WINDRISKTECH
WE QUANTIFY HURRICANE RISK

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WindRiskTech Pricing and Deliverables, 2022

- **Wind/Rain[1] Event Pricing:**
  - First 10,000 tracks: $1.50/track
  - Next 10,000 tracks: $0.75/track
  - Each track in excess of 20,000 tracks: $0.50/track

- **Wind, Rain[1], and Surge Event Pricing:**
  - Basin creation: Contact us
  - Per event pricing (first 10,000 tracks):
    - SLOSH $1.88/track
    - ADCIRC $2.00/track
  - Per event pricing (Next 10,000 events):
    - SLOSH $1.13/track
    - ADCIRC $1.25/track
  - Per event pricing (Each event in excess of 20,000):
    - SLOSH $0.88/track
    - ADCIRC $1.00/track

- **Wind Event Deliverables:**
  - Formats:
    - Ascii files (1 per track)
    - Excel Spreadsheet
    - NetCDF files (1 for each event set)
    - Matlab binaries (preferred)
  - Frequency:
    - Every two hours (standard)
  - Quantities:
    - Month
    - Day of the month
    - Greenwich Mean Time (hours, 24 hour clock)
    - Latitude (degrees)

[1] Rain processing currently requires MATLAB

        - Longitude (degrees east of the Greenwich meridian)
        - Maximum 1 minute wind speed at 10 m altitude (knots). **This is the maximum of the circular component of the wind; no translation speed has been added.** (We recommend adding 60% of the translation velocity vector to the circular wind vector to derive surface-relative 1 minute average winds at 10 m altitude.)
        - Surface central pressure (hPa or millibars). Note: Ambient pressure is always assumed to be 1005 hPa
        - Radius of maximum winds (kilometers)
        - Magnitude of the 250 hPa-850 hPa shear of the horizontal ambient winds
        - Potential intensity (knots)

- **Surge Event Deliverables:**
    - Point Peak Surge
        - Formats:
            - Excel Spreadsheet (.csv files)
            - Matlab binaries
        - Quantities:
            - Latitude of Peak Surge
            - Longitude of Peak Surge
            - Time (GMT of Peak Surge
            - Peak Surge Magnitude (m)
    - Area Peak Surge
        - Formats:
            - NETCDF
            - Matlab binaries
        - Quantities:
            - Peak surge (m) for each storm at each latitude-longitude point
    - Area Exceedance Probability
        - Formats:
            - Excel spreadsheet (.csv files)
            - Matlab binaries
        - Quantities:
            - Exceedance probability as a function of surge level, for each point
            - 95% upper and lower confidence bounds for each surge level at each point