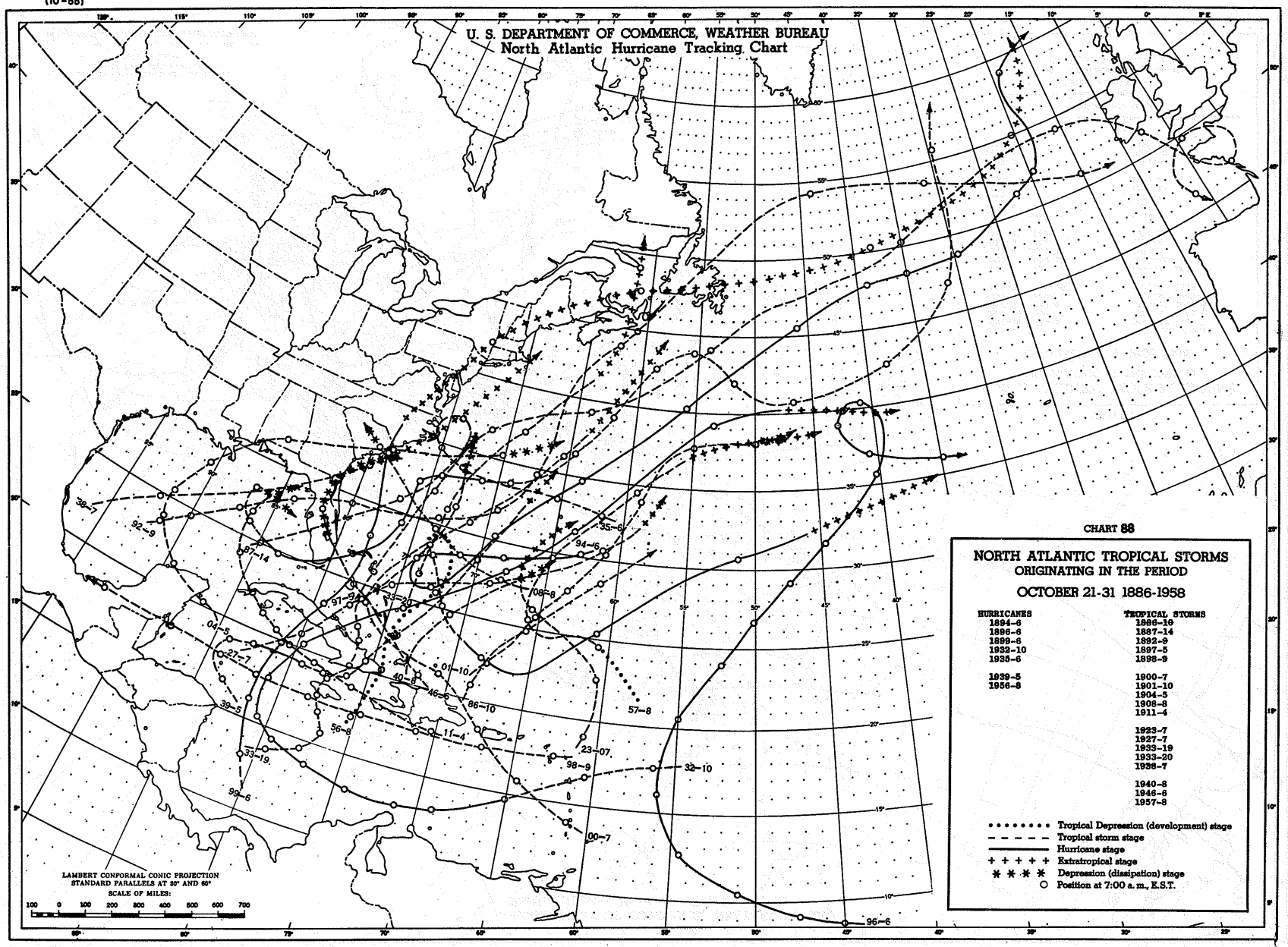

CHART **87**

## NORTH ATLANTIC TROPICAL STORMS
### ORIGINATING IN THE PERIOD
### OCTOBER 11-20 1886-1958

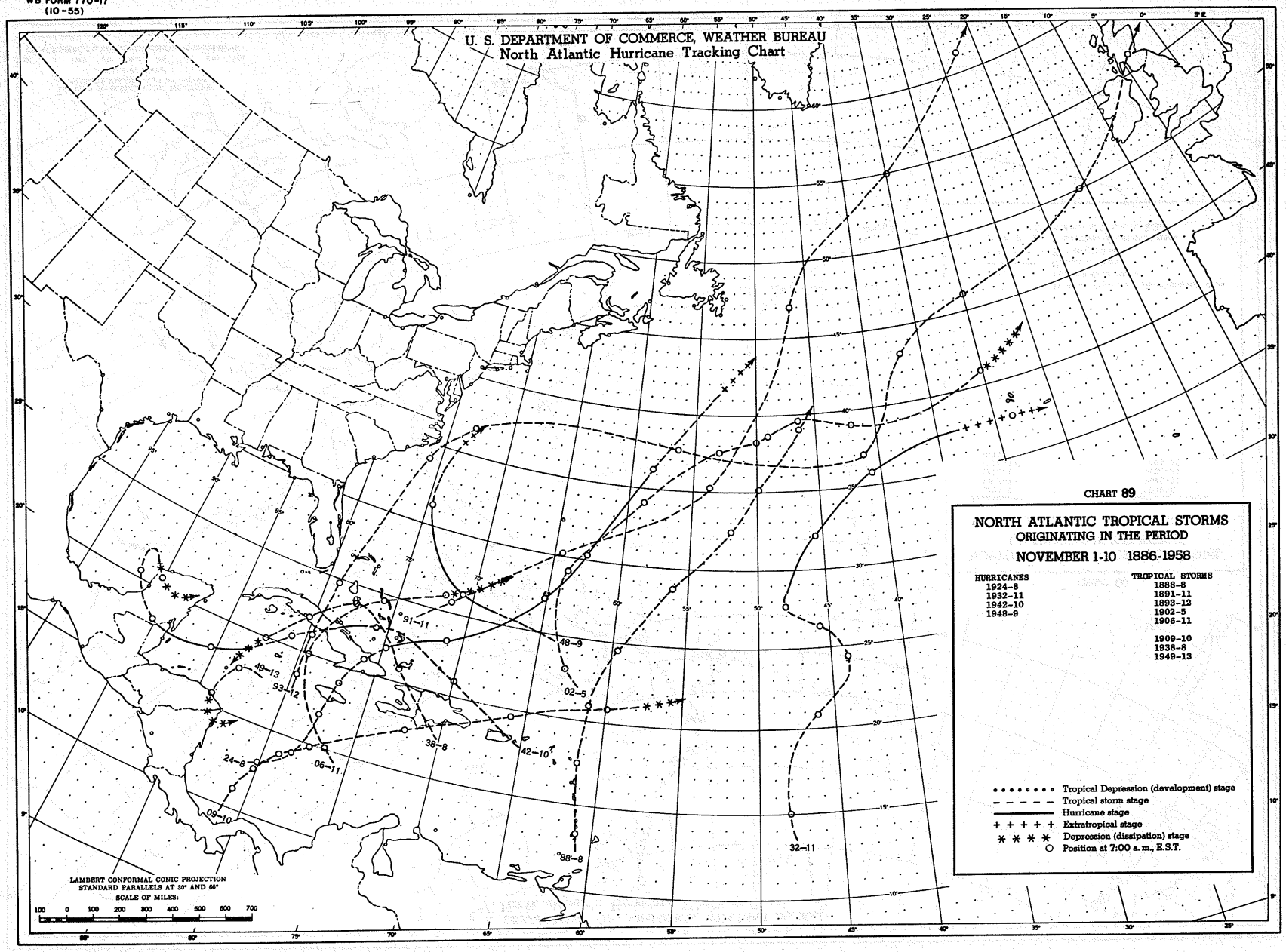
| HURRICANES | | TROPICAL STORMS | |
|---|---|---|---|
| 1887-12 | 1943-9 | 1887-13 | 1940-7 |
| 1891-10 | 1944-11 | 1892-8 | 1941-6 |
| 1894-5 | 1947-9 | 1893-11 | 1942-9 |
| 1895-5 | 1949-11 | 1895-6 | 1943-10 |
| 1904-3 | 1950-10 | 1904-4 | 1949-12 |
| 1906-8 | 1950-11 | 1906-9 | 1950-12 |
| 1908-7 | 1950-13 | 1906-10 | |
| 1910-4 | 1951-9 | 1907-4 | |
| 1912-5 | 1951-10 | 1921-5 | |
| 1916-13 | 1952-7 | 1922-3 | |
| 1921-6 | 1955-12 | 1923-4 | |
| 1922-4 | | 1923-5 | |
| 1923-3 | | 1923-6 | |
| 1924-7 | | 1924-6 | |
| 1926-10 | | 1927-6 | |
| 1929-3 | | 1931-8 | |
| 1935-5 | | 1934-10 | |
| 1939-4 | | 1938-6 | |

• • • • • • • • Tropical Depression (development) stage
– – – – – Tropical storm stage
——— Hurricane stage
+ + + + + Extratropical stage
* * * * Depression (dissipation) stage
○ Position at 7:00 a. m., E.S.T.

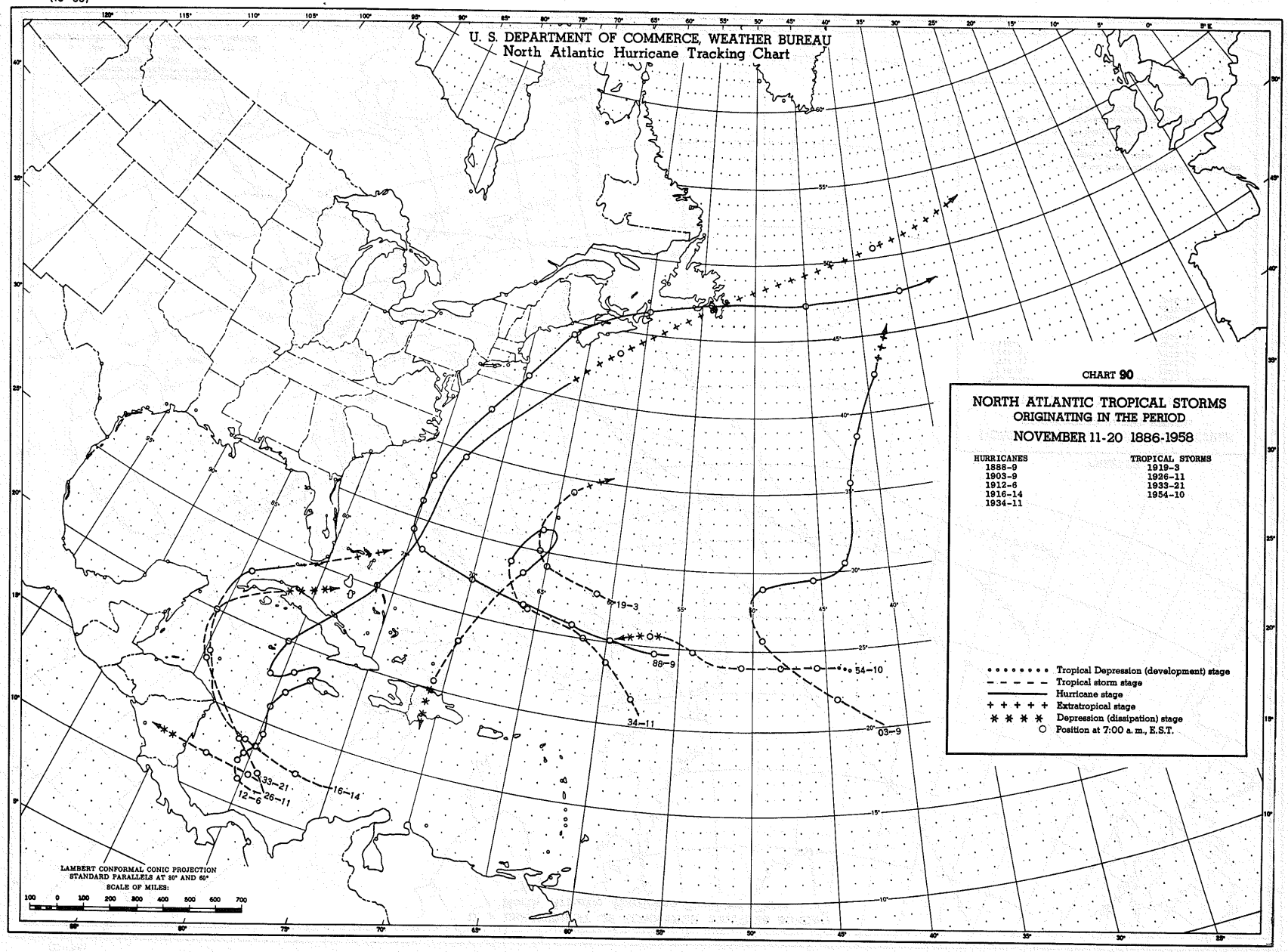
WB FORM 770-17
(10-55)



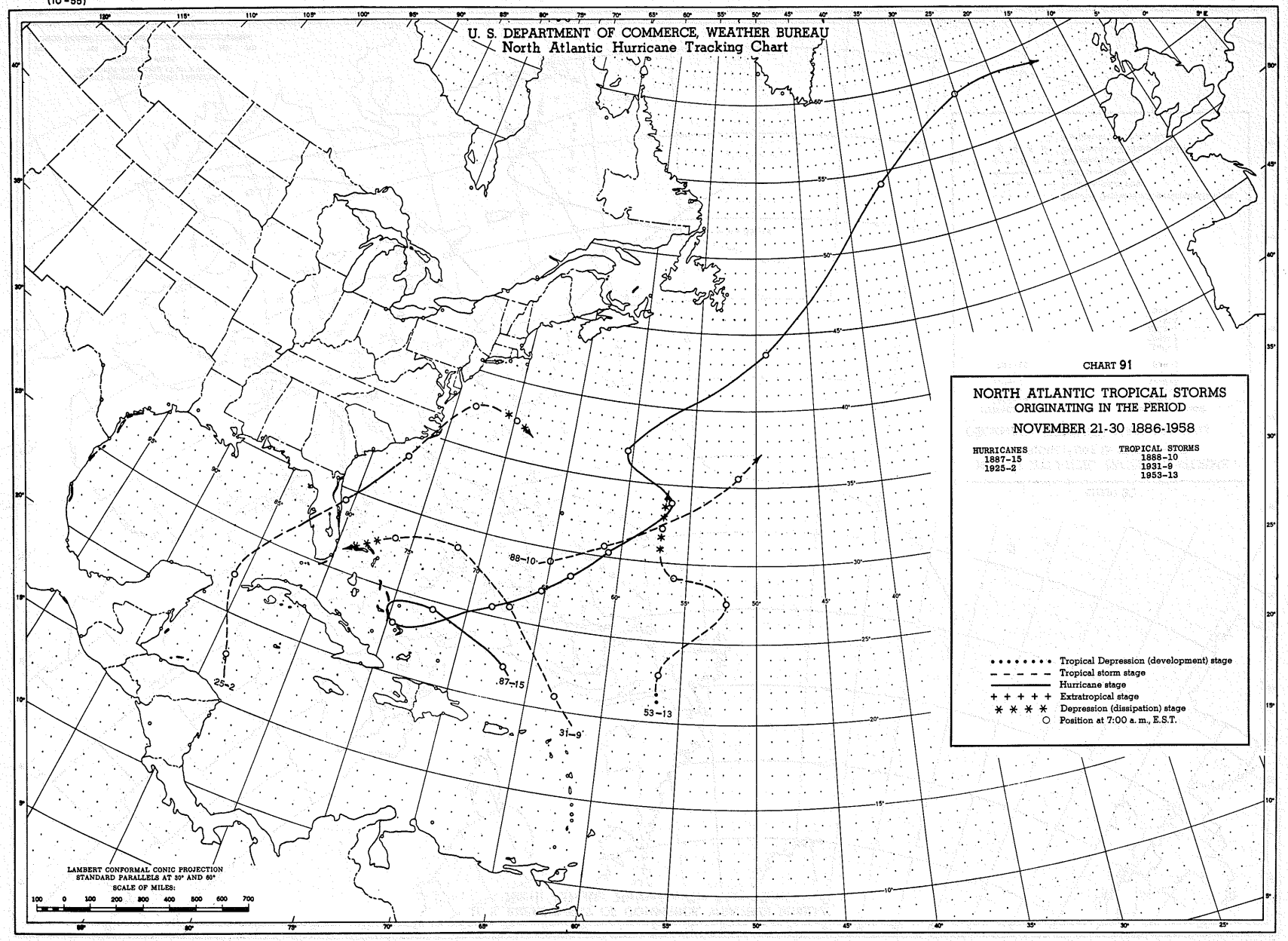
WB FORM 770-17
(10-55)



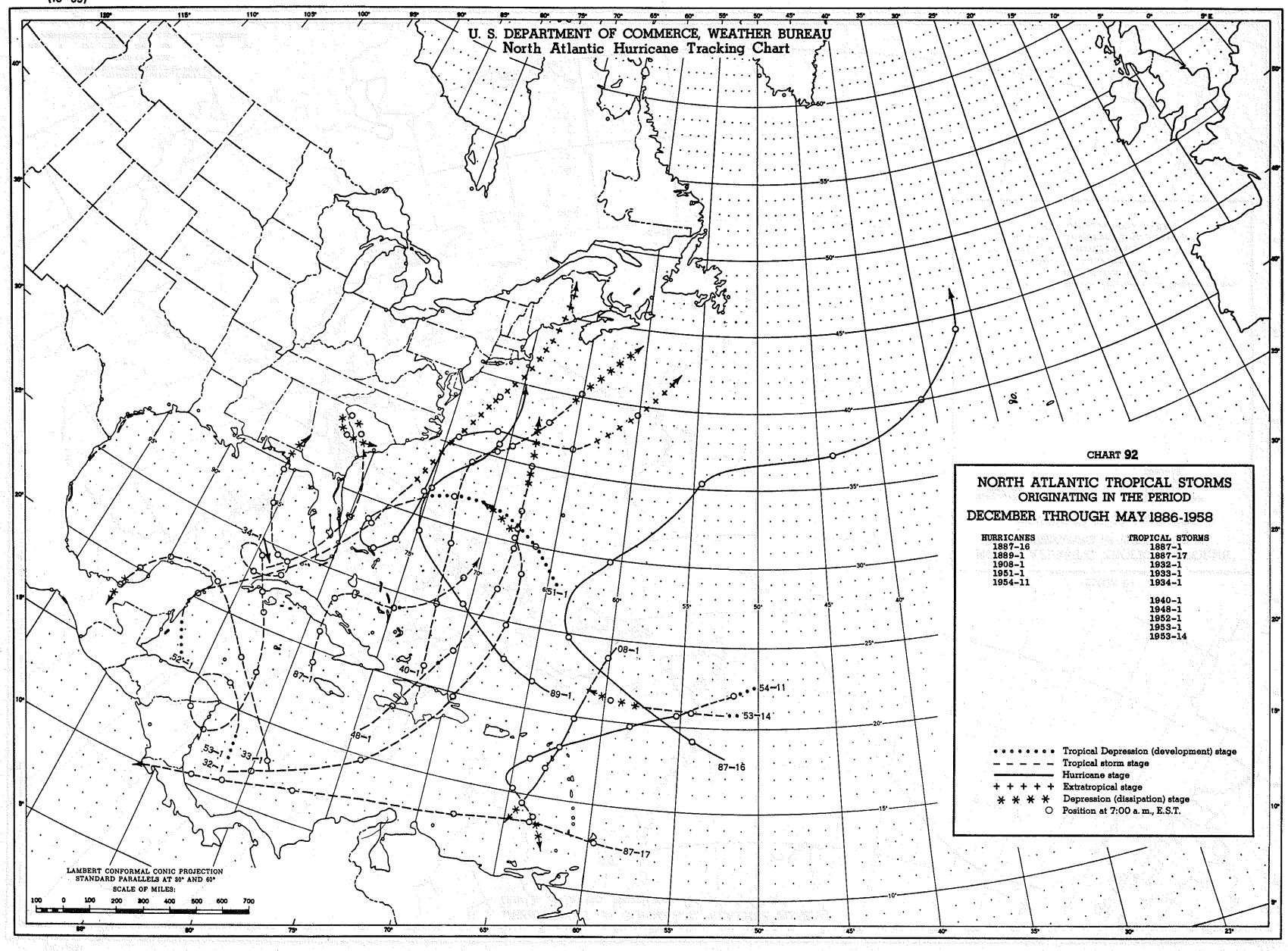
WB FORM 770-17
(10-55)



WB FORM 770-17
(10-55)



WB FORM 770-17
(10-55)



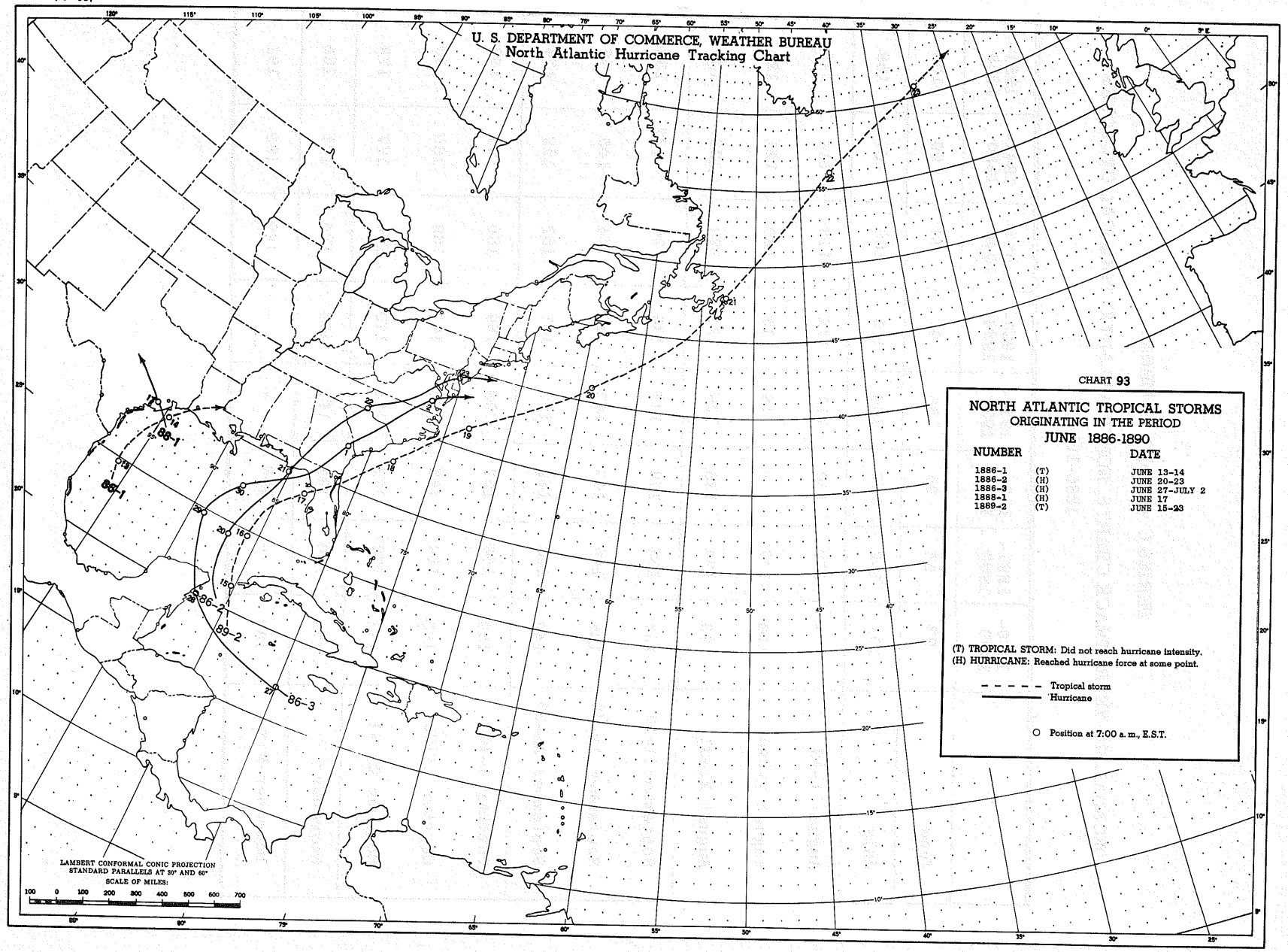
SERIES C - CHART NUMBERS

DECADAL (10-YEAR) TRACK CHARTS, NORTH ATLANTIC TROPICAL CYCLONES

1886-1958

| | 1886-1890 | 1891-1900 | 1901-1910 | 1911-1920 | 1921-1930 | 1931-1940 | 1941-1950 | 1951-1958 |
|---|---|---|---|---|---|---|---|---|
| June | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |
| July | 101 | 102 | 103 | 104 | 105 | 106 | 107 | 108 |
| August 1-10 | - | 109 | 110 | 111 | 112 | 113 | 114 | 115 |
| August 11-20 | 116 | 117 | - | 118 | 119 | 120 | 121 | 122 |
| August 21-31 | 123 | 124 | 125 | 126 | 127 | 128 | 129 | 130 |
| September 1-10 | 131 | 132 | 133 | 134 | 135 | 136 | 137 | 138 |
| September 11-20 | 139 | 140 | 141 | 142 | 143 | 144 | 145 | 146 |
| September 21-30 | 147 | 148 | 149 | 150 | 151 | 152 | 153 | 154 |
| October 1-10 | 155 | 156 | 157 | 158 | 159 | 160 | 161 | 162 |
| October 11-20 | 163 | 164 | 165 | 166 | 167 | 168 | 169 | 170 |
| October 21-31 | 171 | 172 | 173 | 174 | 175 | 176 | 177 | 178 |
| November | 179 | 180 | 181 | 182 | 183 | 184 | 185 | 186 |
| December-May | 187 | - | 188 | - | - | 189 | 190 | 191 |

WB FORM 770-17
(10-55)



WB FORM 770-17
(10-55)

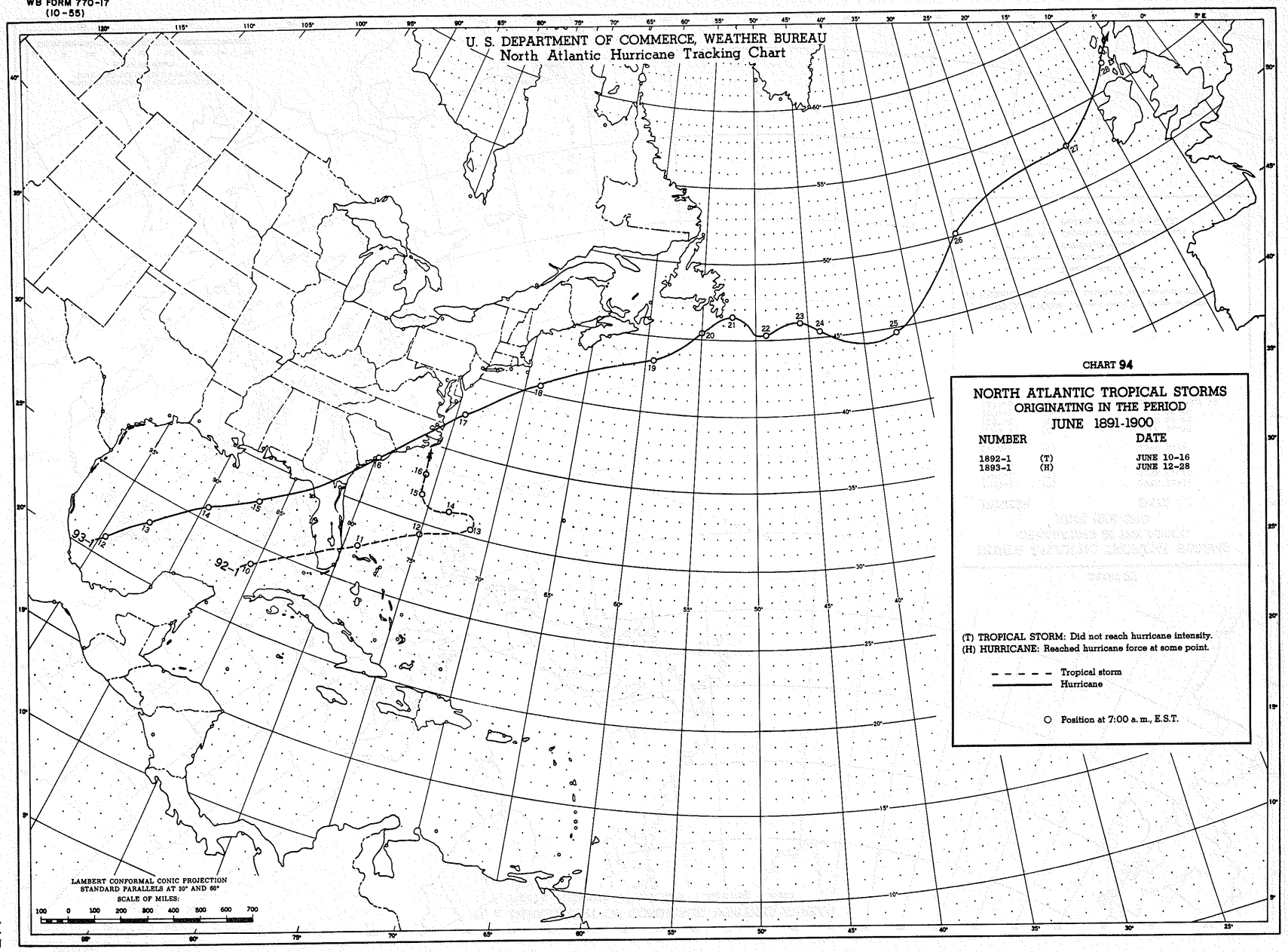



CHART **94**

## NORTH ATLANTIC TROPICAL STORMS
### ORIGINATING IN THE PERIOD
### JUNE 1891-1900

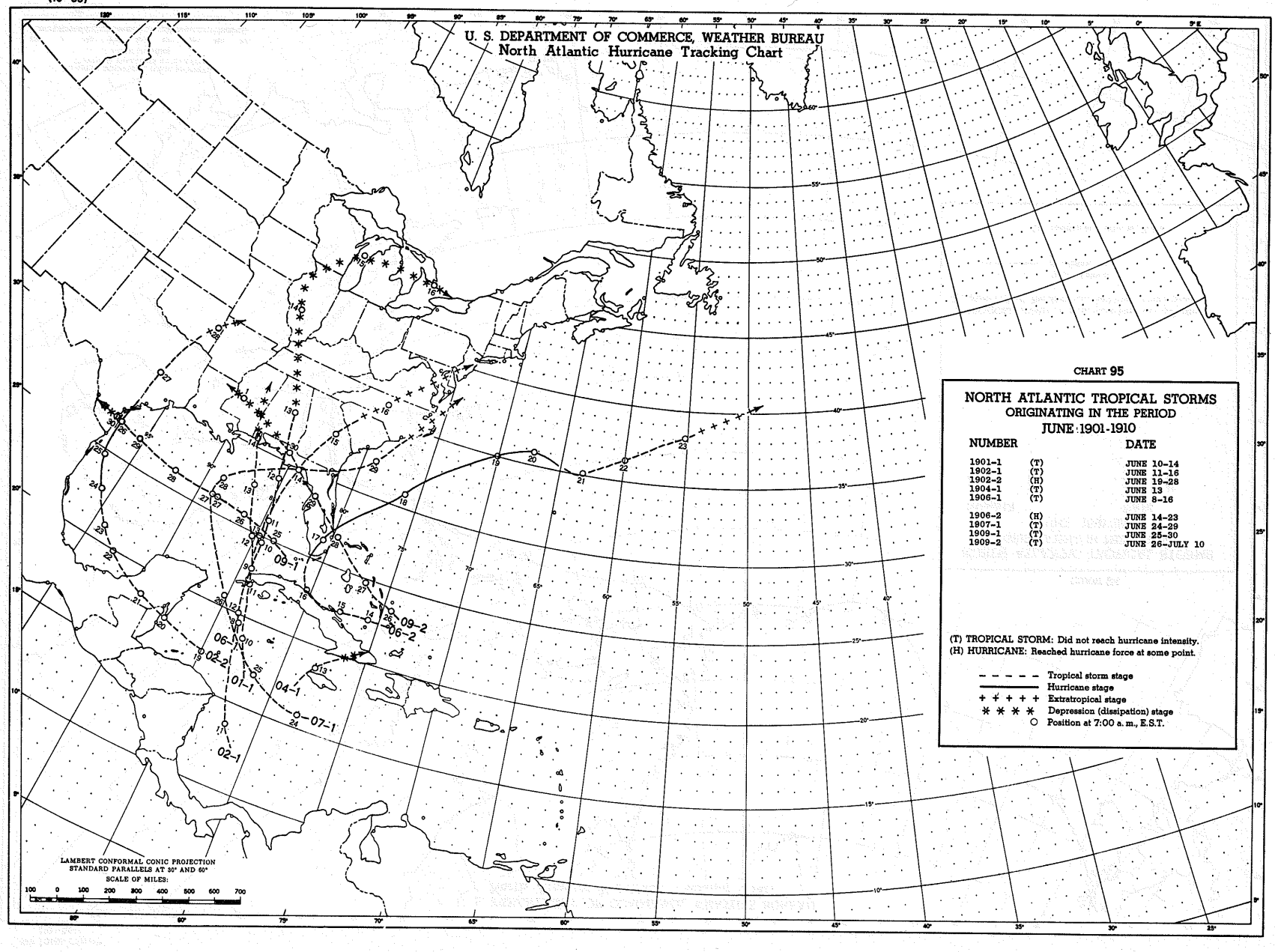
| NUMBER | | DATE |
|---|---|---|
| 1892-1 | (T) | JUNE 10-16 |
| 1893-1 | (H) | JUNE 12-28 |

(T) TROPICAL STORM: Did not reach hurricane intensity.
(H) HURRICANE: Reached hurricane force at some point.

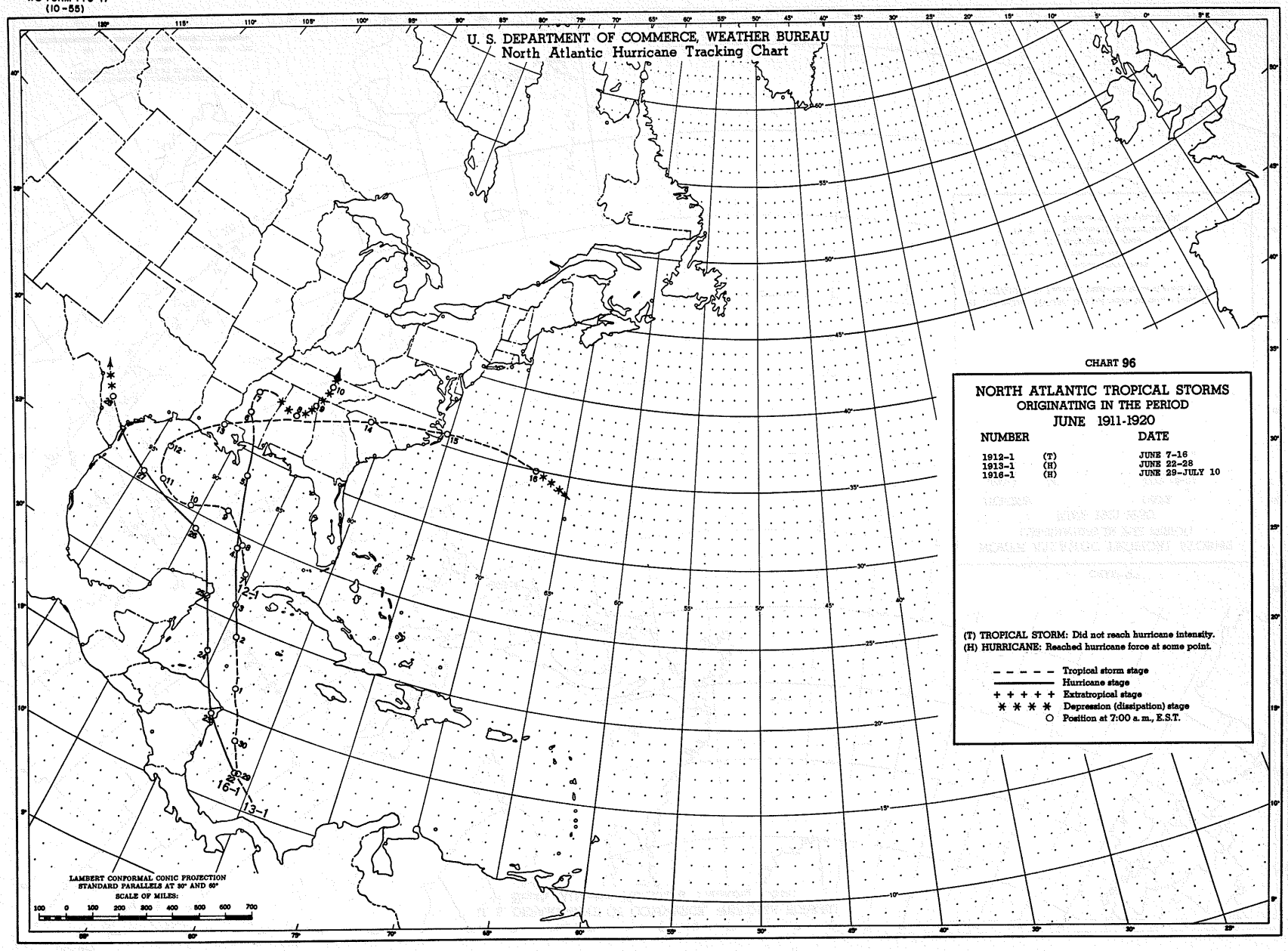
- - - - - Tropical storm
——— Hurricane

○ Position at 7:00 a. m., E.S.T.

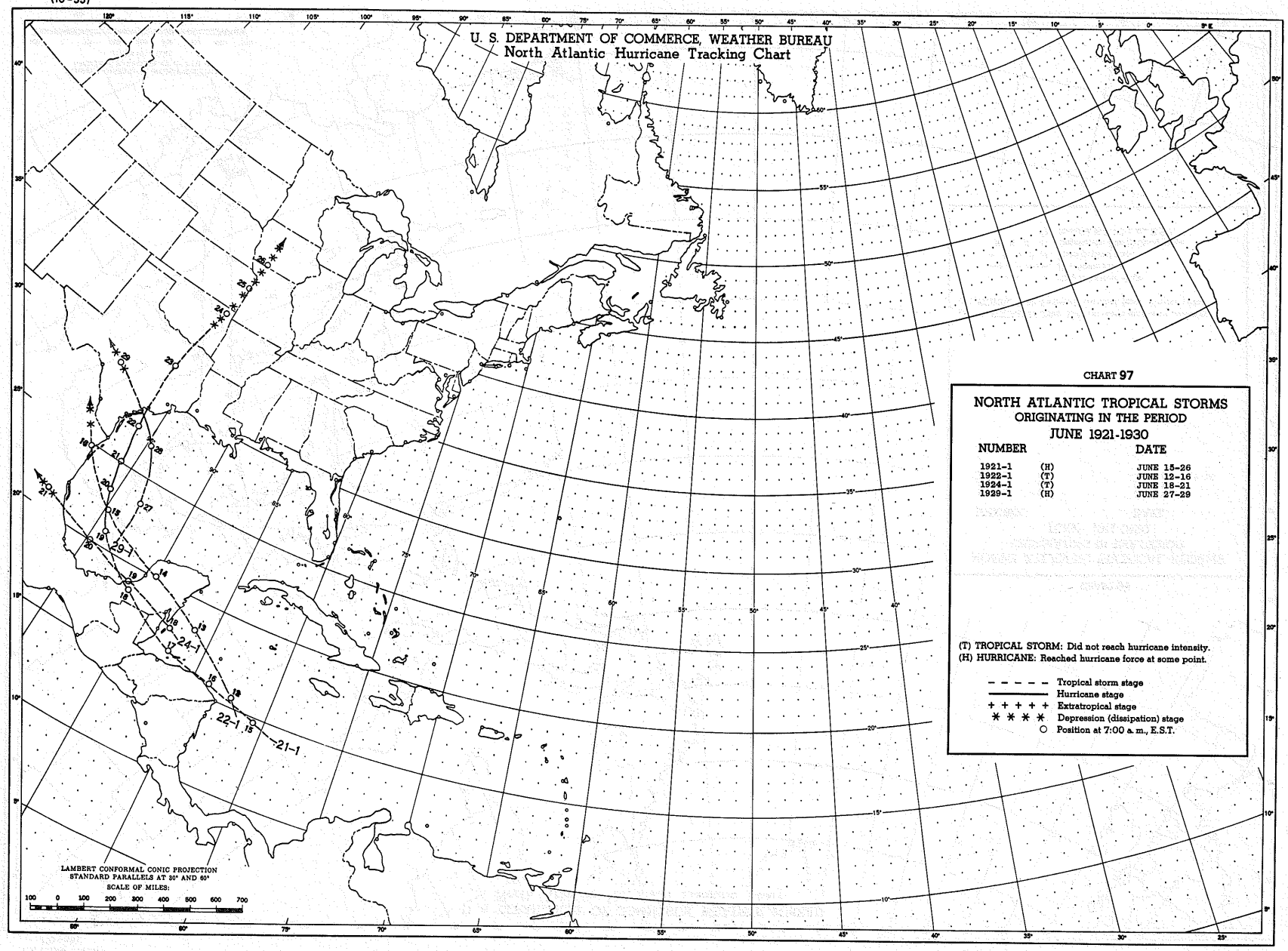
WB FORM 770-17
(10-55)



WB FORM 770-17
(10-55)



WB FORM 770-17
(10-55)



WB FORM 770-17
(10-55)

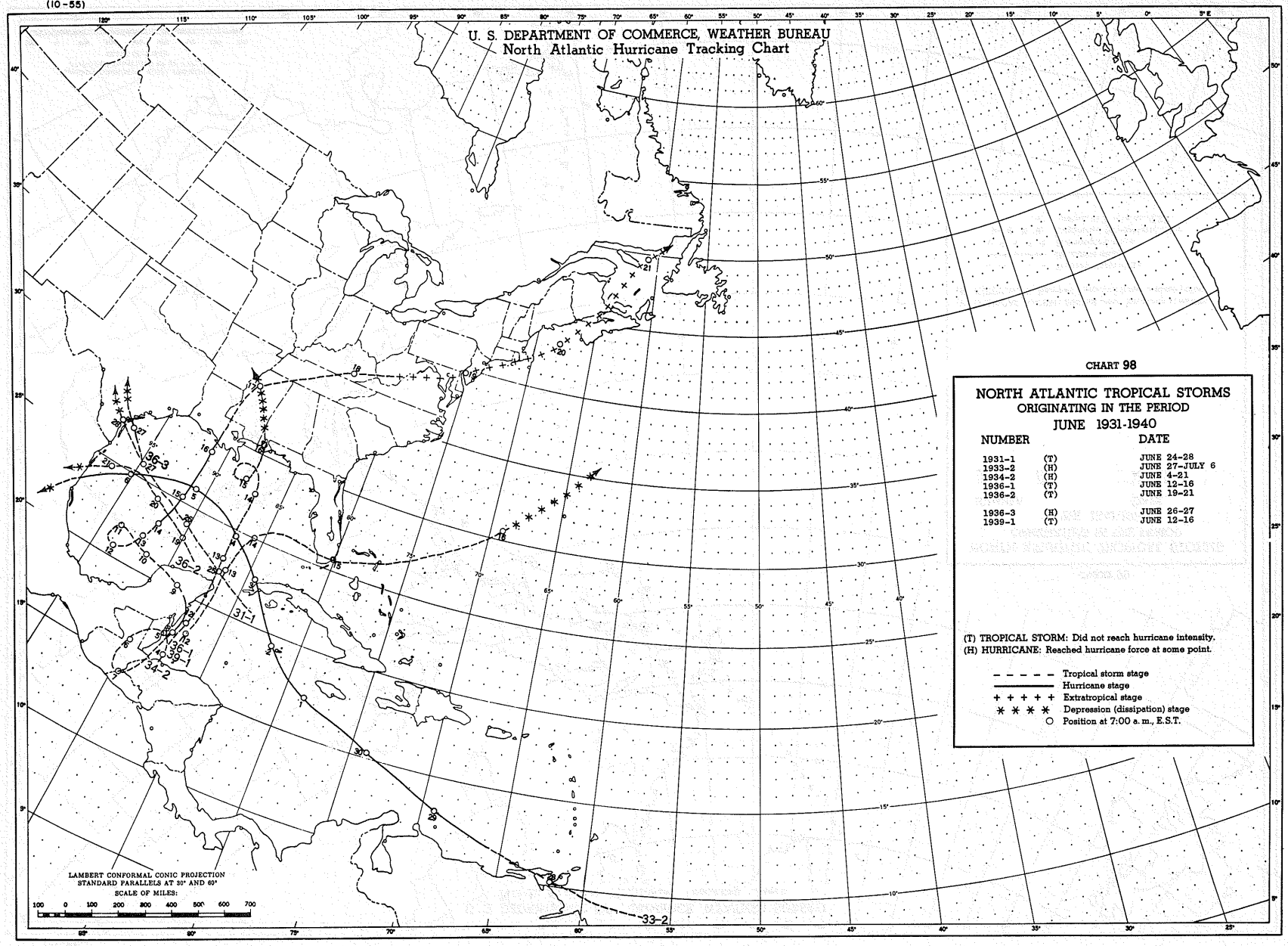



CHART 98

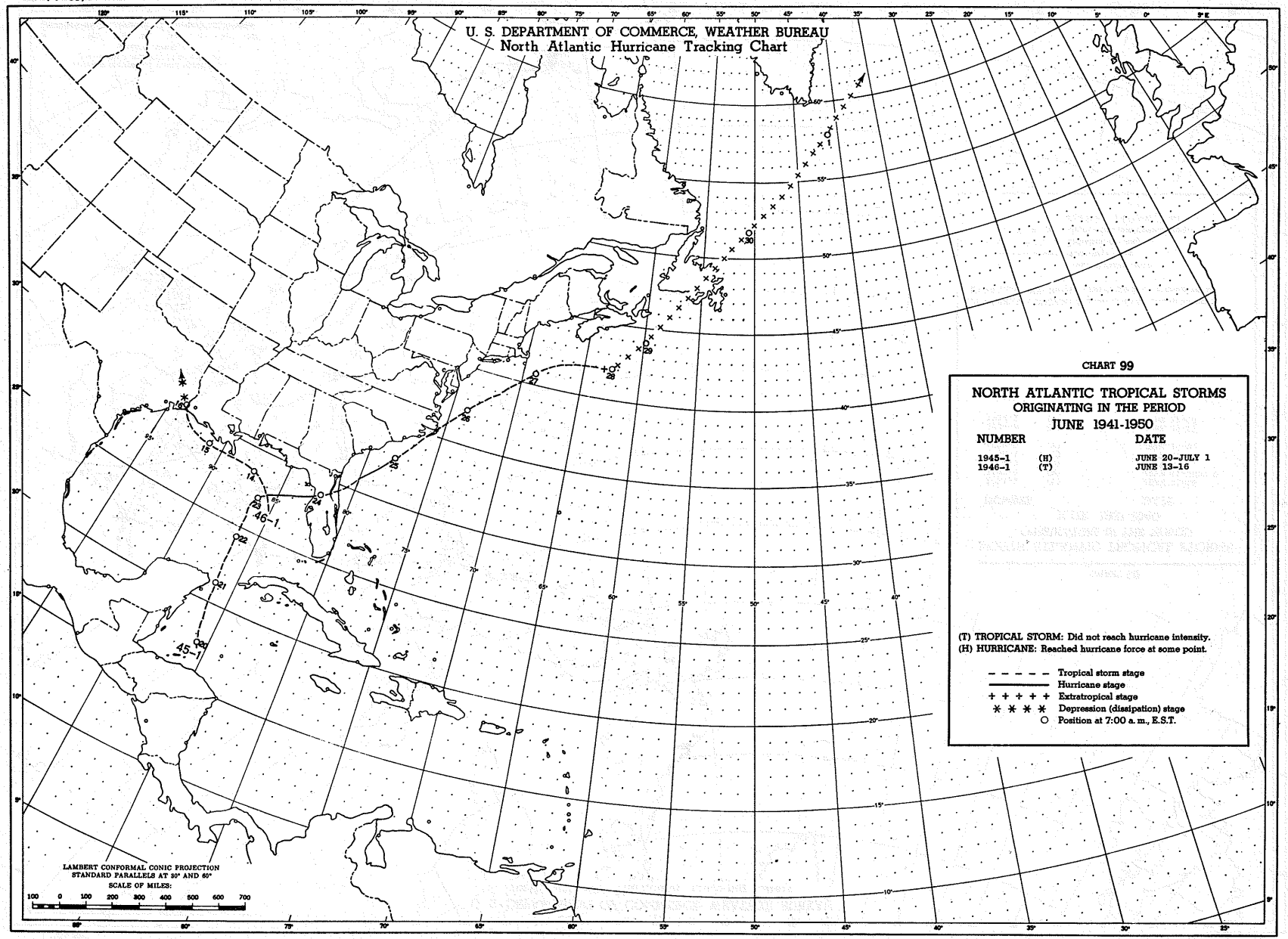
## NORTH ATLANTIC TROPICAL STORMS
### ORIGINATING IN THE PERIOD
### JUNE 1931-1940

| NUMBER | | DATE |
|---|---|---|
| 1931-1 | (T) | JUNE 24-28 |
| 1933-2 | (H) | JUNE 27-JULY 6 |
| 1934-2 | (H) | JUNE 4-21 |
| 1936-1 | (T) | JUNE 12-16 |
| 1936-2 | (T) | JUNE 19-21 |
| 1936-3 | (H) | JUNE 26-27 |
| 1939-1 | (T) | JUNE 12-16 |

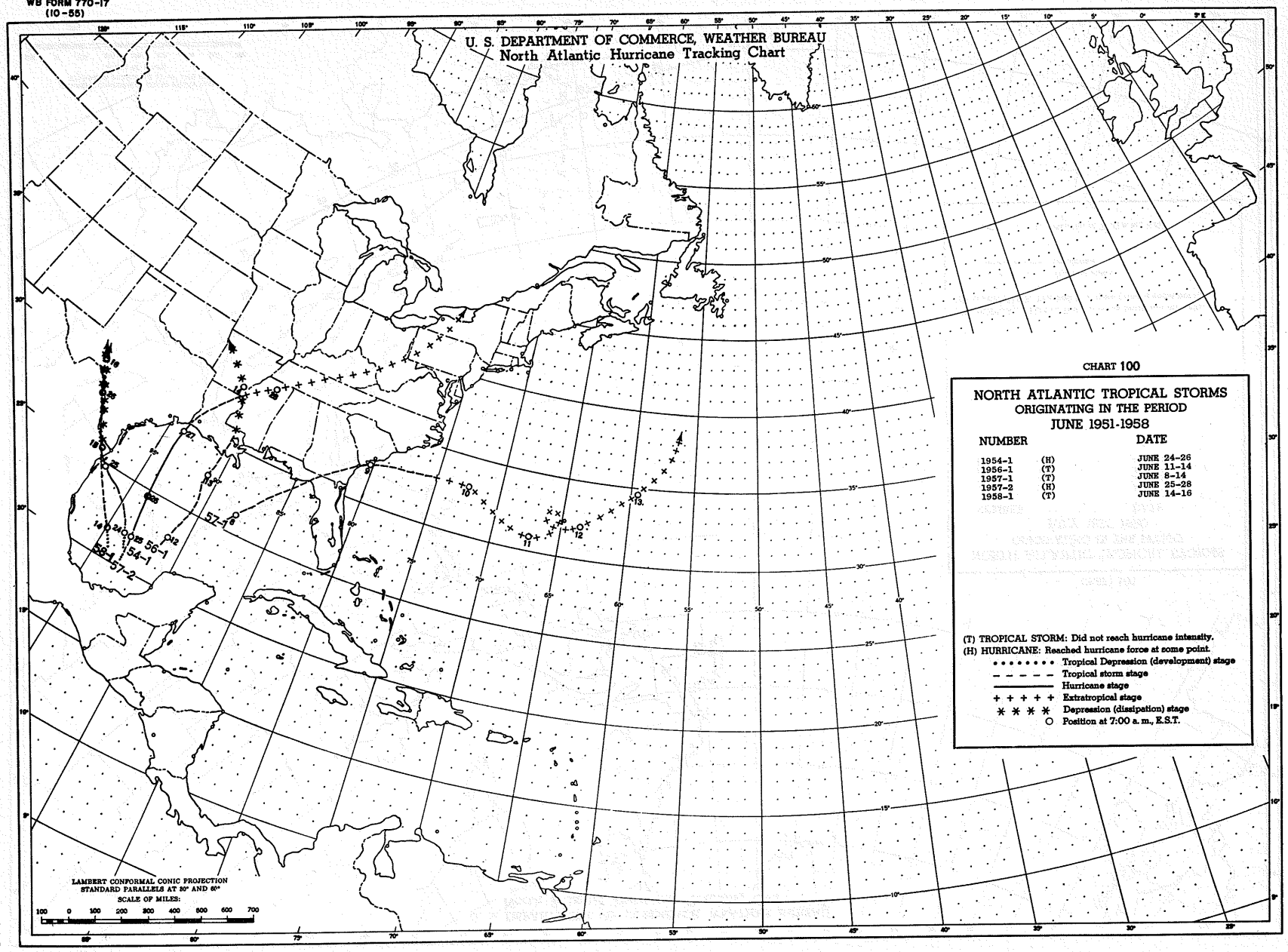
(T) TROPICAL STORM: Did not reach hurricane intensity.
(H) HURRICANE: Reached hurricane force at some point.

- – – – – Tropical storm stage
- ——— Hurricane stage
- + + + + + Extratropical stage
- * * * * Depression (dissipation) stage
- ○ Position at 7:00 a. m., E.S.T.

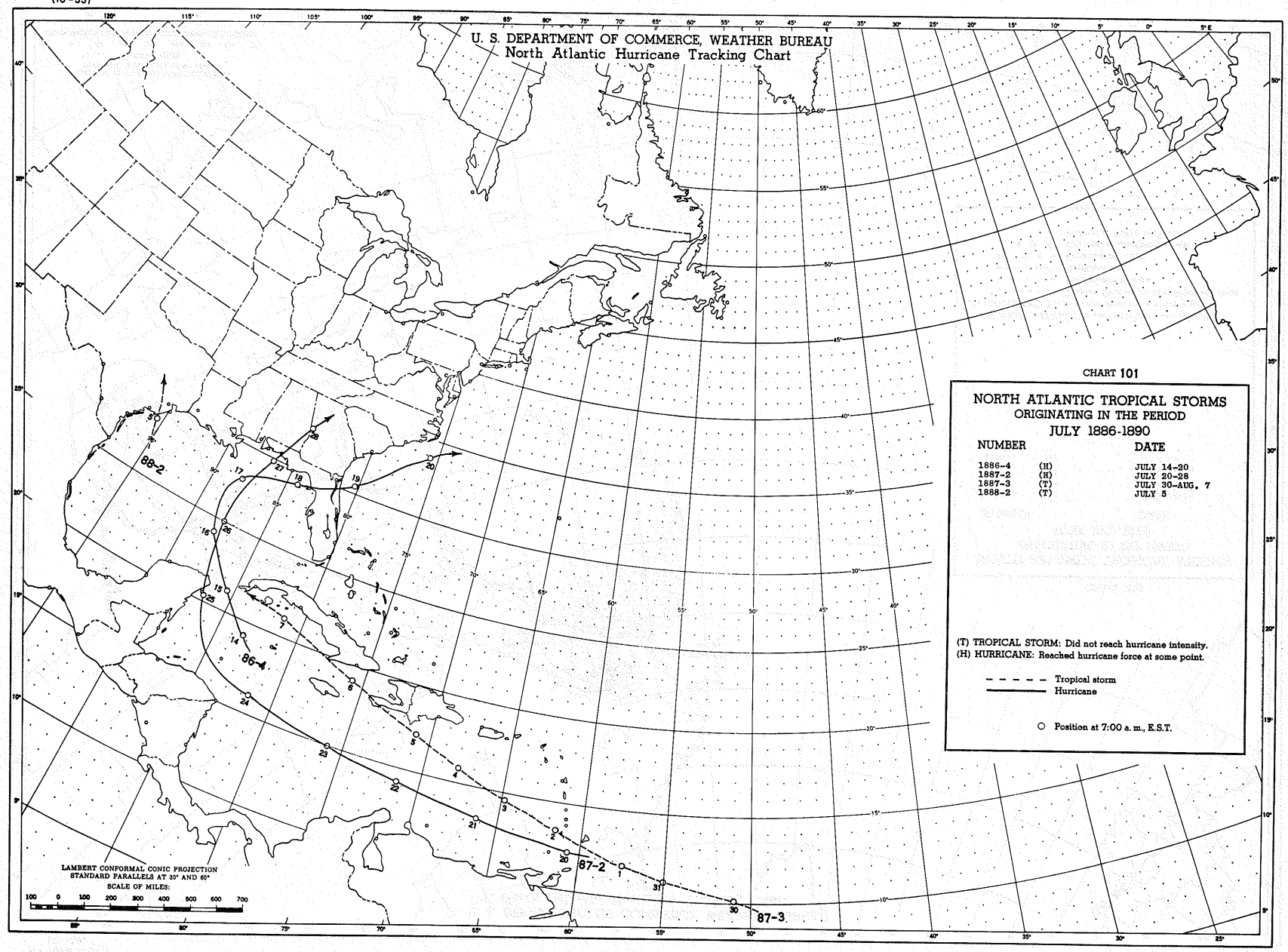
WB FORM 770-17
(10-55)



WB FORM 770-17
(10-55)



WB FORM 770-17
(10-55)



WB FORM 770-17
(10-55)

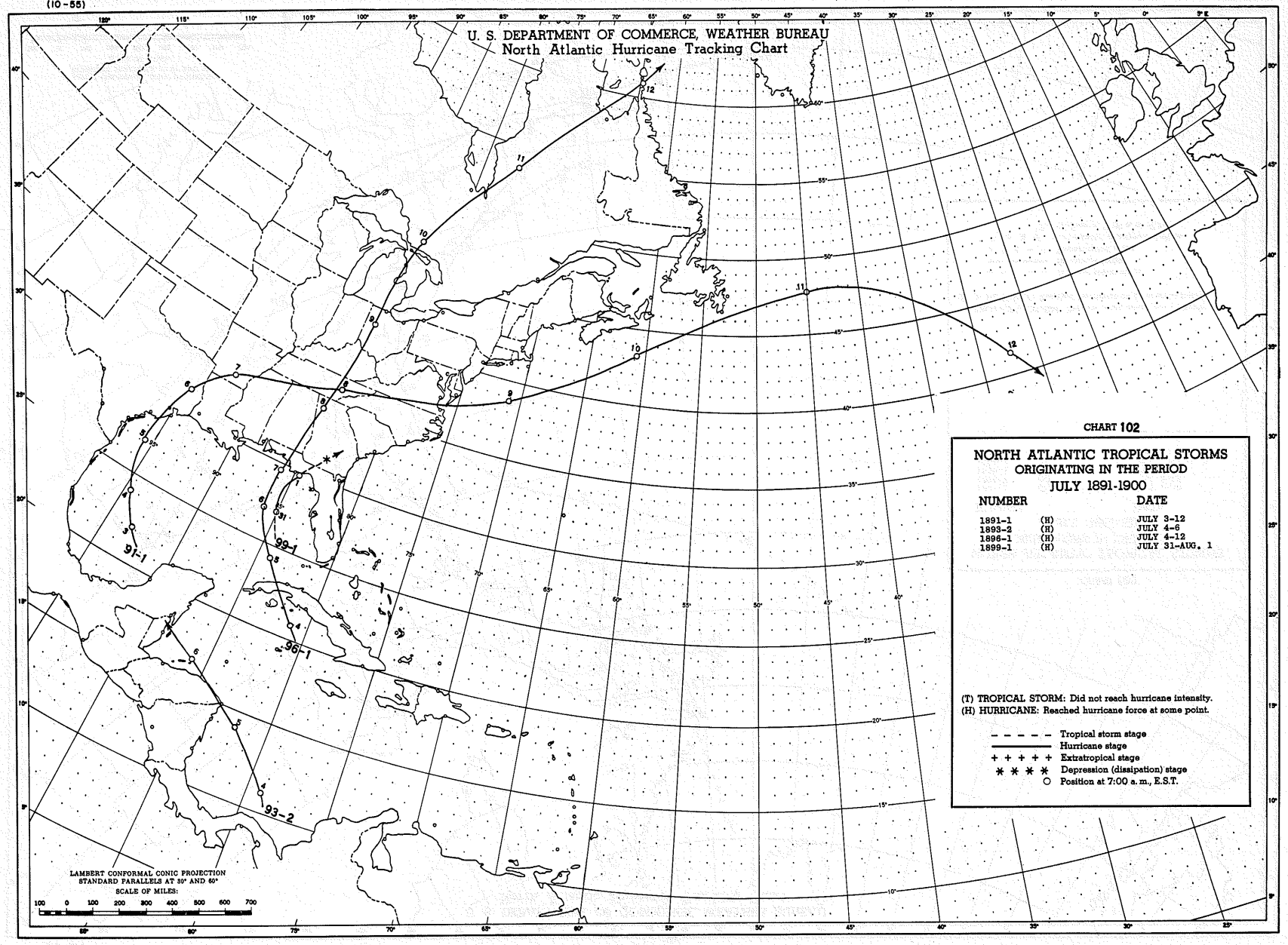



CHART 102

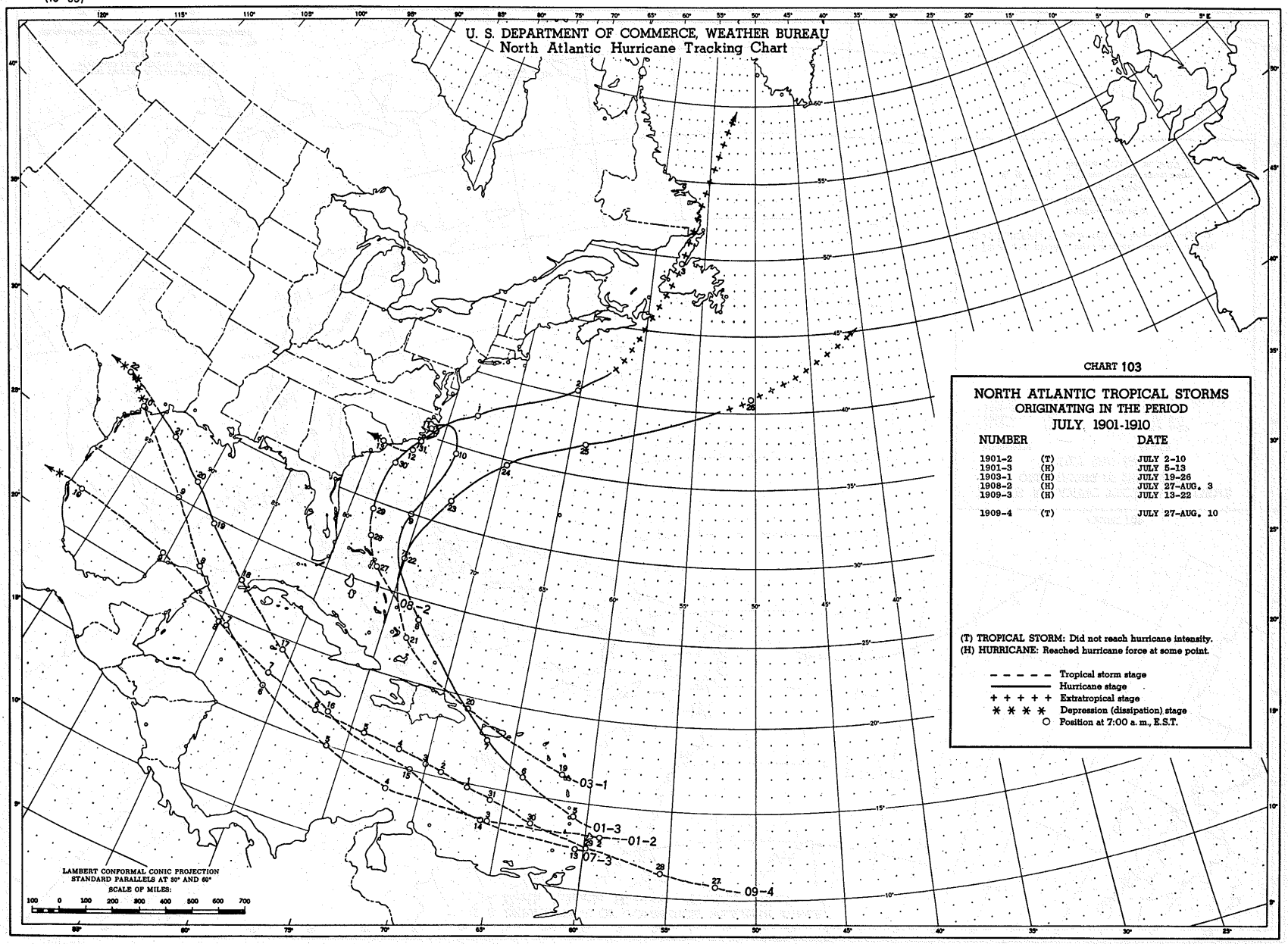
## NORTH ATLANTIC TROPICAL STORMS
### ORIGINATING IN THE PERIOD
### JULY 1891-1900

| NUMBER | | DATE |
|---|---|---|
| 1891-1 | (H) | JULY 3-12 |
| 1893-2 | (H) | JULY 4-6 |
| 1896-1 | (H) | JULY 4-12 |
| 1899-1 | (H) | JULY 31-AUG. 1 |

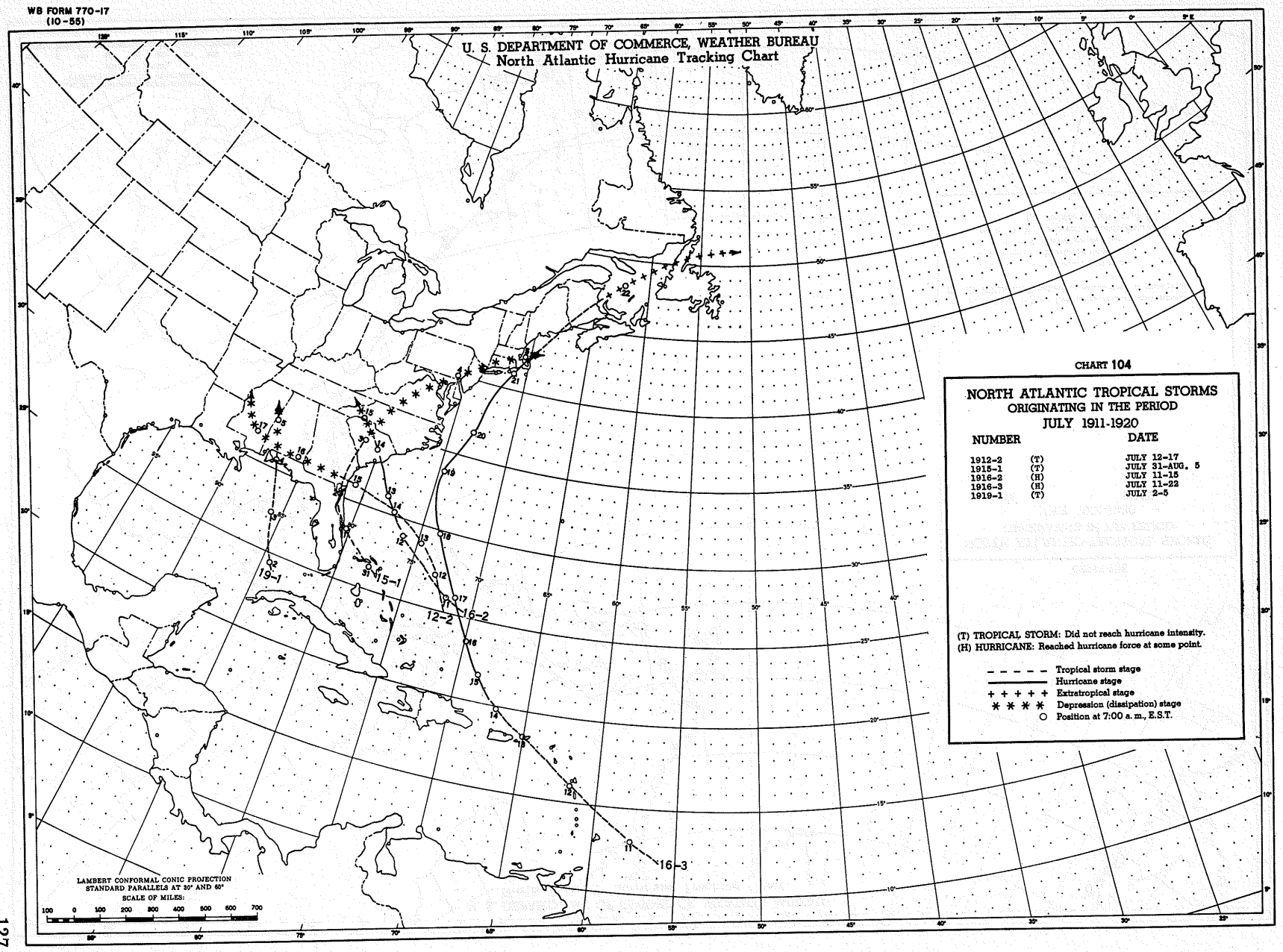
(T) TROPICAL STORM: Did not reach hurricane intensity.
(H) HURRICANE: Reached hurricane force at some point.

- – – – – Tropical storm stage
——— Hurricane stage
+ + + + + Extratropical stage
* * * * Depression (dissipation) stage
○ Position at 7:00 a. m., E.S.T.

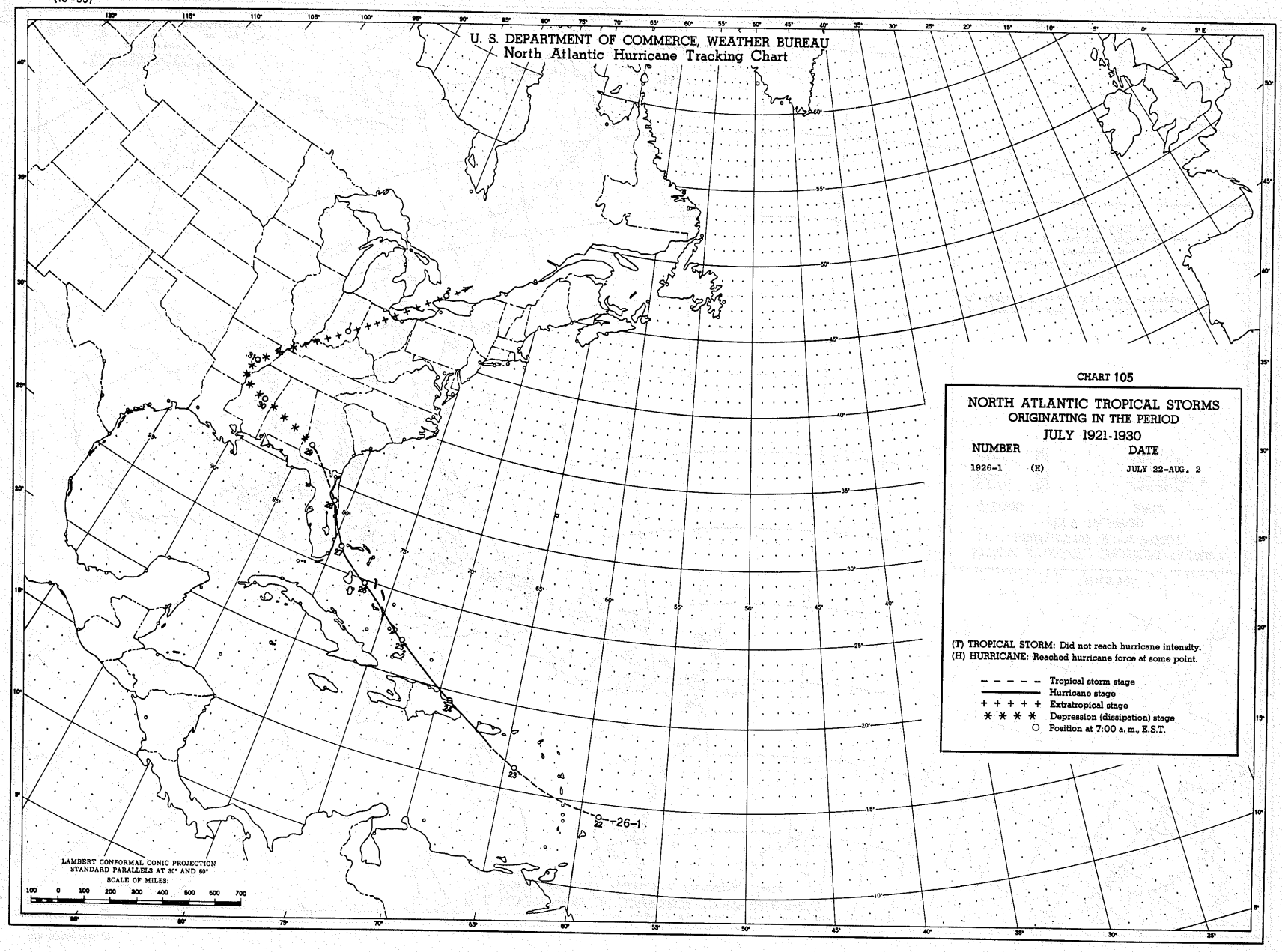
WB FORM 770-17
(10-55)



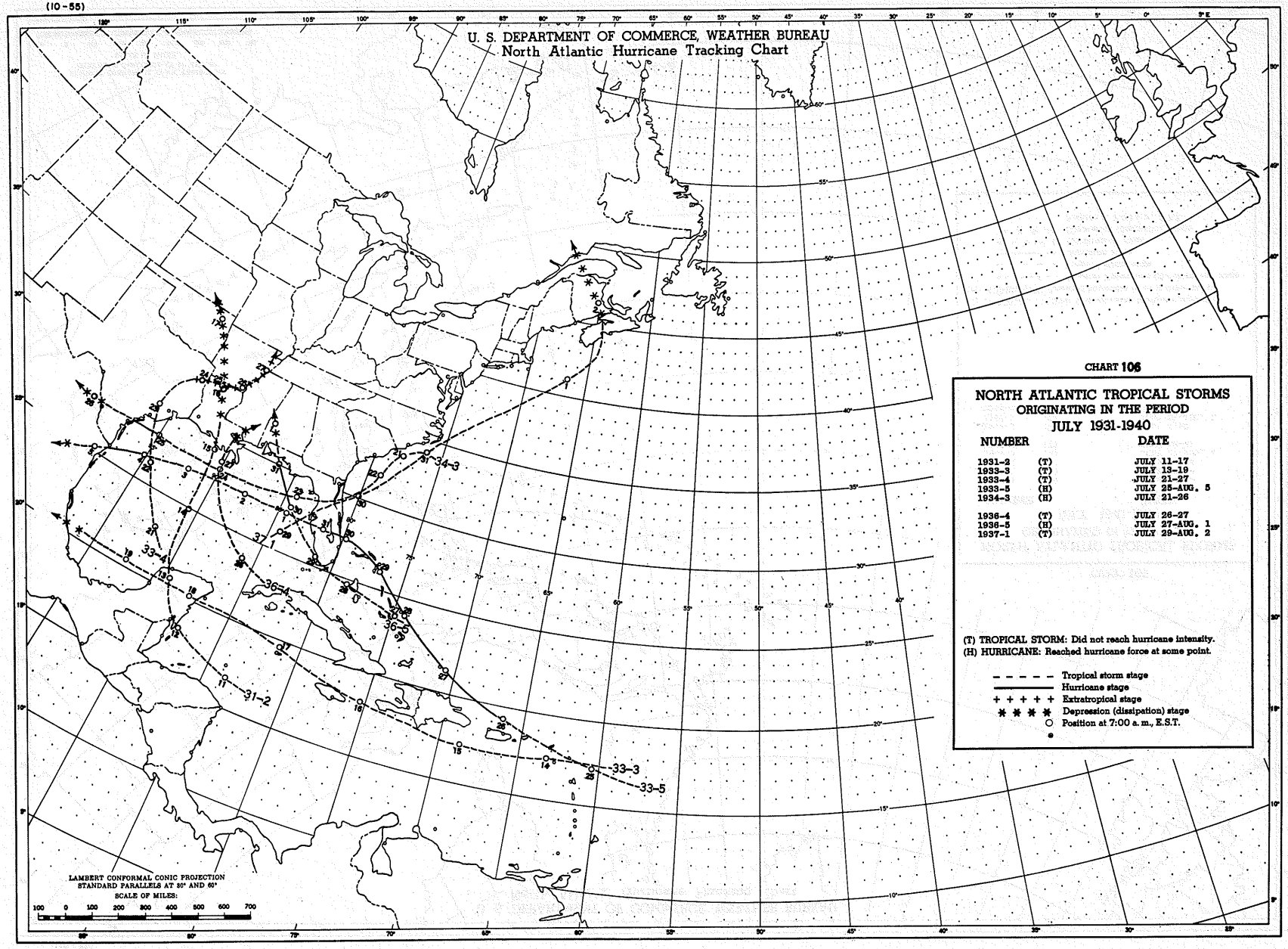
WB FORM 770-17
(10-55)



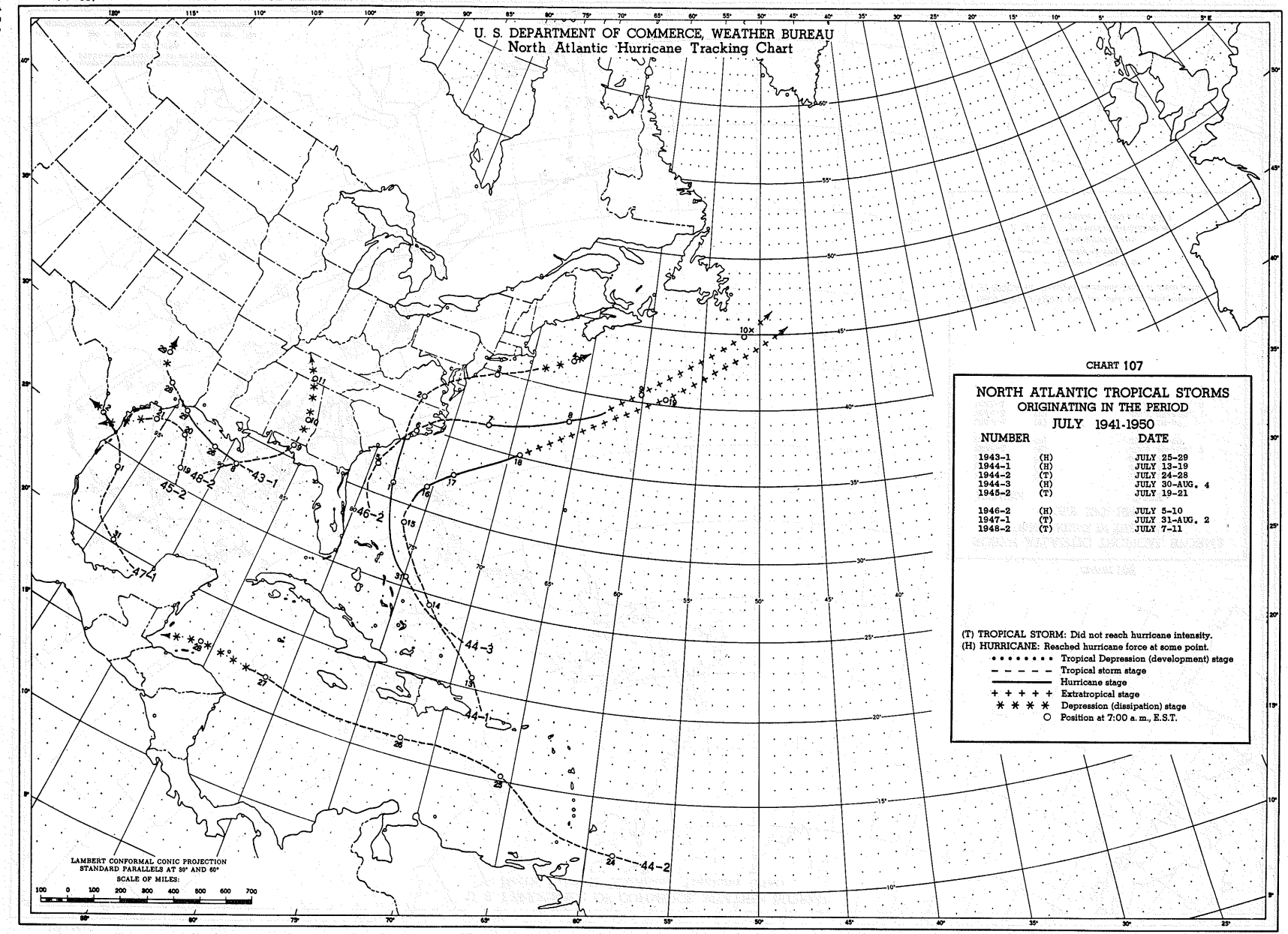
WB FORM 770-17
(10-55)



WB FORM 770-17
(10-55)



WB FORM 770-17
(10-55)



WB FORM 770-17
(10-55)

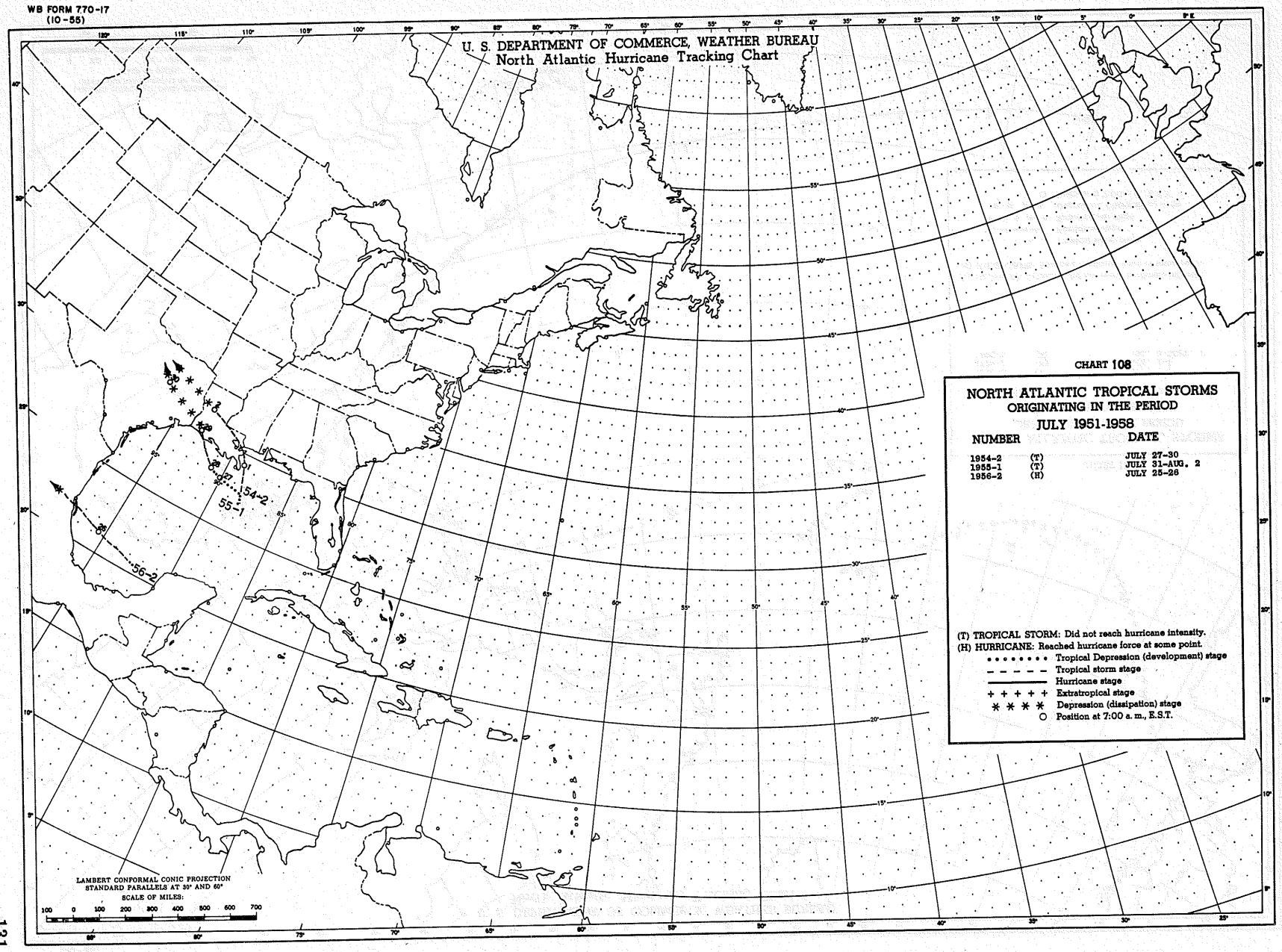



CHART 108

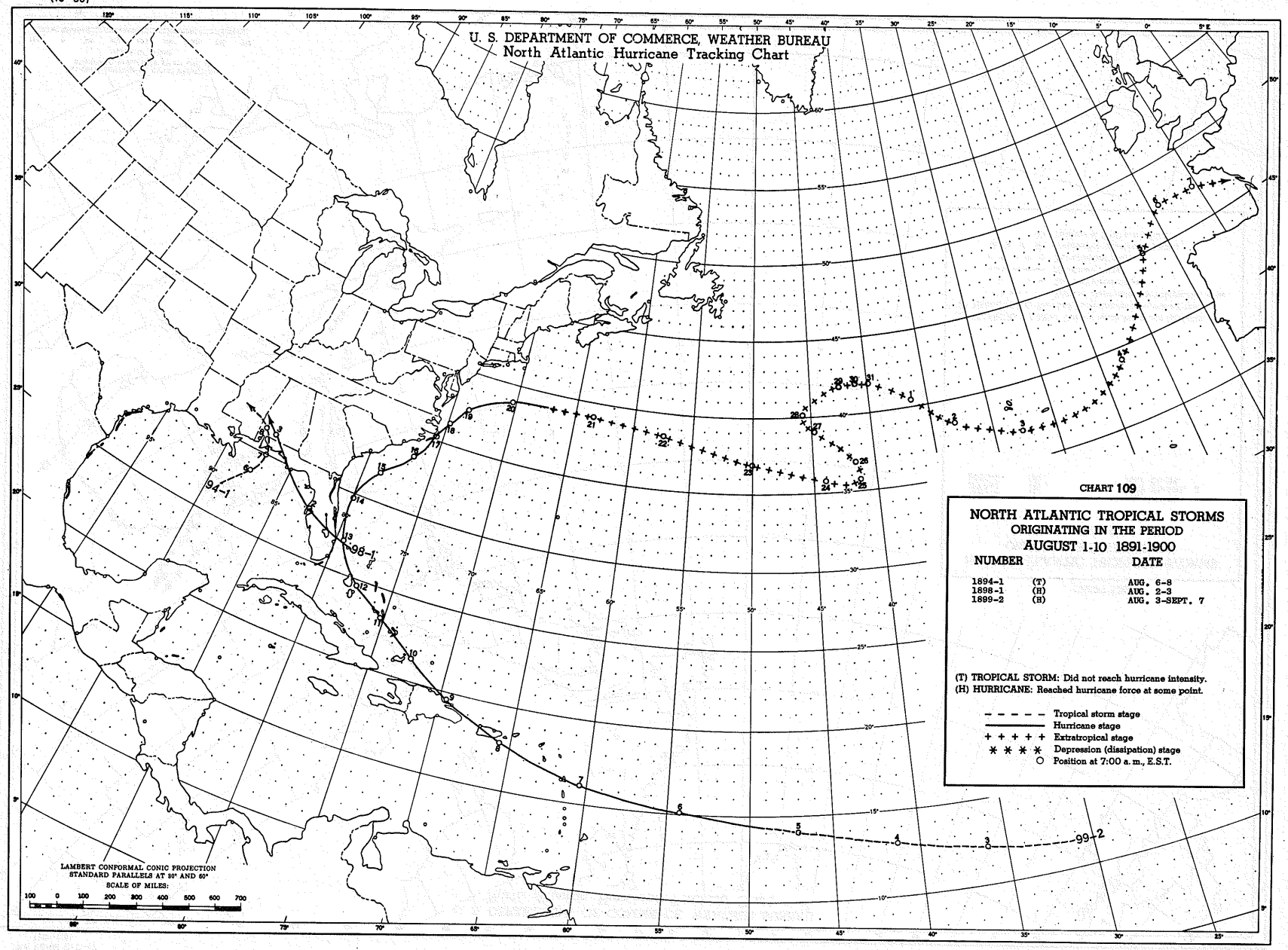
## NORTH ATLANTIC TROPICAL STORMS
### ORIGINATING IN THE PERIOD
### JULY 1951-1958

| NUMBER | | DATE |
|---|---|---|
| 1954-2 | (T) | JULY 27-30 |
| 1955-1 | (T) | JULY 31-AUG. 2 |
| 1956-2 | (H) | JULY 25-26 |

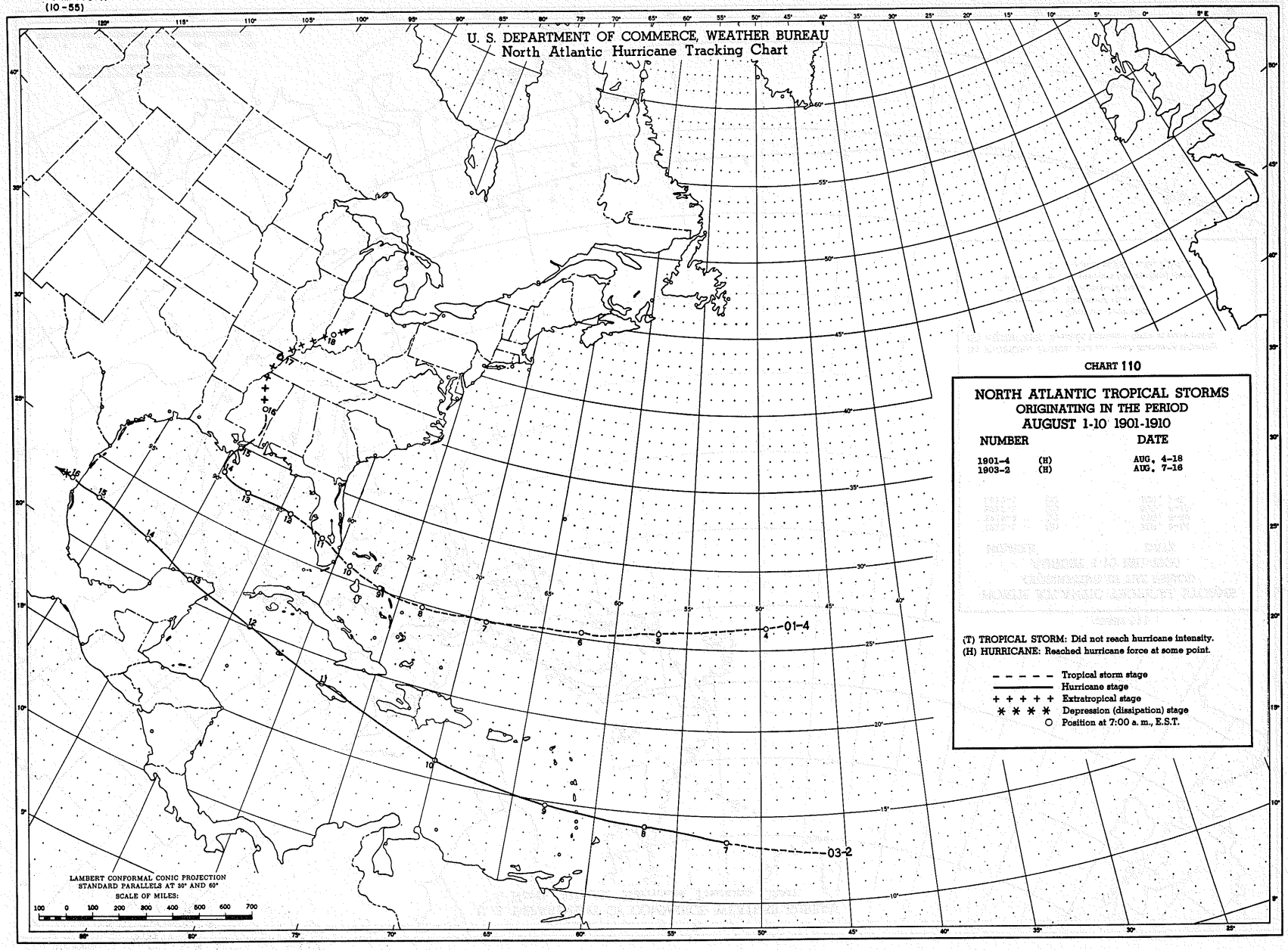
(T) TROPICAL STORM: Did not reach hurricane intensity.
(H) HURRICANE: Reached hurricane force at some point.

- • • • • • • • • Tropical Depression (development) stage
- – – – – – Tropical storm stage
- ——— Hurricane stage
- + + + + + Extratropical stage
- * * * * Depression (dissipation) stage
- O Position at 7:00 a. m., E.S.T.

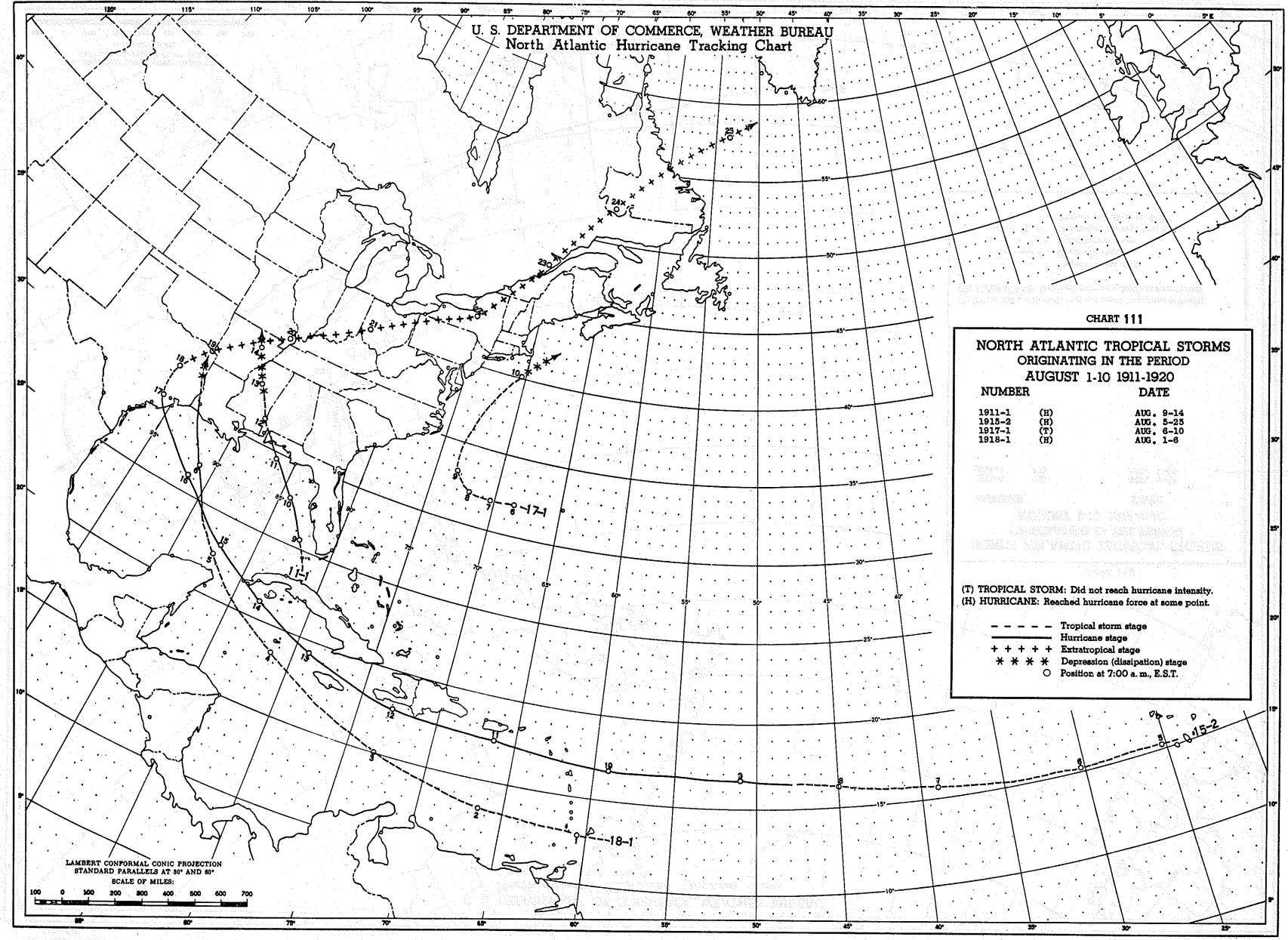
WB FORM 770-17
(10-55)



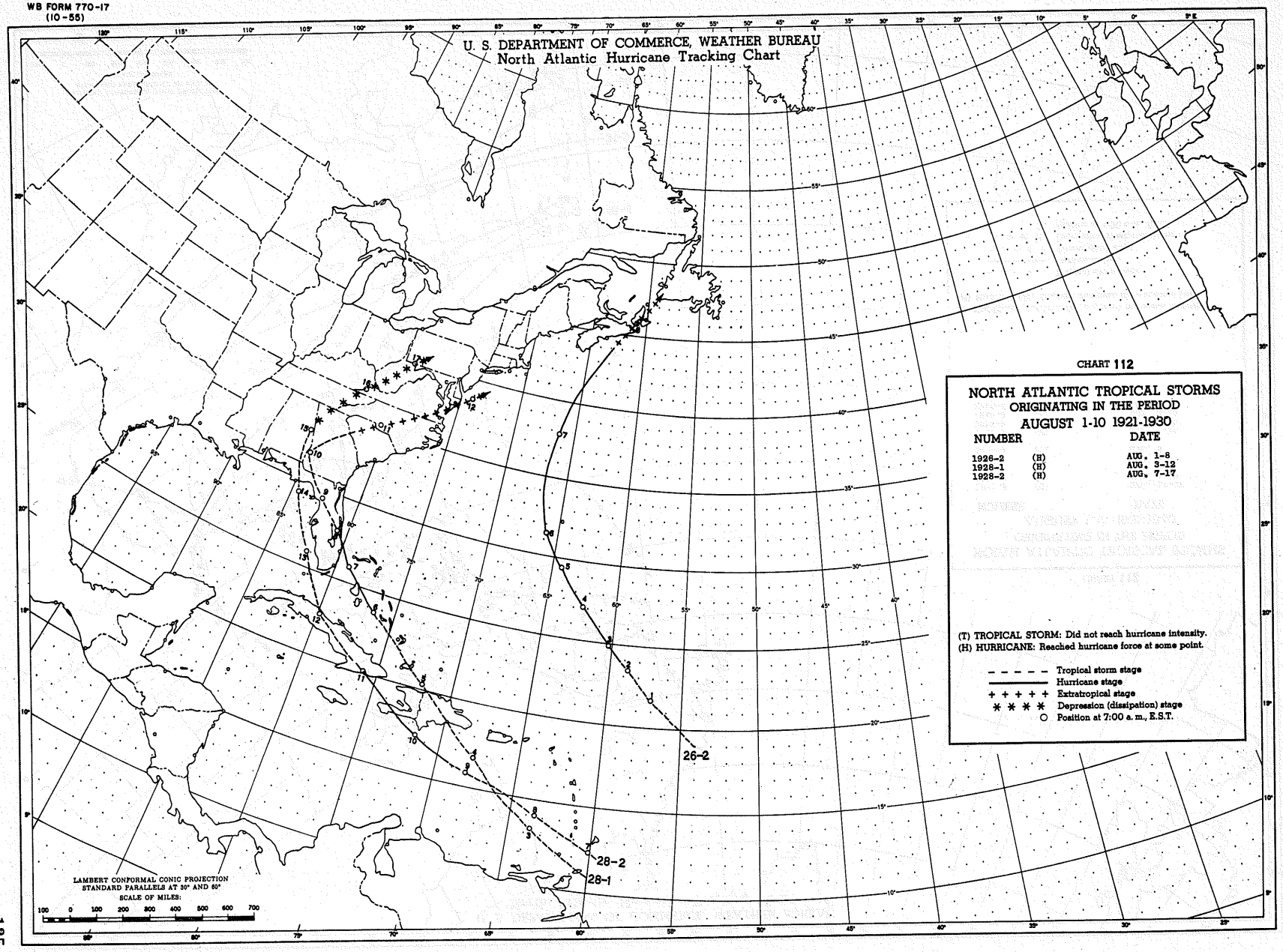
WB FORM 770-17
(10-55)



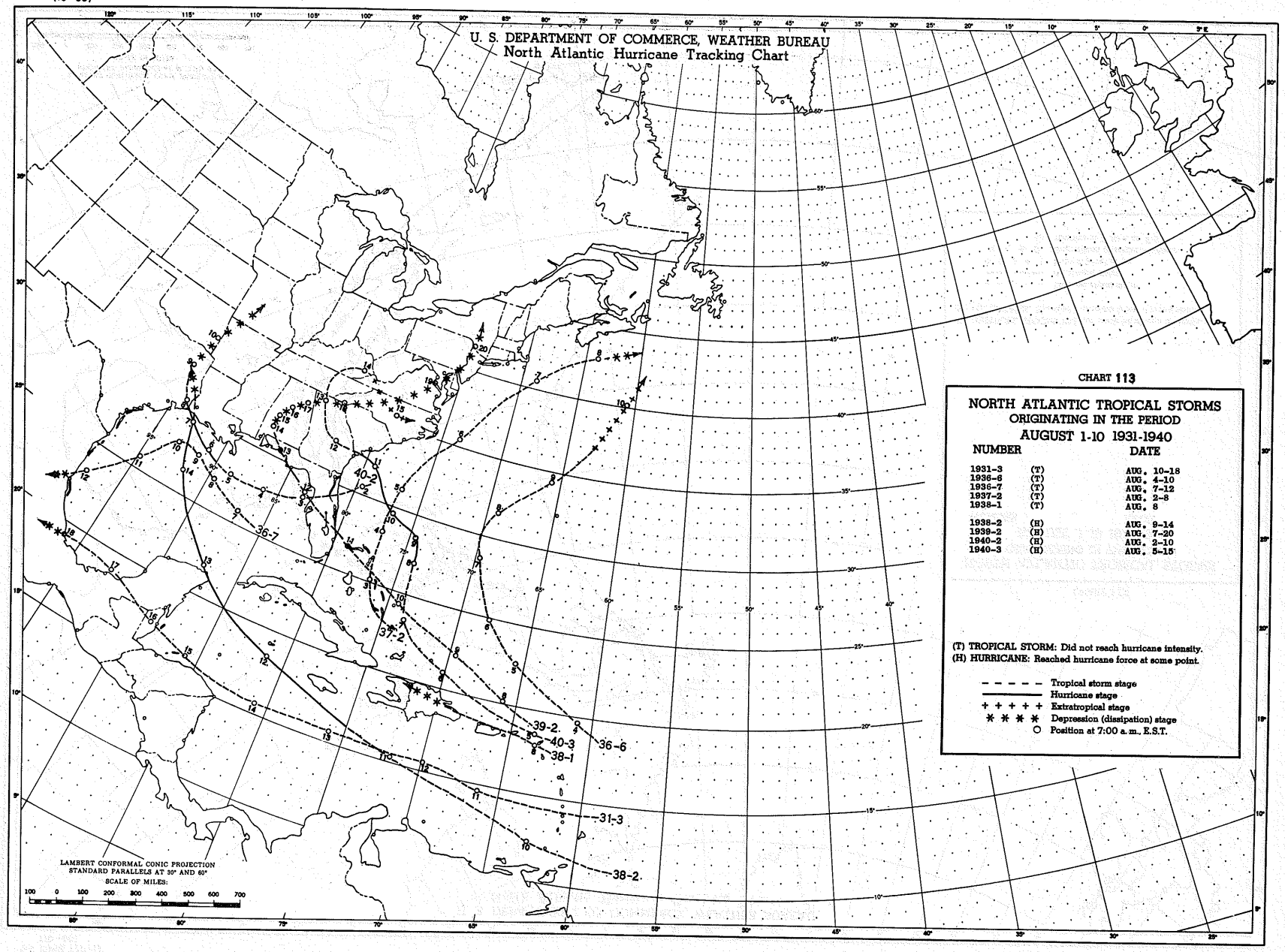
WB FORM 770-17
(10-55)



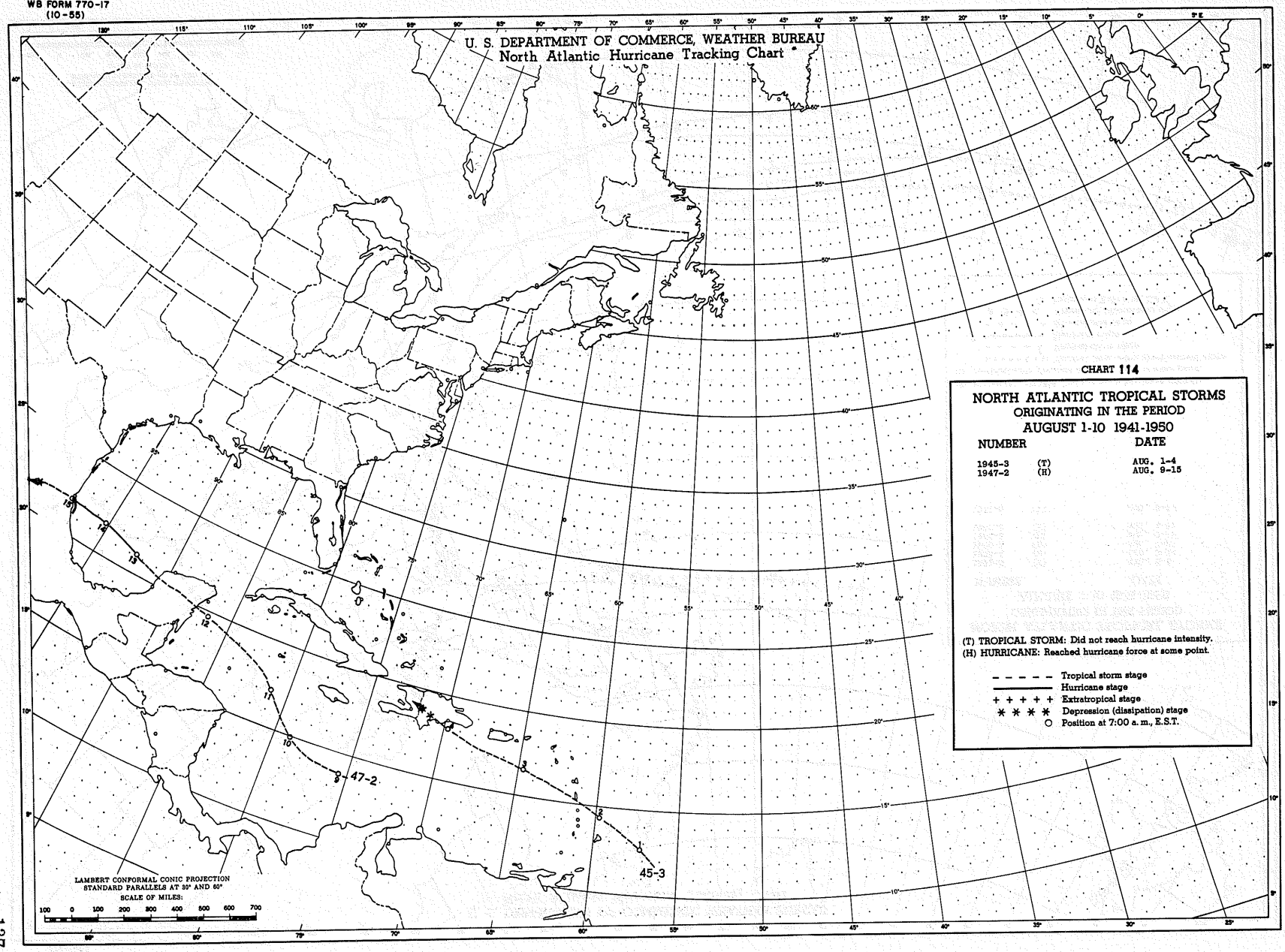
WB FORM 770-17
(10-55)



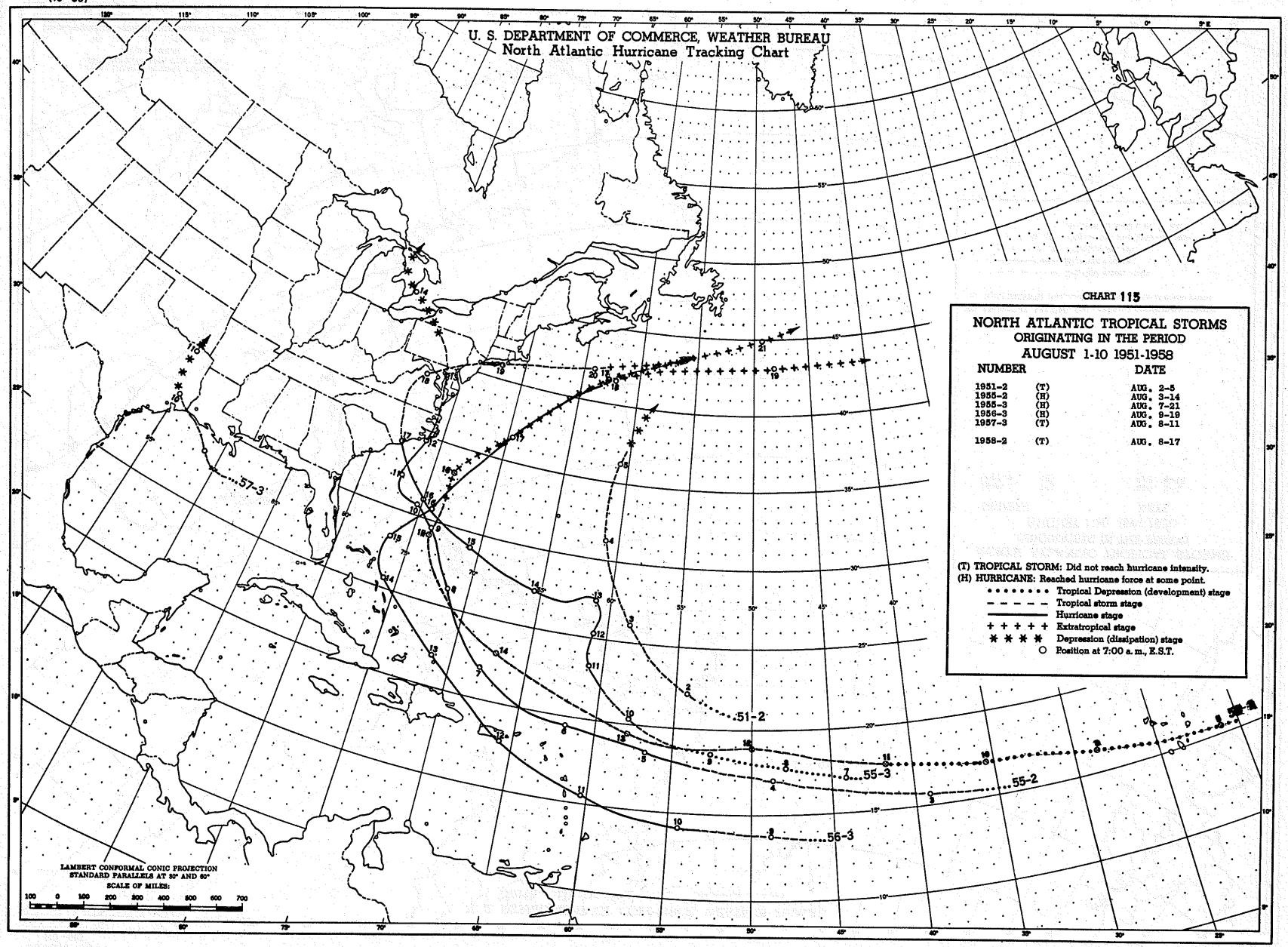
WB FORM 770-17
(10-55)



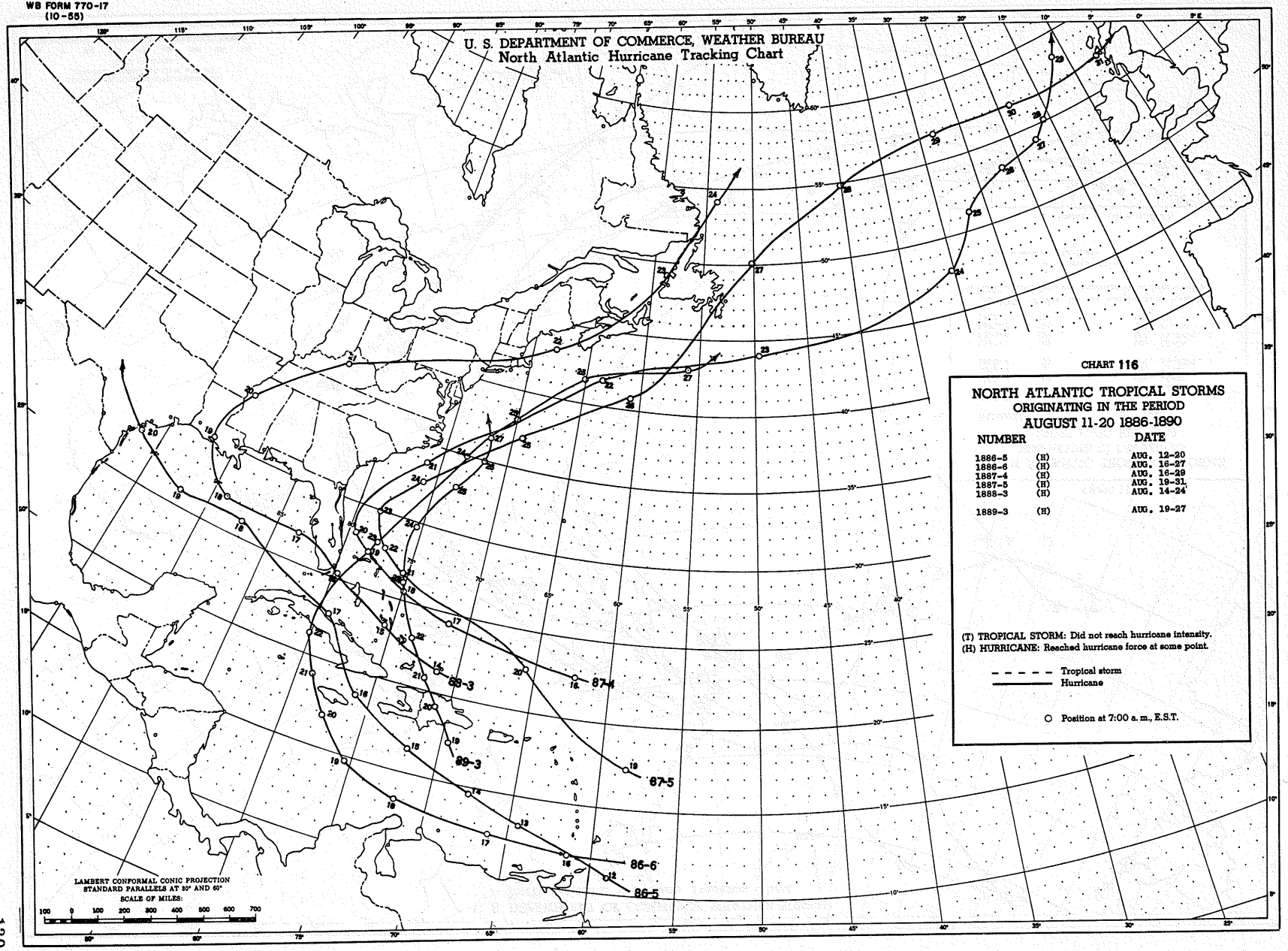
WB FORM 770-17
(10-55)



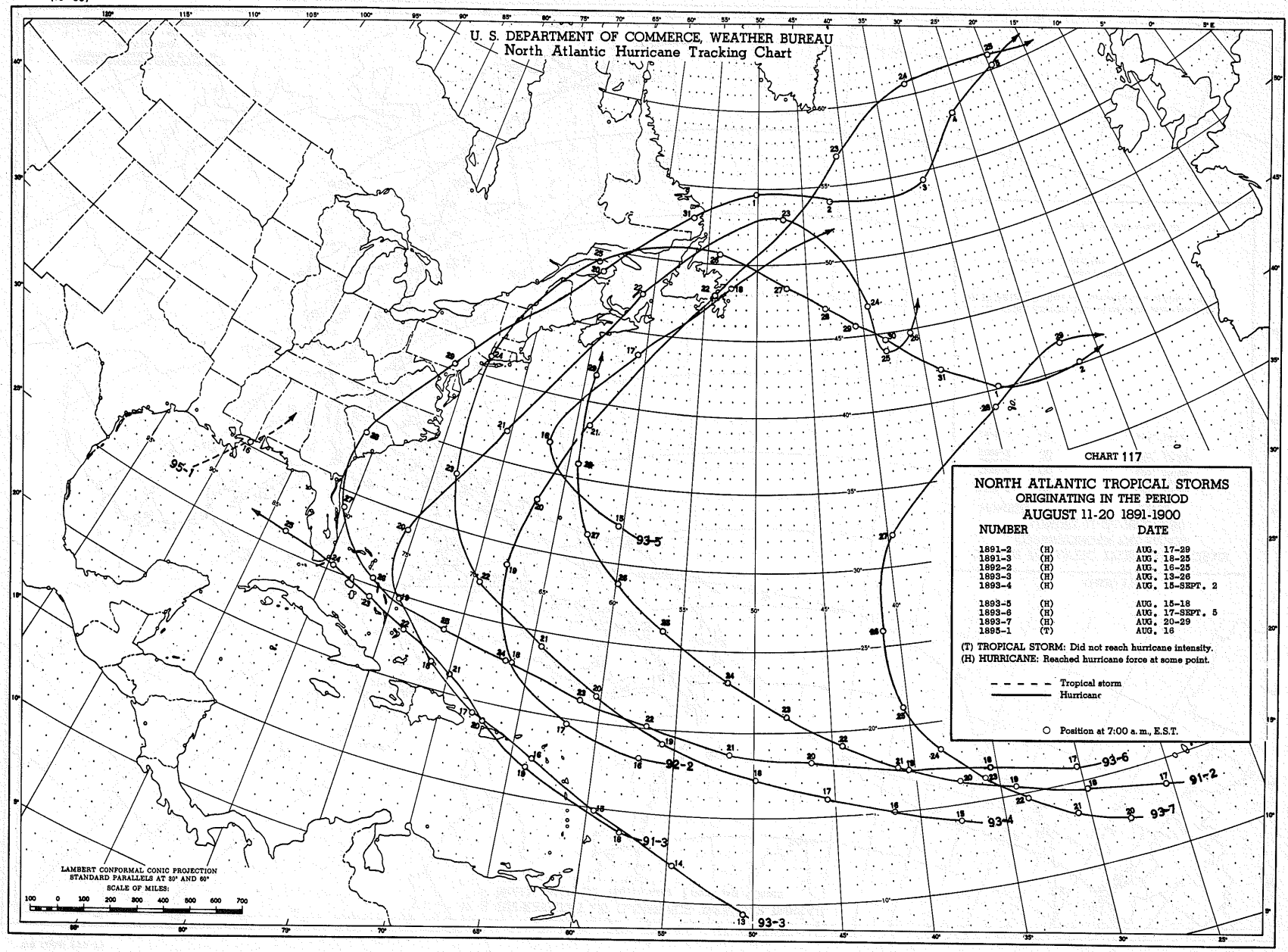
WB FORM 770-17
(10-55)



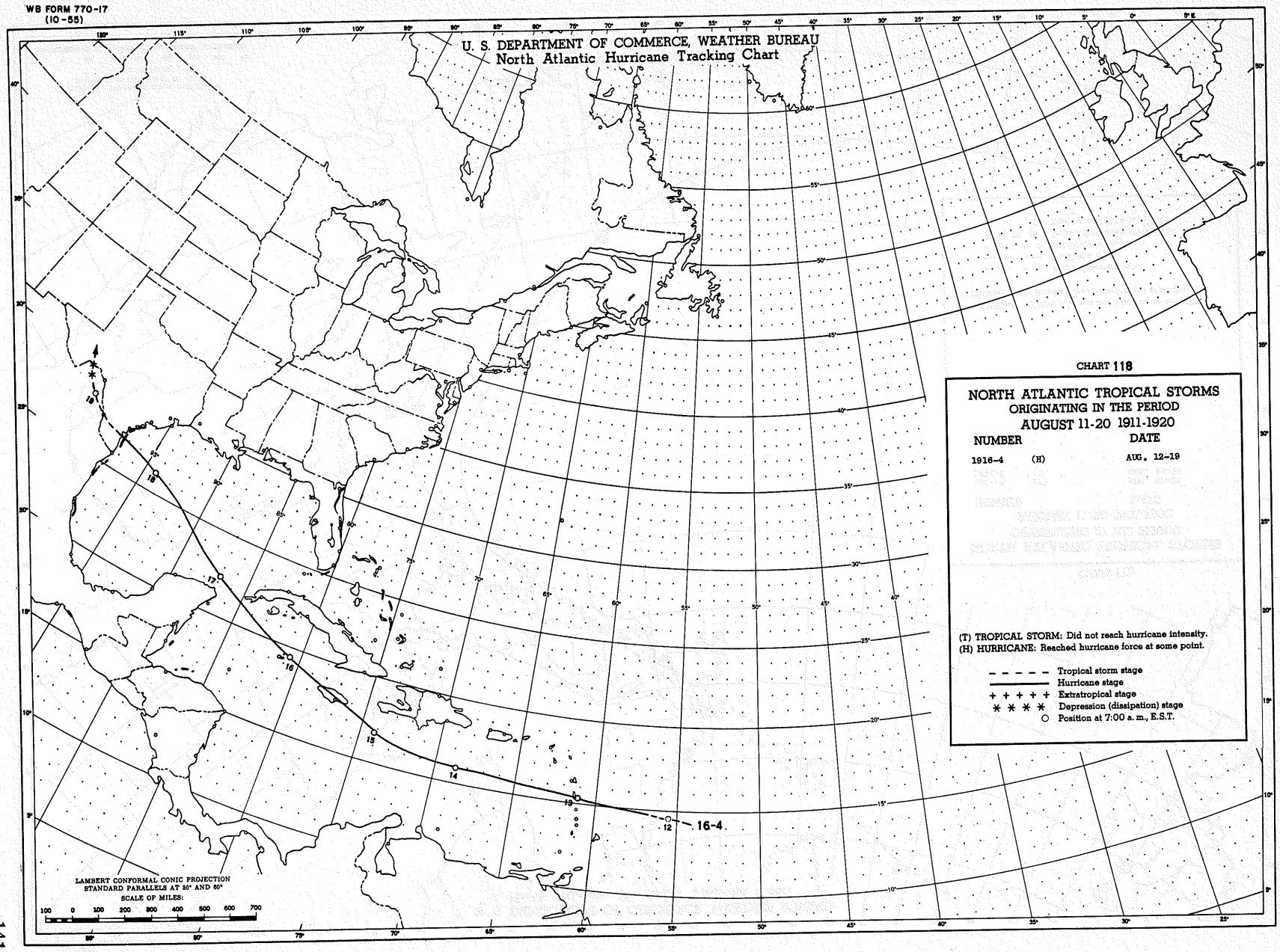
WB FORM 770-17
(10-55)



WB FORM 770-17
(10-55)



WB FORM 770-17
(10-55)



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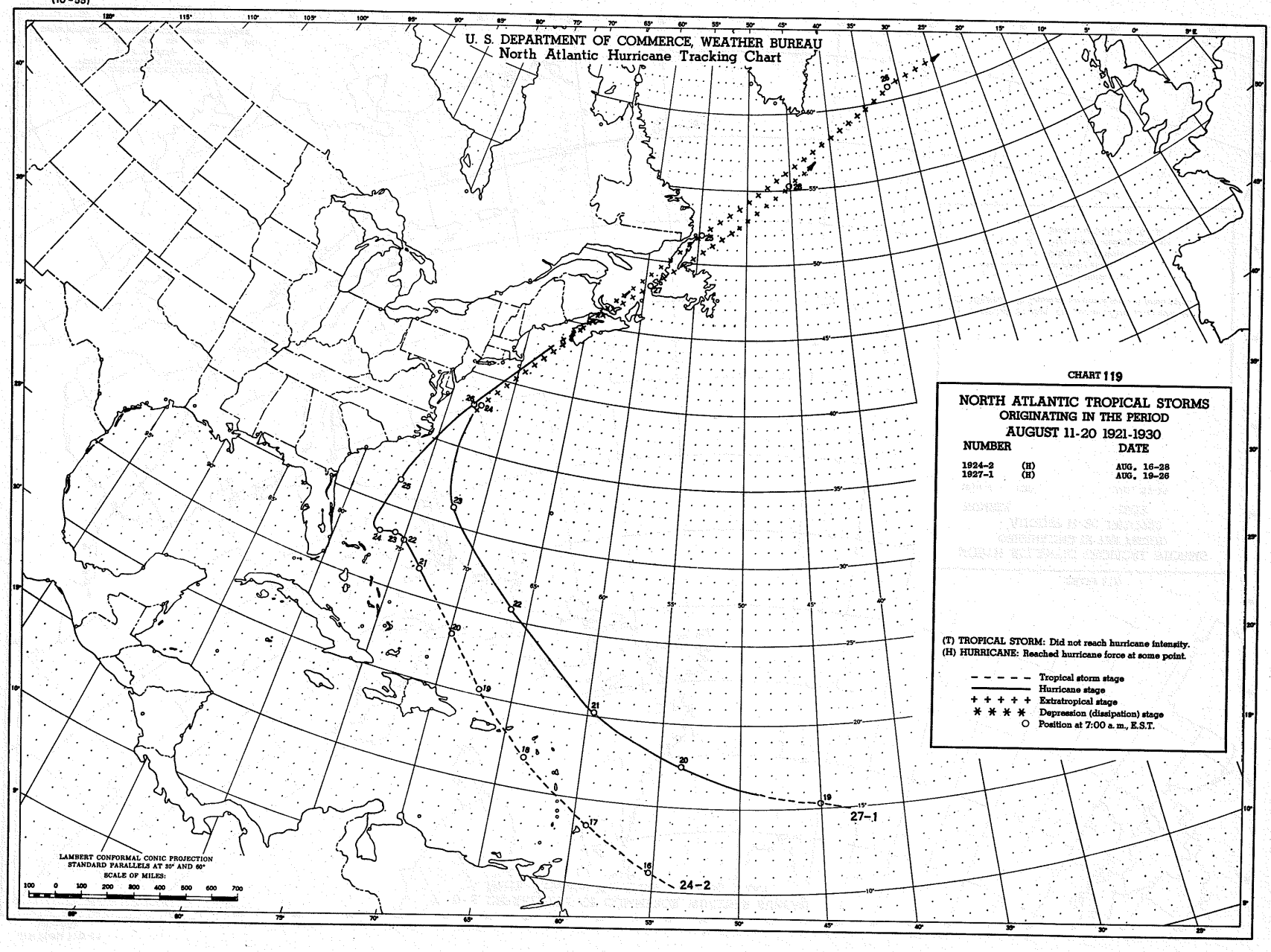
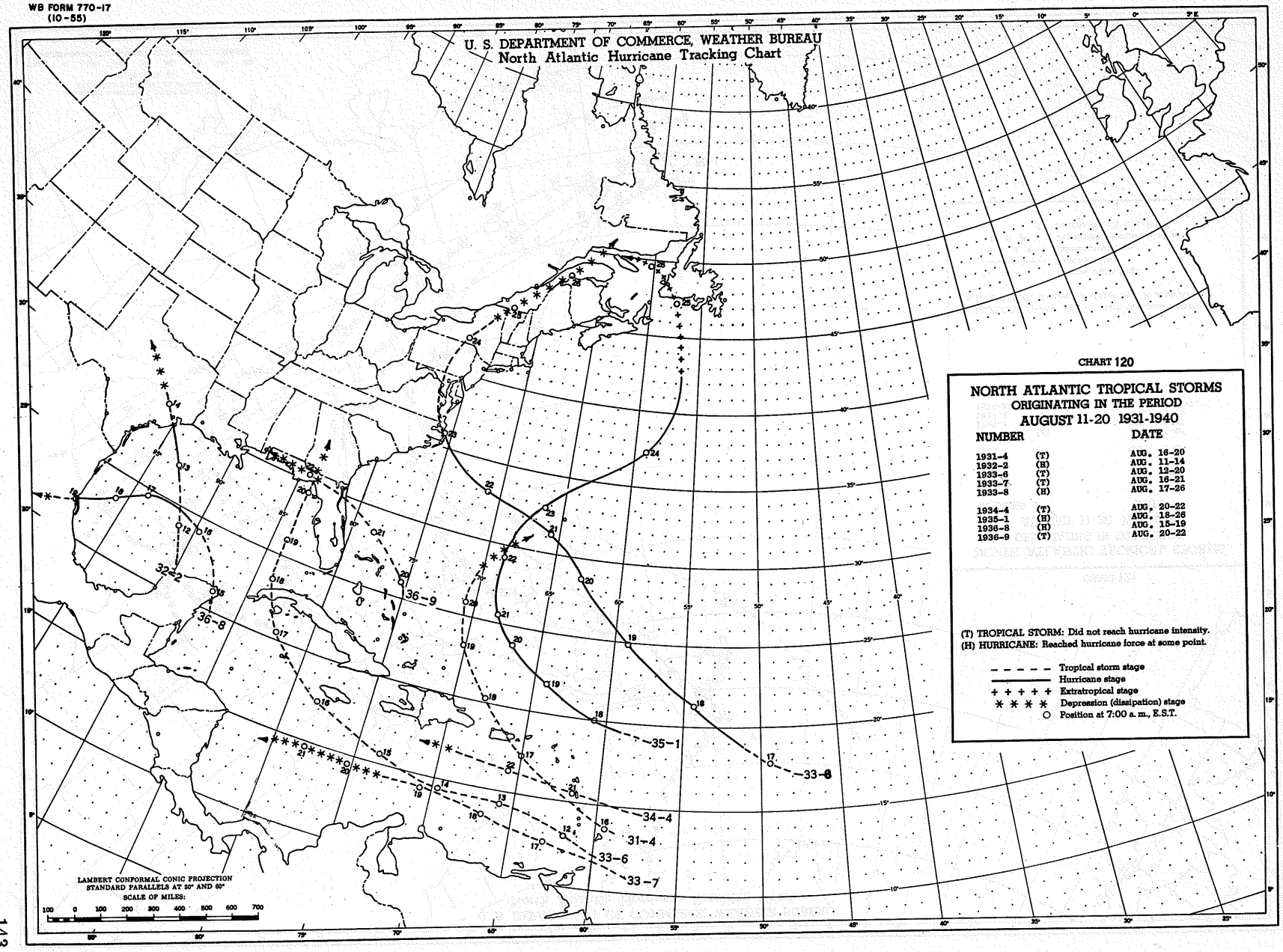
(10-55)



WB FORM 770-17
(10-55)



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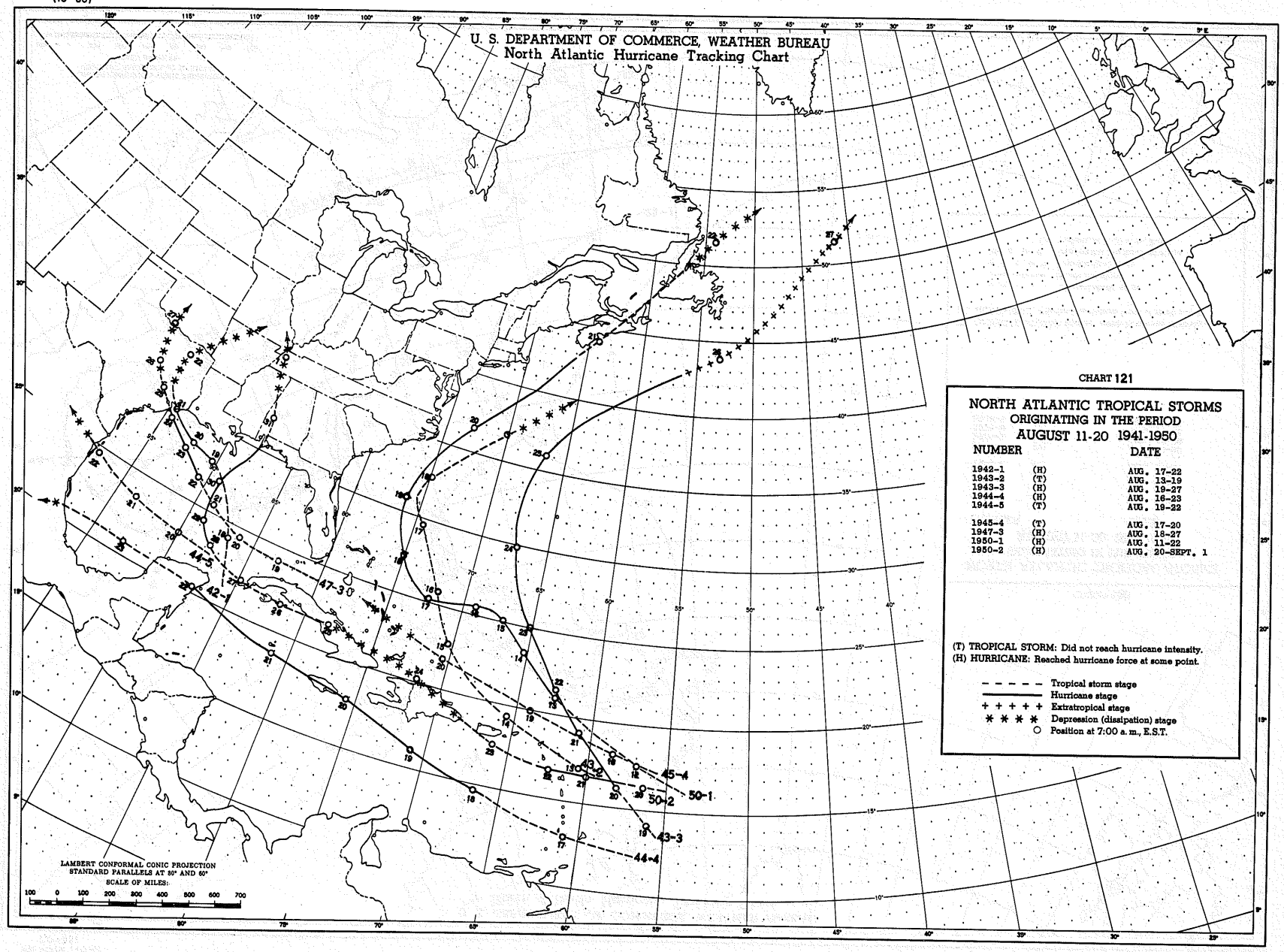
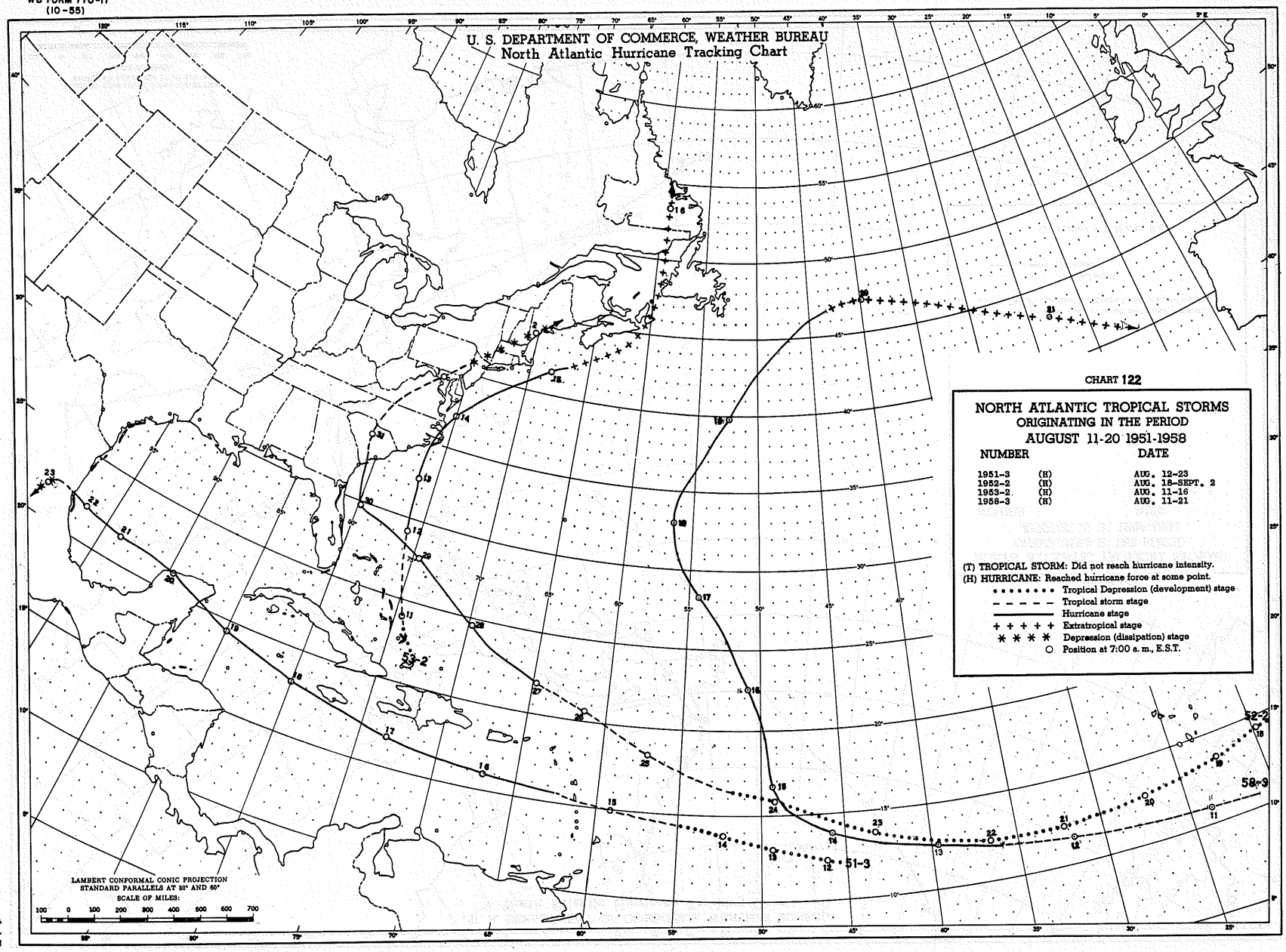
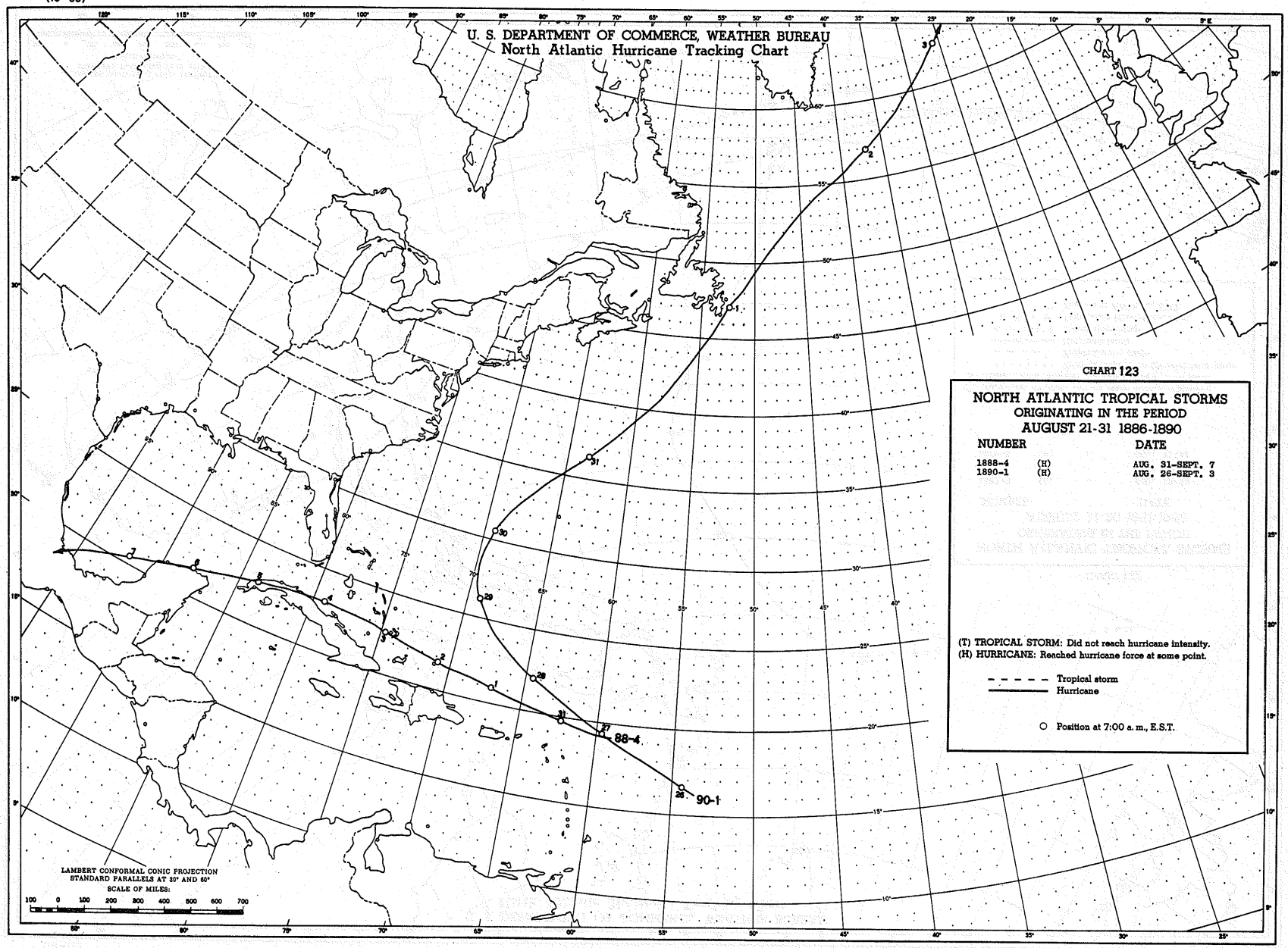
(10-55)



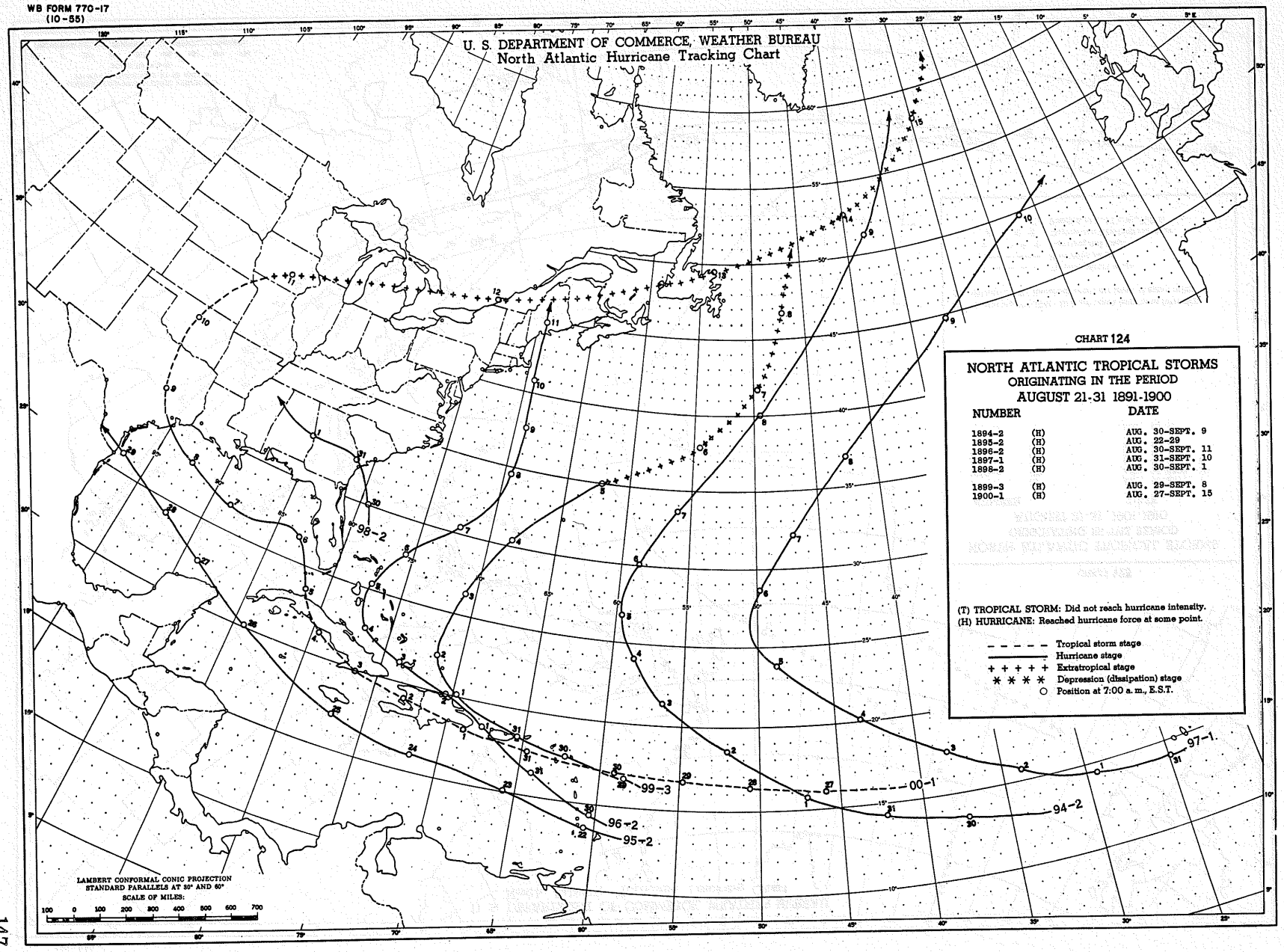
WB FORM 770-17
(10-55)



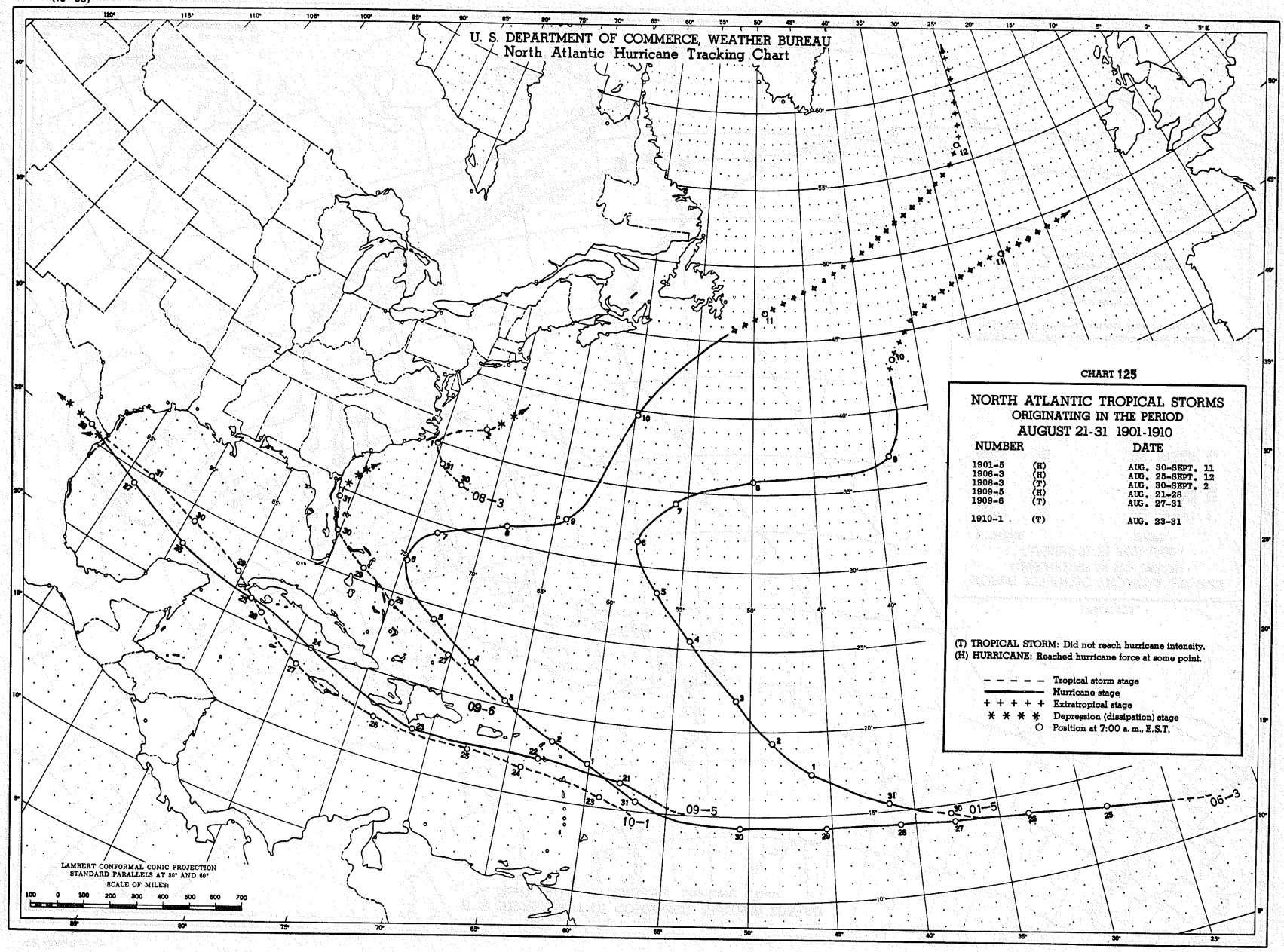
WB FORM 770-17
(10-55)



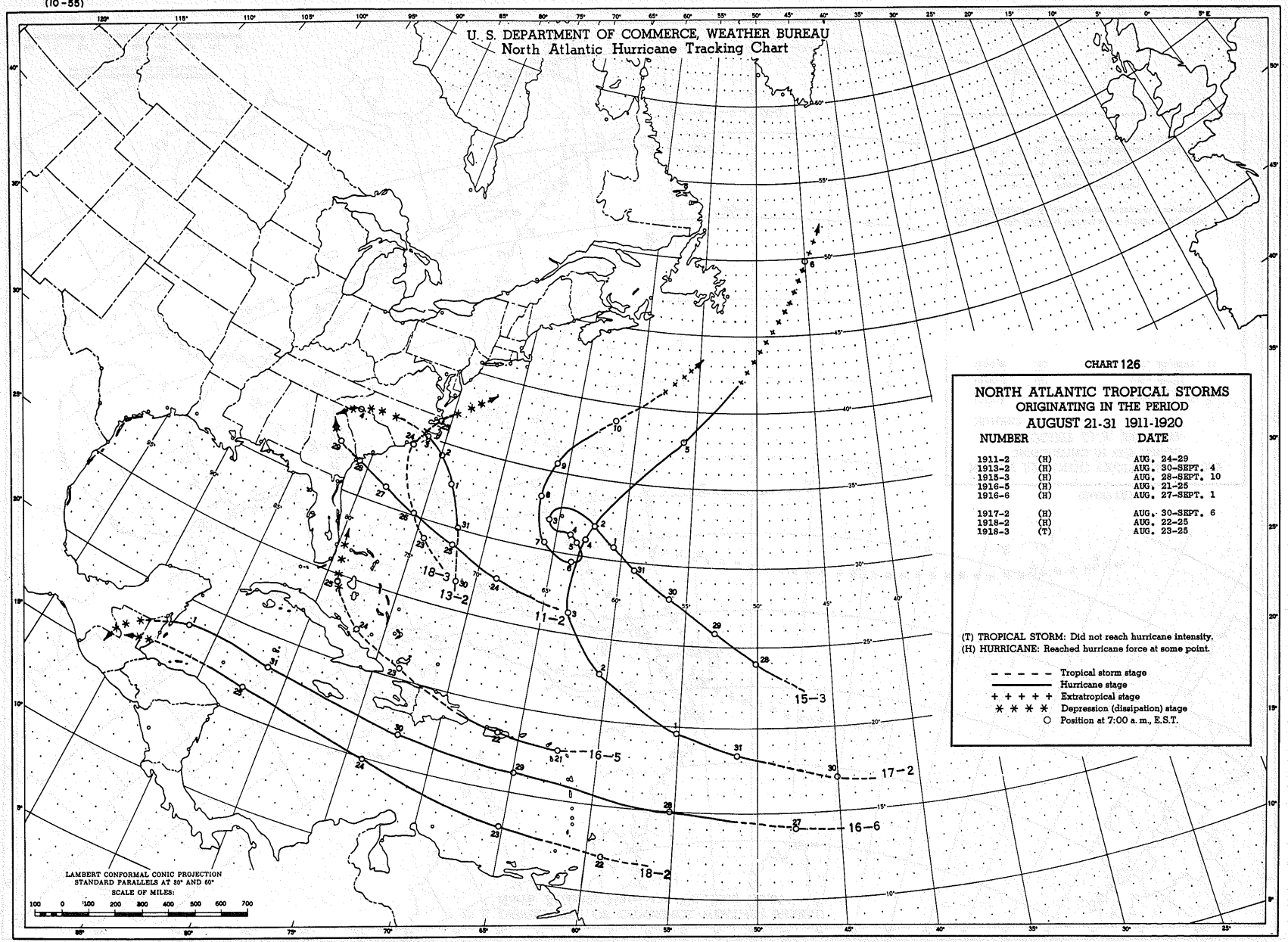
WB FORM 770-17
(10-55)



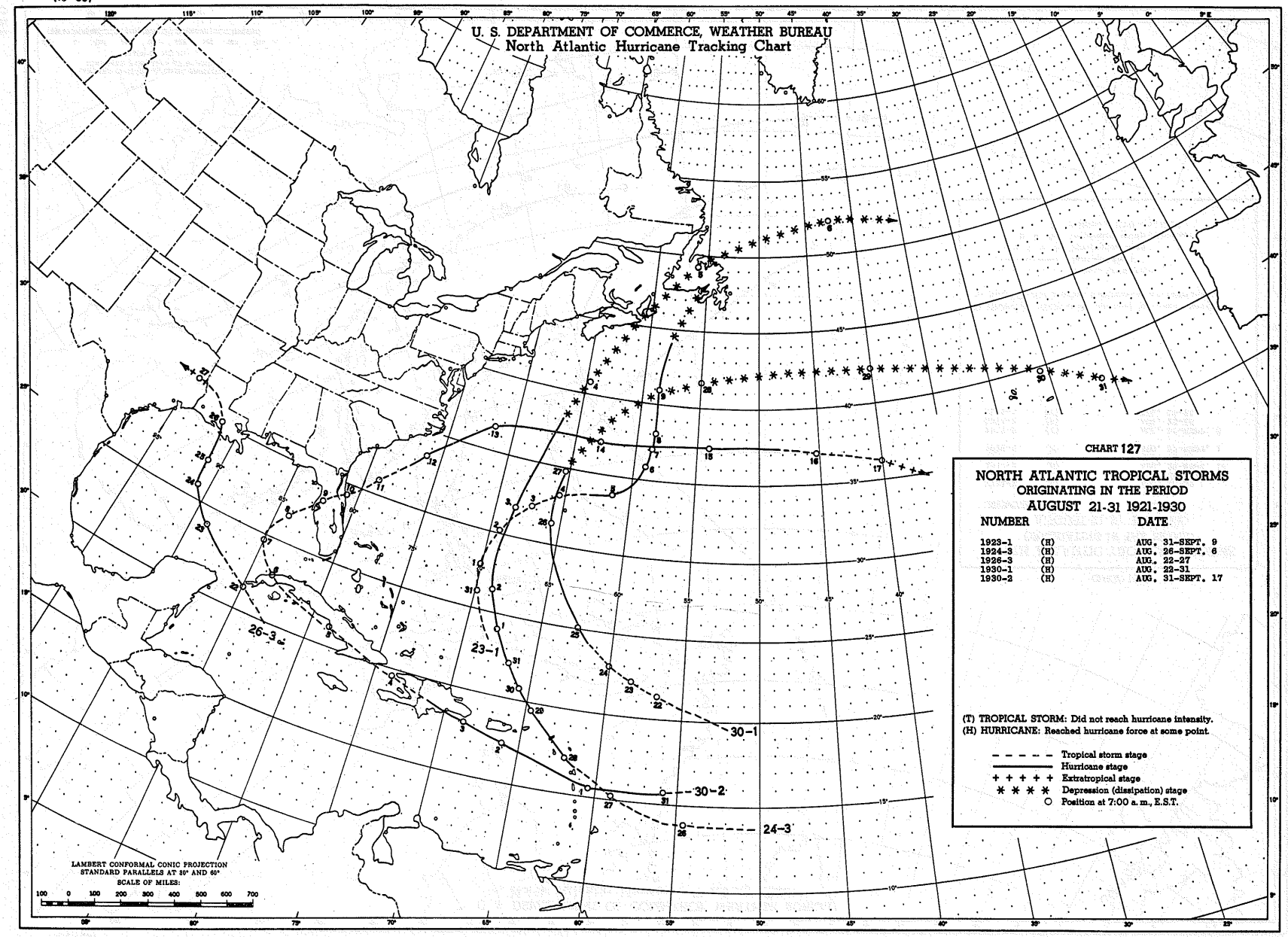
WB FORM 770-17
(10-55)



WB FORM 770-17
(10-55)



WB FORM 770-17
(10-55)



WB FORM 770-17
(10-55)

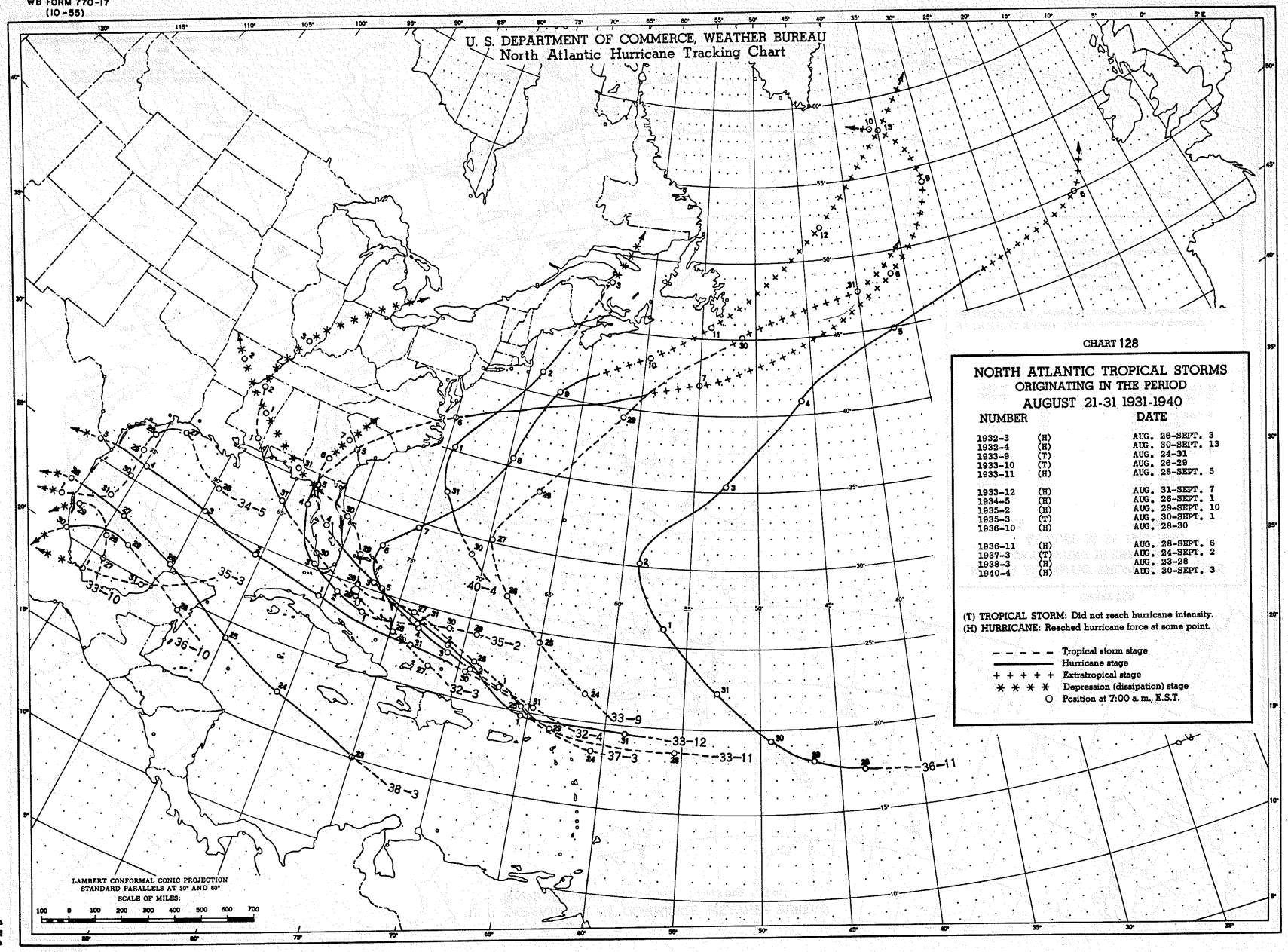



CHART 128

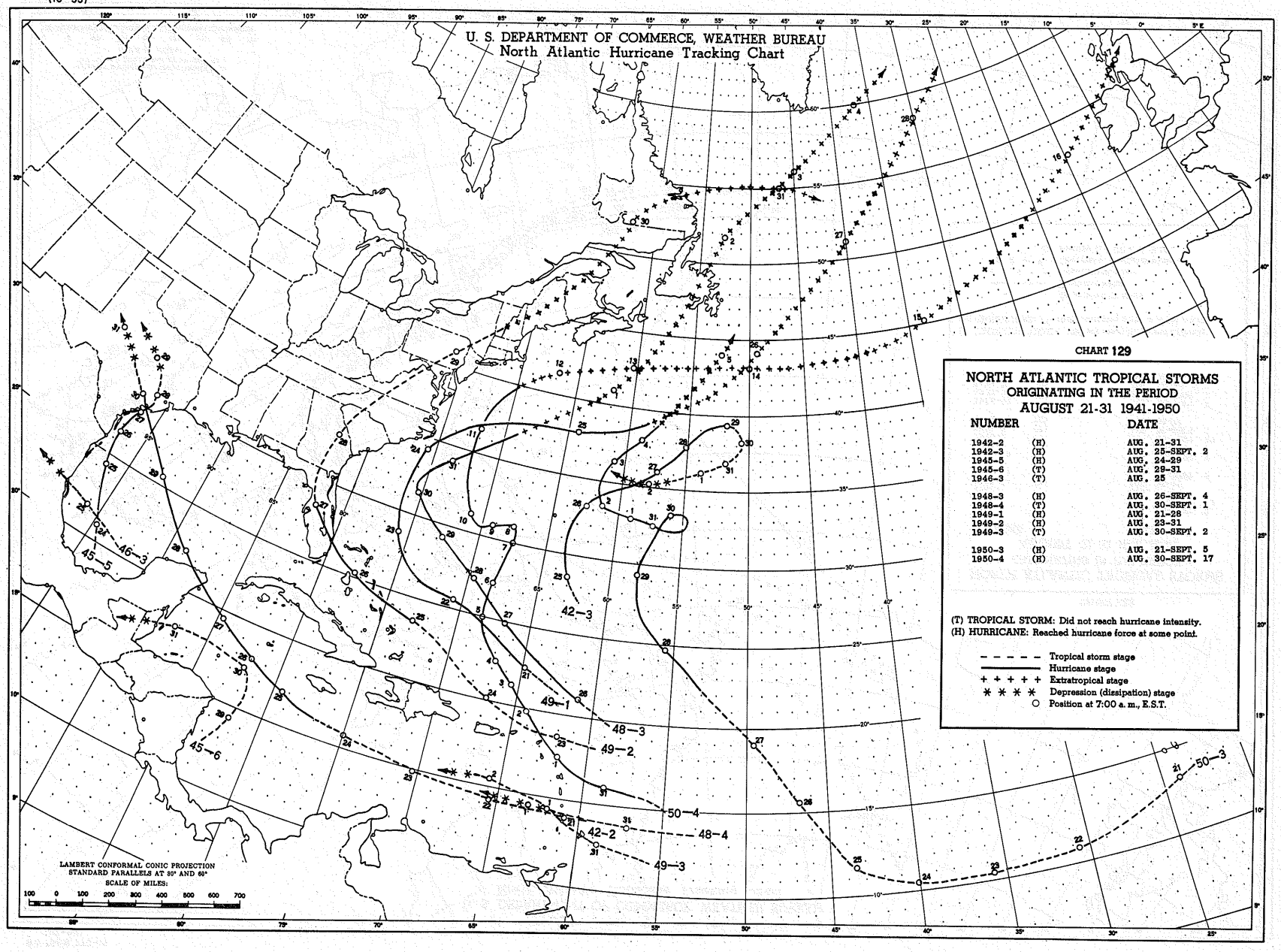
## NORTH ATLANTIC TROPICAL STORMS
### ORIGINATING IN THE PERIOD
### AUGUST 21-31 1931-1940

| NUMBER | | DATE |
|---|---|---|
| 1932-3 | (H) | AUG. 26-SEPT. 3 |
| 1932-4 | (H) | AUG. 30-SEPT. 13 |
| 1933-9 | (T) | AUG. 24-31 |
| 1933-10 | (T) | AUG. 26-29 |
| 1933-11 | (H) | AUG. 28-SEPT. 5 |
| 1933-12 | (H) | AUG. 31-SEPT. 7 |
| 1934-5 | (H) | AUG. 26-SEPT. 1 |
| 1935-2 | (H) | AUG. 29-SEPT. 10 |
| 1935-3 | (T) | AUG. 30-SEPT. 1 |
| 1936-10 | (H) | AUG. 28-30 |
| 1936-11 | (H) | AUG. 28-SEPT. 6 |
| 1937-3 | (T) | AUG. 24-SEPT. 2 |
| 1938-3 | (H) | AUG. 23-28 |
| 1940-4 | (H) | AUG. 30-SEPT. 3 |

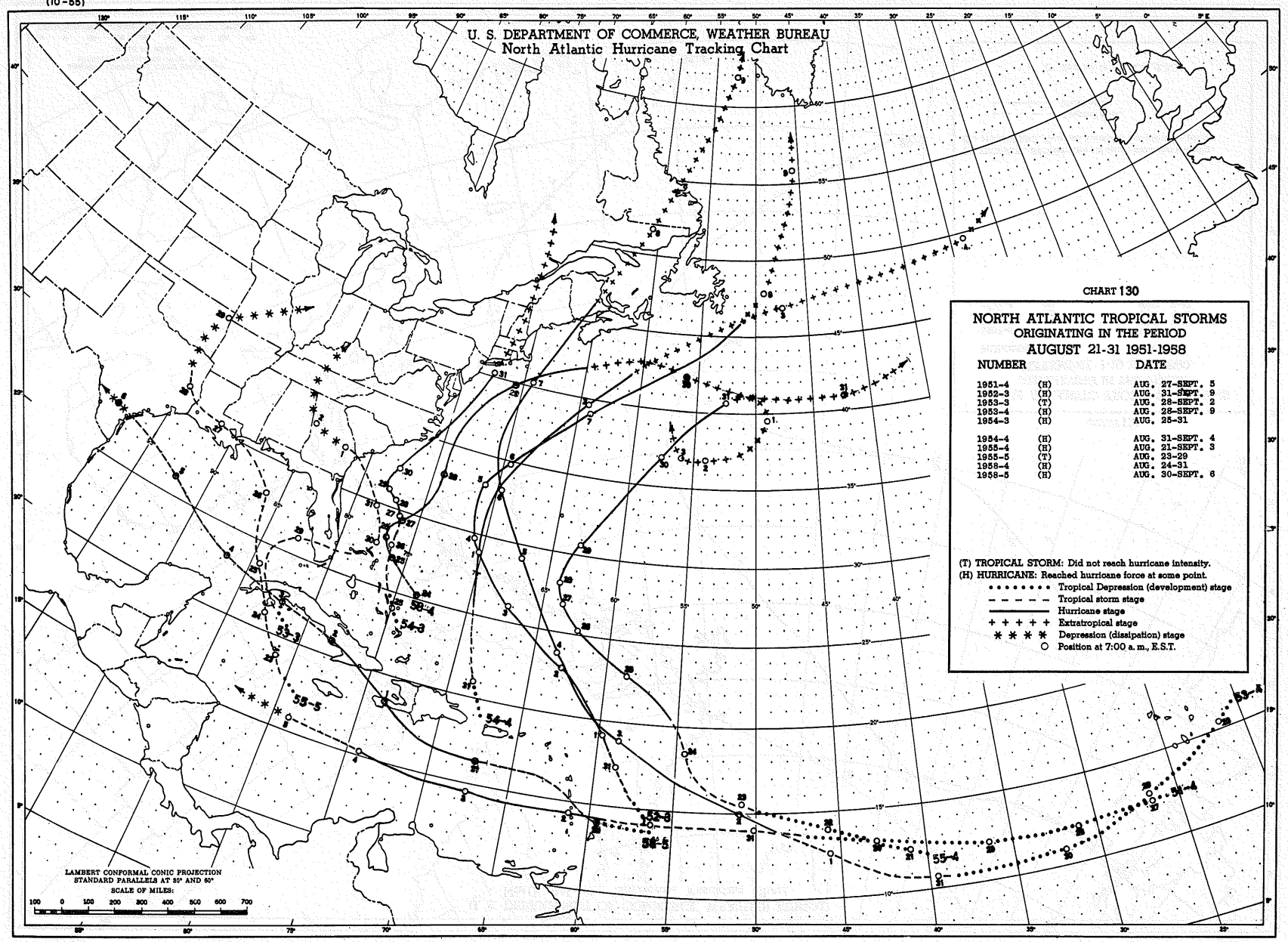
(T) TROPICAL STORM: Did not reach hurricane intensity.
(H) HURRICANE: Reached hurricane force at some point.

- – – – – Tropical storm stage
- ——— Hurricane stage
- + + + + + Extratropical stage
- * * * * Depression (dissipation) stage
- ○ Position at 7:00 a. m., E.S.T.

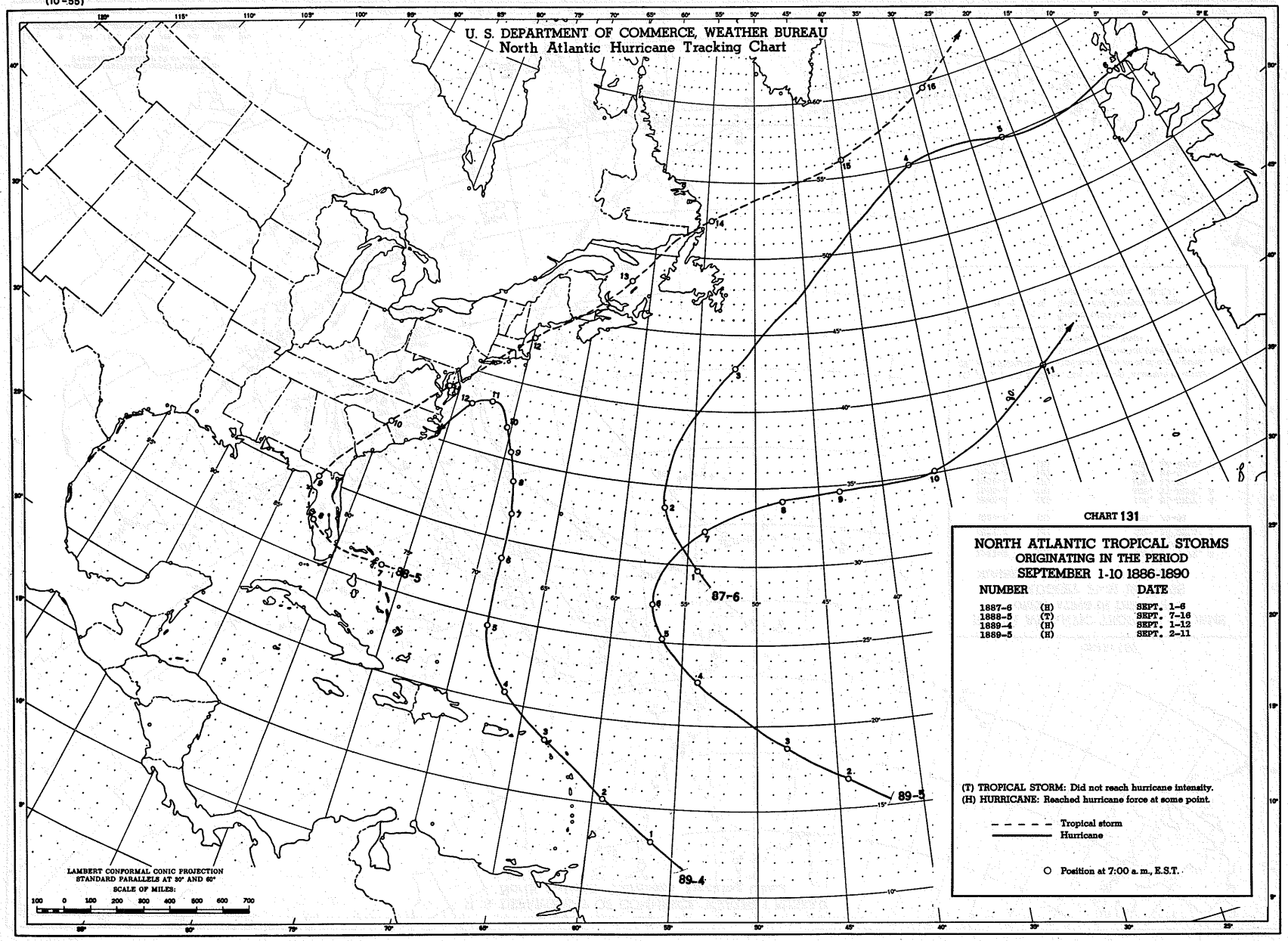
WB FORM 770-17
(10-55)



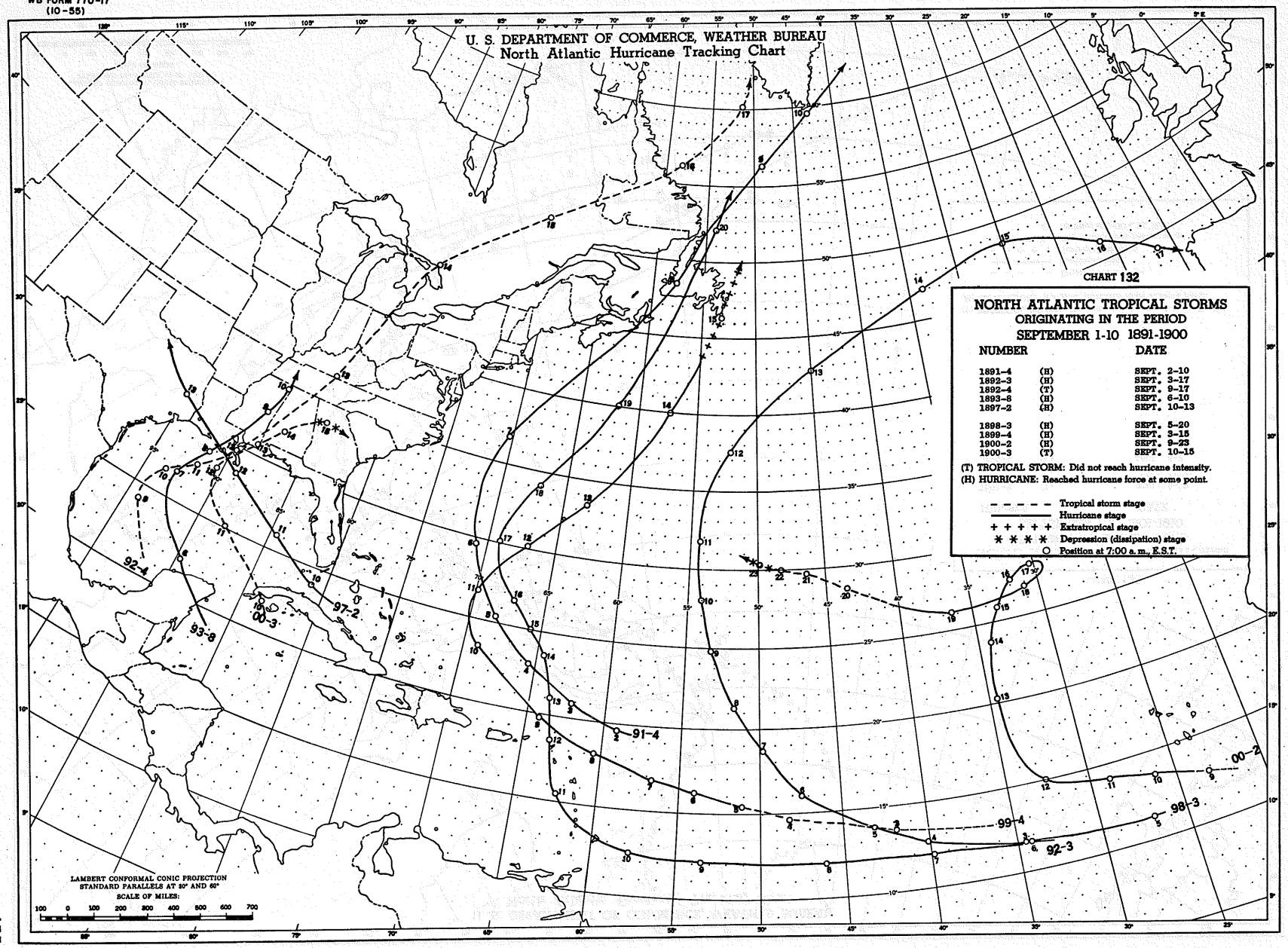
WB FORM 770-17
(10-55)



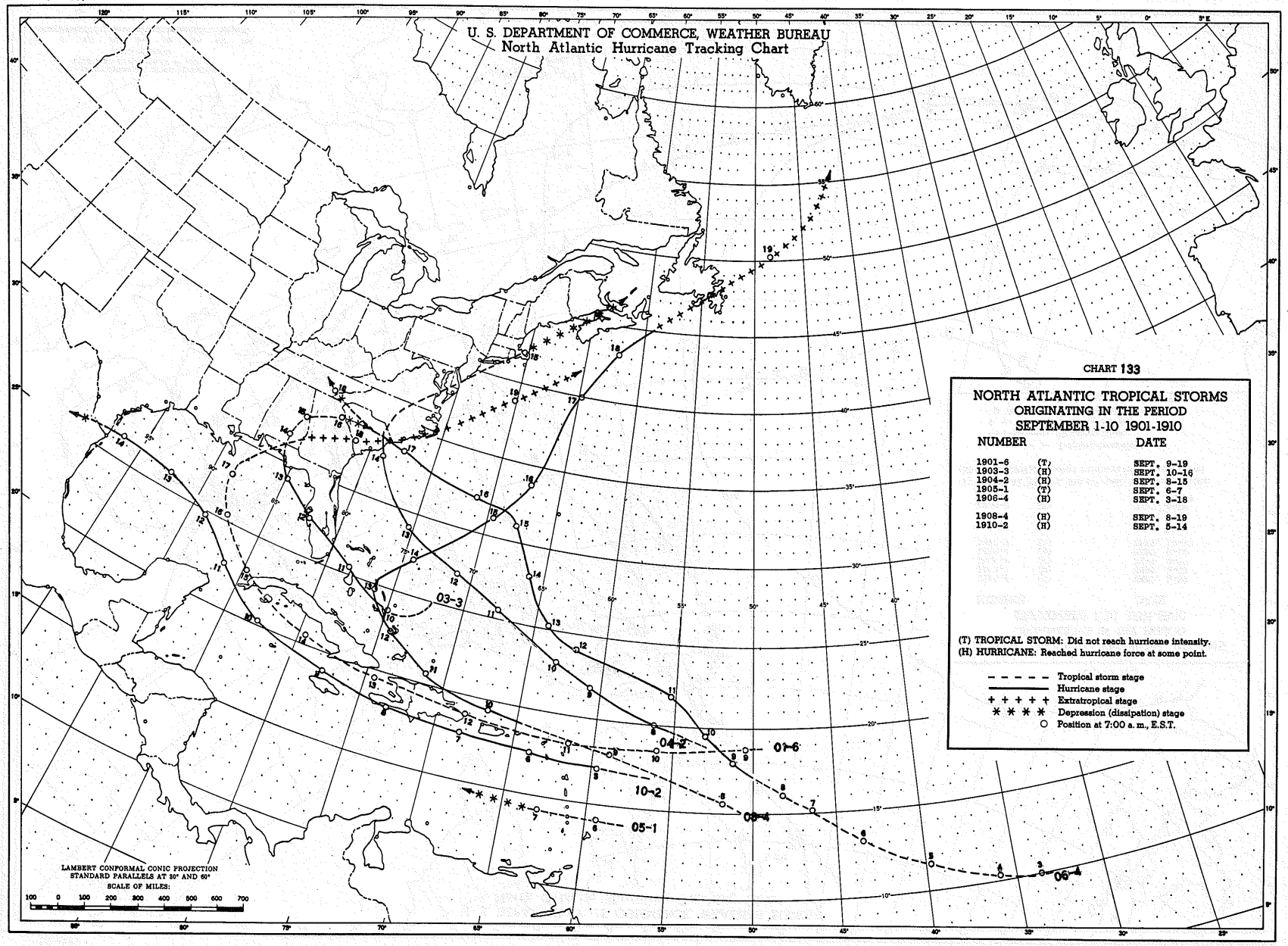
WB FORM 770-17
(10-55)



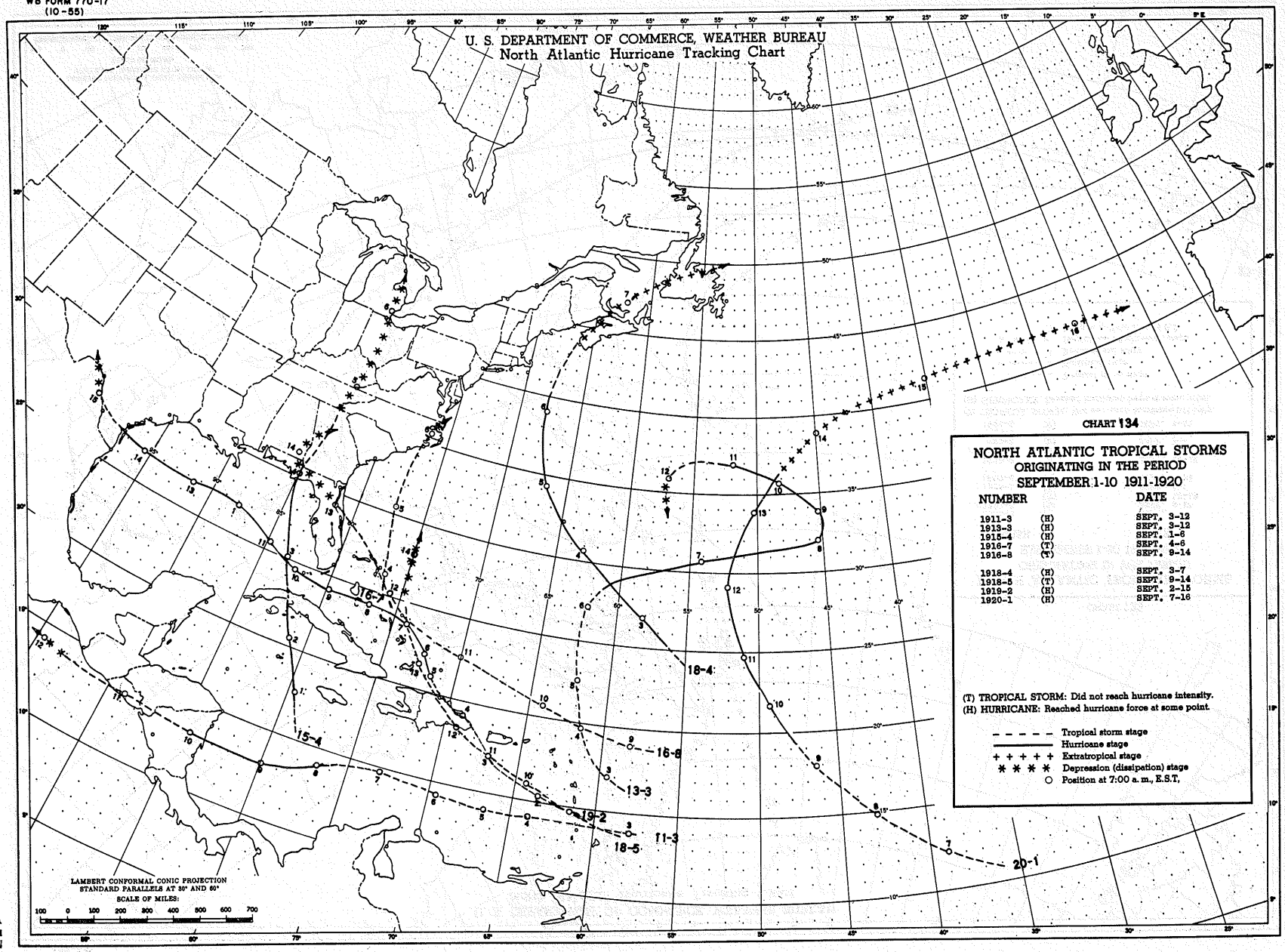
WB FORM 770-17
(10-55)



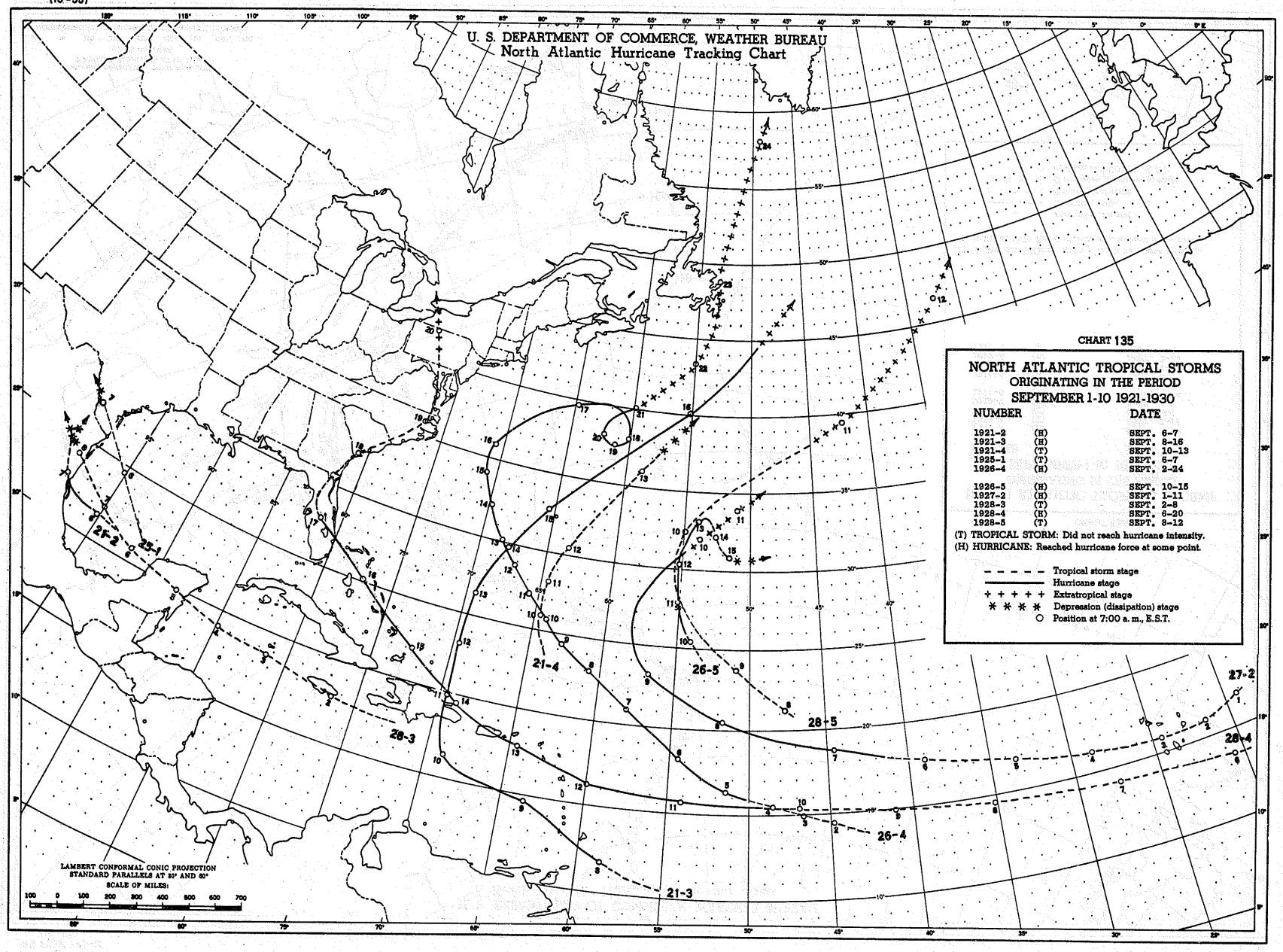
WB FORM 770-17
(10-55)



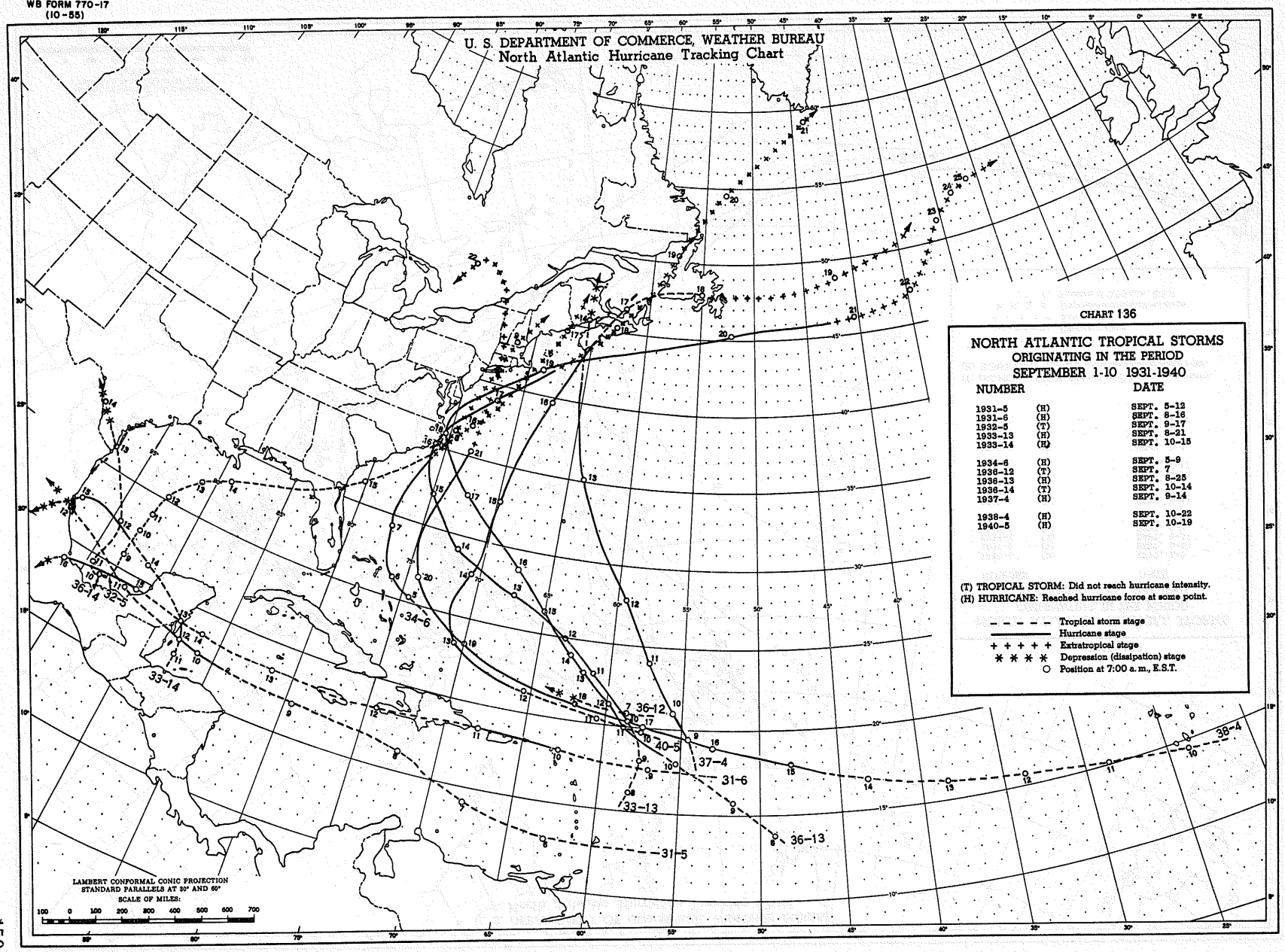
WB FORM 770-17
(10-55)



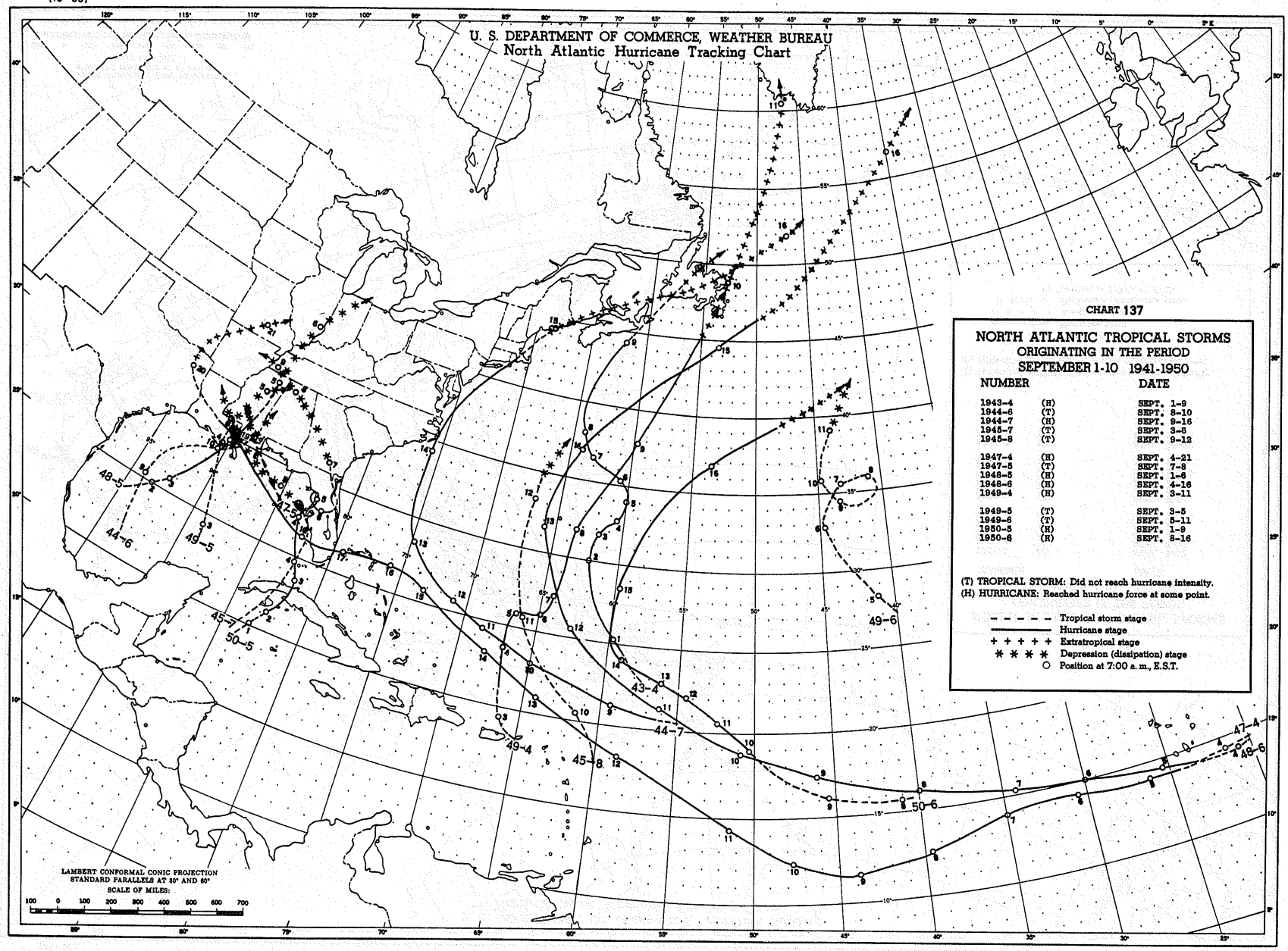
WB FORM 770-17
(10-55)



WB FORM 770-17
(10-55)



WB FORM 770-17
(10-55)



WB FORM 770-17
(10-55)

CHART 138

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU
North Atlantic Hurricane Tracking Chart

## NORTH ATLANTIC TROPICAL STORMS ORIGINATING IN THE PERIOD SEPTEMBER 1-10 1951-1958

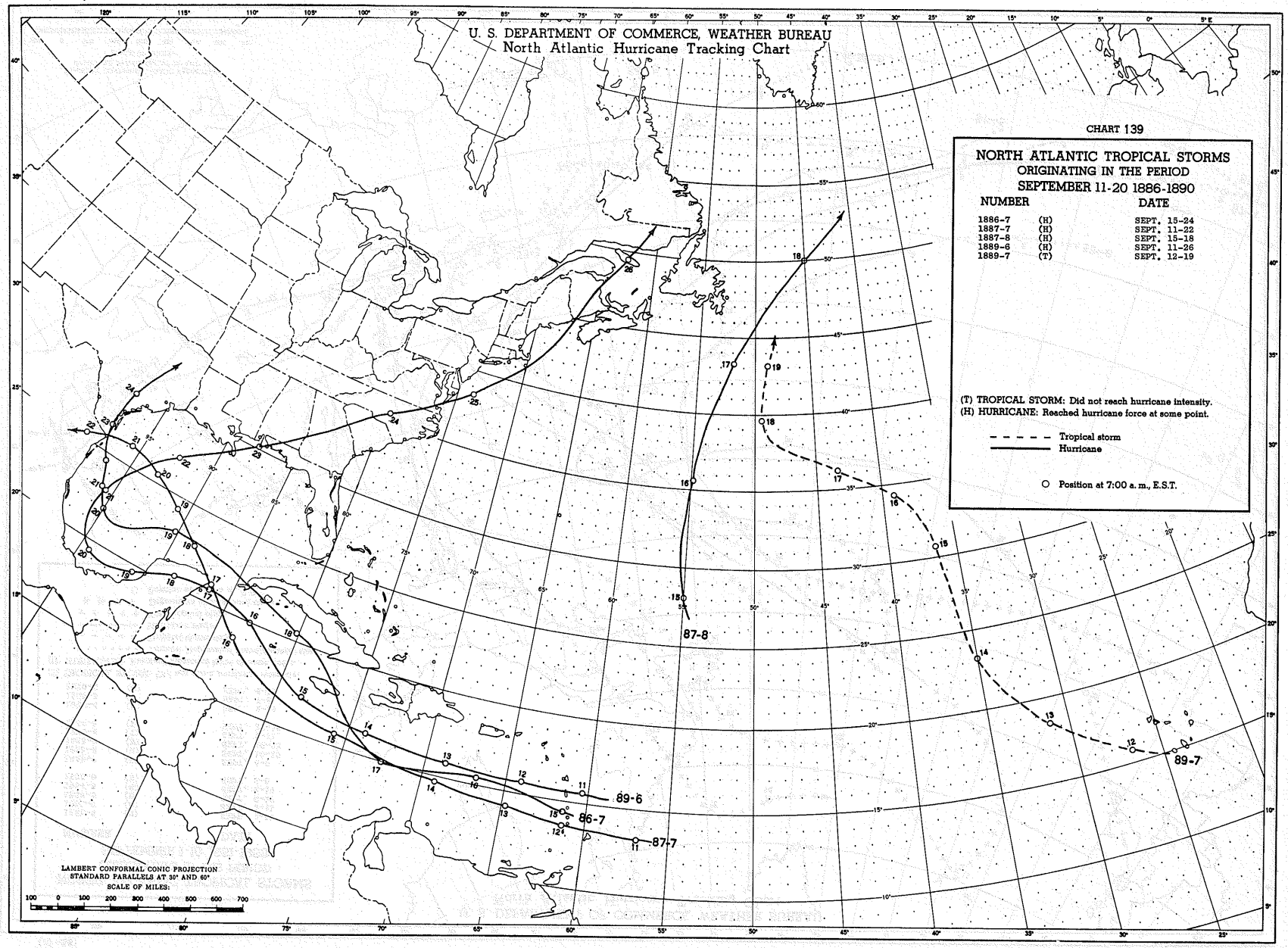
| NUMBER | | DATE |
|---|---|---|
| 1951-5 | (H) | SEPT. 2-13 |
| 1951-6 | (H) | SEPT. 2-11 |
| 1953-5 | (H) | SEPT. 8-17 |
| 1954-5 | (H) | SEPT. 2-14 |
| 1955-6 | (H) | SEPT. 2-9 |
| 1955-7 | (H) | SEPT. 4-8 |
| 1955-8 | (H) | SEPT. 10-19 |
| 1955-9 | (H) | SEPT. 10-23 |
| 1956-4 | (T) | SEPT. 5-11 |
| 1956-5 | (T) | SEPT. 10-12 |
| 1957-4 | (H) | SEPT. 2-24 |
| 1957-5 | (T) | SEPT. 7-8 |
| 1958-6 | (H) | SEPT. 4-12 |

(T) TROPICAL STORM: Did not reach hurricane intensity.
(H) HURRICANE: Reached hurricane force at some point.

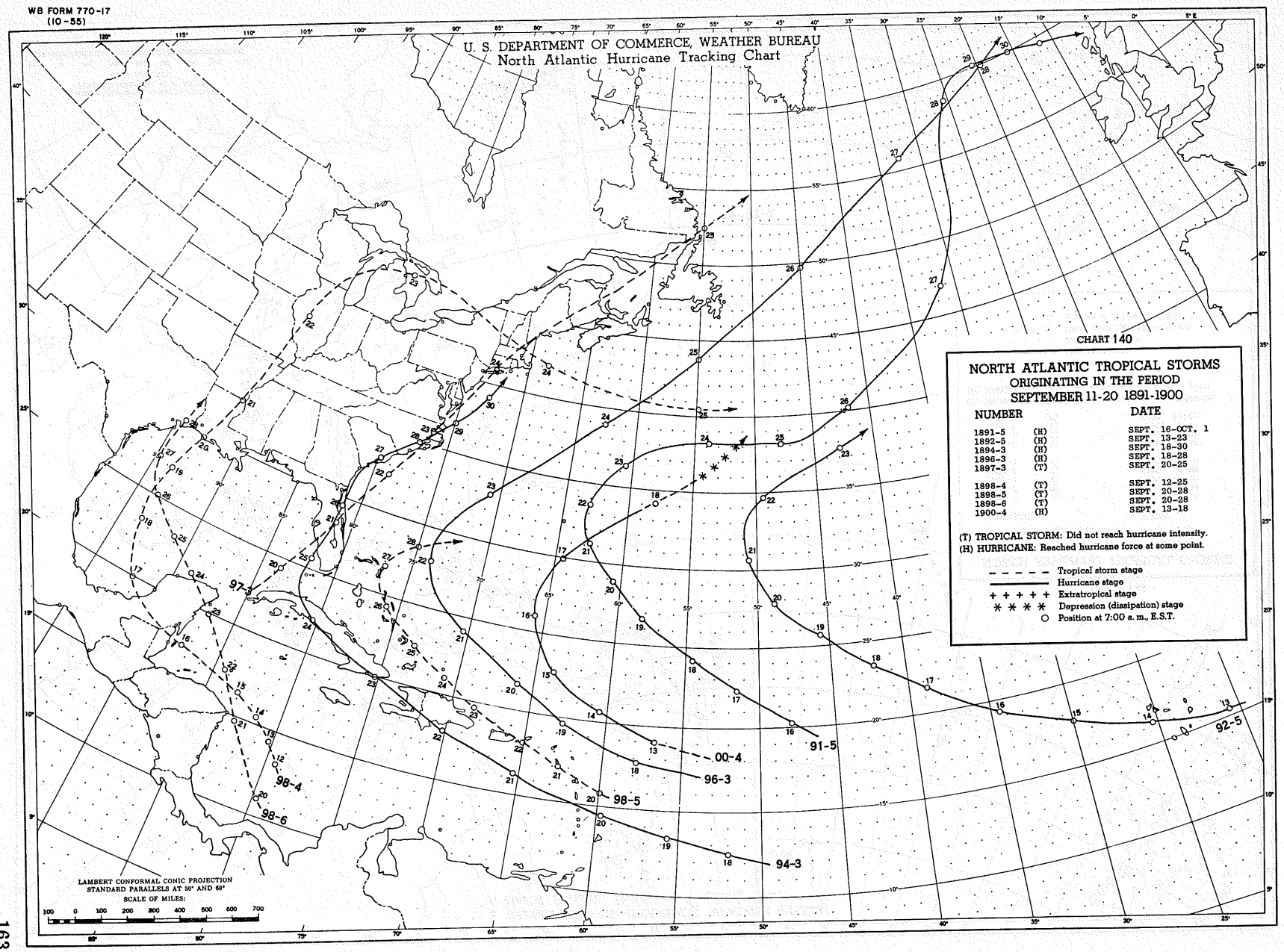
- Tropical Depression (development) stage
- Tropical storm stage
- Hurricane stage
- Extratropical stage
- Depression (dissipation) stage
- Position at 7:00 a. m., E.S.T.

LAMBERT CONFORMAL CONIC PROJECTION
STANDARD PARALLELS AT 30° AND 60°
SCALE OF MILES: 100 0 100 200 300 400 500 600 700

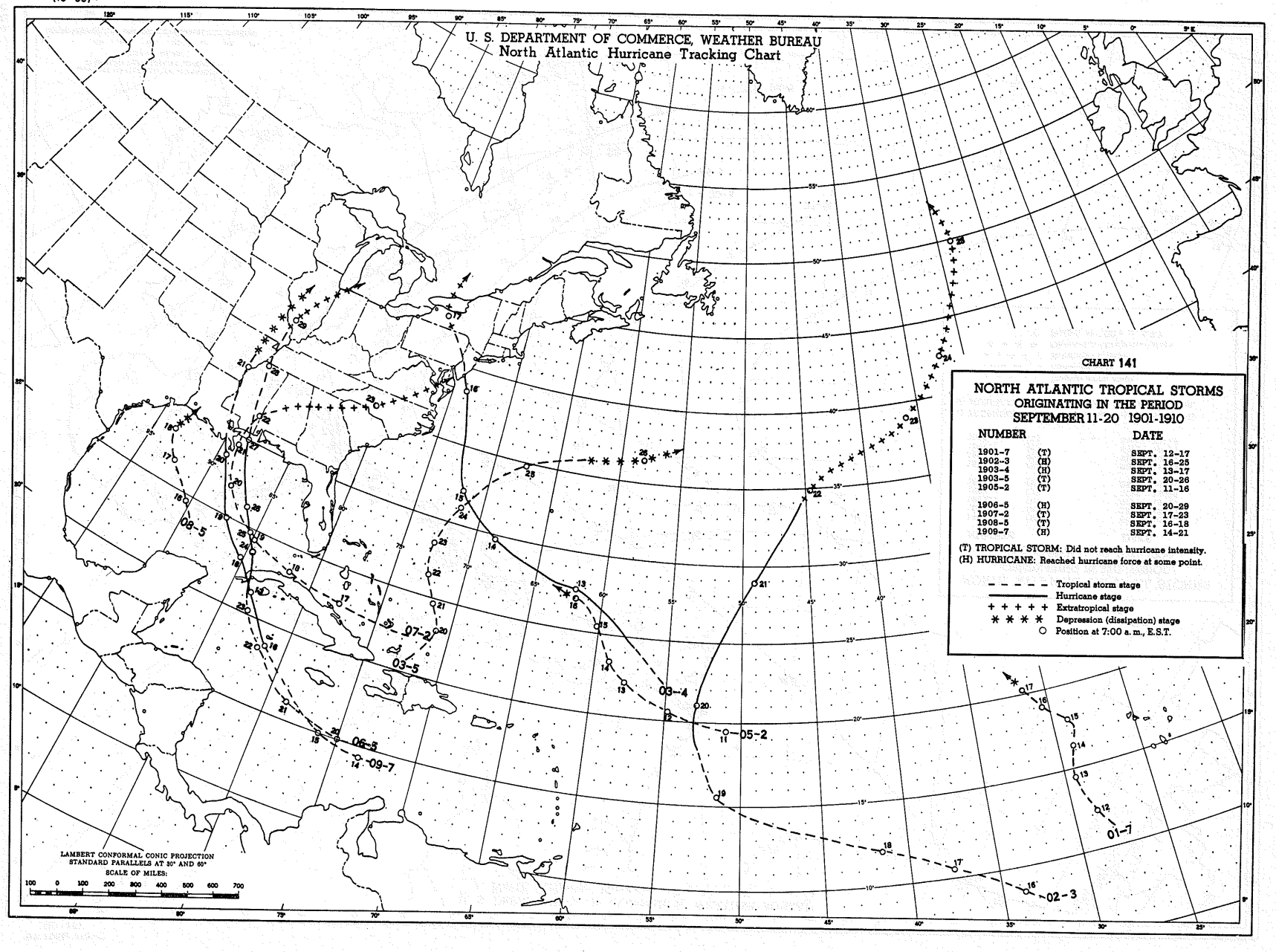
WB FORM 770-17
(10-55)



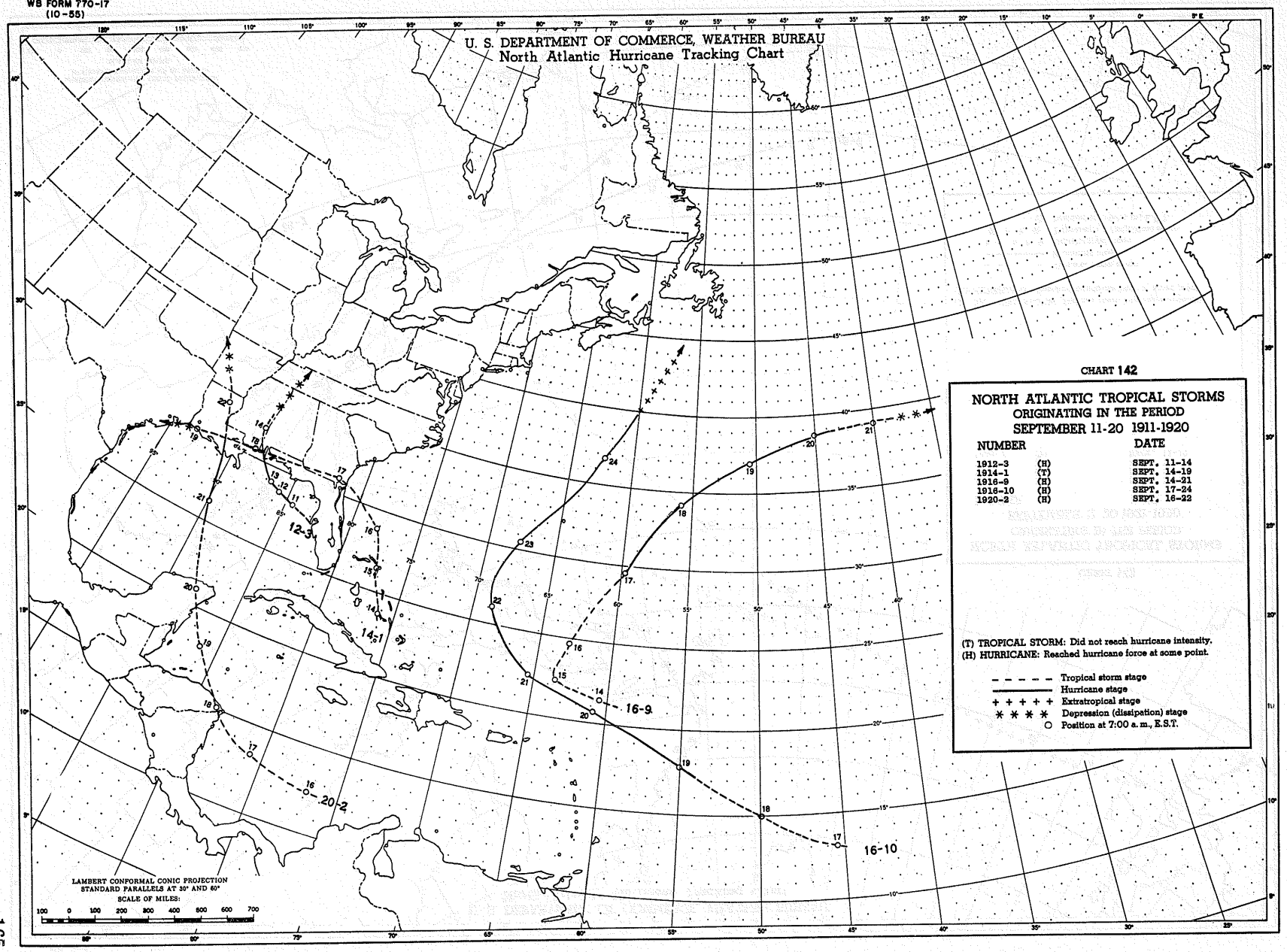
WB FORM 770-17
(10-55)



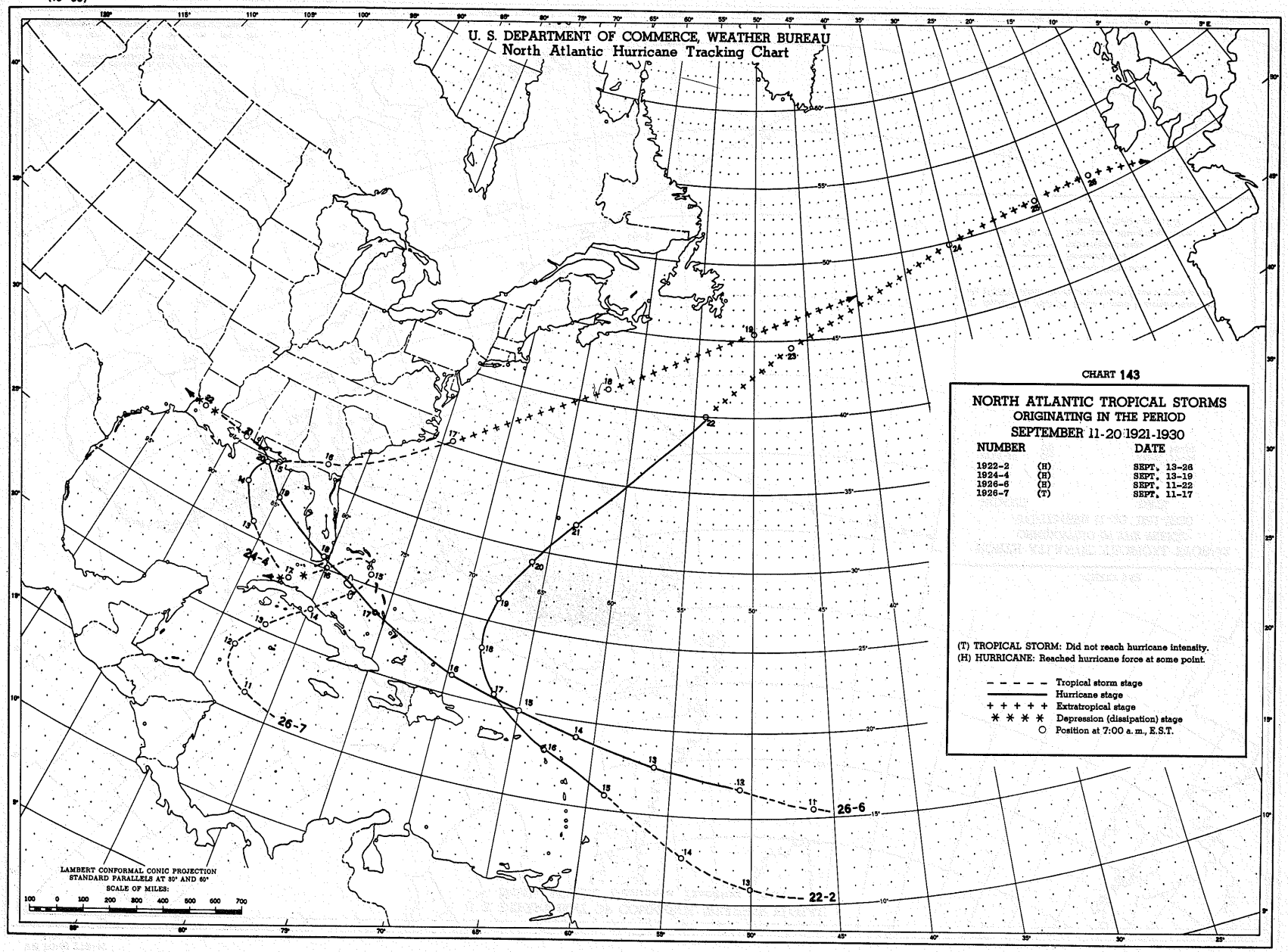
WB FORM 770-17
(10-55)



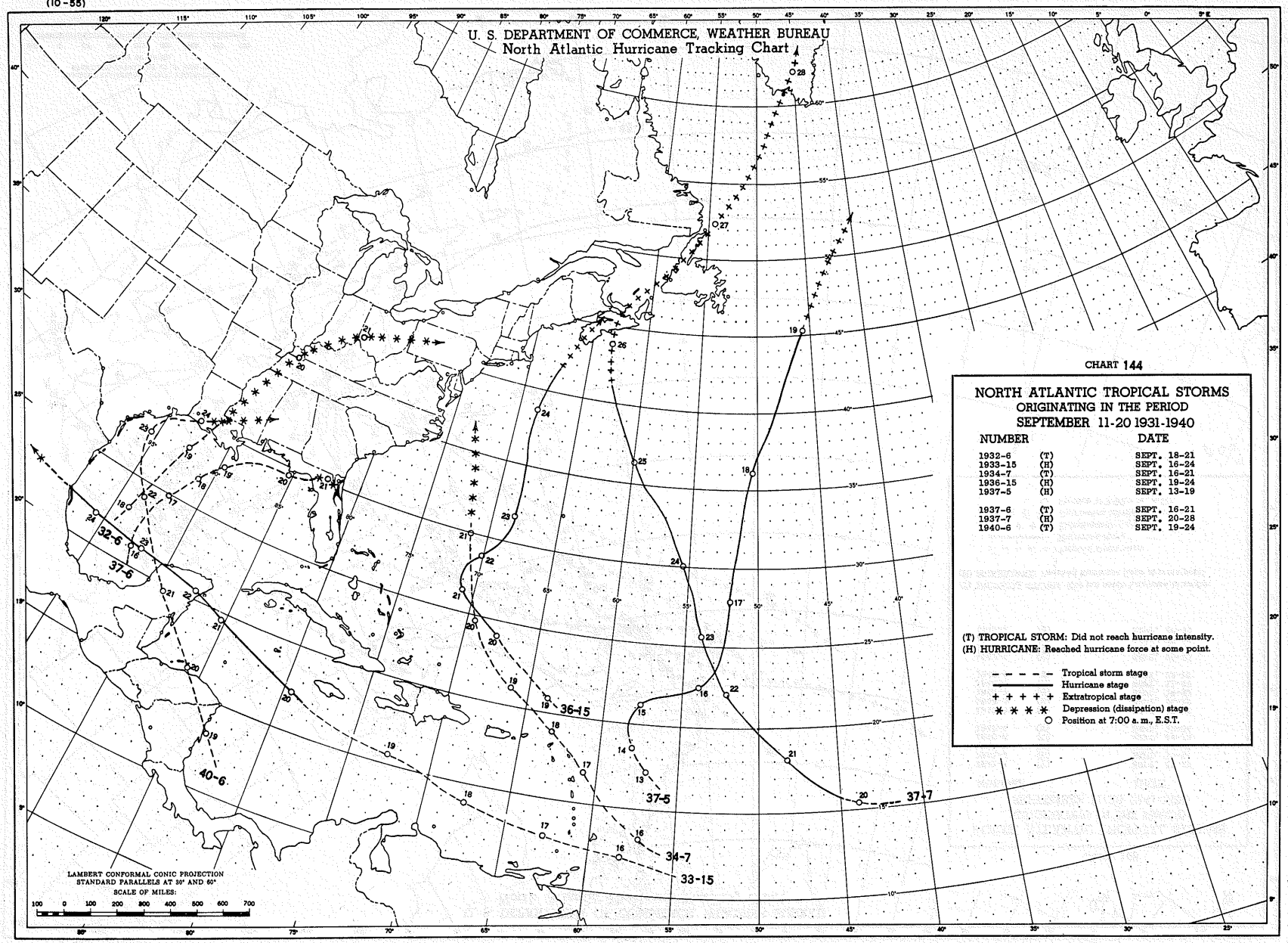
WB FORM 770-17
(10-55)



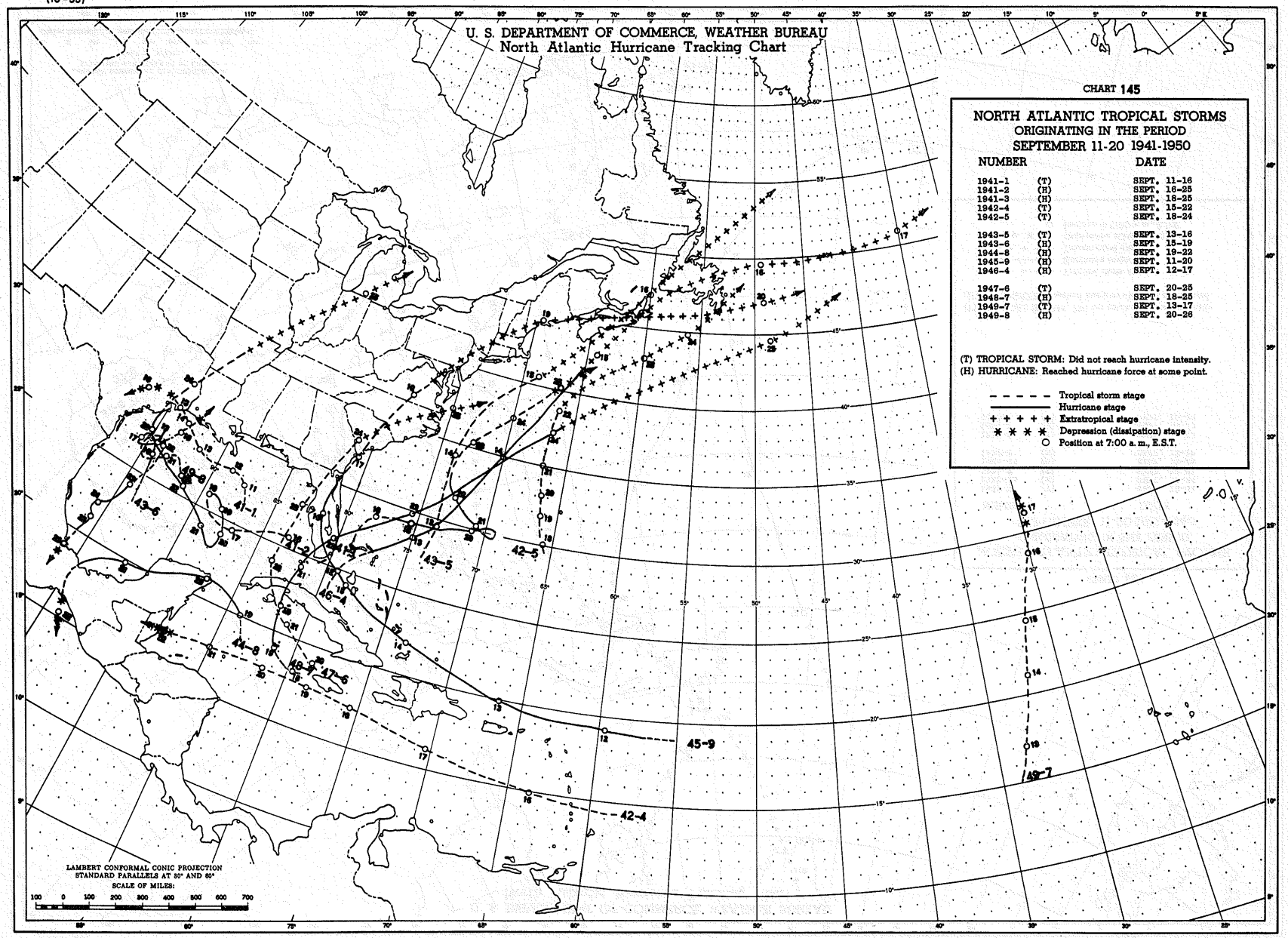
WB FORM 770-17
(10-55)



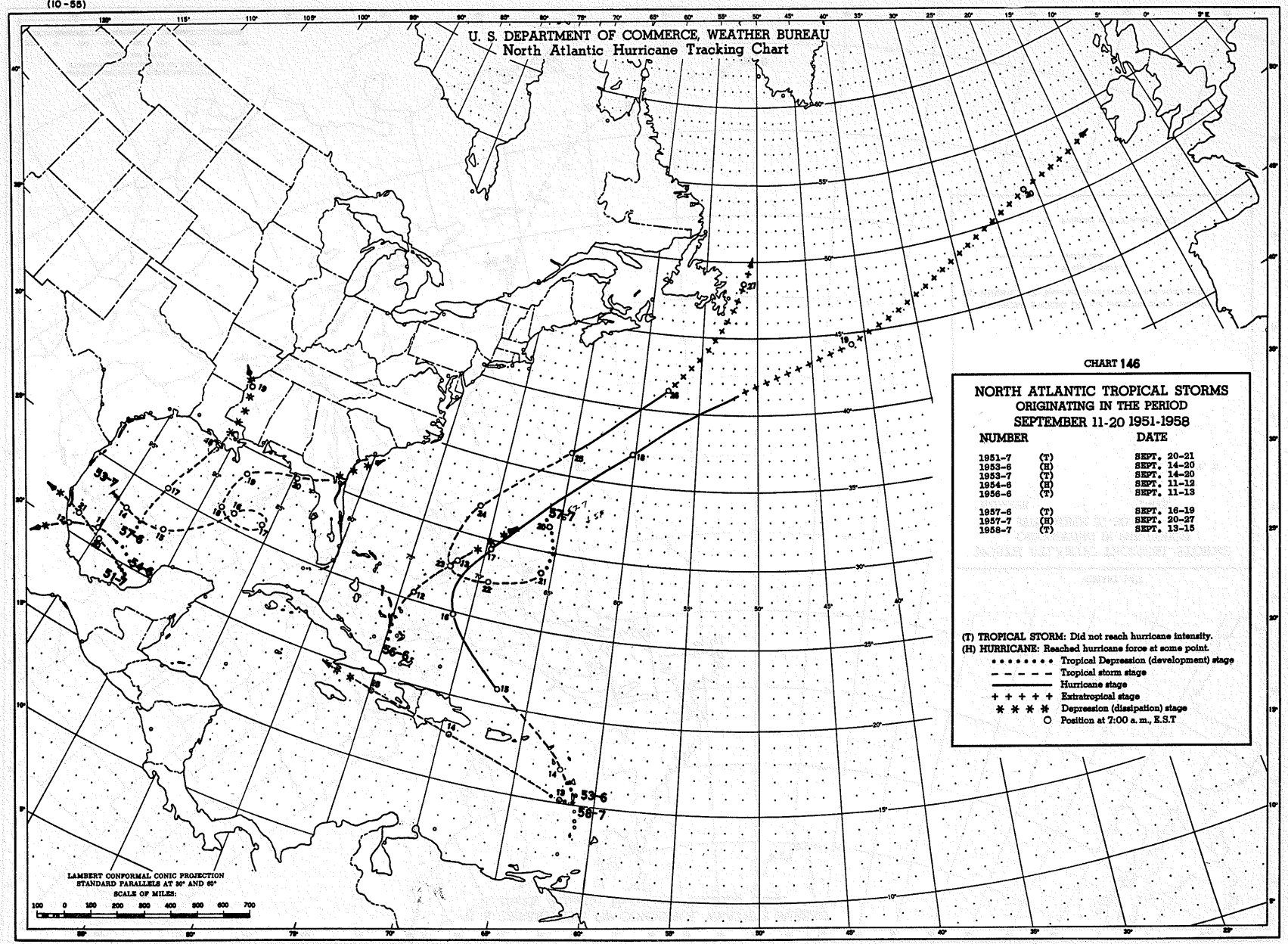
WB FORM 770-17
(10-55)



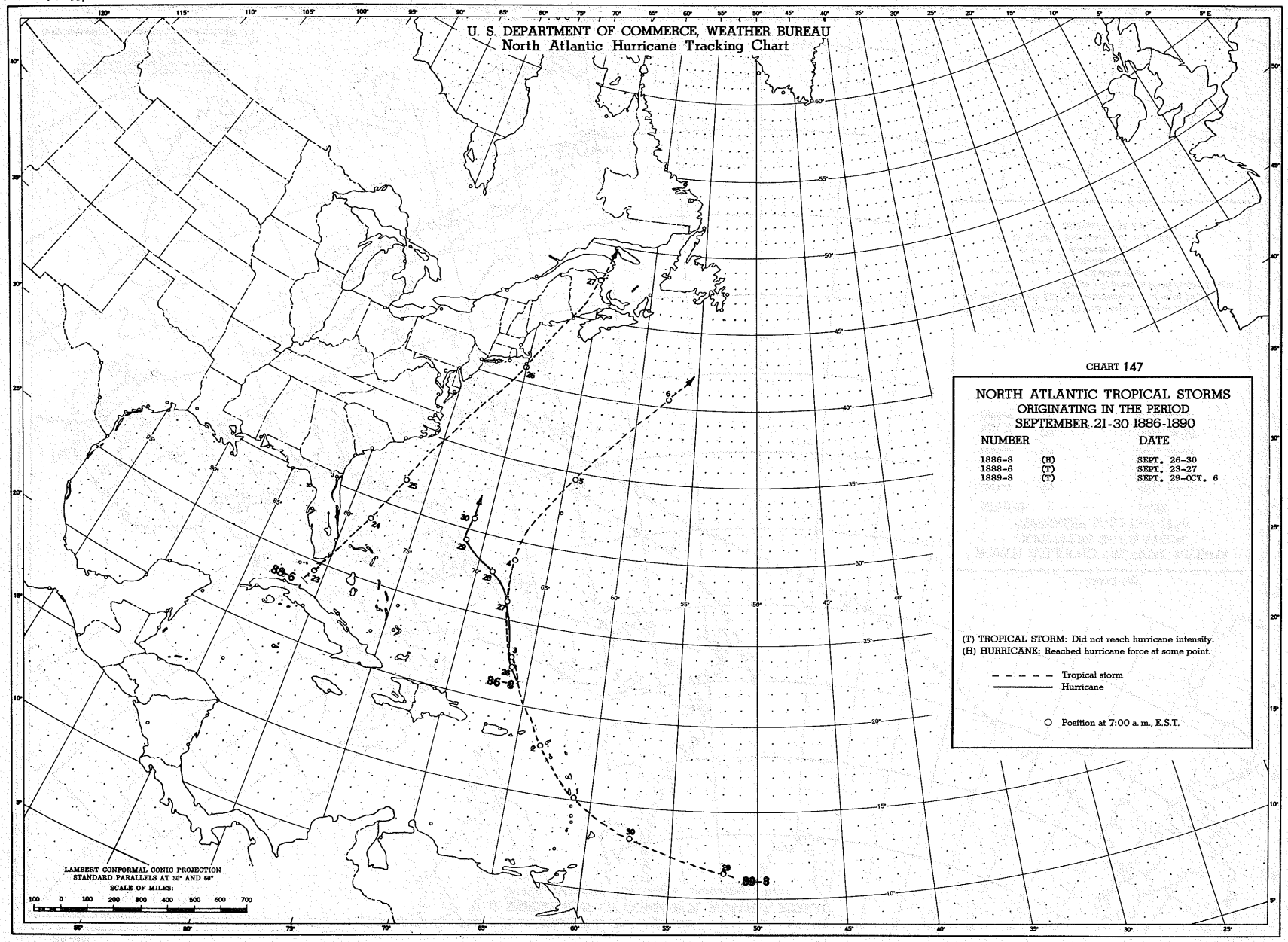
WB FORM 770-17
(10-55)



WB FORM 770-17
(10-55)



WB FORM 770-17
(10-55)



WB FORM 770-17
(10-55)

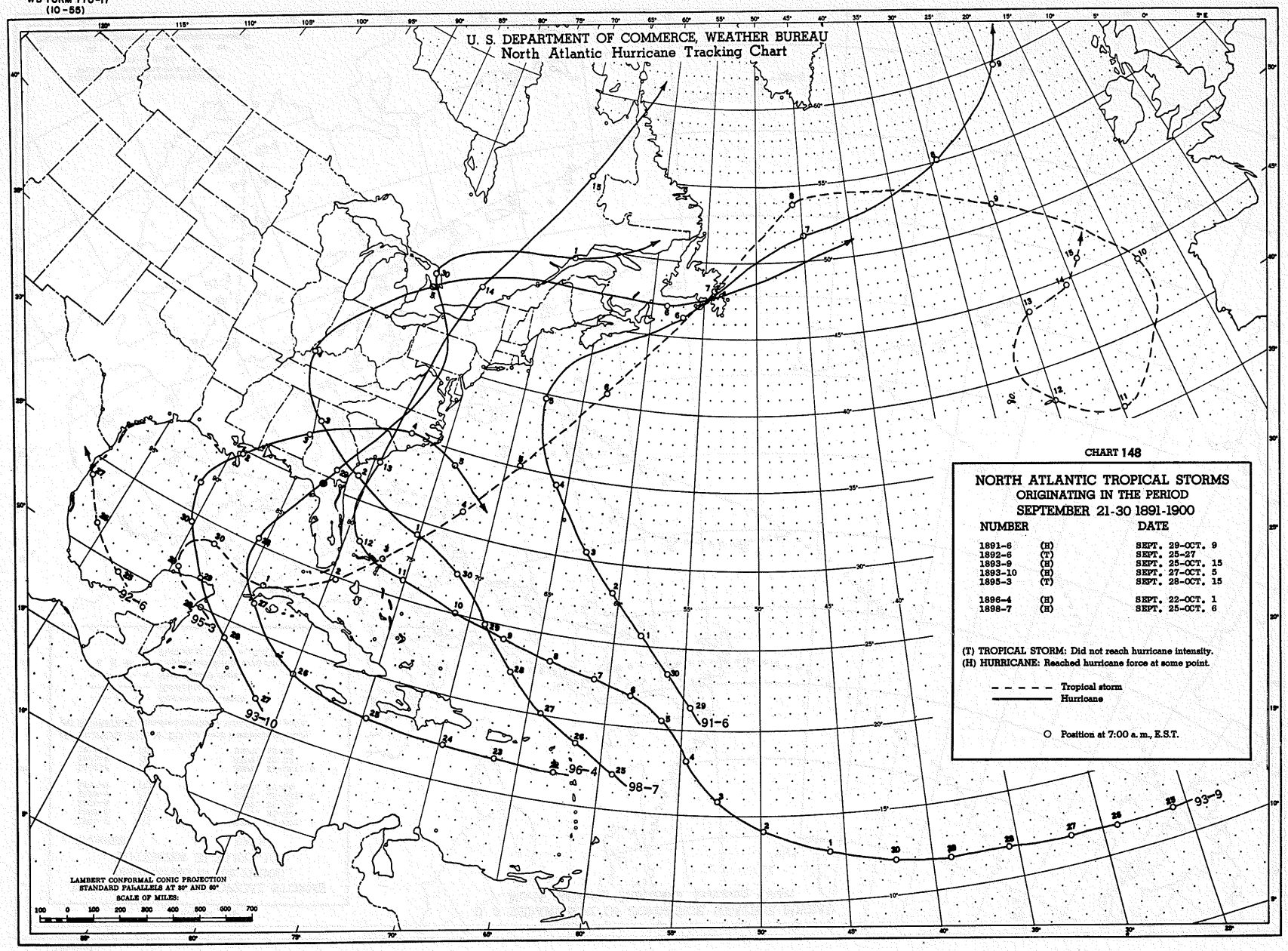



CHART 148

## NORTH ATLANTIC TROPICAL STORMS
### ORIGINATING IN THE PERIOD
### SEPTEMBER 21-30 1891-1900

| NUMBER | | DATE |
|---|---|---|
| 1891-6 | (H) | SEPT. 29-OCT. 9 |
| 1892-6 | (T) | SEPT. 25-27 |
| 1893-9 | (H) | SEPT. 25-OCT. 15 |
| 1893-10 | (H) | SEPT. 27-OCT. 5 |
| 1895-3 | (T) | SEPT. 28-OCT. 15 |
| 1896-4 | (H) | SEPT. 22-OCT. 1 |
| 1898-7 | (H) | SEPT. 25-OCT. 6 |

(T) TROPICAL STORM: Did not reach hurricane intensity.
(H) HURRICANE: Reached hurricane force at some point.

- - - - Tropical storm
——— Hurricane

○ Position at 7:00 a. m., E.S.T.

WB FORM 770-17
(10-55)

CHART 149

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU
North Atlantic Hurricane Tracking Chart

## NORTH ATLANTIC TROPICAL STORMS
ORIGINATING IN THE PERIOD
SEPTEMBER 21-30 1901-1910

| NUMBER | | DATE |
|---|---|---|
| 1901-8 | (T) | SEPT. 21-OCT. 3 |
| 1903-6 | (H) | SEPT. 26-30 |
| 1905-3 | (T) | SEPT. 24-30 |
| 1906-6 | (T) | SEPT. 22-OCT. 2 |
| 1907-3 | (T) | SEPT. 27-29 |
| 1908-6 | (H) | SEPT. 21-OCT. 6 |
| 1909-8 | (T) | SEPT. 22-30 |
| 1910-3 | (H) | SEPT. 23-28 |

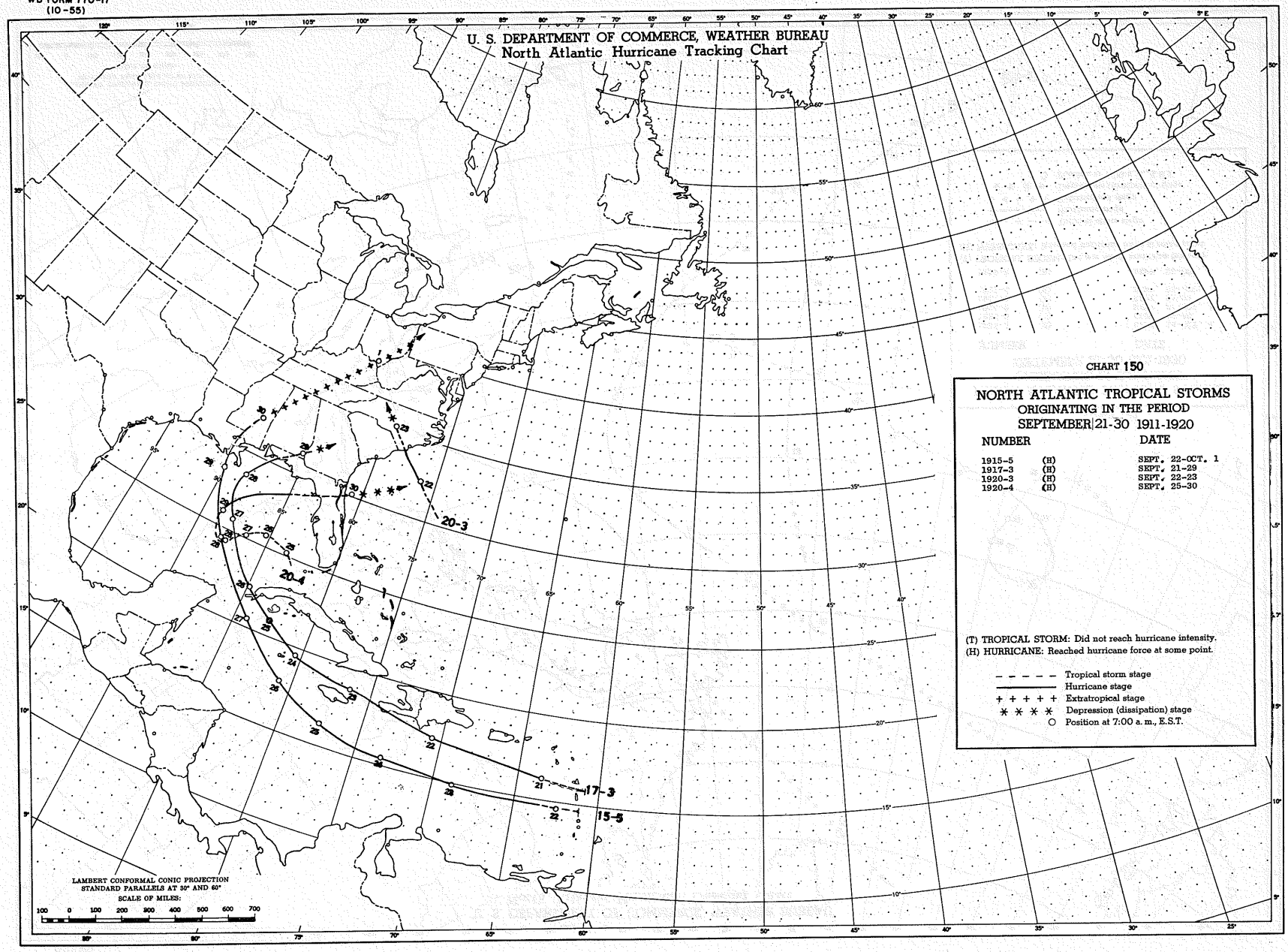
(T) TROPICAL STORM: Did not reach hurricane intensity.
(H) HURRICANE: Reached hurricane force at some point.

- – – – – Tropical storm stage
- ——— Hurricane stage
- + + + + + Extratropical stage
- * * * * Depression (dissipation) stage
- ○ Position at 7:00 a. m., E.S.T.

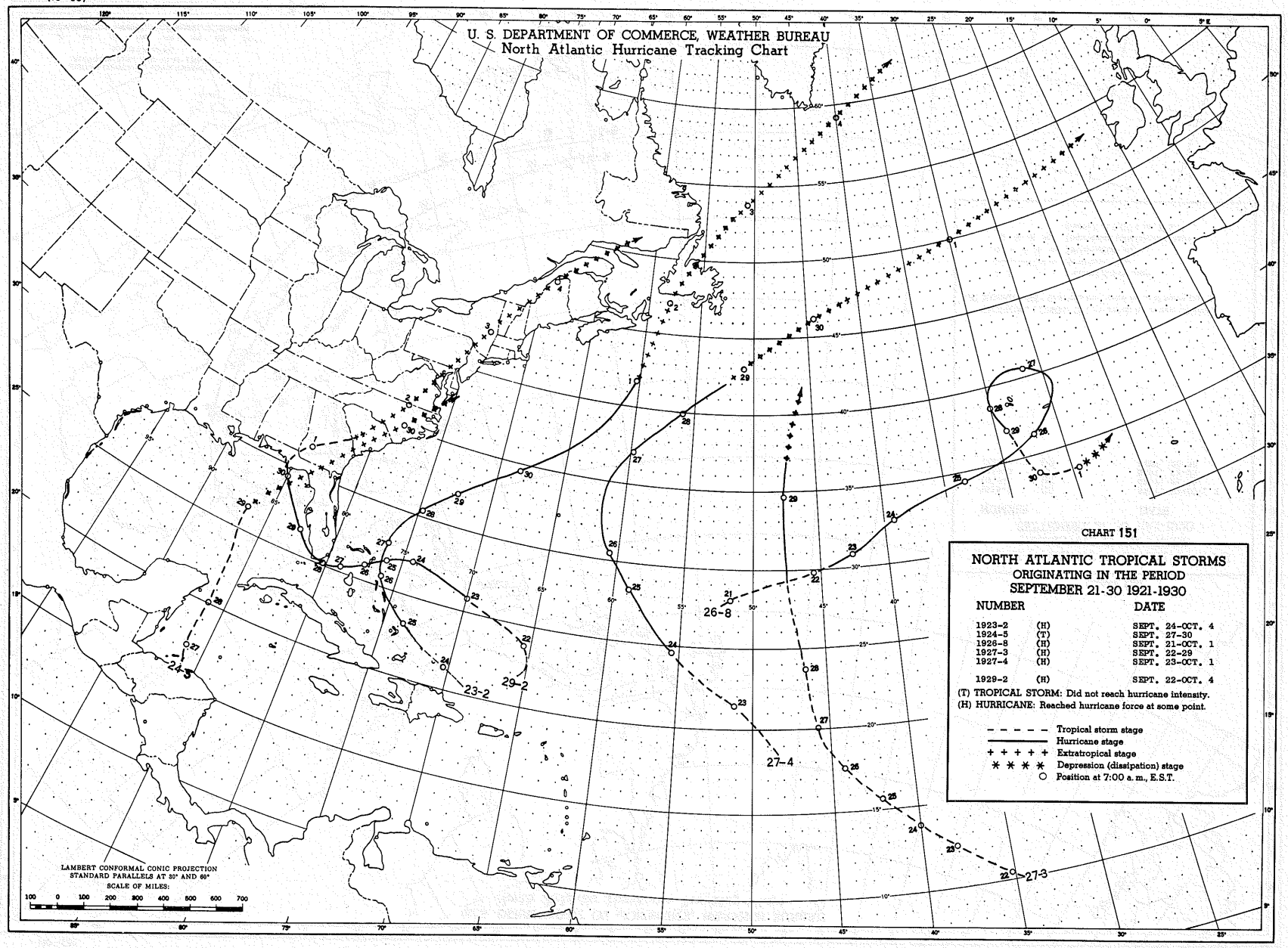
07-3
05-3
01-8
09-8
03-6
10-3
06-6
08-6

LAMBERT CONFORMAL CONIC PROJECTION
STANDARD PARALLELS AT 30° AND 60°
SCALE OF MILES:
100 0 100 200 300 400 500 600 700

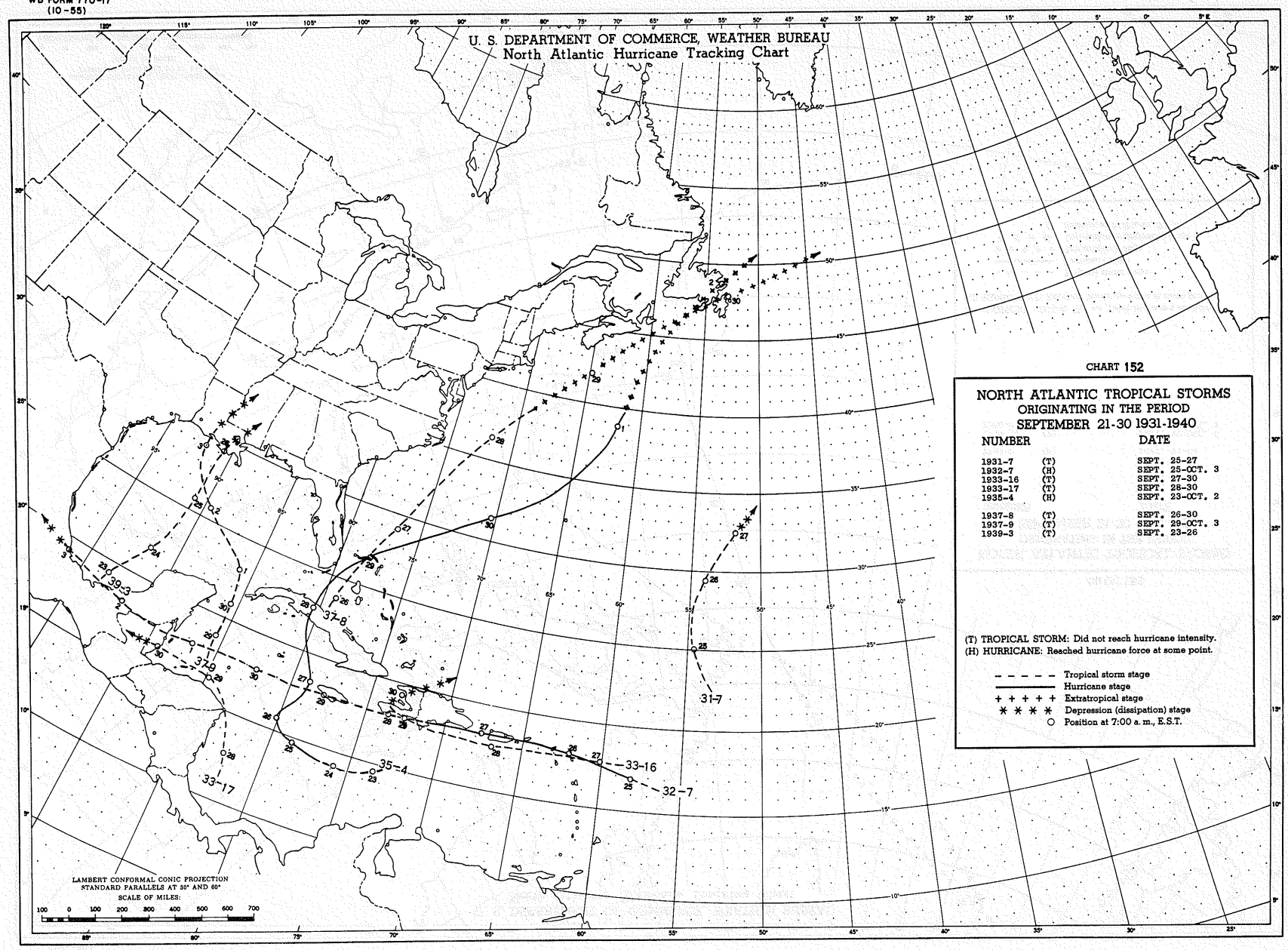
WB FORM 770-17
(10-55)



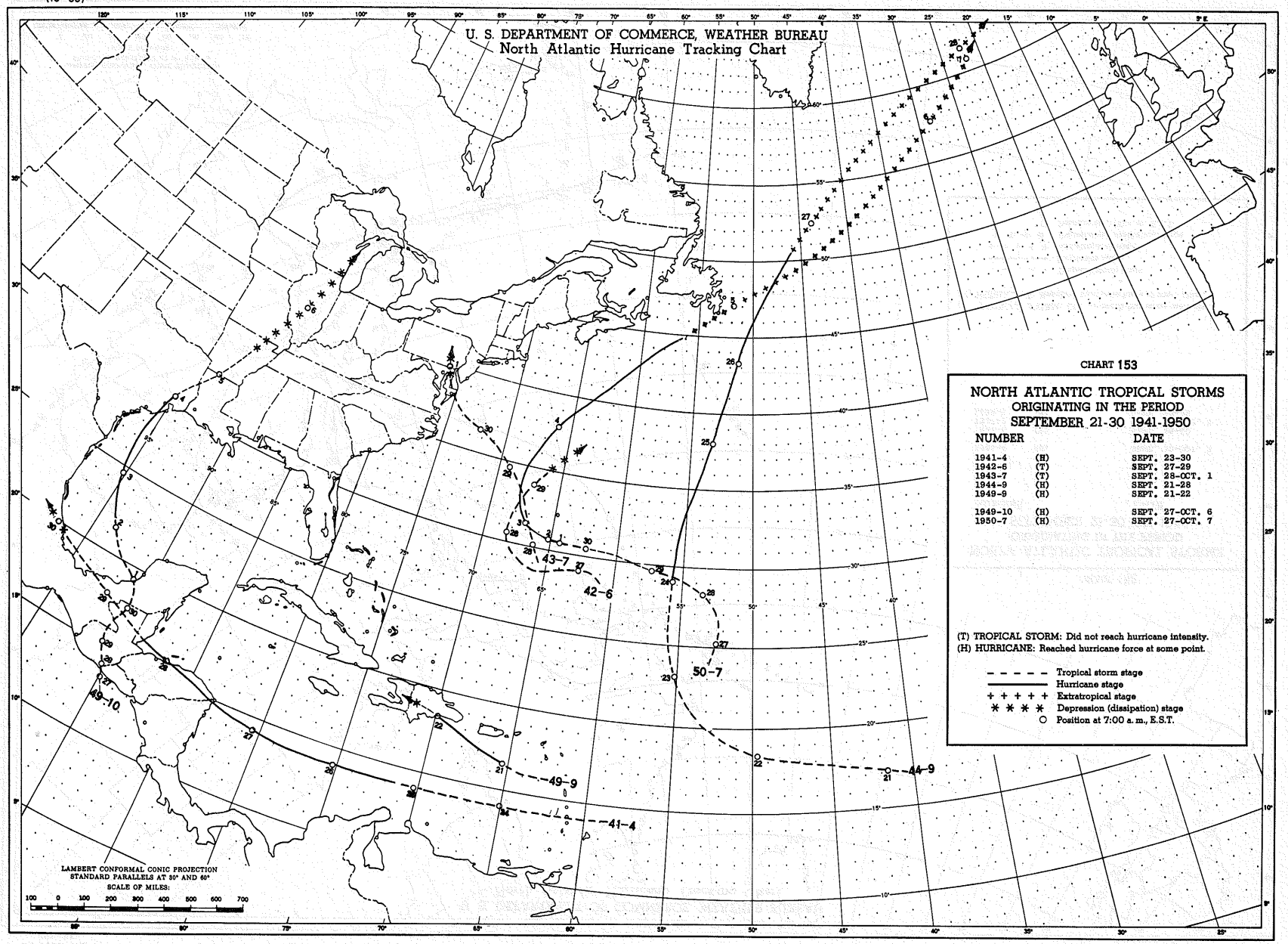
WB FORM 770-17
(10-55)



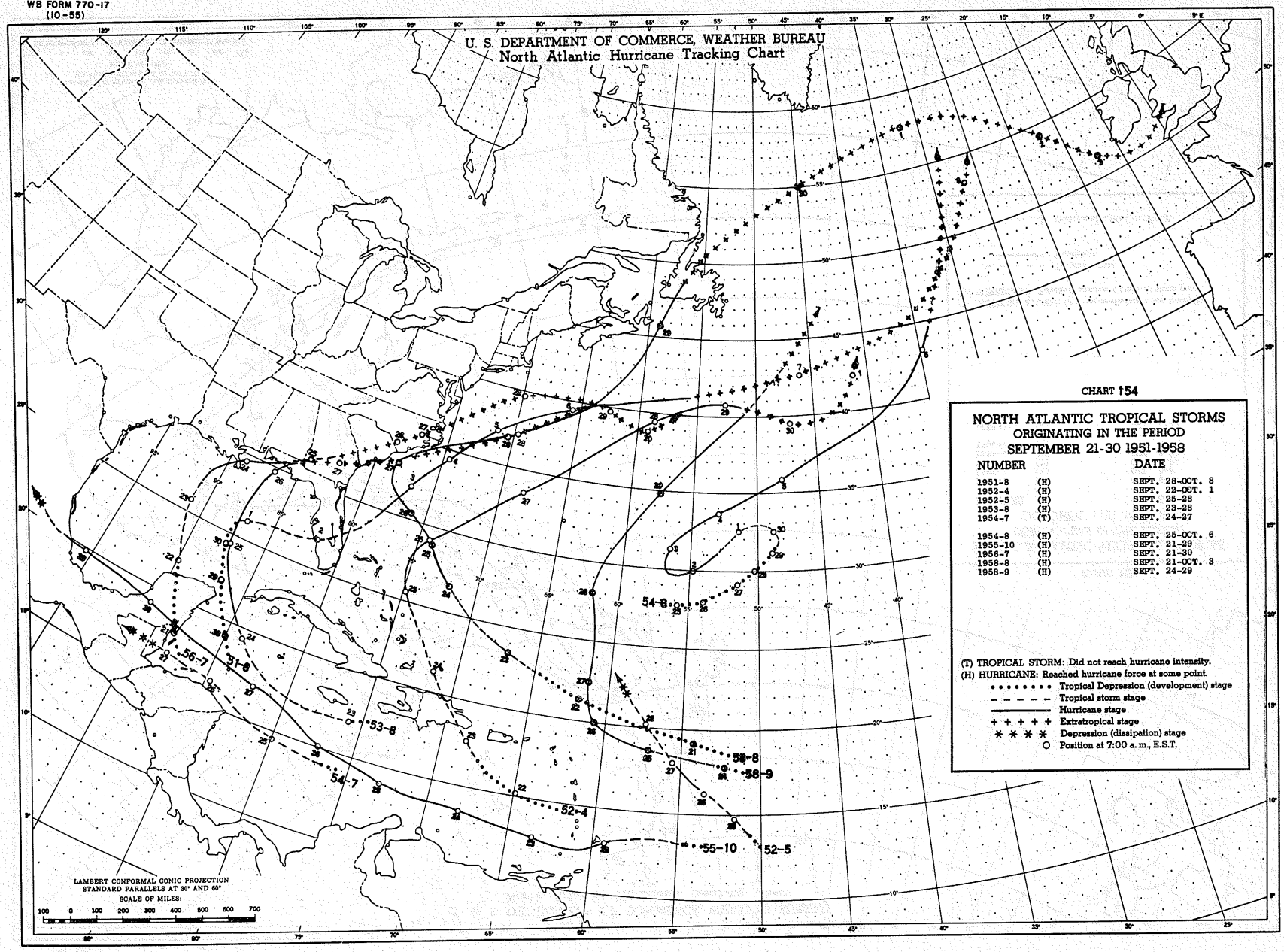
WB FORM 770-17
(10-55)



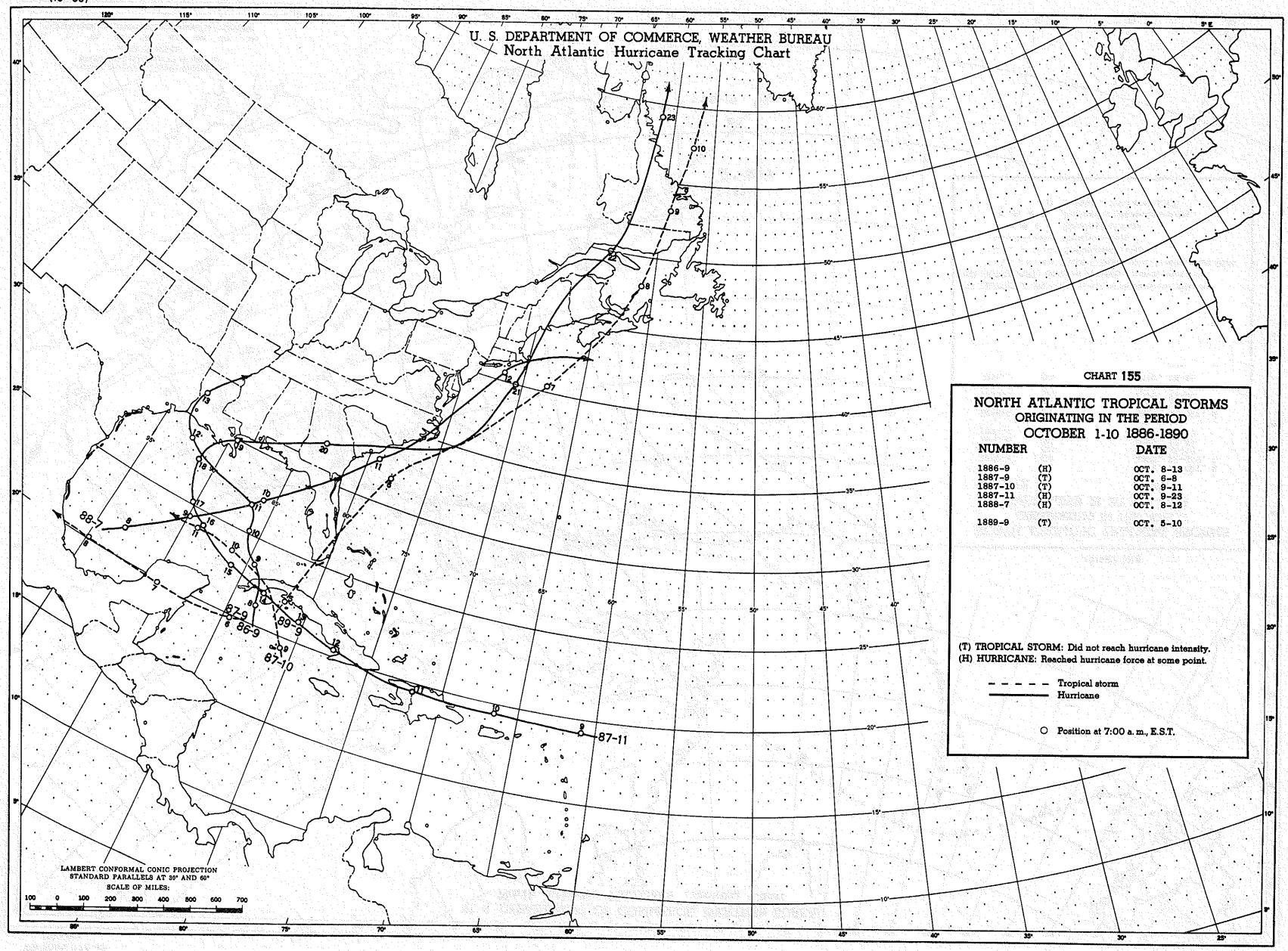
WB FORM 770-17
(10-55)



WB FORM 770-17
(10-55)



WB FORM 770-17
(10-55)



WB FORM 770-17
(10-55)

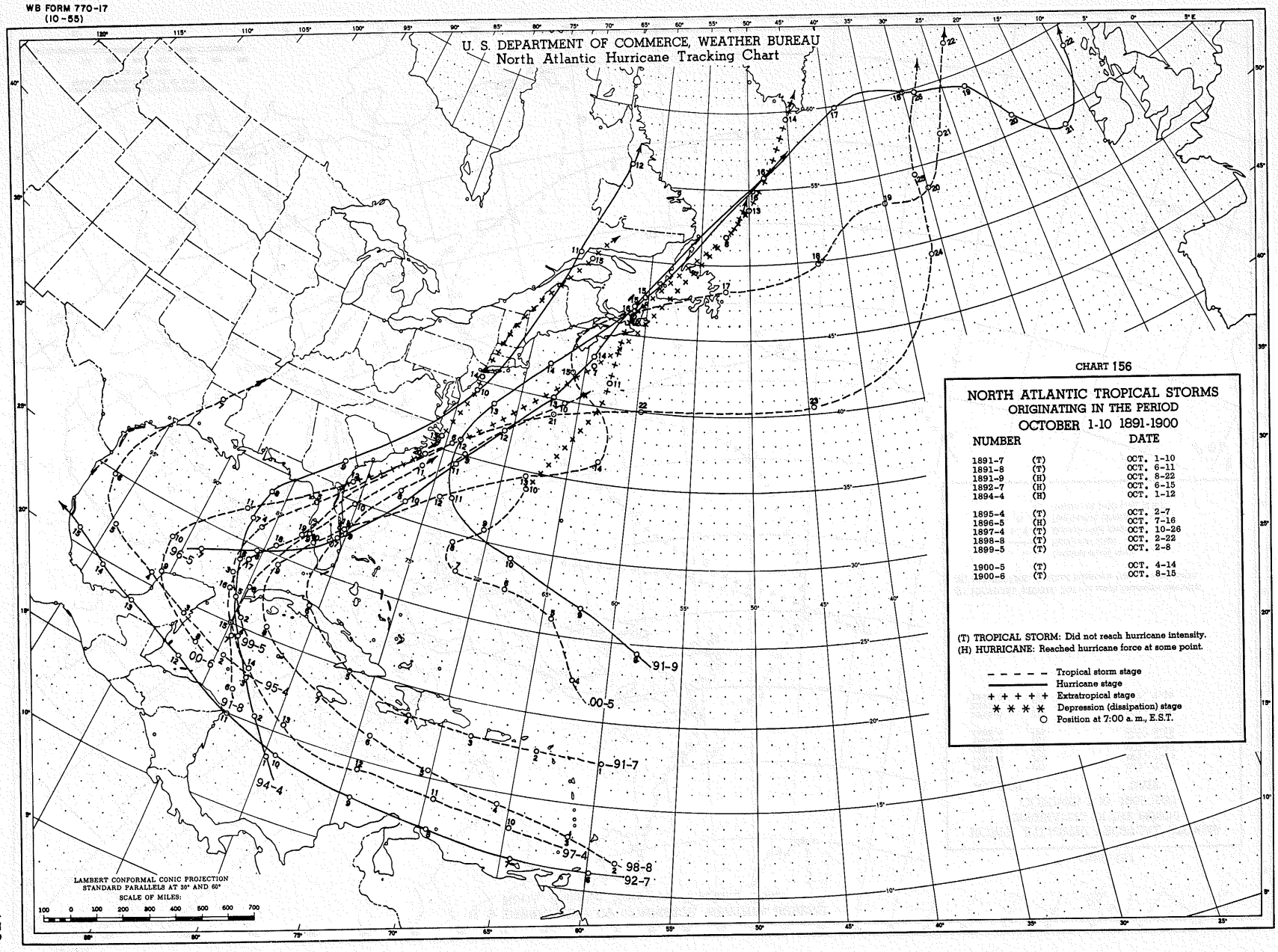



CHART 156

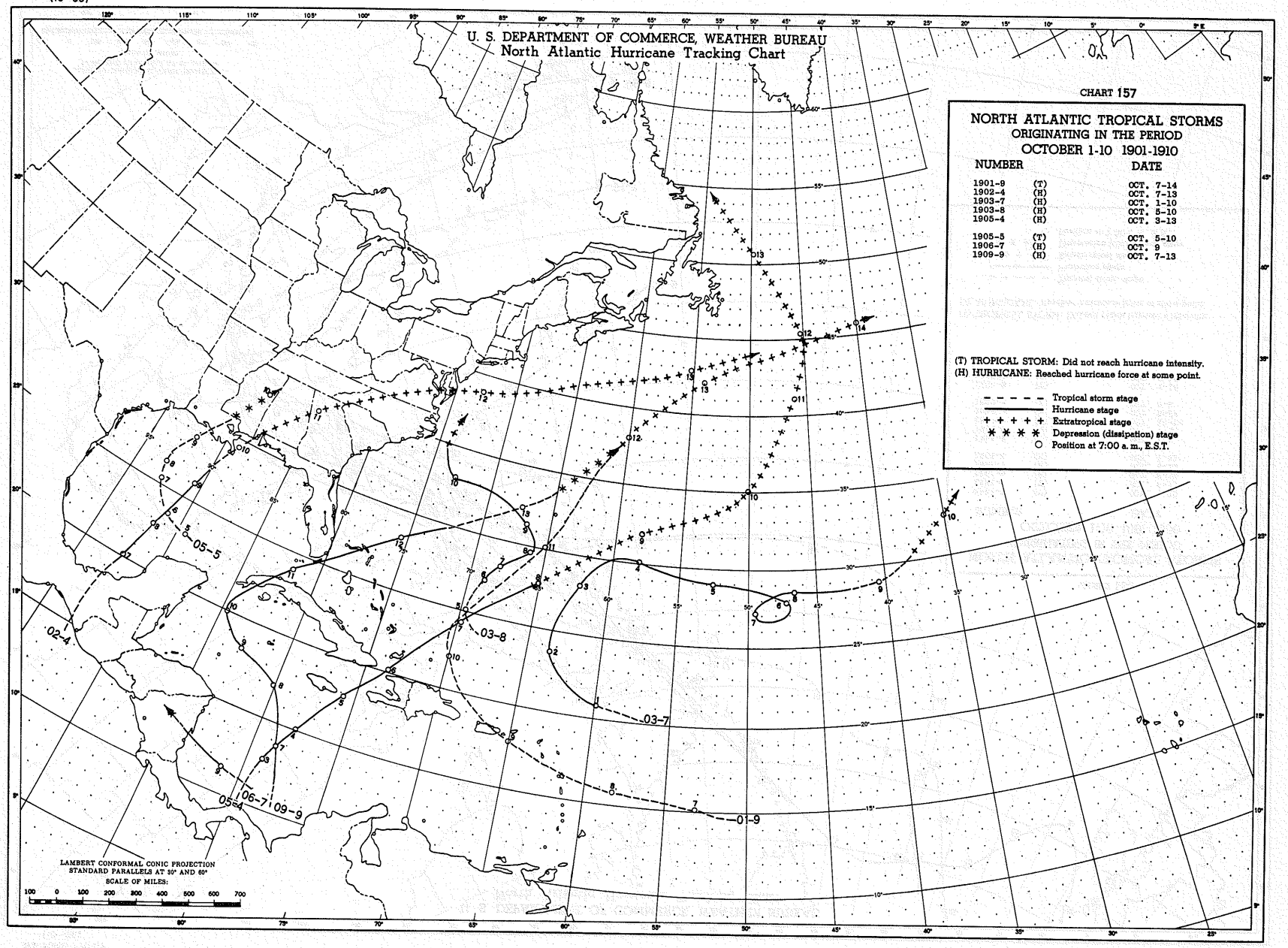
## NORTH ATLANTIC TROPICAL STORMS
### ORIGINATING IN THE PERIOD
### OCTOBER 1-10 1891-1900

| NUMBER | | DATE |
|---|---|---|
| 1891-7 | (T) | OCT. 1-10 |
| 1891-8 | (T) | OCT. 6-11 |
| 1891-9 | (H) | OCT. 8-22 |
| 1892-7 | (H) | OCT. 6-15 |
| 1894-4 | (H) | OCT. 1-12 |
| 1895-4 | (T) | OCT. 2-7 |
| 1896-5 | (H) | OCT. 7-16 |
| 1897-4 | (T) | OCT. 10-26 |
| 1898-8 | (T) | OCT. 2-22 |
| 1899-5 | (T) | OCT. 2-8 |
| 1900-5 | (T) | OCT. 4-14 |
| 1900-6 | (T) | OCT. 8-15 |

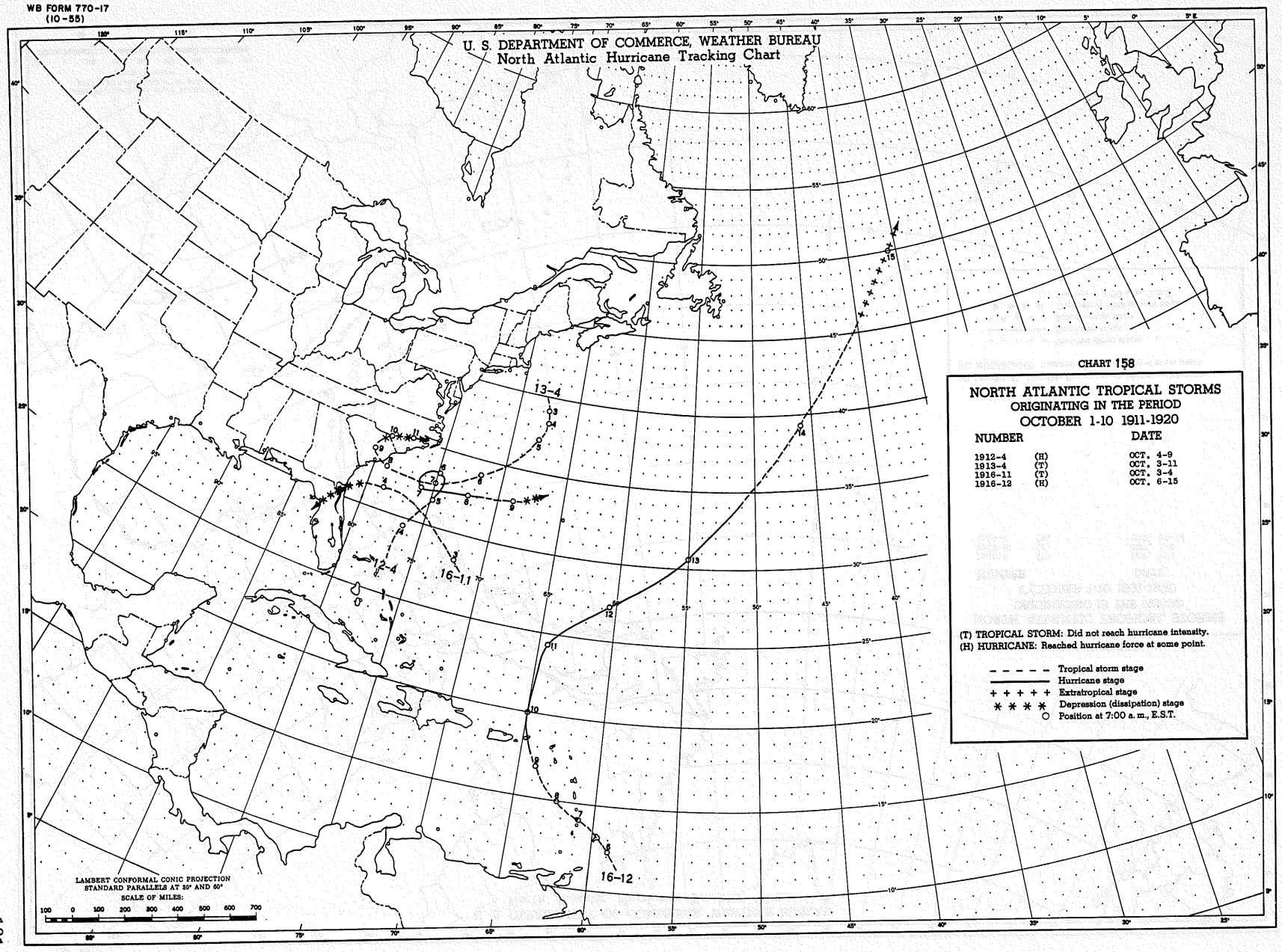
(T) TROPICAL STORM: Did not reach hurricane intensity.
(H) HURRICANE: Reached hurricane force at some point.

- – – – – Tropical storm stage
- ——— Hurricane stage
- + + + + + Extratropical stage
- * * * * Depression (dissipation) stage
- ○ Position at 7:00 a. m., E.S.T.

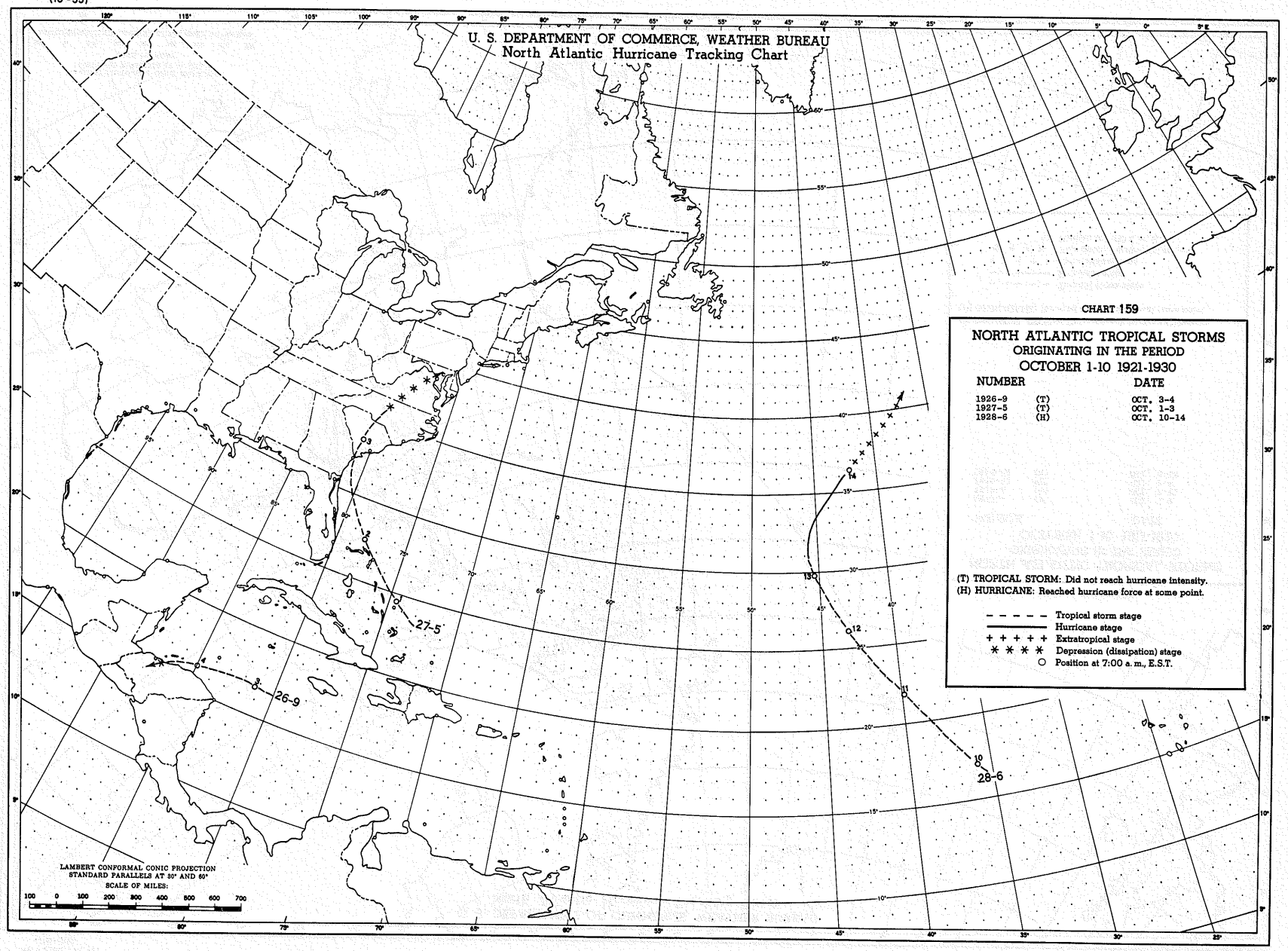
WB FORM 770-17
(10-55)



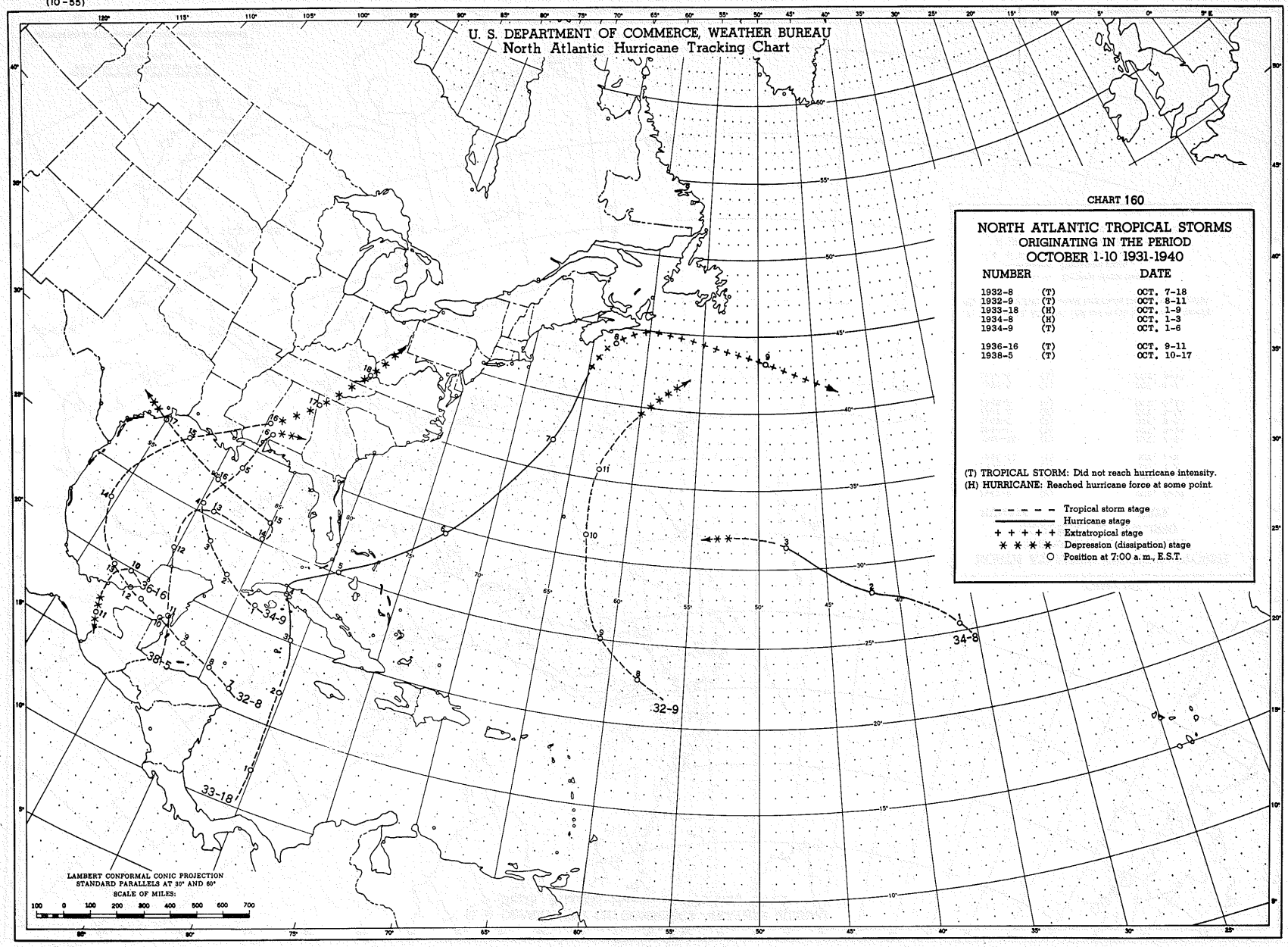
WB FORM 770-17
(10-55)



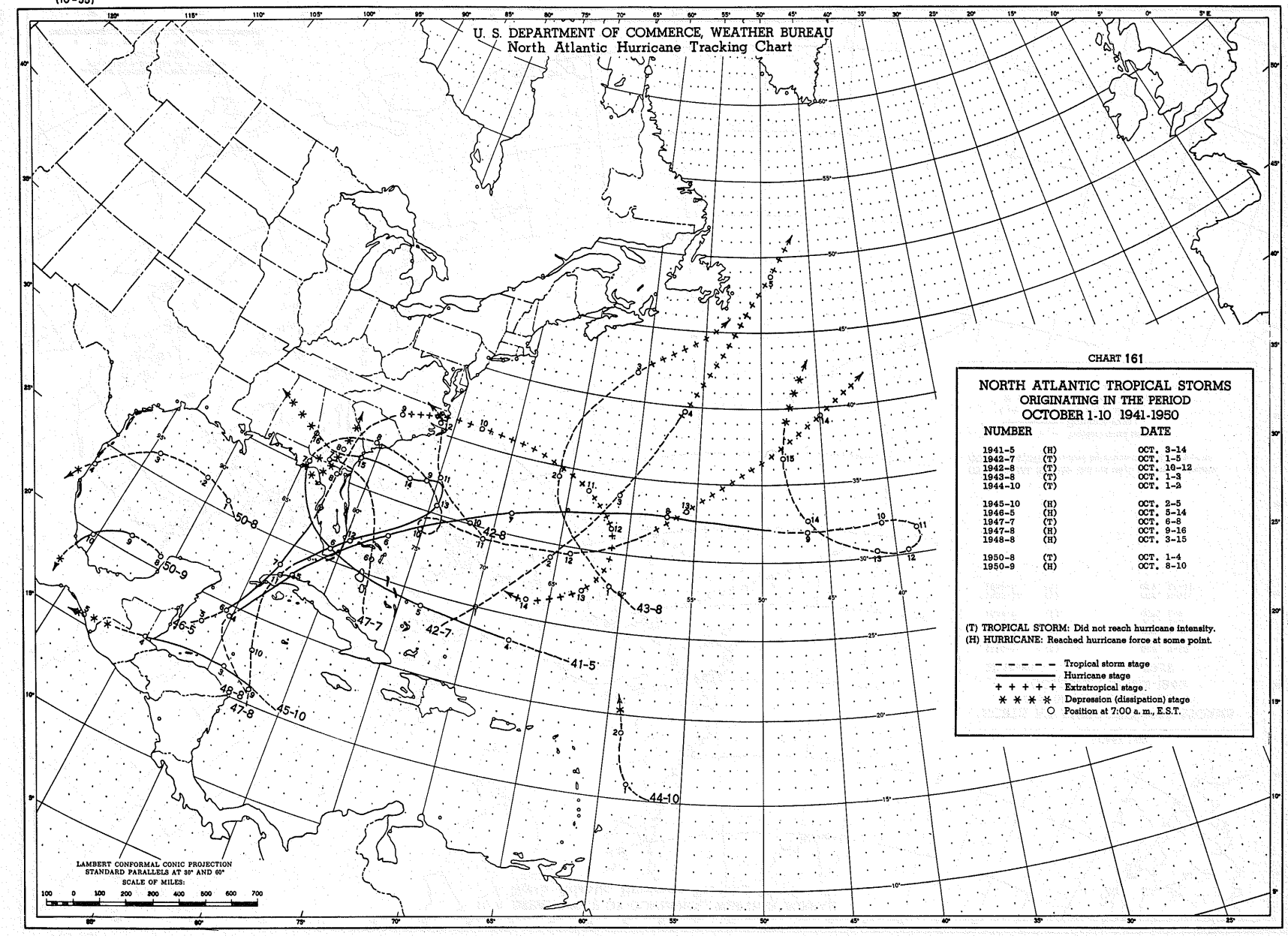
WB FORM 770-17
(10-55)



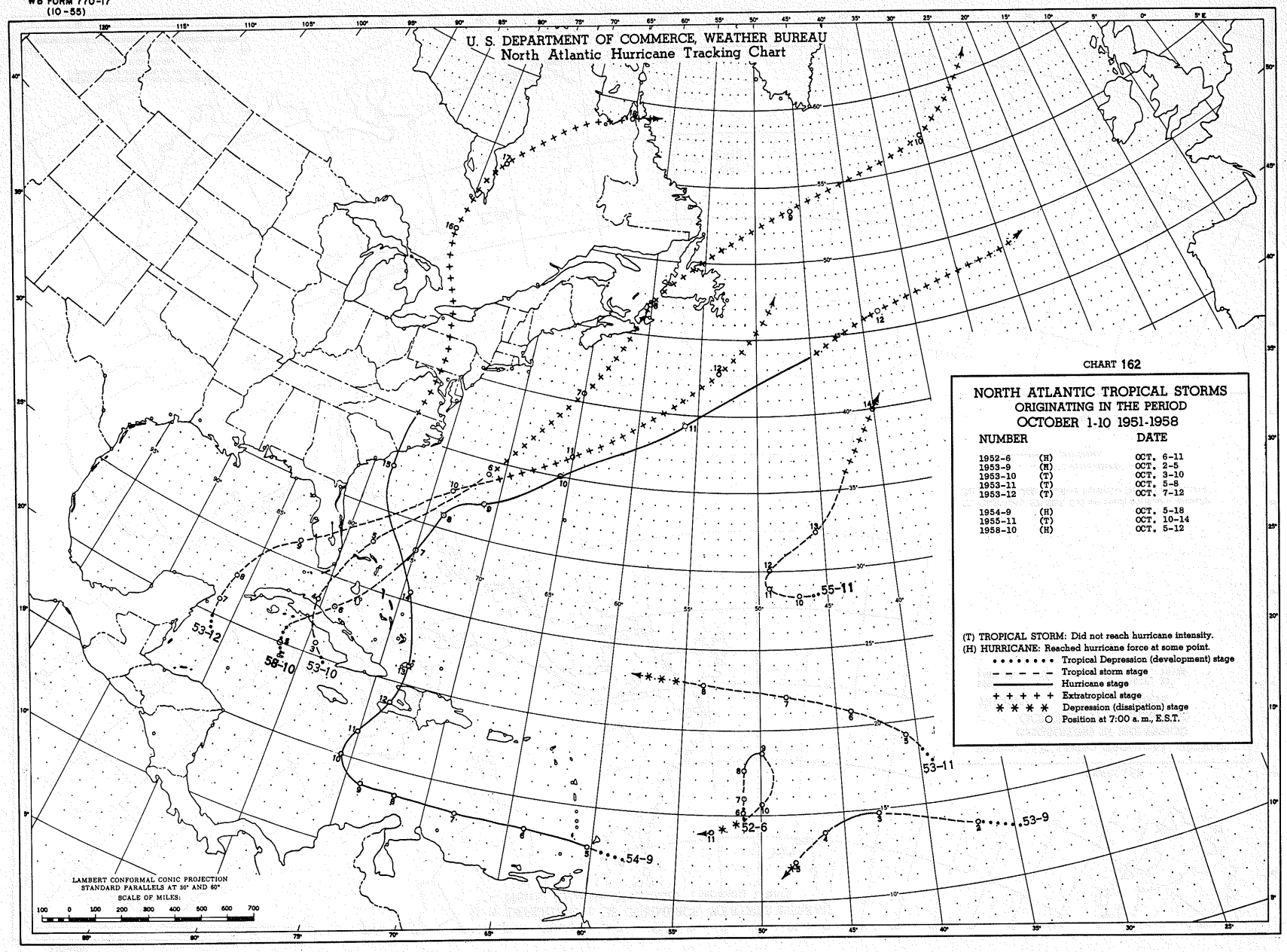
WB FORM 770-17
(10-55)



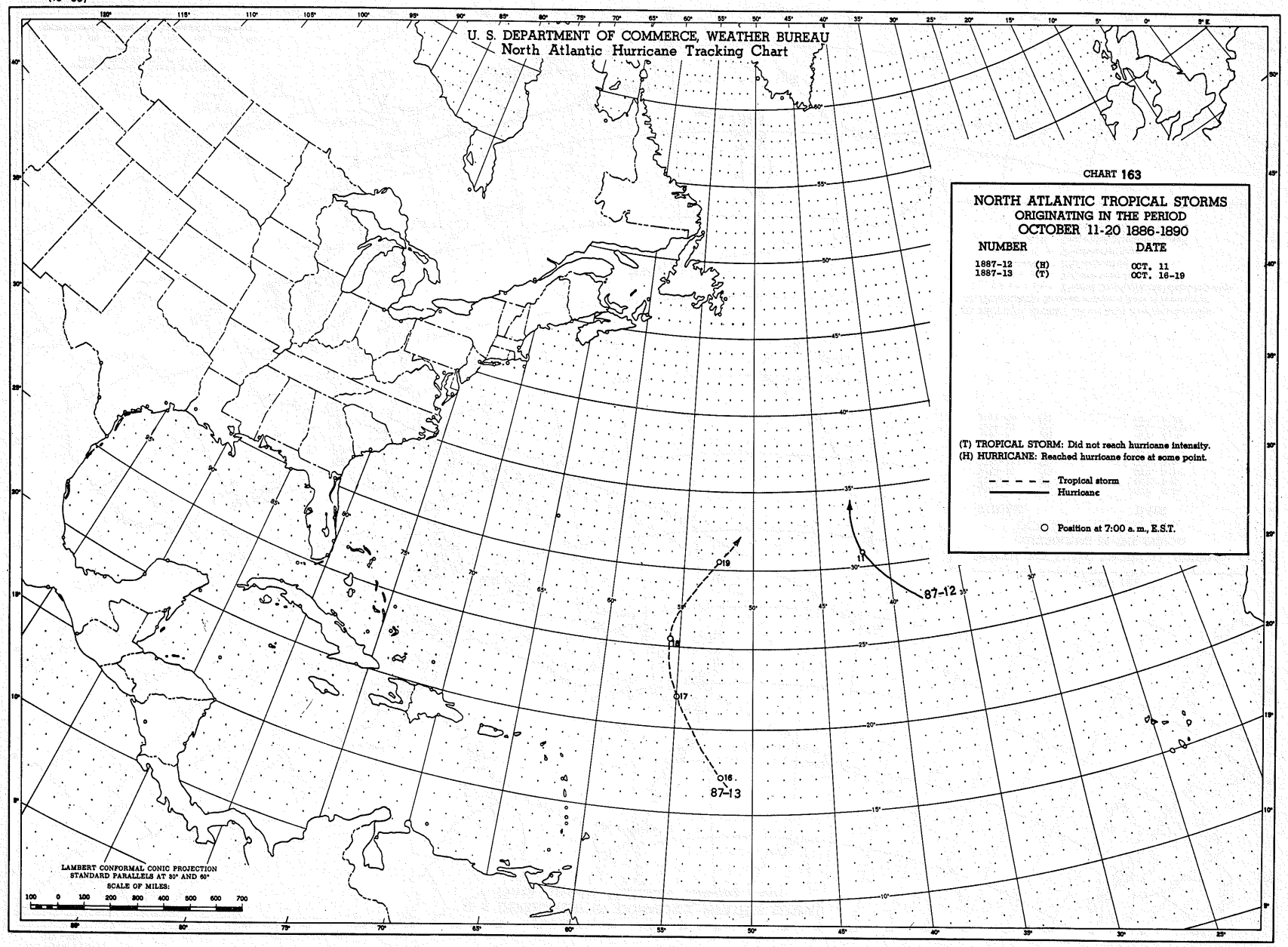
WB FORM 770-17
(10-55)



WB FORM 770-17
(10-55)



WB FORM 770-17
(10-55)



WB FORM 770-17
(10-55)

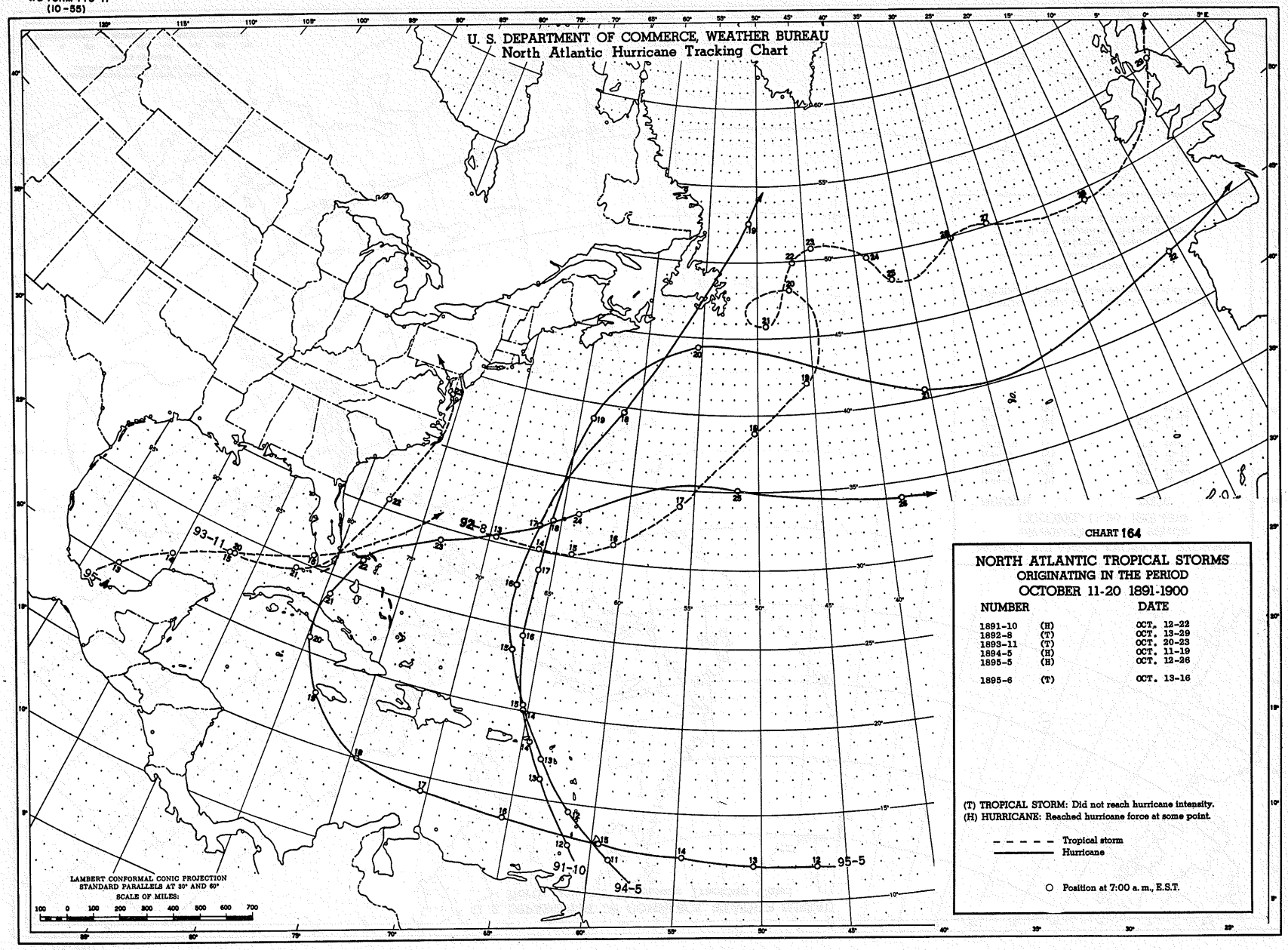



CHART 164

## NORTH ATLANTIC TROPICAL STORMS
### ORIGINATING IN THE PERIOD
### OCTOBER 11-20 1891-1900

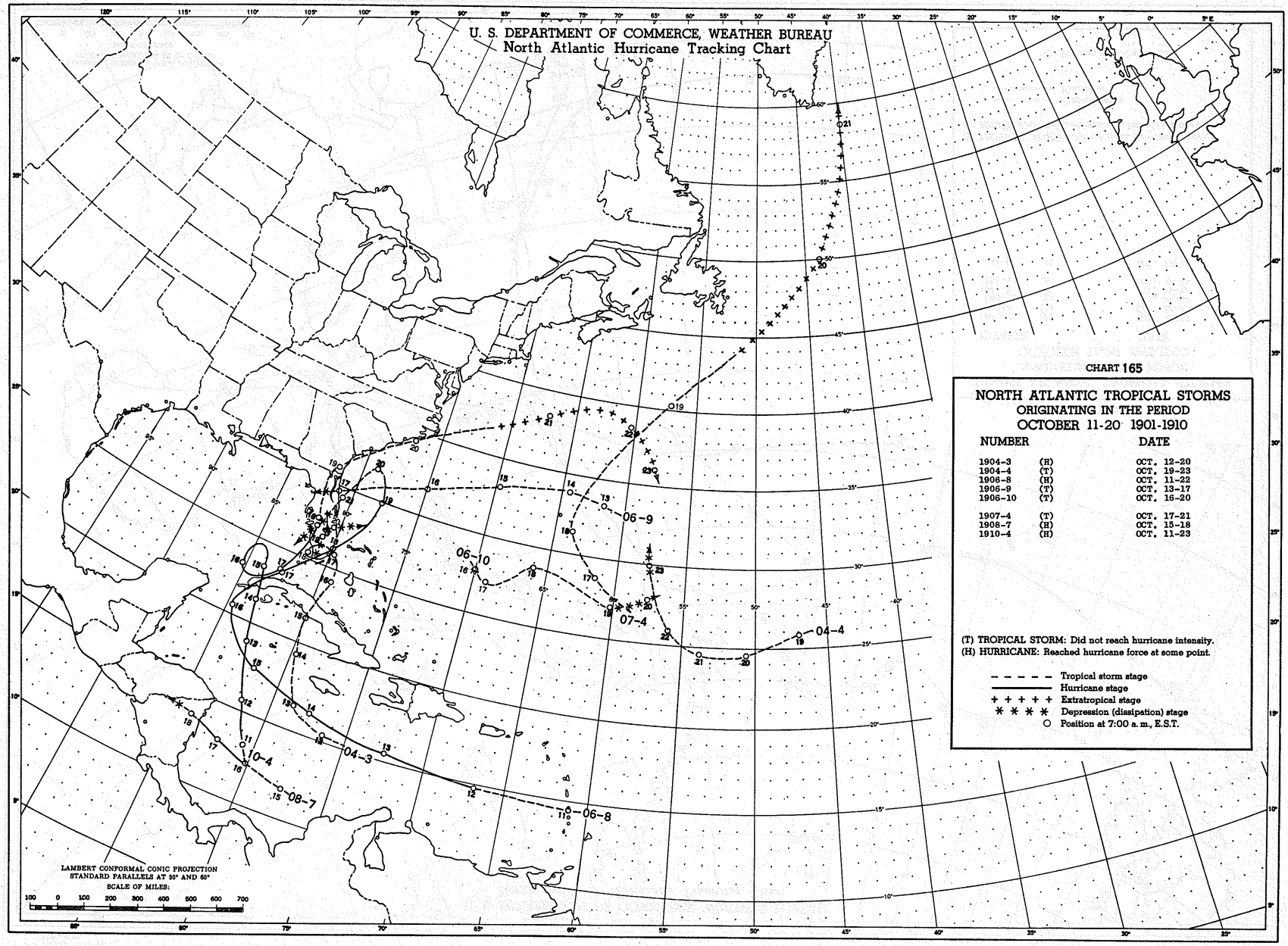
| NUMBER | | DATE |
|---|---|---|
| 1891-10 | (H) | OCT. 12-22 |
| 1892-8 | (T) | OCT. 13-29 |
| 1893-11 | (T) | OCT. 20-23 |
| 1894-5 | (H) | OCT. 11-19 |
| 1895-5 | (H) | OCT. 12-26 |
| 1895-6 | (T) | OCT. 13-16 |

(T) TROPICAL STORM: Did not reach hurricane intensity.
(H) HURRICANE: Reached hurricane force at some point.

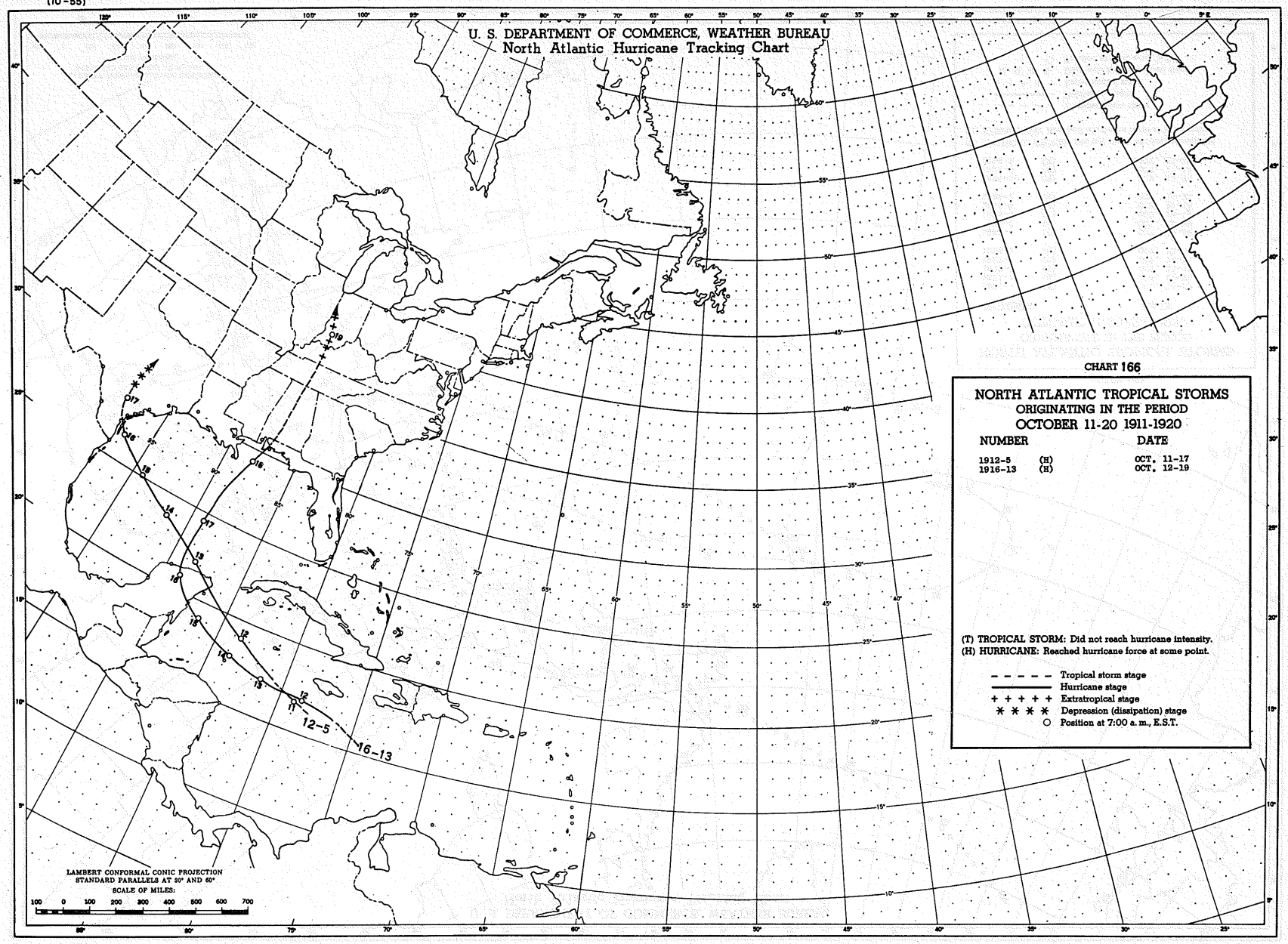
- - - - - Tropical storm
——— Hurricane

○ Position at 7:00 a. m., E.S.T.

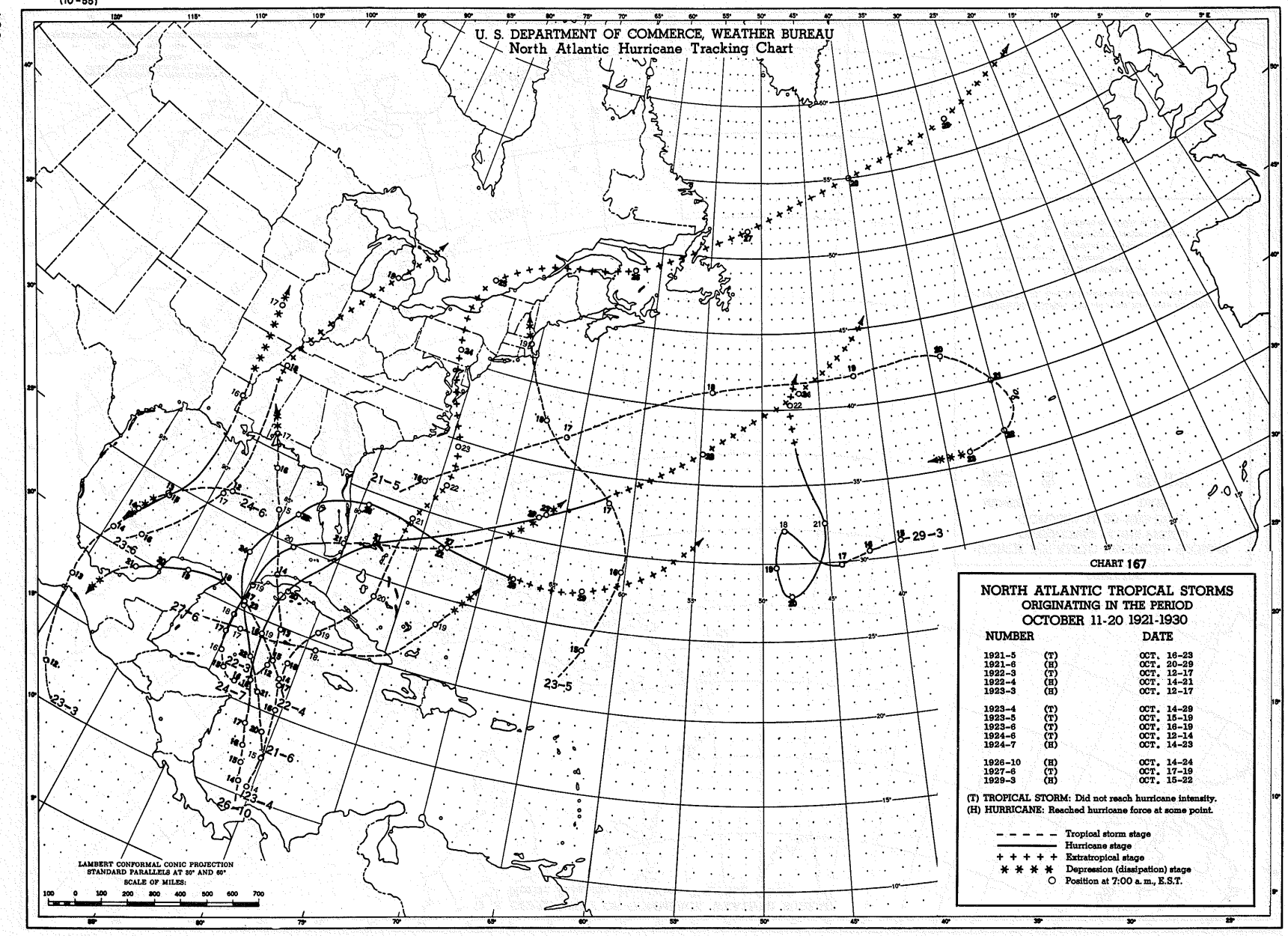
WB FORM 770-17
(10-55)



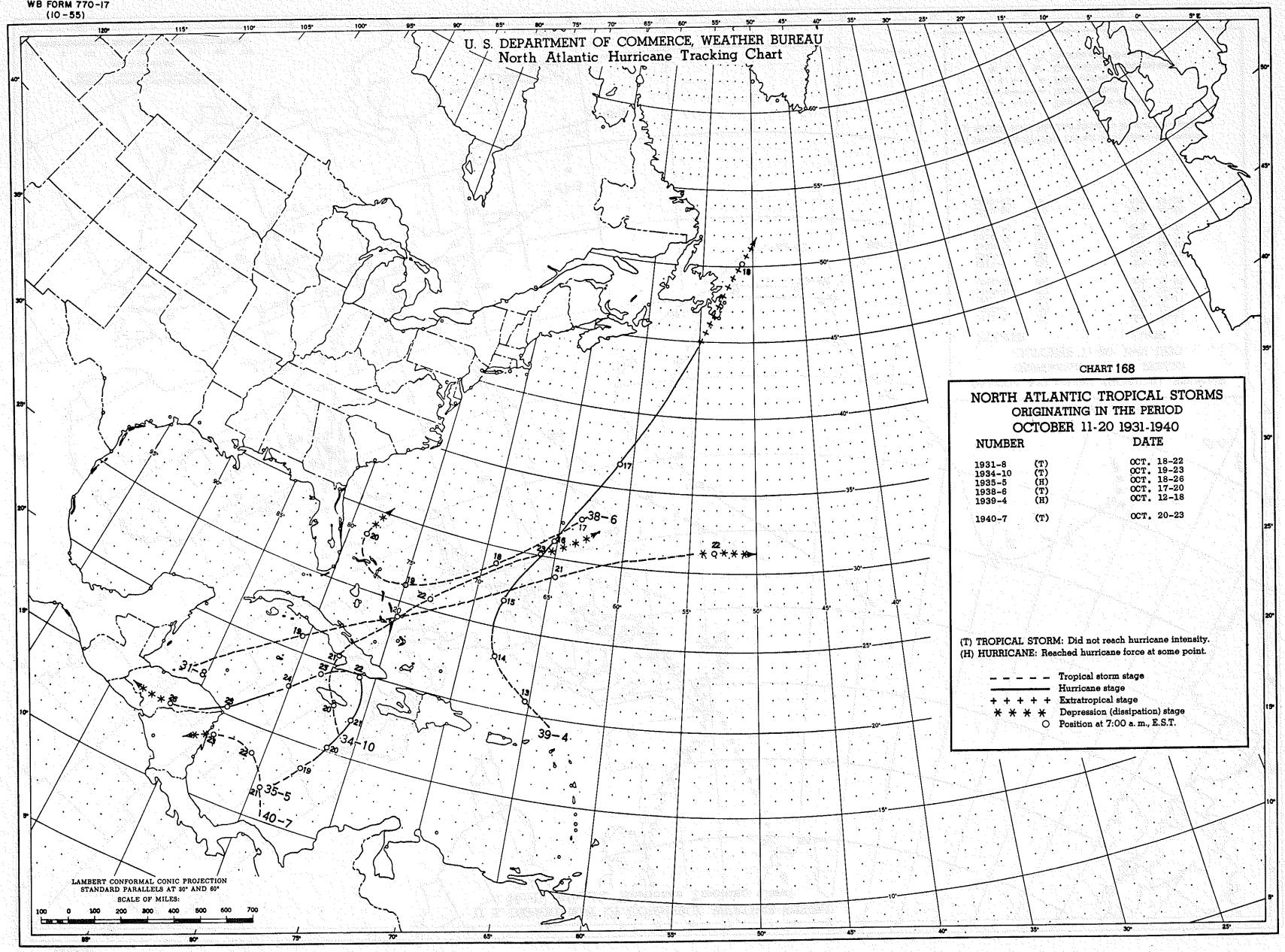
WB FORM 770-17
(10-55)



WB FORM 770-17
(10-55)



WB FORM 770-17
(10-55)



WB FORM 770-17
(10-55)

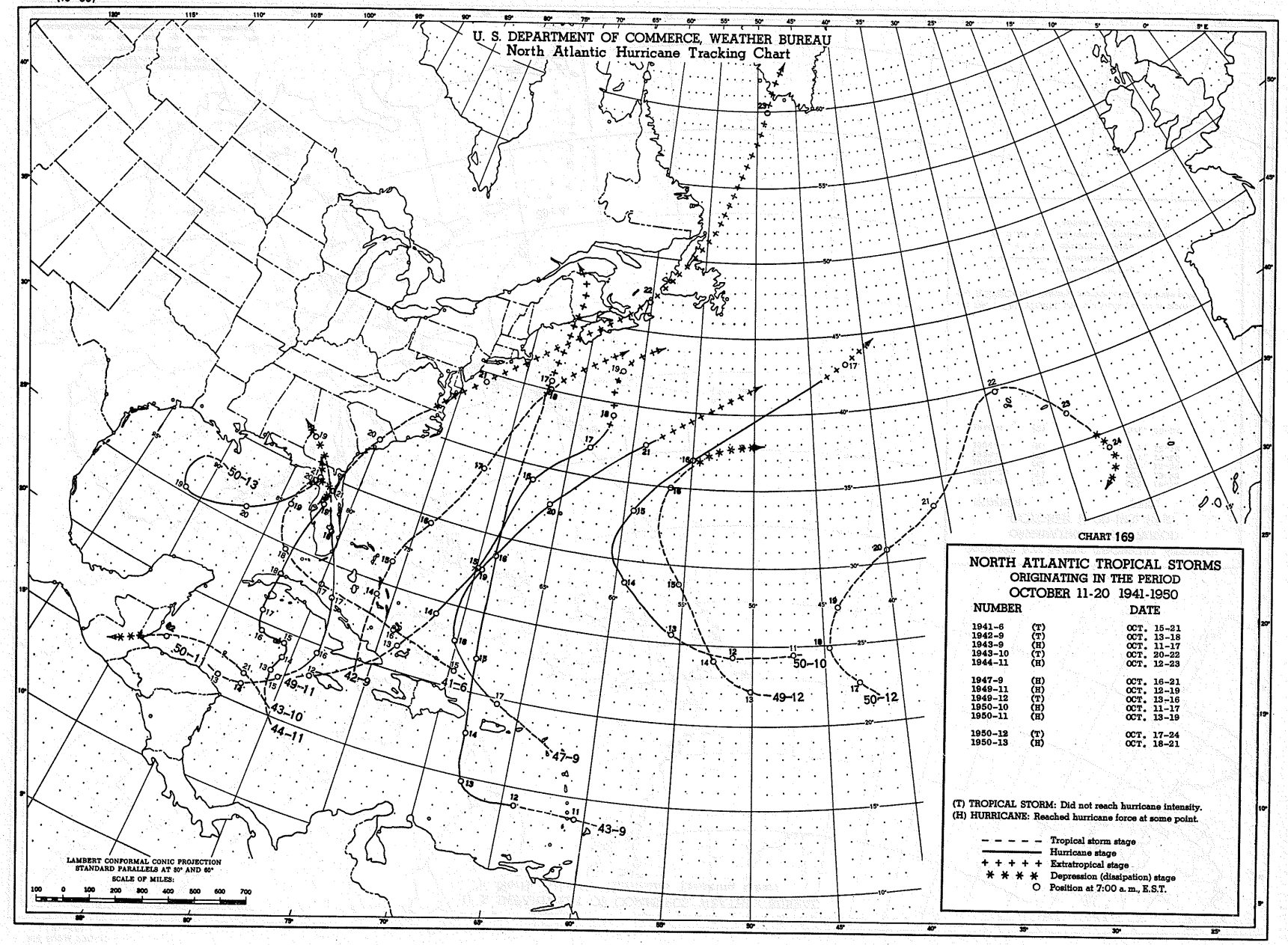



CHART 169

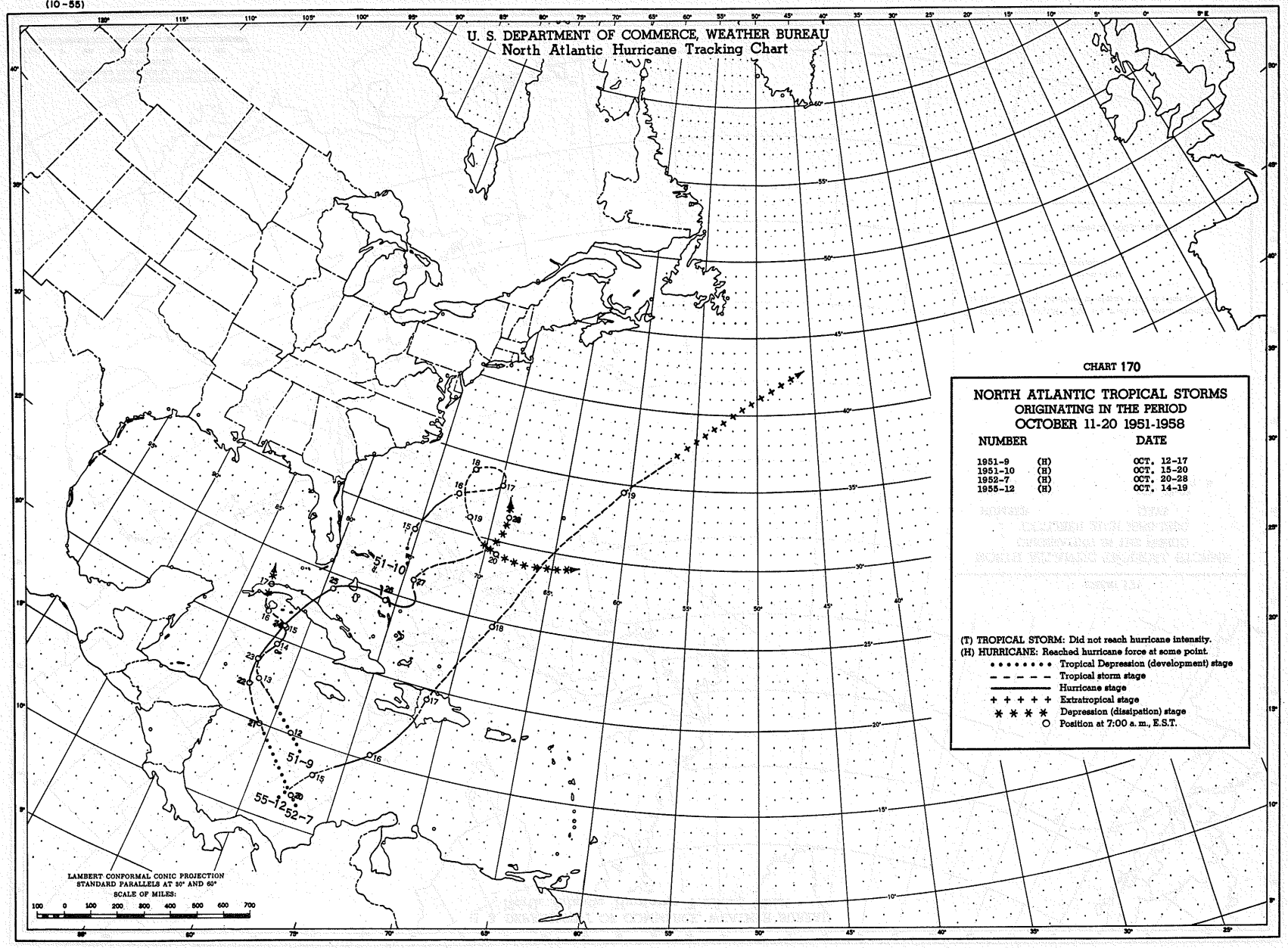
## NORTH ATLANTIC TROPICAL STORMS
### ORIGINATING IN THE PERIOD
### OCTOBER 11-20 1941-1950

| NUMBER | | DATE |
|---|---|---|
| 1941-6 | (T) | OCT. 15-21 |
| 1942-9 | (T) | OCT. 13-18 |
| 1943-9 | (H) | OCT. 11-17 |
| 1943-10 | (T) | OCT. 20-22 |
| 1944-11 | (H) | OCT. 12-23 |
| 1947-9 | (H) | OCT. 16-21 |
| 1949-11 | (H) | OCT. 12-19 |
| 1949-12 | (T) | OCT. 13-16 |
| 1950-10 | (H) | OCT. 11-17 |
| 1950-11 | (H) | OCT. 13-19 |
| 1950-12 | (T) | OCT. 17-24 |
| 1950-13 | (H) | OCT. 18-21 |

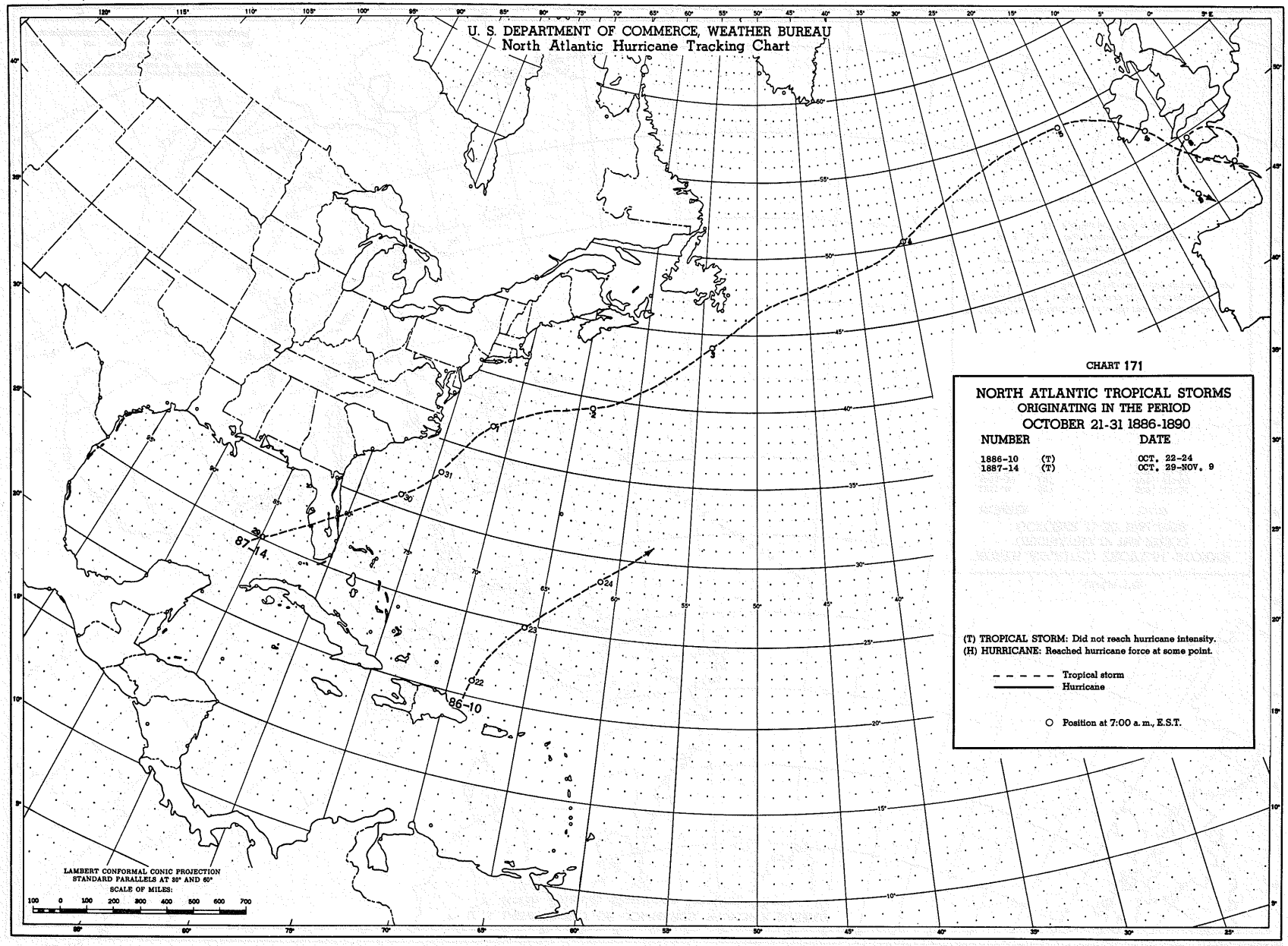
(T) TROPICAL STORM: Did not reach hurricane intensity.
(H) HURRICANE: Reached hurricane force at some point.

- - - - - Tropical storm stage
——— Hurricane stage
+ + + + + Extratropical stage
* * * * Depression (dissipation) stage
O Position at 7:00 a. m., E.S.T.

WB FORM 770-17
(10-55)



WB FORM 770-17
(10-55)



WB FORM 770-17
(10-55)

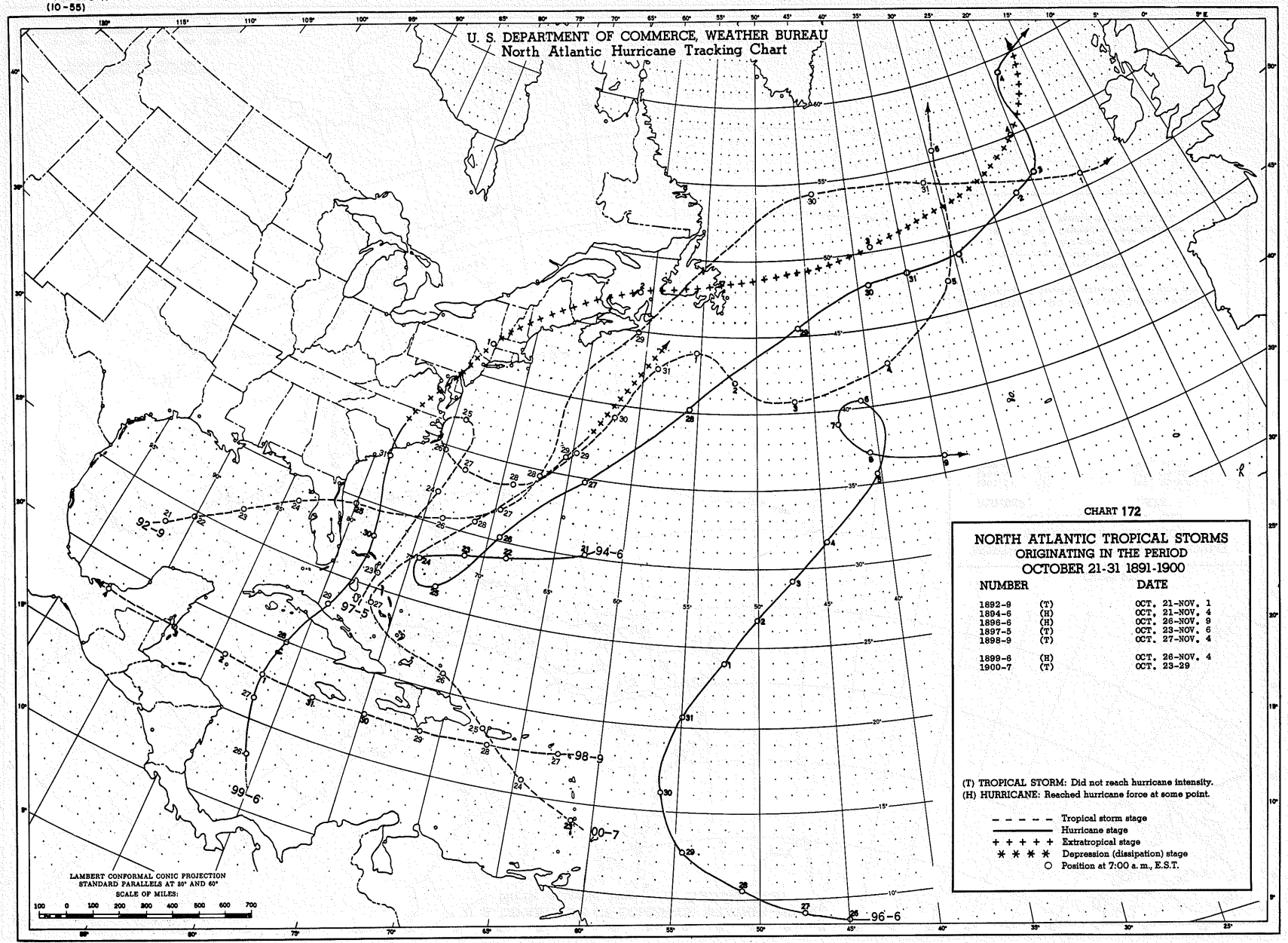



CHART 172

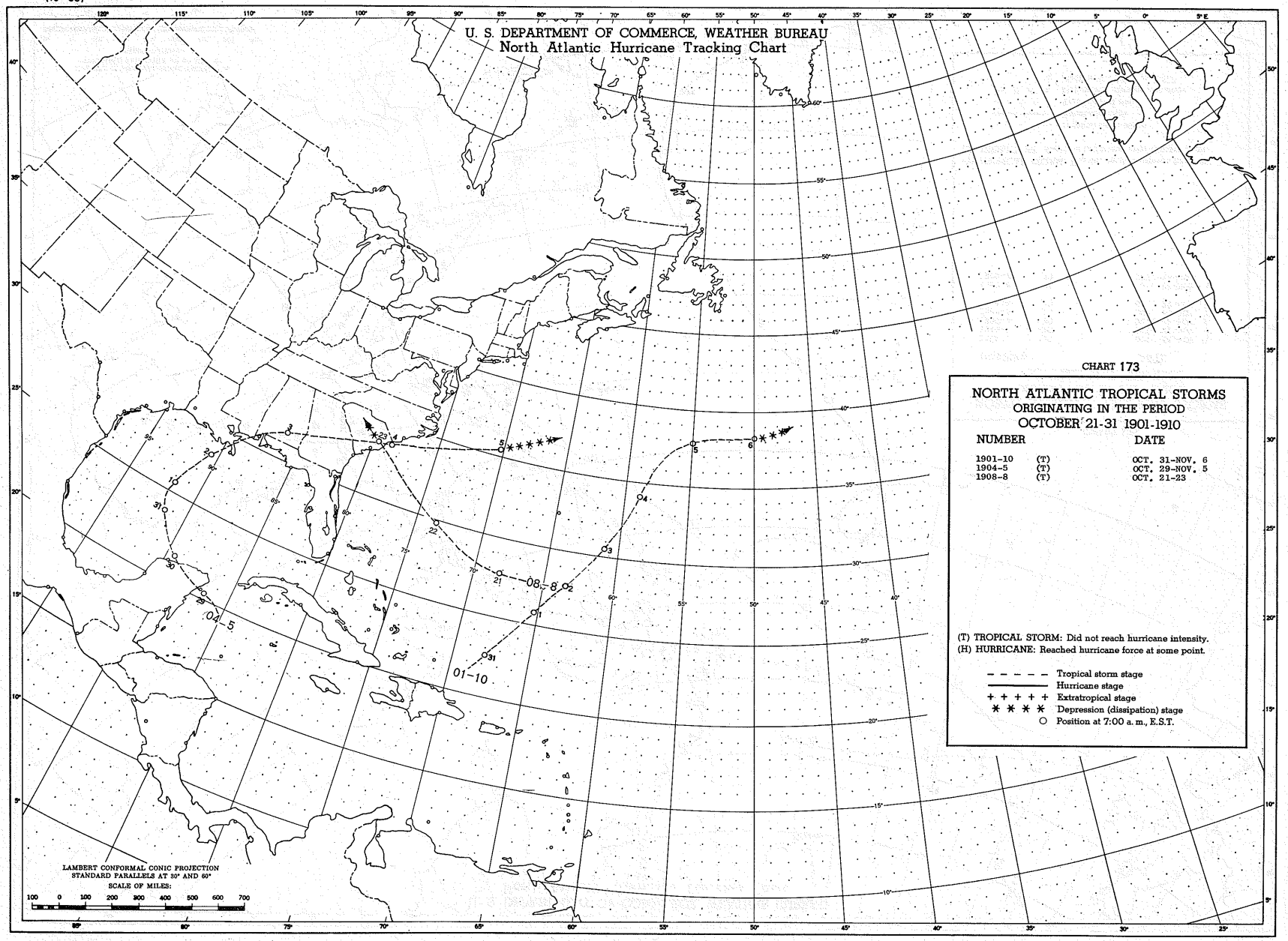
## NORTH ATLANTIC TROPICAL STORMS
### ORIGINATING IN THE PERIOD
### OCTOBER 21-31 1891-1900

| NUMBER | | DATE |
|---|---|---|
| 1892-9 | (T) | OCT. 21-NOV. 1 |
| 1894-6 | (H) | OCT. 21-NOV. 4 |
| 1896-6 | (H) | OCT. 26-NOV. 9 |
| 1897-5 | (T) | OCT. 23-NOV. 6 |
| 1898-9 | (T) | OCT. 27-NOV. 4 |
| 1899-6 | (H) | OCT. 26-NOV. 4 |
| 1900-7 | (T) | OCT. 23-29 |

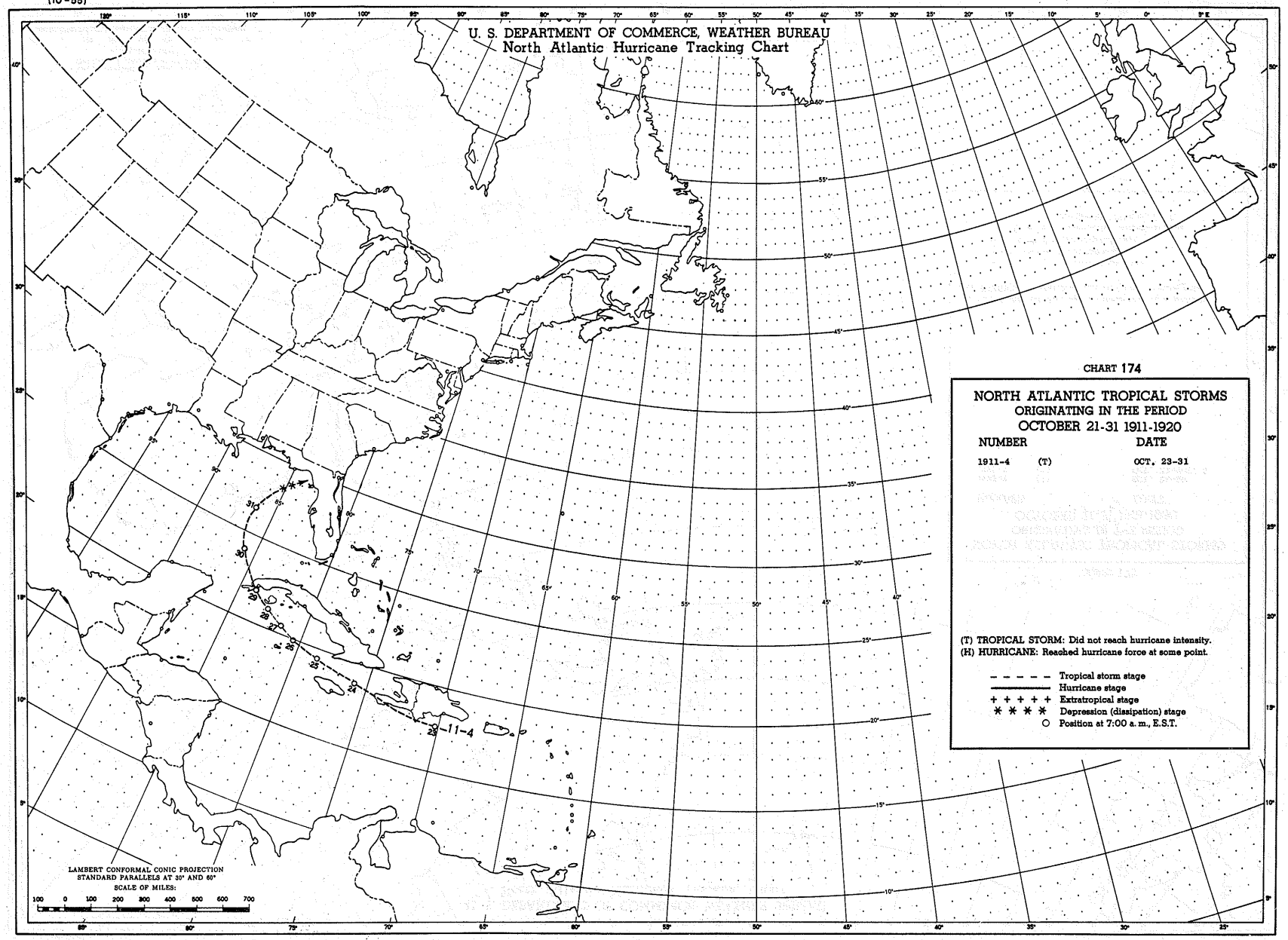
(T) TROPICAL STORM: Did not reach hurricane intensity.
(H) HURRICANE: Reached hurricane force at some point.

- – – – – Tropical storm stage
- ——— Hurricane stage
- + + + + + Extratropical stage
- * * * * Depression (dissipation) stage
- ○ Position at 7:00 a. m., E.S.T.

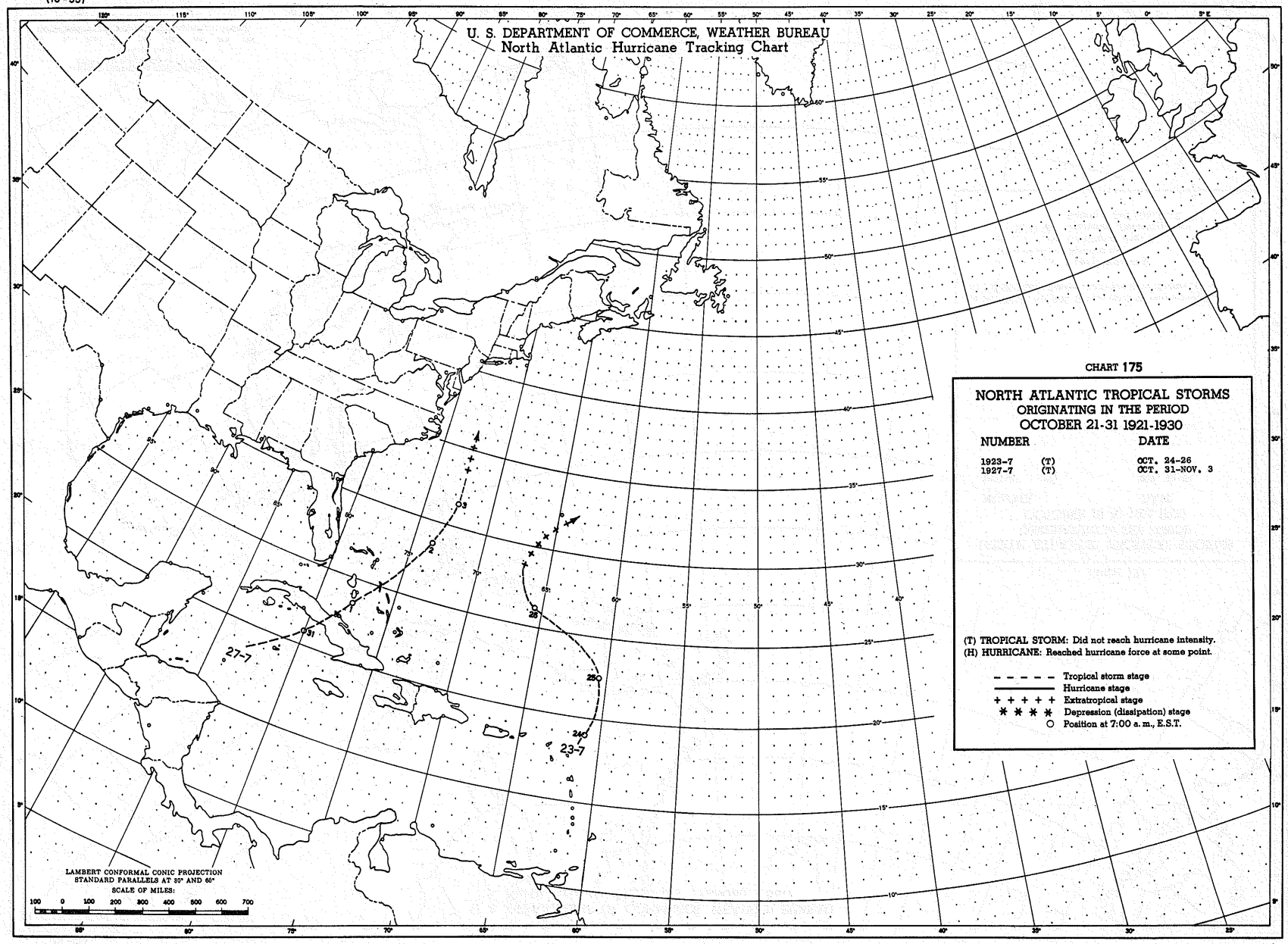
WB FORM 770-17
(10-55)



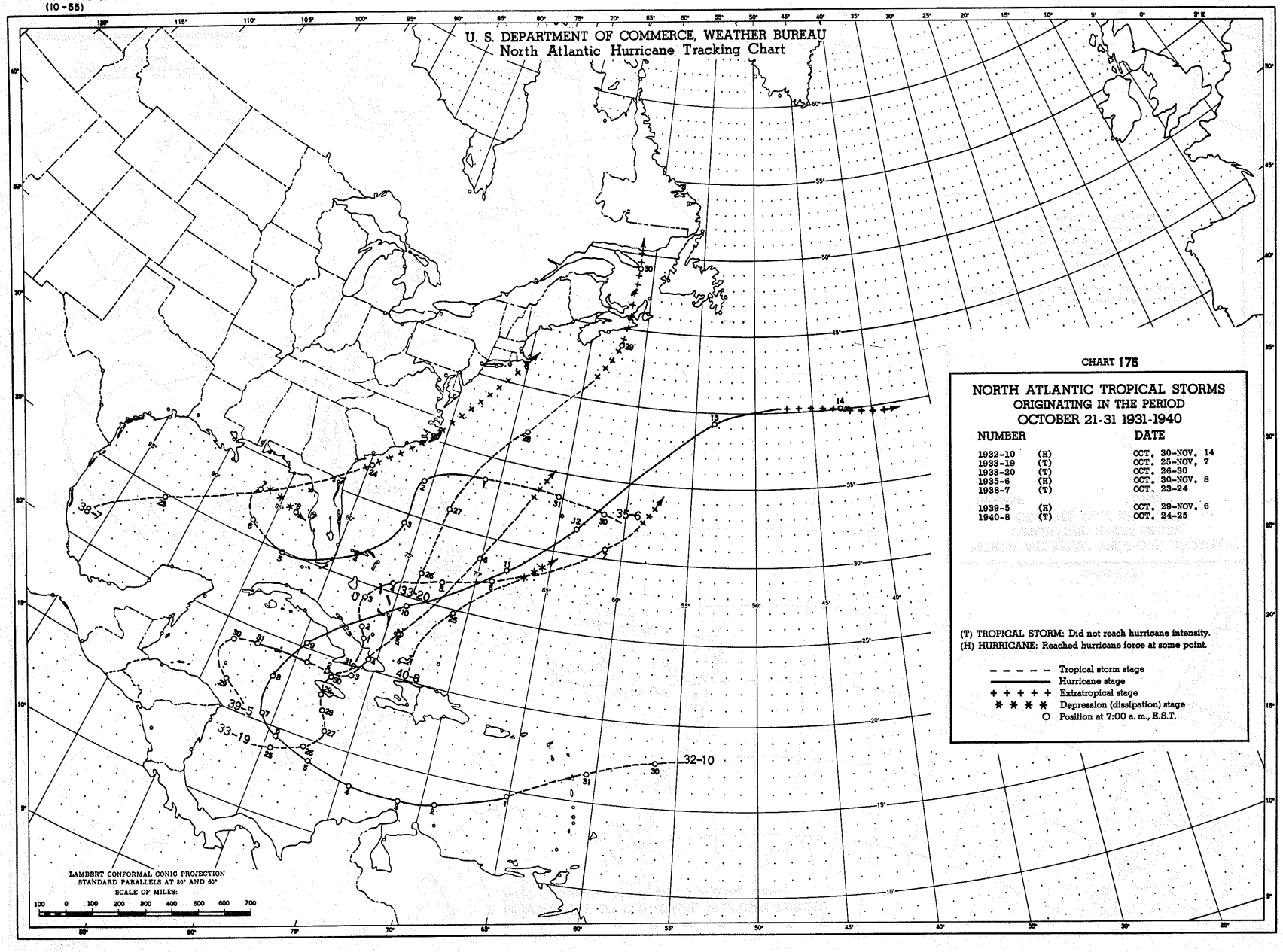
WB FORM 770-17
(10-55)



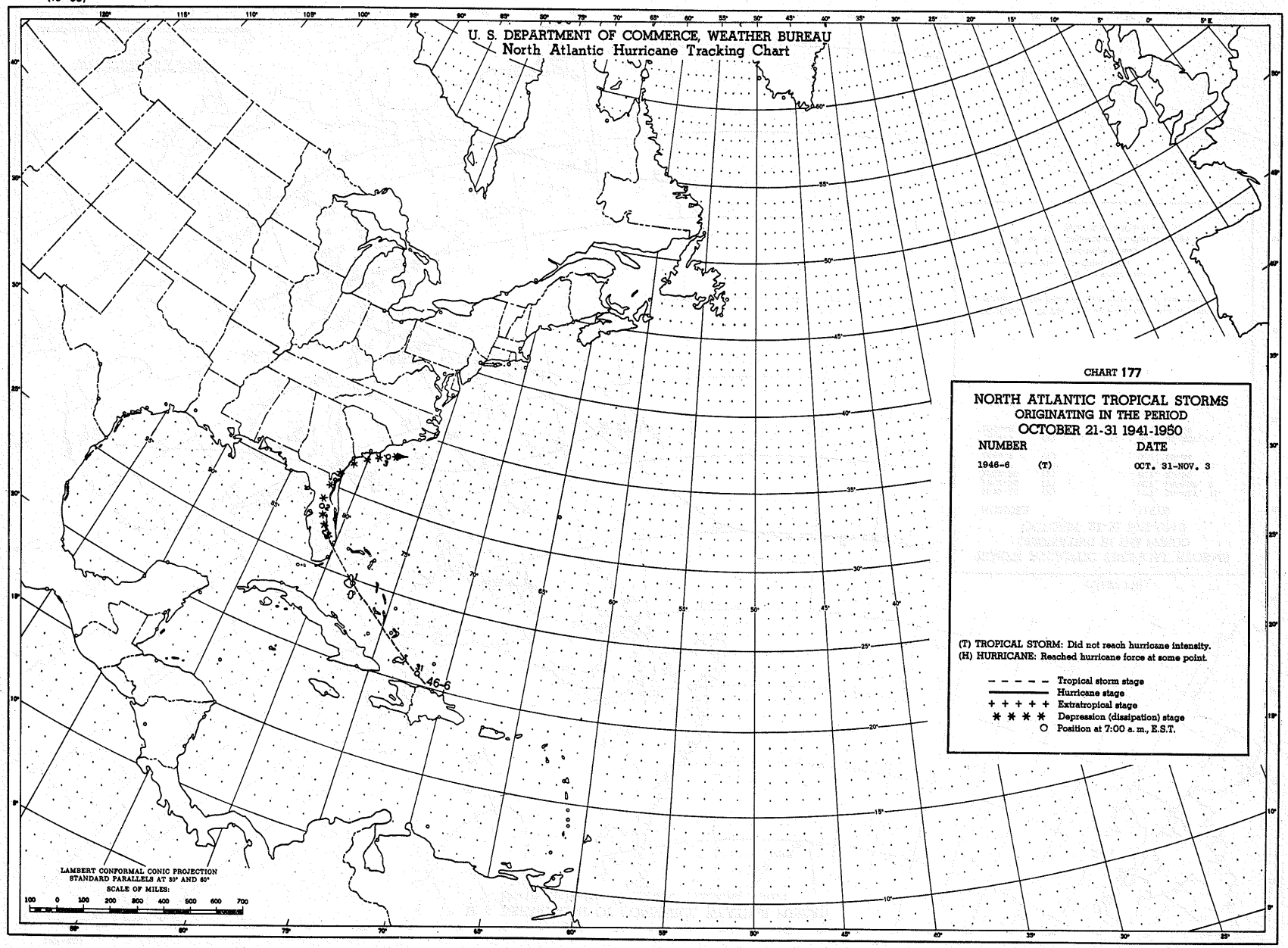
WB FORM 770-17
(10-55)



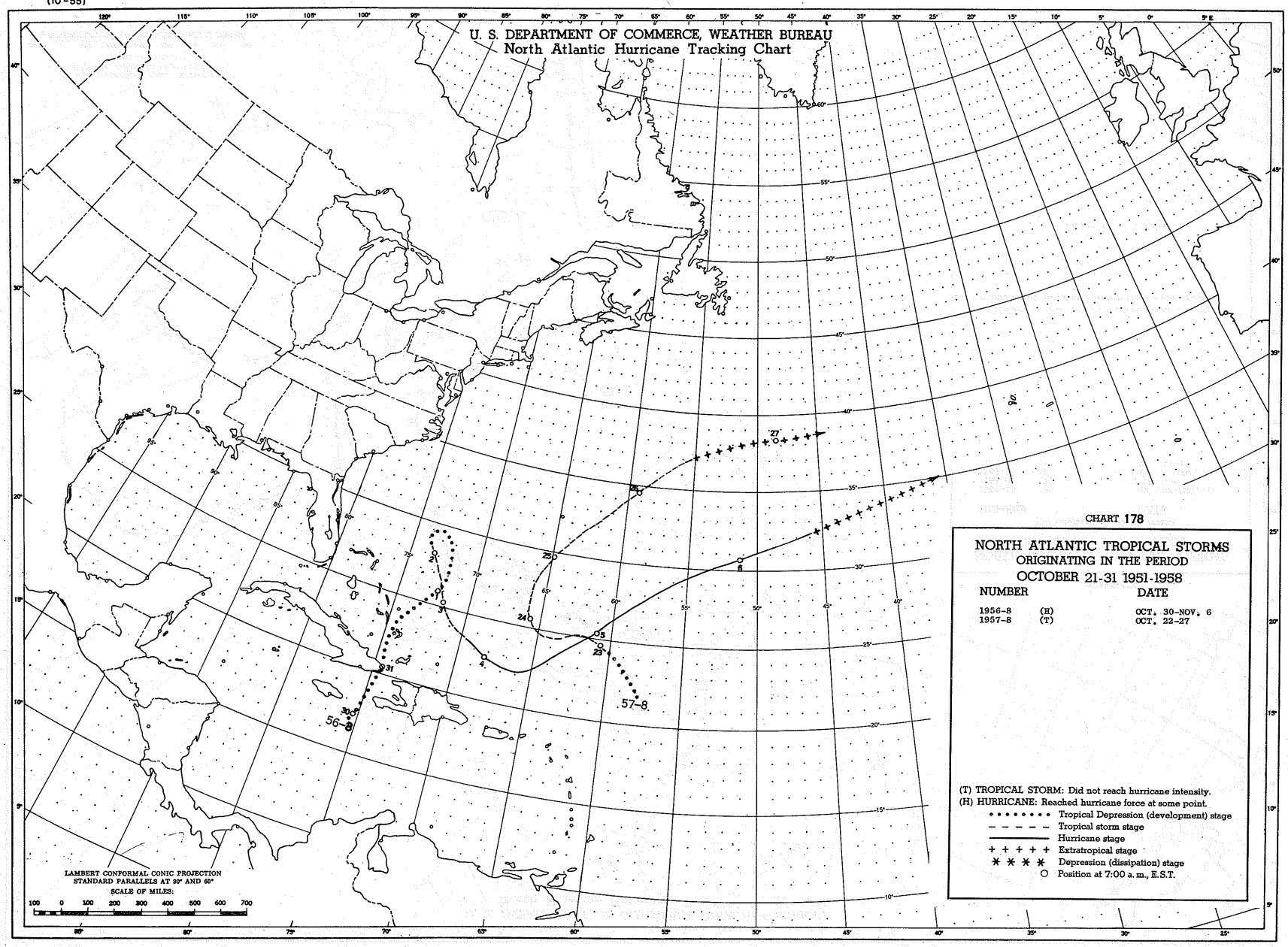
WB FORM 770-17
(10-55)



WB FORM 770-17
(10-55)



WB FORM 770-17
(10-55)



WB FORM 770-17
(10-55)

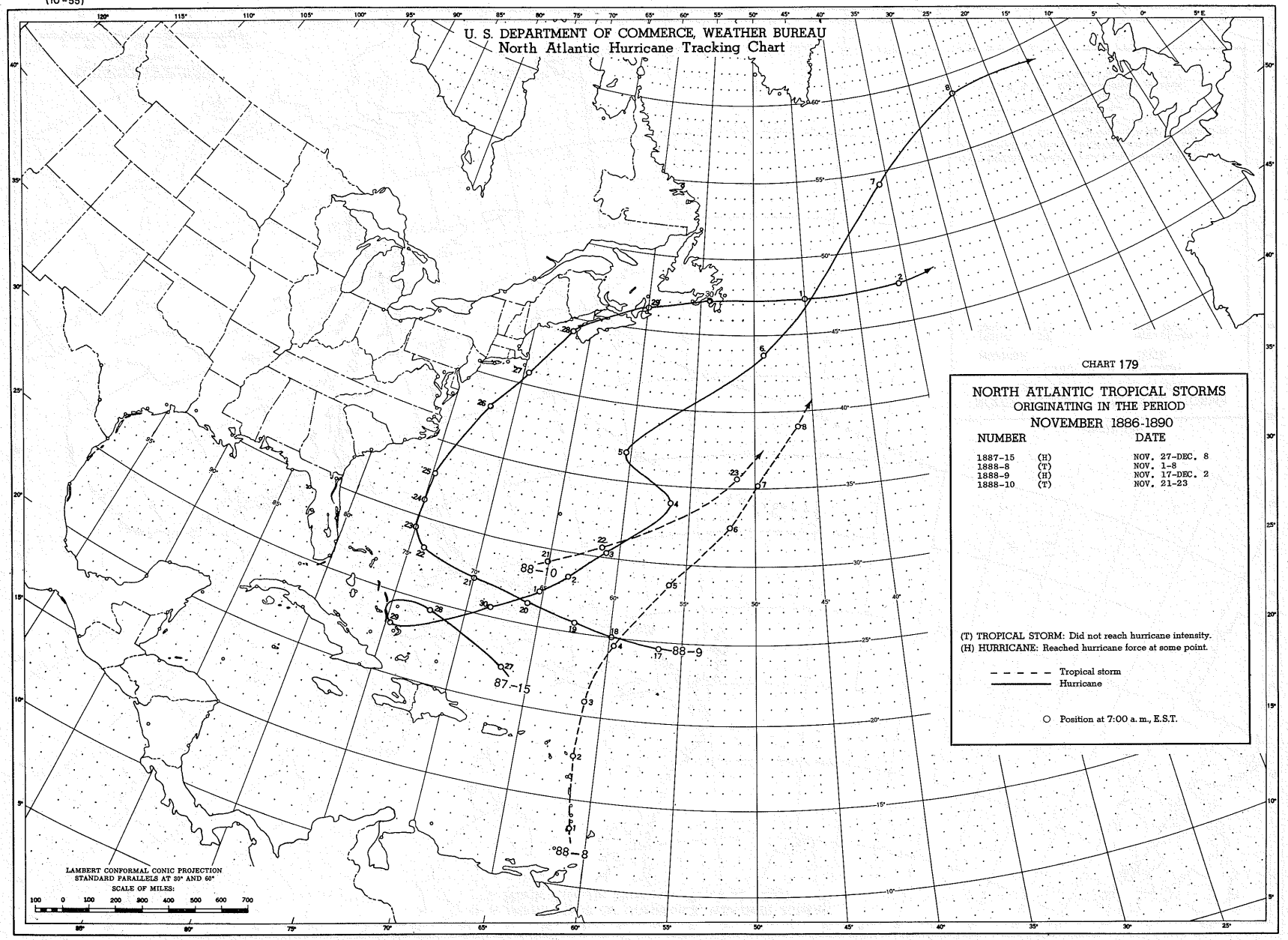



CHART 179

## NORTH ATLANTIC TROPICAL STORMS
ORIGINATING IN THE PERIOD
NOVEMBER 1886-1890

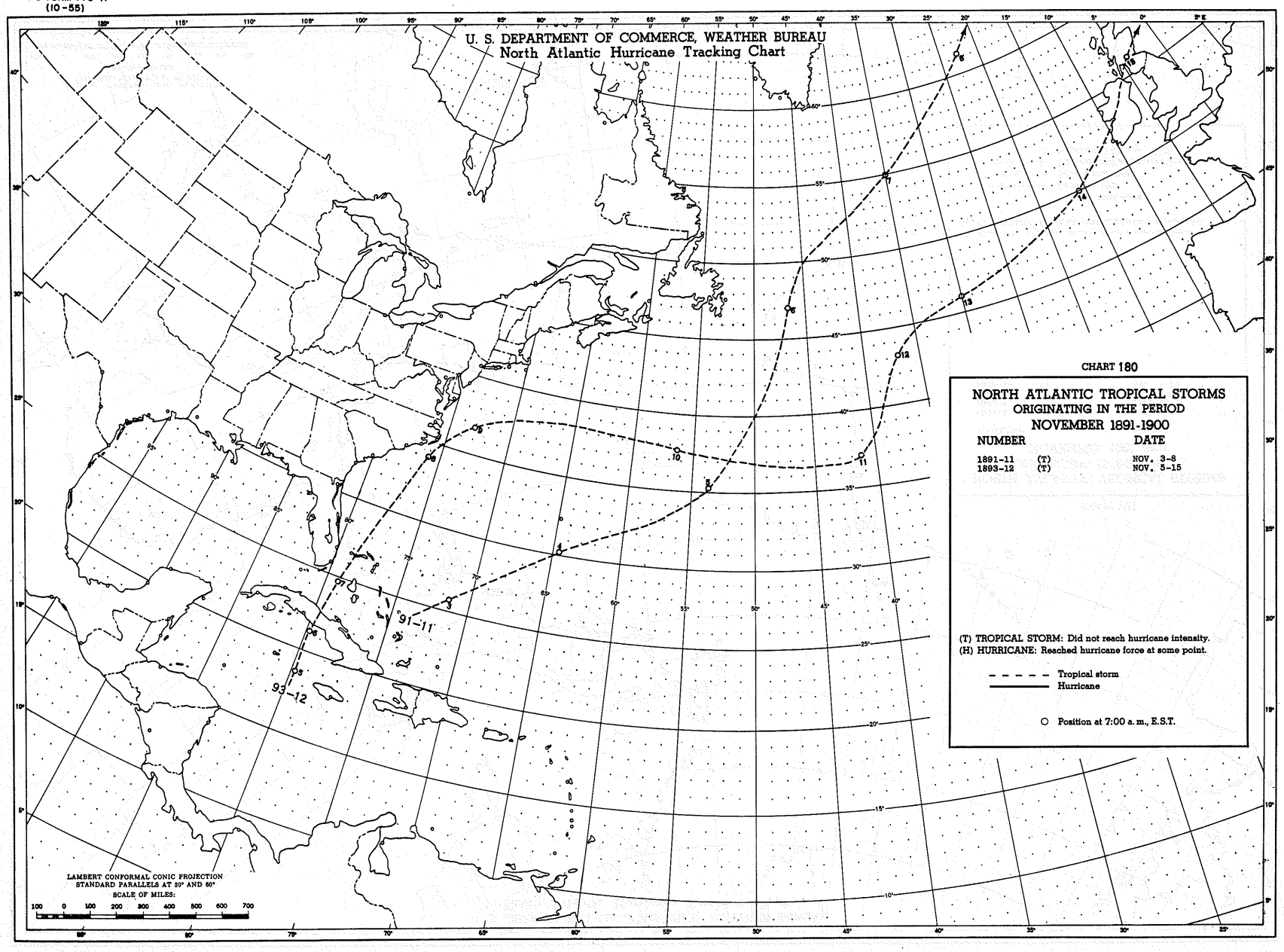
| NUMBER | | DATE |
|---|---|---|
| 1887-15 | (H) | NOV. 27-DEC. 8 |
| 1888-8 | (T) | NOV. 1-8 |
| 1888-9 | (H) | NOV. 17-DEC. 2 |
| 1888-10 | (T) | NOV. 21-23 |

(T) TROPICAL STORM: Did not reach hurricane intensity.
(H) HURRICANE: Reached hurricane force at some point.

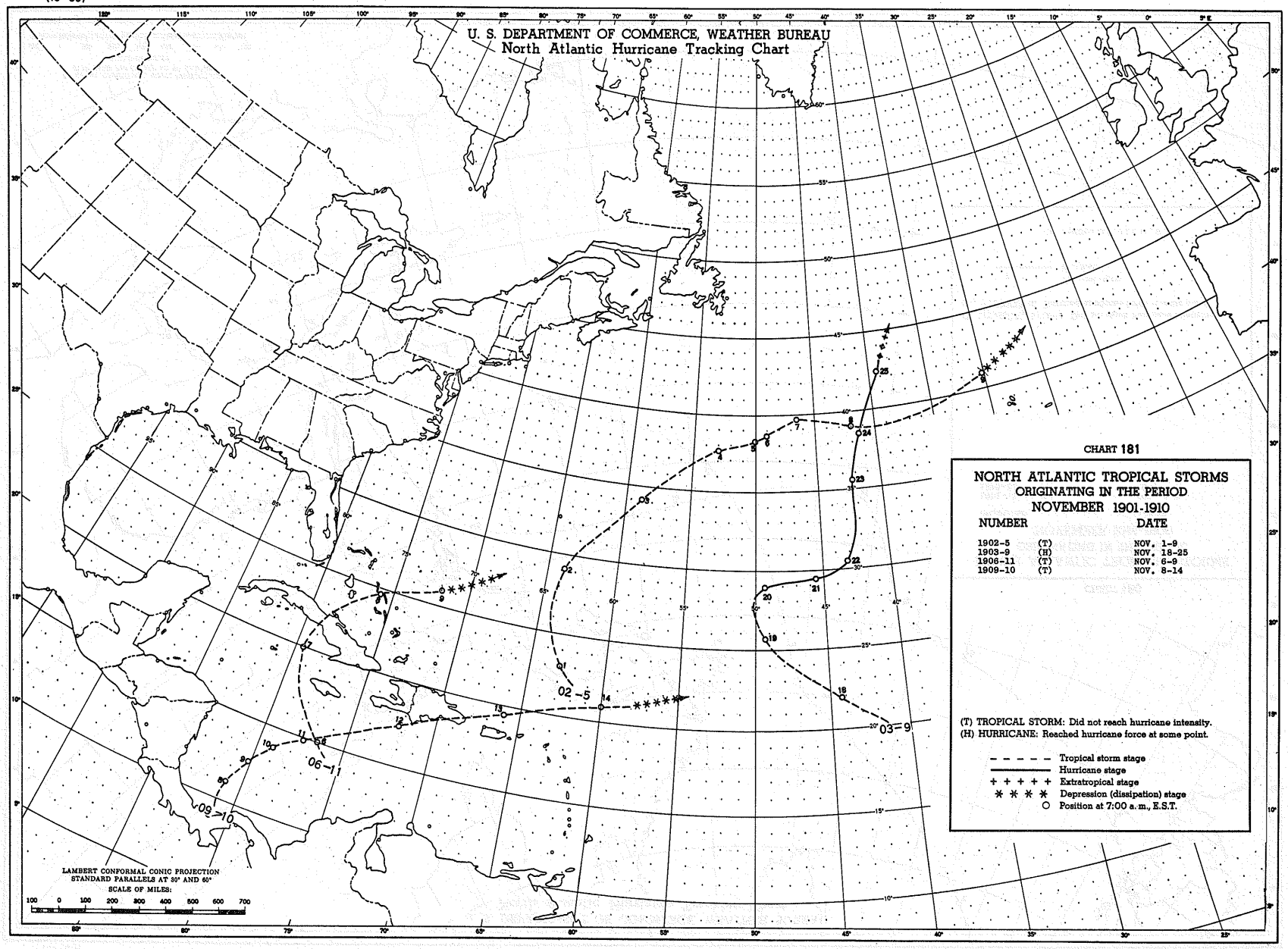
- - - - - Tropical storm
——— Hurricane

○ Position at 7:00 a. m., E.S.T.

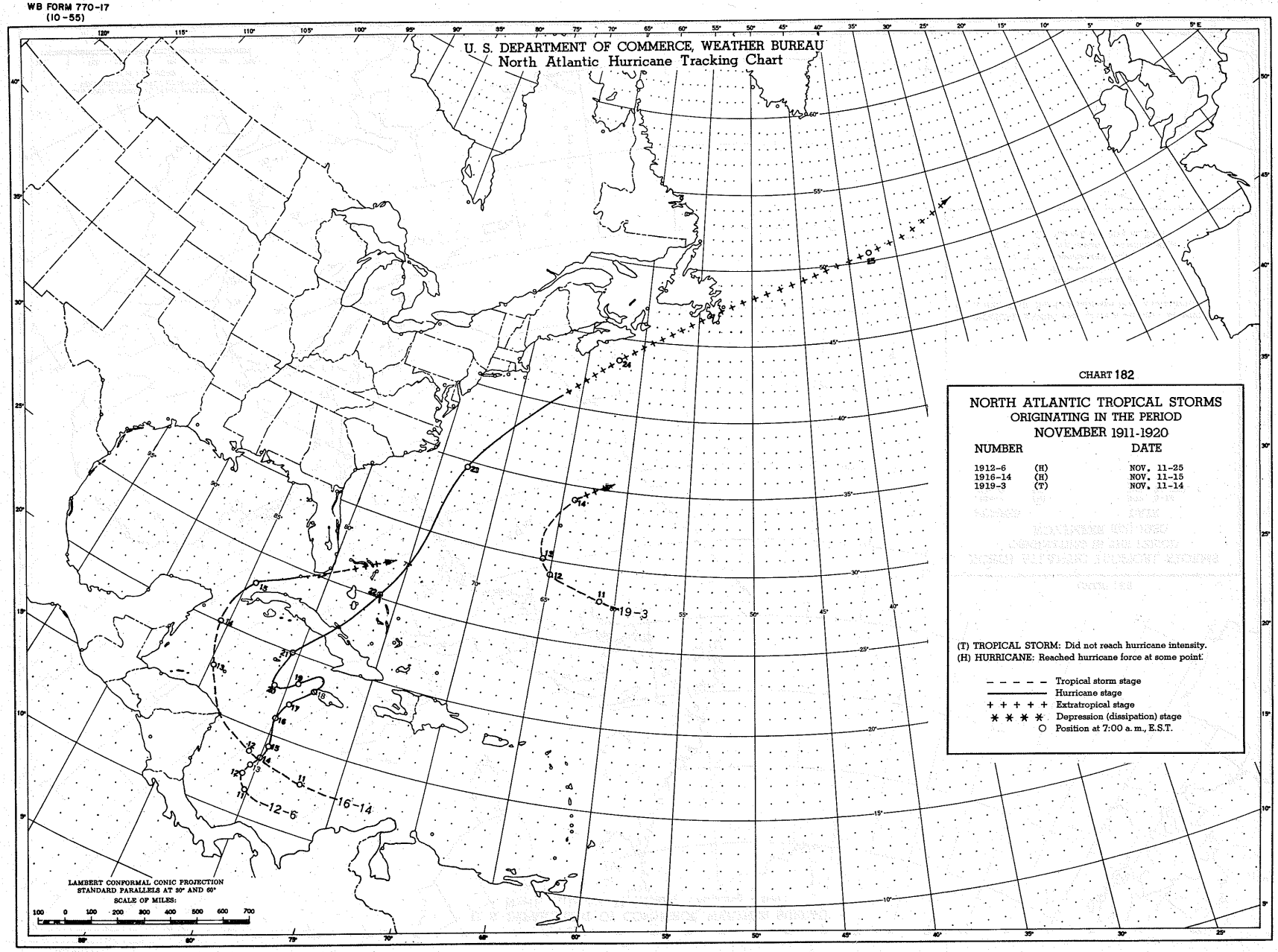
WB FORM 770-17
(10-55)



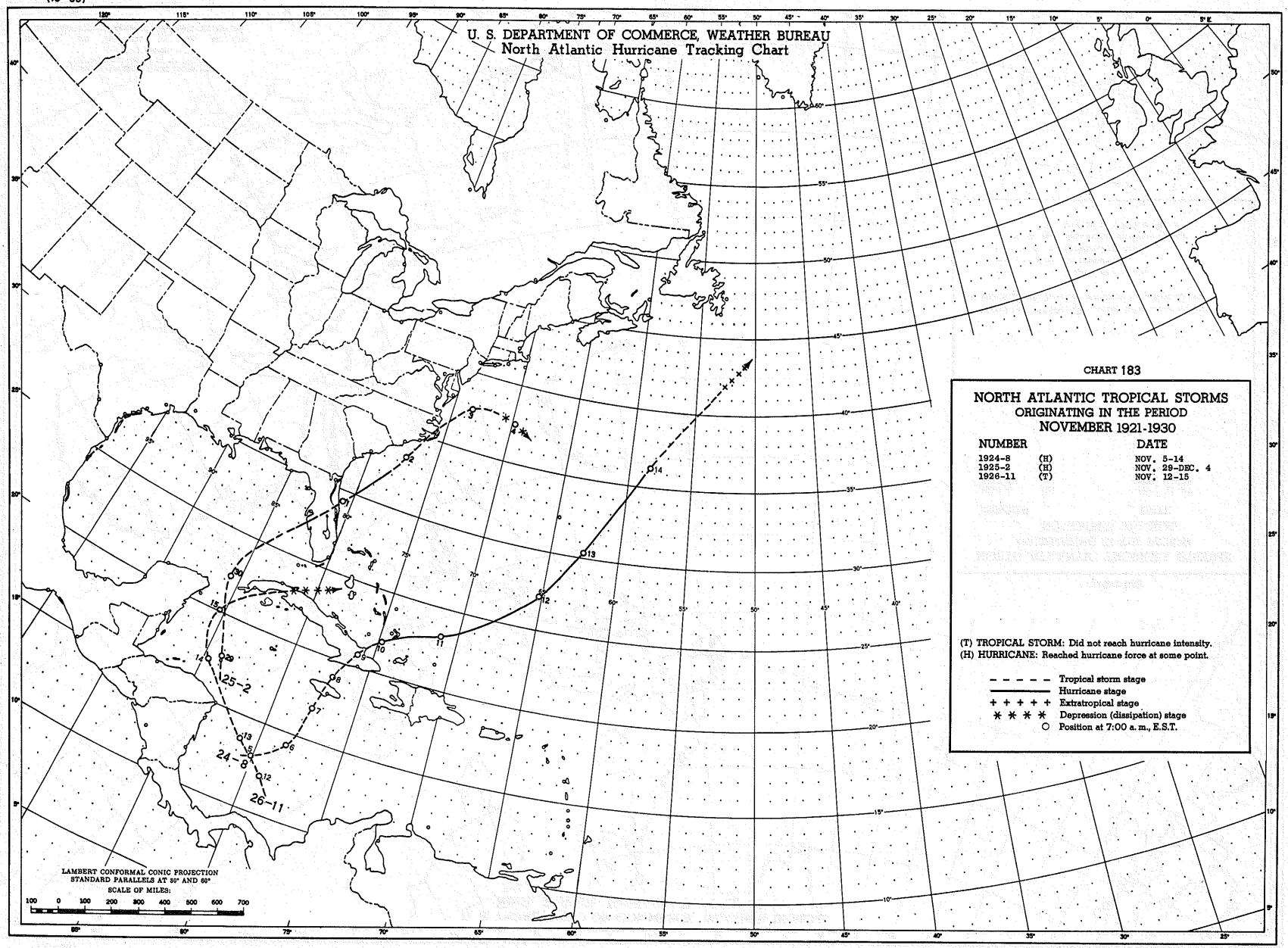
WB FORM 770-17
(10-55)



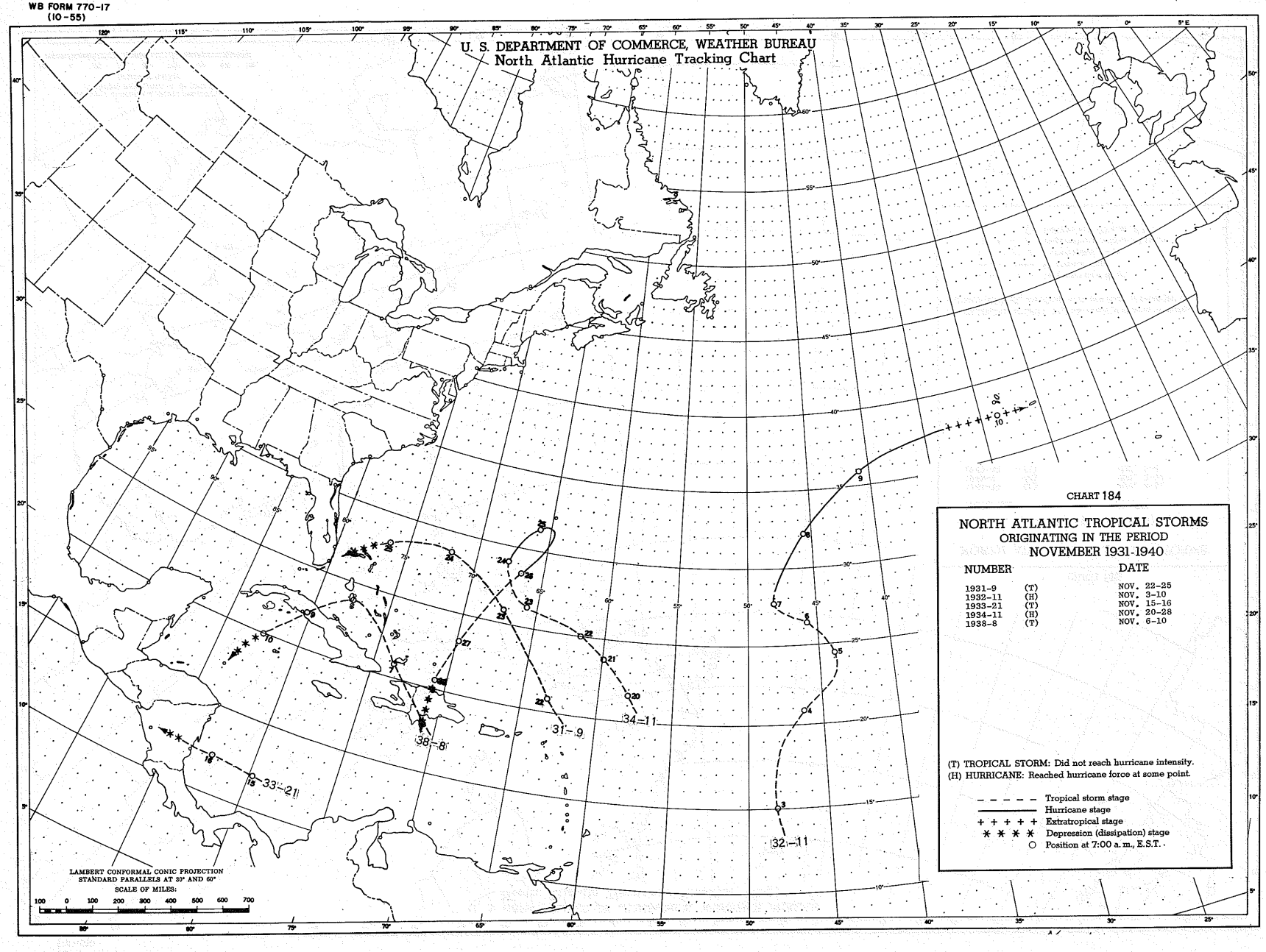
WB FORM 770-17
(10-55)



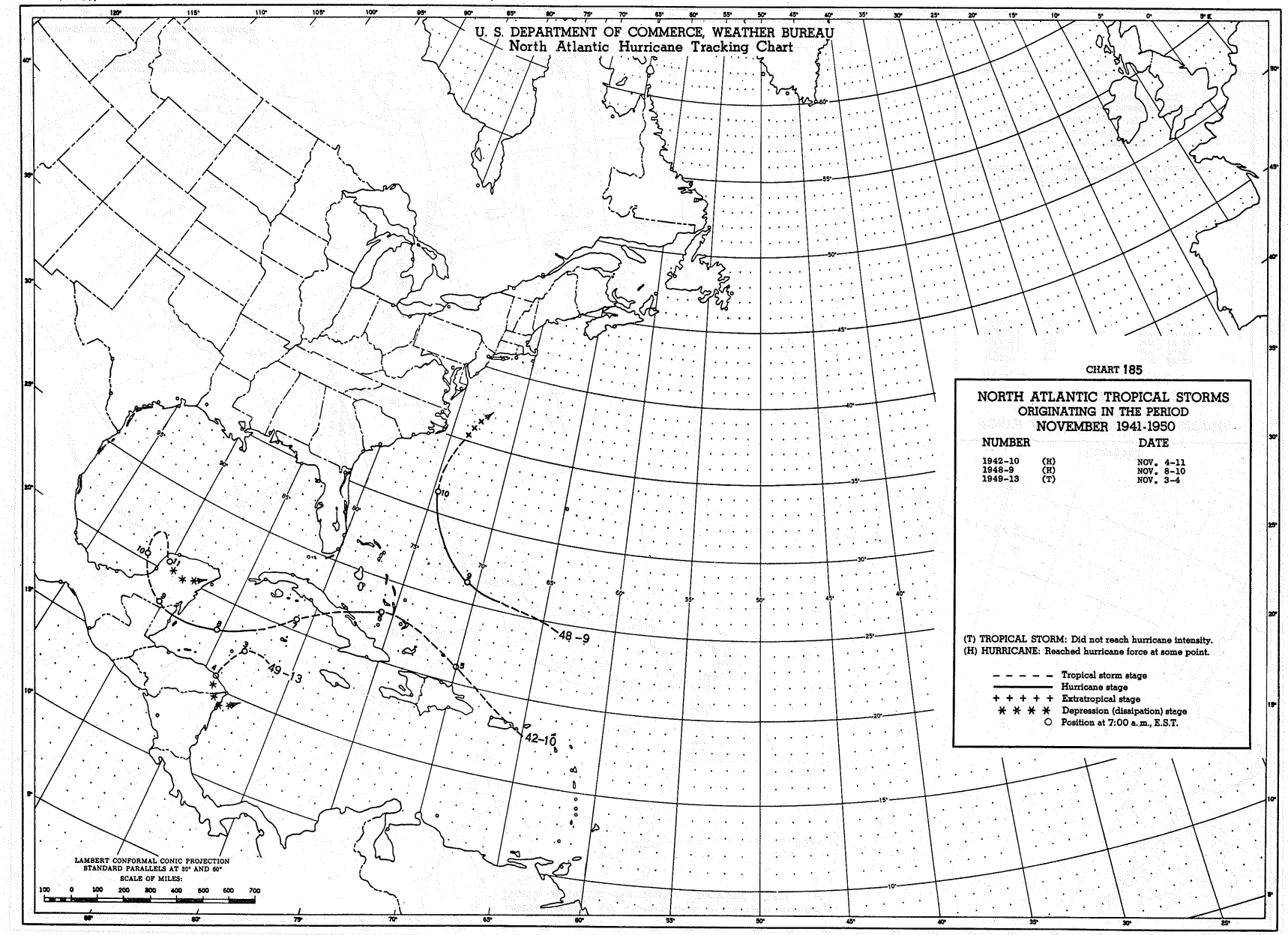
WB FORM 770-17
(10-55)



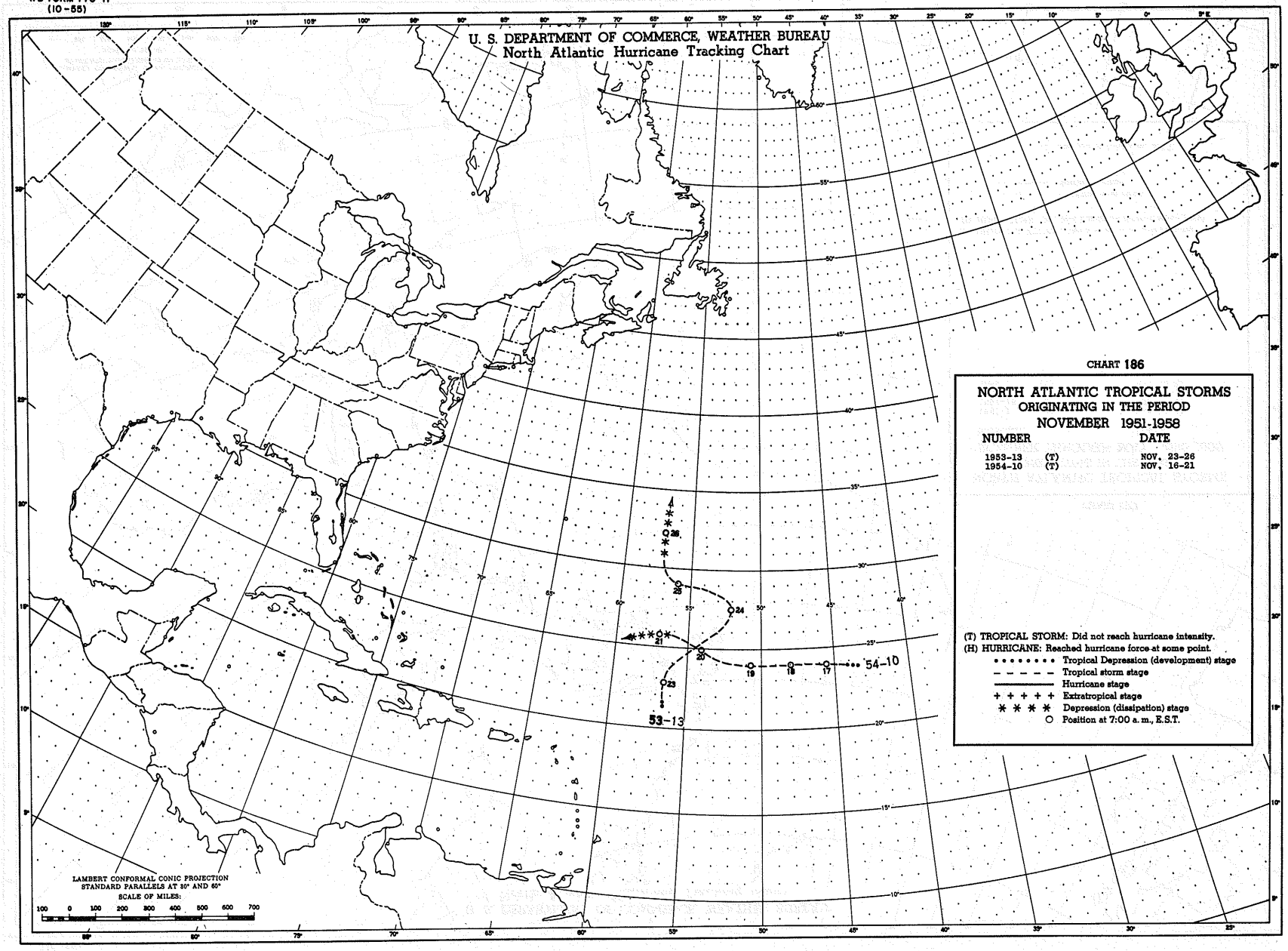
WB FORM 770-17
(10-55)



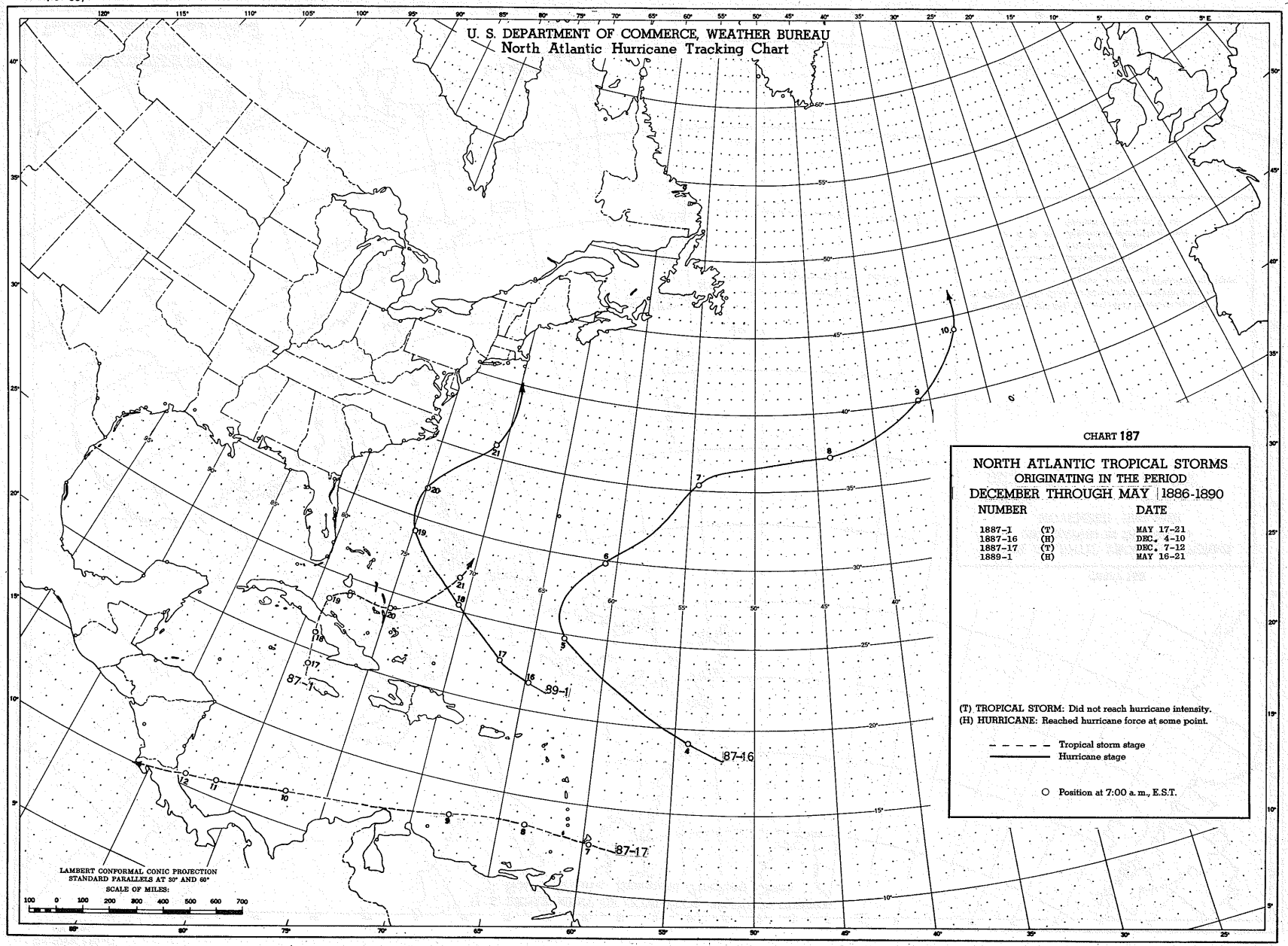
WB FORM 770-17
(10-55)



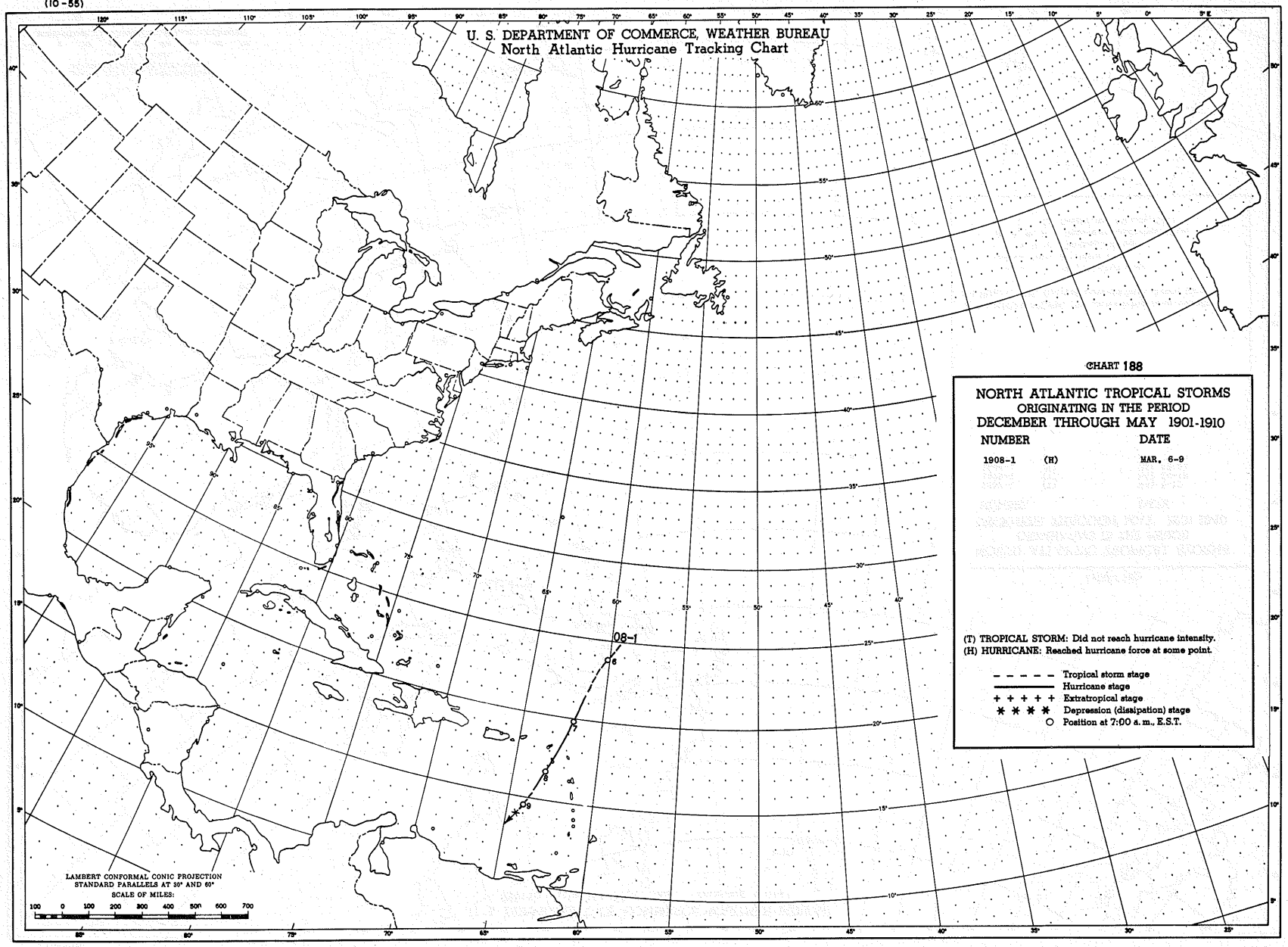
WB FORM 770-17
(10-55)



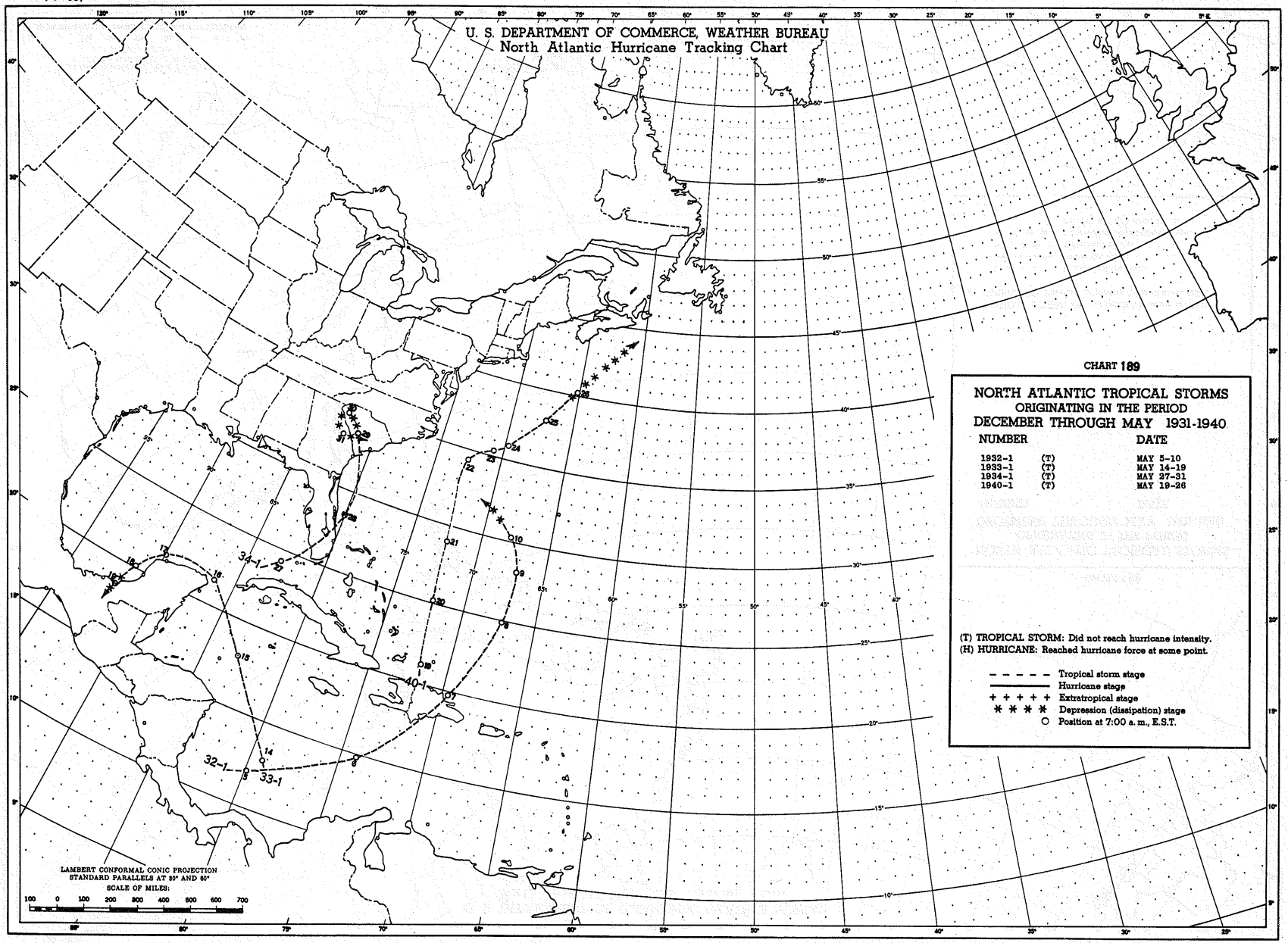
WB FORM 770-17
(10-55)



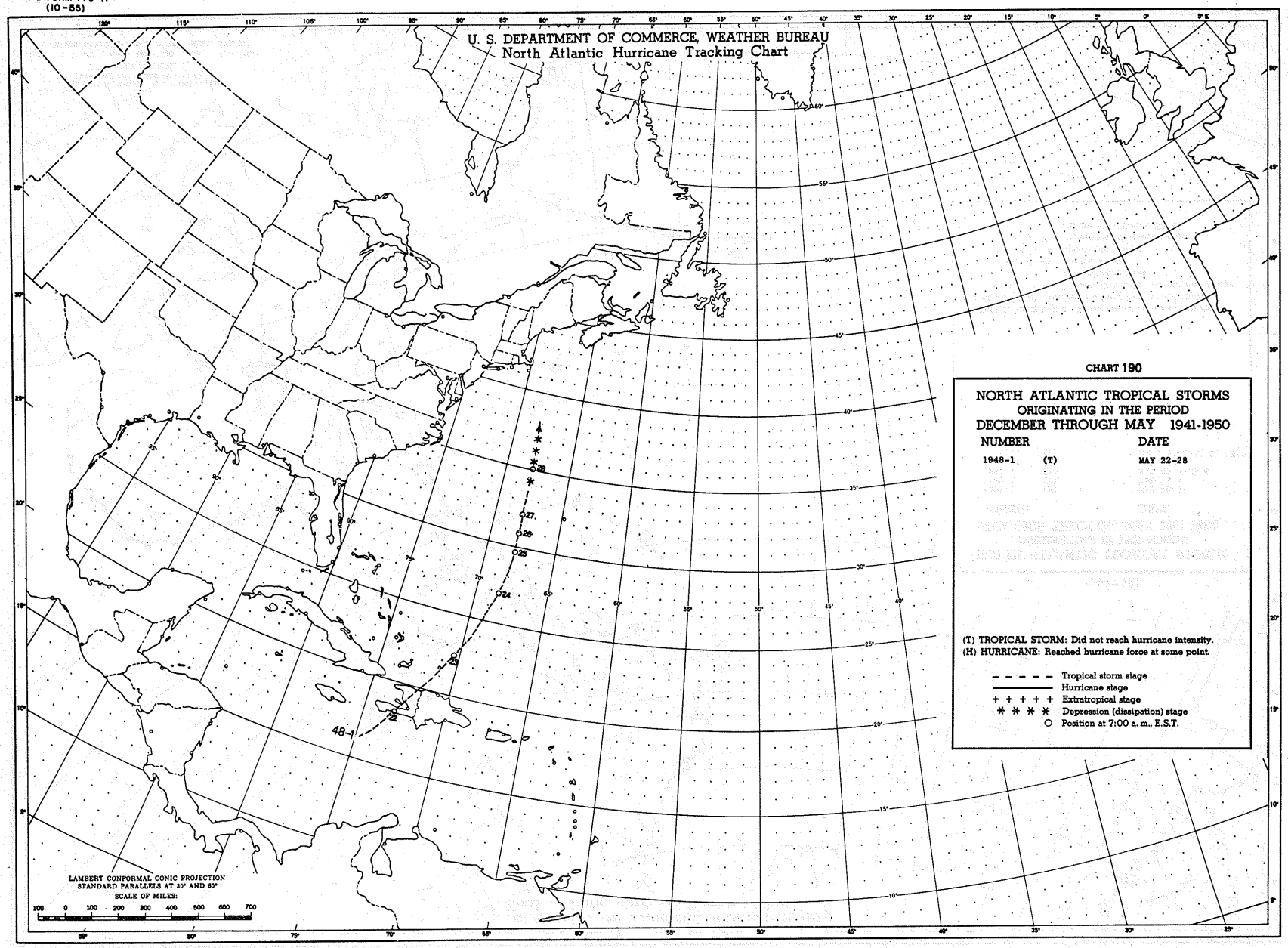
WB FORM 770-17
(10-55)



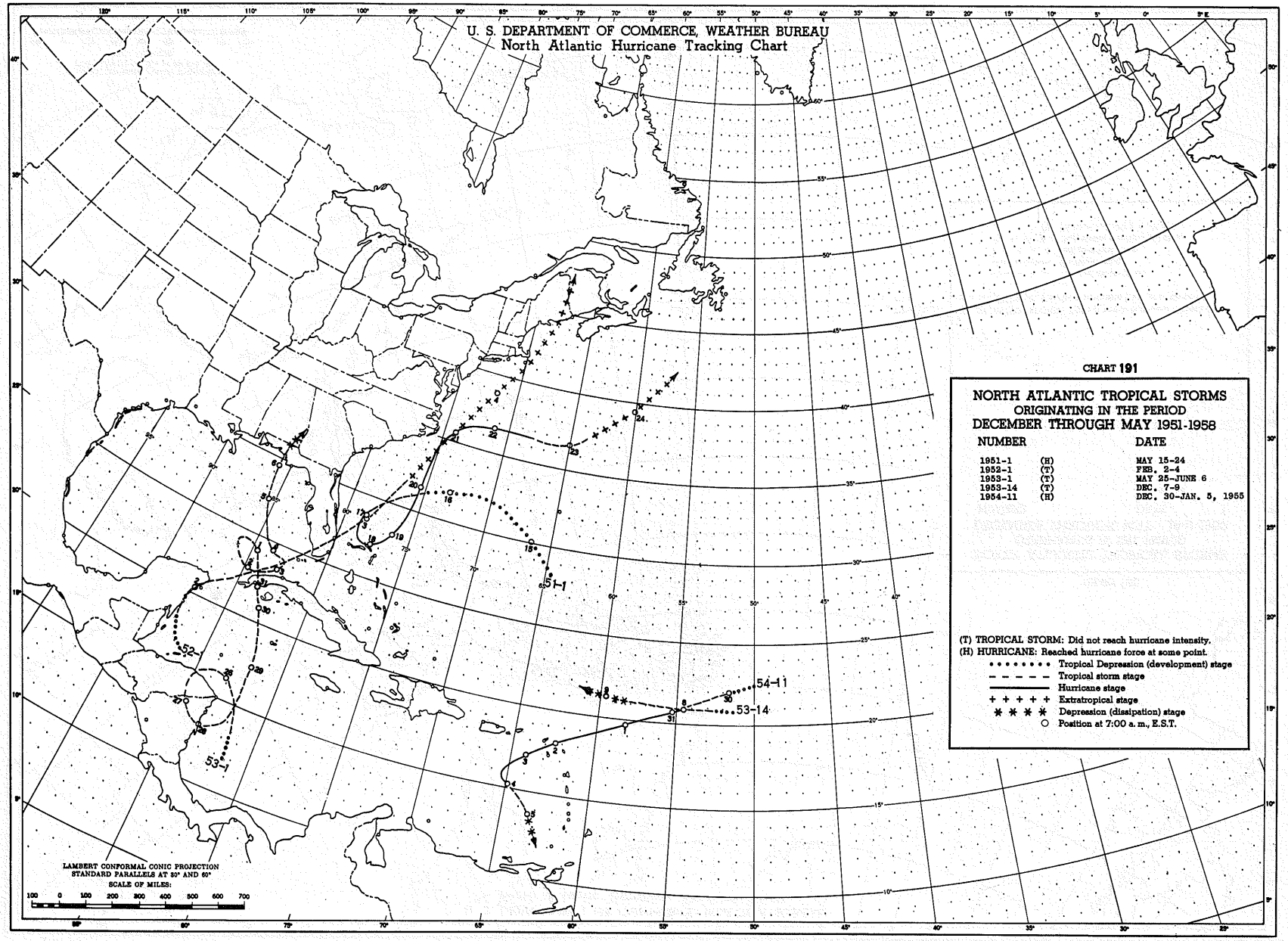
WB FORM 770-17
(10-55)



WB FORM 770-17
(10-55)



WB FORM 770-17
(10-55)

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