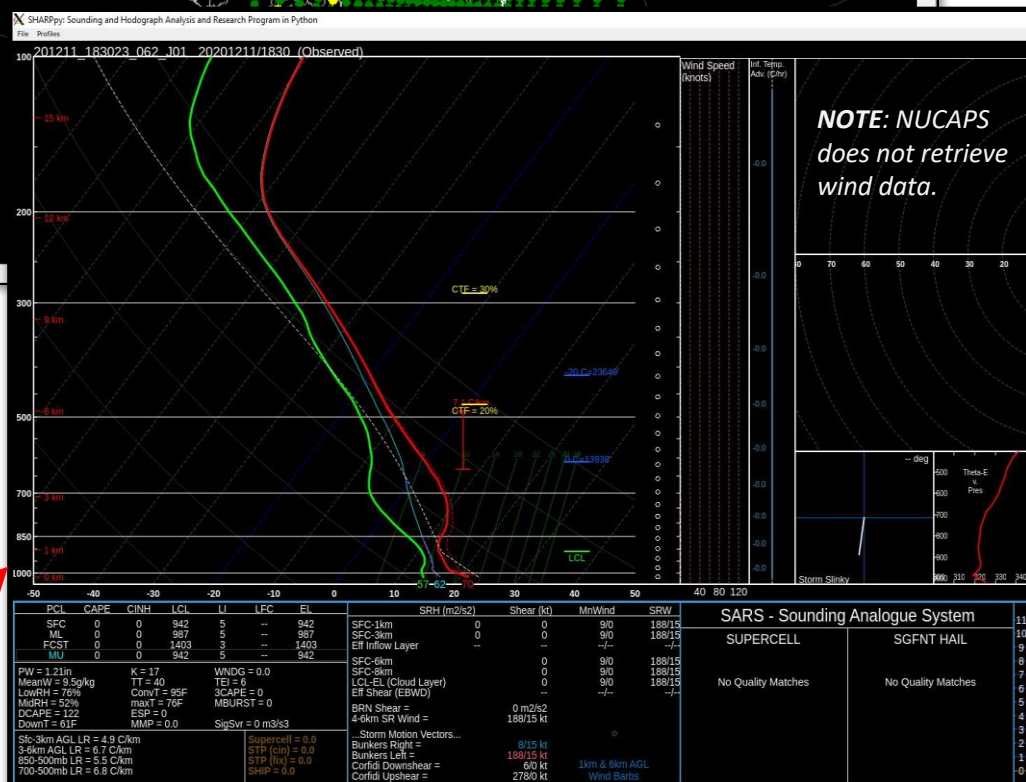
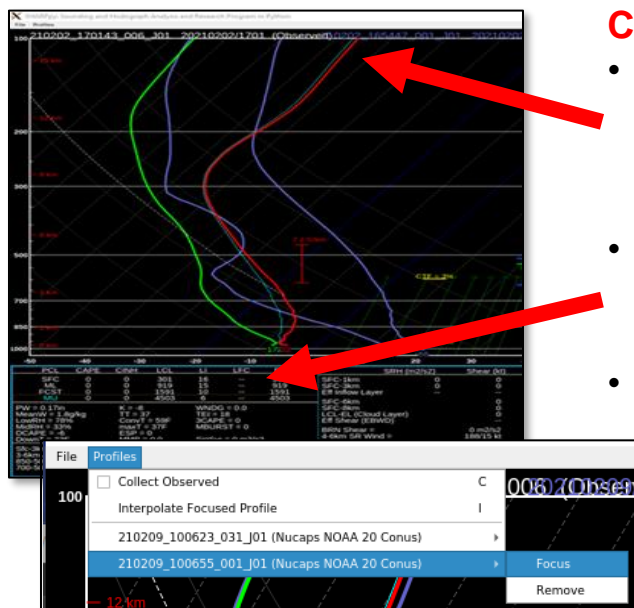


- Note: Quick guide
available for
SHARPPy installation.*



Loading Multiple Profiles

- Select a dot on the map, click **Generate Profiles** to launch the skew-T window.
- Keep the skew-T window open. In the map display, select another point, and click **Generate Profiles**.
- In the skew-T window, click the **Profiles** → **Collect Observed**



Changing Focus Profile

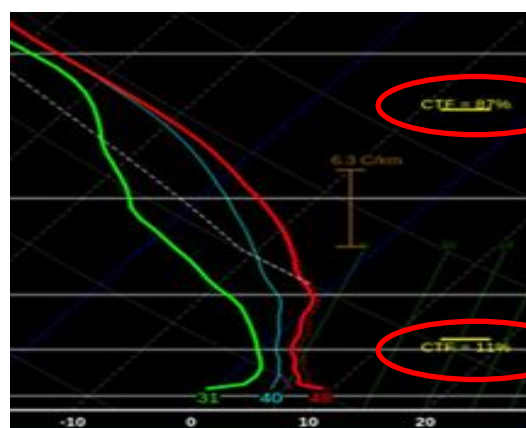
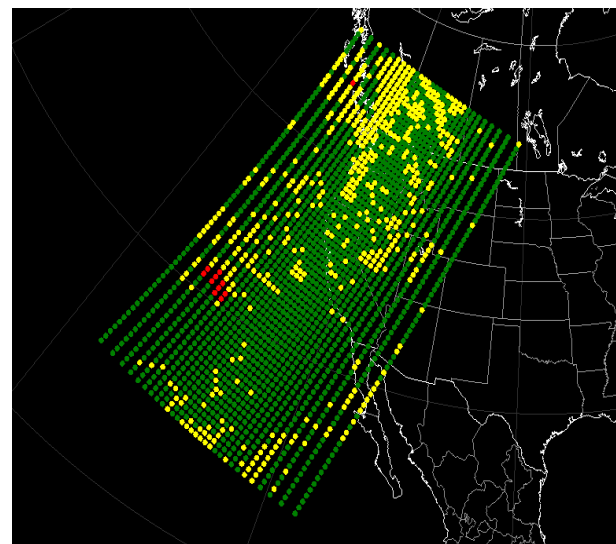
- The **focus profile** will have **green** (moisture) and **red** (temperature) lines.
- The **CAPE** in the **tables** are for the focus profile.
- Select **Profiles** → **<profile name>** → **Focus** to change the focus profile

Interpreting Quality Flags

- **Color coded quality flag** helps forecaster to quickly interpret retrieval robustness before interrogating the sounding profile.
- Green dots can be used without reservation. Yellow, red dots may be useful alongside cloud top fraction.

Dot Color Meaning

Green	Yellow	Red
Successful infrared (IR) + microwave (MW) NUCAPS retrieval under clear or partly cloudy conditions	Failed IR + MW NUCAPS retrieval. Successful MW-only NUCAPS retrieval under cloudy conditions	Failed IR + MW NUCAPS retrieval. Failed MW-only NUCAPS retrieval under precipitating cloudy conditions



Interpreting Cloud Top Fraction

- NUCAPS produces a **model-independent cloud top pressure (CTP) and fraction** retrieval for two cloud layers. CTF can be compared with model output.
- CTF is also useful because **profiles above the cloud tops may be representative of the atmosphere, even for failed retrievals.**
- Clouds can introduce uncertainty and cause IR+MW retrievals to fail, *but cloud fraction alone does not determine the quality flag.* Note: Quick Guide available for Quality Control