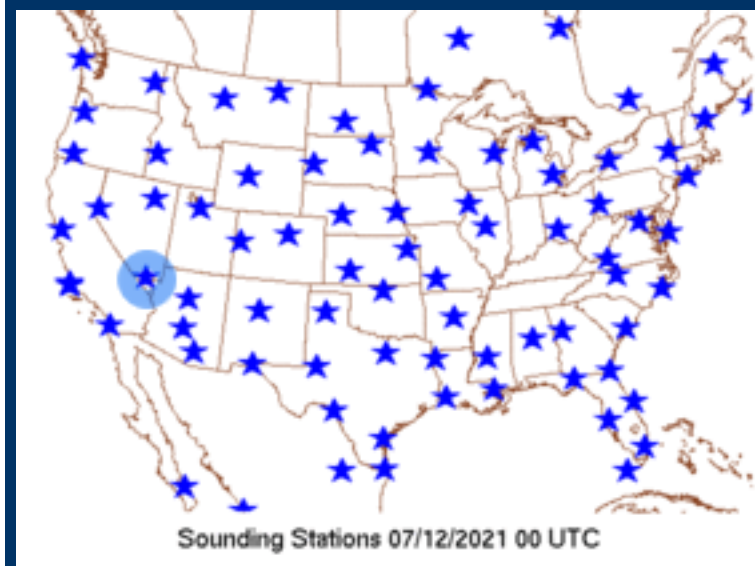


# Sounding Analysis Page

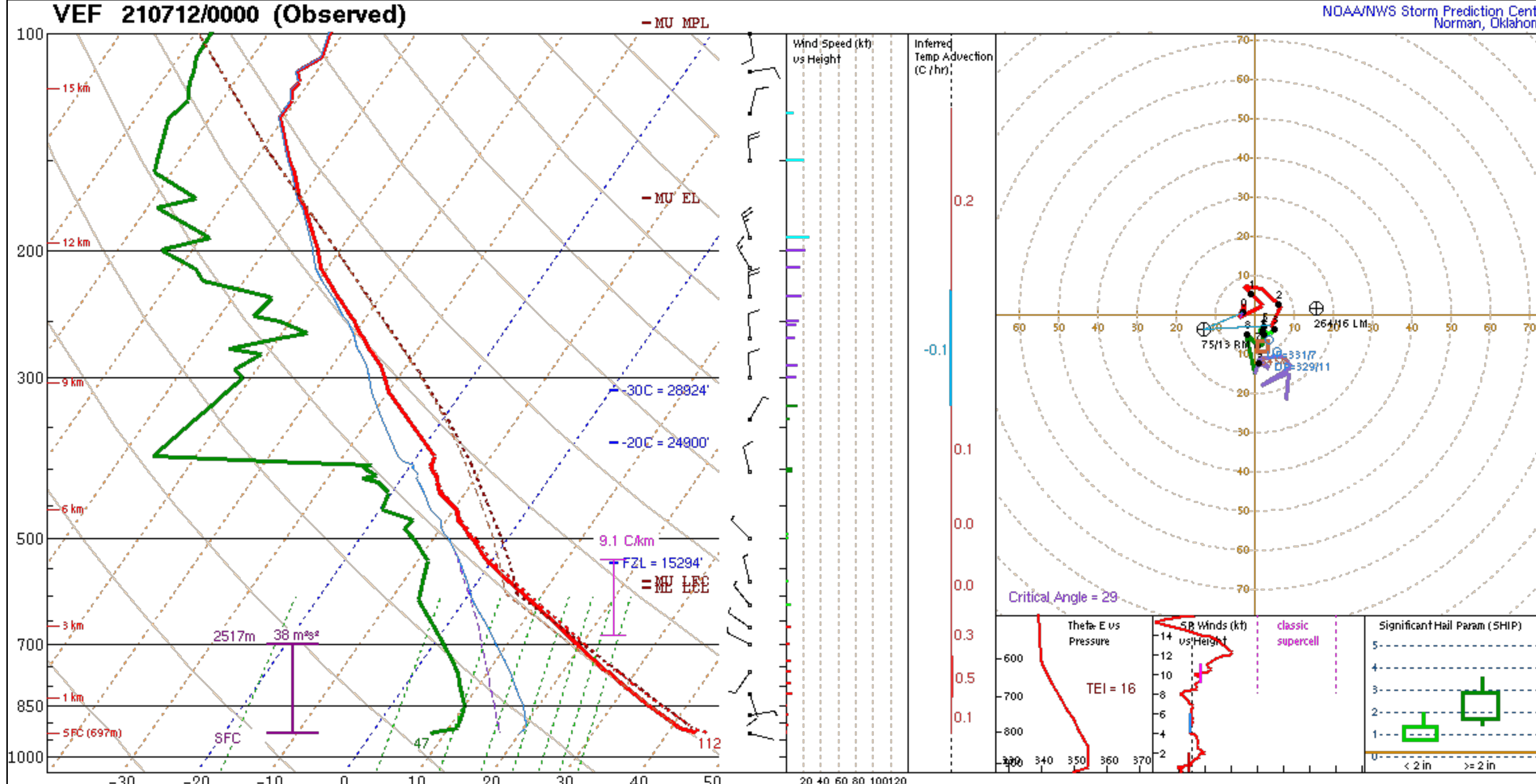
NWS / Storm Prediction Center  
Norman, Oklahoma

## Observed Radiosonde Data 07/12/2021 00 UTC



Click on any blue star to display that sounding

[Choose another date/time period](#)



| PARCEL             | CAPE        | CINH       | LCL          | LI        | LFC          | EL            |
|--------------------|-------------|------------|--------------|-----------|--------------|---------------|
| SURFACE            | 596         | -13        | 4453m        | -2        | 4601m        | 38809'        |
| MIXED LAYER        | 1157        | -44        | 4029m        | -3        | 4323m        | 41726'        |
| FCST SURFACE       | 1513        | 0          | 4240m        | -4        | 4240m        | 42938'        |
| <b>MU (912 mb)</b> | <b>1359</b> | <b>-61</b> | <b>3898m</b> | <b>-3</b> | <b>4180m</b> | <b>42327'</b> |

|                        |                   |              |              |
|------------------------|-------------------|--------------|--------------|
| PW = 1.19 in           | 3CAPE = 0 J/kg    | WBZ = 12953' | WNDG = 0.0   |
| K = 32                 | DCAPE = 2178 J/kg | FZL = 15294' | ESP = 0.0    |
| MidRH = 30%            | DownT = 64 F      | ConvT = 112F | MMP = 0.11   |
| LowRH = 18%            | MeanW = 8.8 g/kg  | MaxT = 113F  | NCAPE = 0.16 |
| SigSevere = 4594 m3/s3 |                   |              |              |

|                                   |                              |
|-----------------------------------|------------------------------|
| Sfc-3km Agl Lapse Rate = 9.6 C/km | <b>Supercell = 0.0</b>       |
| 3-6km Agl Lapse Rate = 8.3 C/km   | <b>Left Supercell = 0.0</b>  |
| 850-500mb Lapse Rate = 8.9 C/km   | <b>STP (eff layer) = 0.0</b> |
| 700-500mb Lapse Rate = 8.7 C/km   | <b>STP (fix layer) = 0.0</b> |
|                                   | <b>Sig Hail = 0.1</b>        |

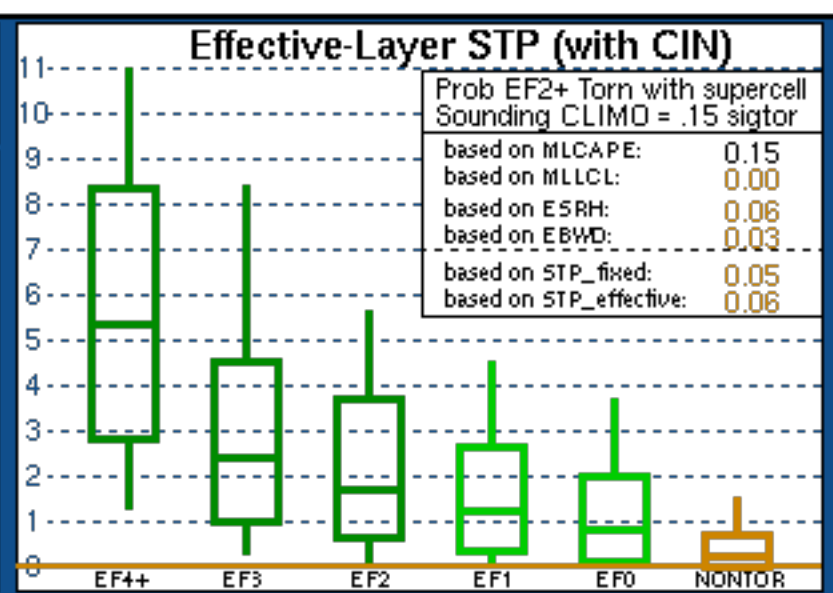
|                                | SRH(m2/s2) | Shear(kt) | MnWind | SRW    |
|--------------------------------|------------|-----------|--------|--------|
| SFC - 1 km                     | -17        | 5         | 133/3  | 245/12 |
| SFC - 3 km                     | 43         | 9         | 207/2  | 247/15 |
| Eff Inflow Layer               | 38         | 8         | 192/3  | 245/15 |
| SFC - 6 km                     |            | 8         | 268/2  | 256/15 |
| SFC - 8 km                     |            | 6         | 296/2  | 259/15 |
| LCL - EL (Cloud Layer)         |            | 19        | 345/8  | 263/15 |
| Eff Shear (EBWD)               |            | 9         | 277/2  | 257/15 |
| BRN Shear = 3 m/s²             |            |           |        |        |
| 4-6km SR Wind = 271/15 kt      |            |           |        |        |
| .....Storm Motion Vectors..... |            |           |        |        |
| Bunkers Right = 75/13 kt       |            |           |        |        |
| Bunkers Left = 264/16 kt       |            |           |        |        |
| Corfidi Downshear = 329/11 kt  |            |           |        |        |
| Corfidi Upshear = 331/7 kt     |            |           |        |        |

\*\*\* BEST GUESS PRECIP TYPE \*\*\*

**None.**  
Based on sfc temperature of 111.6 F.

**SARS - Sounding Analogs**

| SUPERCCELL         | SGFNT HAIL                         |
|--------------------|------------------------------------|
| No Quality Matches | No Quality Matches                 |
| SARS: 0% TOR       | (14 loose matches)<br>SARS: 0% SIG |



VEF Tabular Data