

Hurricane Beryl Meteorological Records/Notable Facts Recap (Valid 3UTC on 8 July)

Integrated statistics are calculated from NHC's operational best track, which may differ slightly from operational advisories: <https://ftp.nhc.noaa.gov/atcf/btk/bal022024.dat>

While the Atlantic hurricane database (HURDAT2) goes back to 1851, there are likely underestimates in storm intensities prior to the satellite era which began in 1966.

Pressure data is only consistently reported in the Atlantic hurricane database (HURDAT2) since 1979.

Intensity Measures

- 165 mph (Category 5) lifetime maximum sustained winds – strongest maximum sustained winds for an Atlantic hurricane prior to August on record. Old record (Emily, 2005 – 160 mph – also a Category 5).
- 934 hPa lifetime minimum central pressure – 3rd lowest central pressure for an Atlantic hurricane prior to August on record. Trailing (Emily, 2005 – 929 hPa and Dennis, 2005 – 930 hPa).
- Earliest Atlantic Category 4 hurricane on record (1 July at 12UTC). Old record was Dennis (8 July 2005 at 0UTC).
- Earliest Atlantic Category 5 hurricane on record (2 July at 3UTC). Old record was Emily (17 July 2005 at 0UTC).
- Beryl became a hurricane at 49.3°W – the farthest east an Atlantic hurricane had formed in the tropics (south of 23.5°N) in June on record. Old record was Cuba-Brownsville of 1933 (59°W).
- 65 mph/24 hr intensification rate from 29 June – 30 June – the fastest 24 hr intensification rate for an Atlantic named storm this early in the calendar year on record. Previous earliest 65 mph/24 hr intensification rate was Bertha (2008) from 6 July – 7 July.
- ~34 Accumulated Cyclone Energy (ACE) – the most ACE by a single Atlantic storm getting named prior to 1 August on record. Old record was Emily (2005 – ~33 ACE).
- 4.5 major (Category 3+) hurricane days – the most for a storm getting named prior to 1 August on record. Old record was Emily (2005 – 4.25 major hurricane days).

- 9.25 named storm days – tied with two other storms for 7th most for a storm getting named prior to 1 August on record.

- 5.75 hurricane days – 8th most for a storm getting named prior to 1 August on record.

Landfalls

- *Carriacou Island, Grenada: 150 mph, 950 hPa – Category 4*

- Strongest hurricane on record to make landfall in Grenada. Hurricane Ivan (2004) did not officially make landfall on Grenada but passed ~10 miles south of the main island of Grenada with maximum winds estimated at 125 mph, damaging 90% of the homes on the island

- *Quintana Roo, Mexico: 110 mph, 975 hPa – Category 2*

- First Category 2+ hurricane to make landfall in Quintana Roo in July since Emily (2005) (Category 4, 130 mph)