

WOC Severe FY24 Hand Analysis Assignment Instructions:

Please analyze at least the following features on each map:

250 hPa:

- Streamlines
- Wind speed (>75kt and at 25kt intervals above it)
- Troughs & ridges

500 hPa:

- Heights
- Height changes (in 3 dm intervals)
- Troughs & ridges

700 hPa:

- Heights
- Temperatures
- 700-500 hPa lapse rate

850 hPa:

- Heights
- Temperatures
- Dewpoint
- Wind (low-level jet > 30 kt)
- Fronts & boundaries
- Troughs & ridges

Surface:

- Pressure
- Temperatures
- Dewpoint (> 60°F)
- Fronts & boundaries
- Troughs & ridges

Use the Hand Analysis Reference Guide from the Resources tab for any guidance on decoding a station plot and how to analyze the various features.