IBTrACS « since1980 » data (extracted on the 5th of September 2021)

Keep seasons 1980 to 2019 in NH, 1981 to 2019 in SH.
Drop points labelled as « spur » (1% of all)

### Wind data selection

- **WMO wind provided**
  - Yes 38%
  - No 62%
- **One wind provided**
  - Yes 34%
  - No 66%

- **USA wind provided**
  - Yes
  - CMA wind provided
    - Yes
      - CMA wind with a 1.08 coefficient
    - No
      - NaN
- **Mean of the values provided**
  - (In 32.5%, only 1 value is provided, in 1.5%, 2 or more different values were actually averaged)

99.5% of all tracks could be associated with a wind intensity. The remaining were dropped.
Wind are converted to m/s.

### Sea-level pressure (slp) data selection

- **WMO slp provided**
  - Yes 41%
  - No 59%
- **One of slp provided**
  - Yes 74%
  - No 26%

**Tracks with no slp data (7% of tropical-storm intensity tracks) are not included for those part of the analysis for which storm intensities are needed.**

### Filtering

- **Frequency filter**: Remove points with a higher frequency than 6-hourly.
- **Intensity filter**: Remove tracks not reaching Tropical Storm stage (16m/s)
- **Duration filter**: Remove tracks lasting less than one day

### Additional information

- Basin identification following Knutson et al. (2020)
- SSHS category identification following Klotzbach et al. (2020)