HOUR	FORECASTER
13 UTC	Ammon
14 UTC	Candela
15 UTC	Davis
16 UTC	Edelmaier
17 UTC	Eden
18 UTC	Gibson
19 UTC	McReynolds
20 UTC	Nozka
21 UTC	Saba
22 UTC	Schaefer

# **Blast from the Past!**

#### **Today's goal:**

Practice utilizing meteorological concepts learned so far to produce a 13 Z and subsequent Severe Weather Watch(es) (if needed)

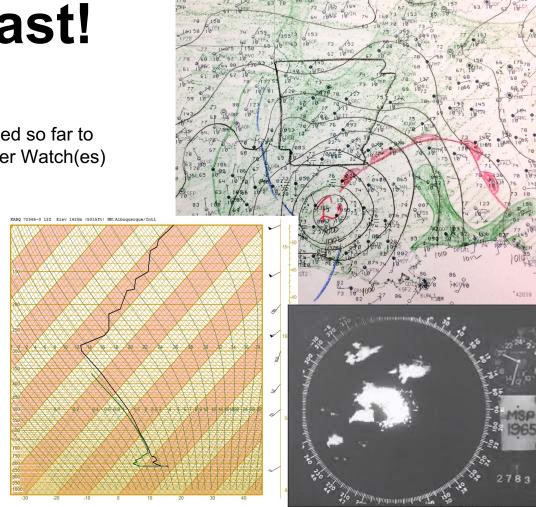
#### **Secondary Goal:**

Get additional practice:

- creating an outlook
- hand analysis
- writing discussions before the final!

#### Keep in mind:

During a real-time weather watch, you'll have to filter through and analyze a LOT of information to come to the right conclusion - today will try to simulate that.



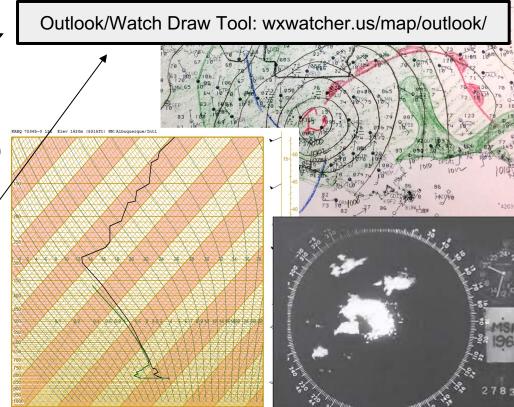
# **Blast from the Past!**

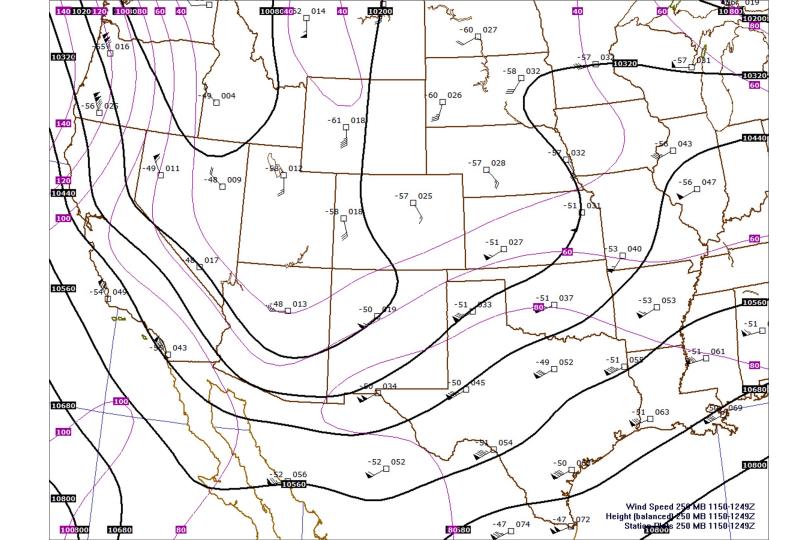
#### **How today will work:**

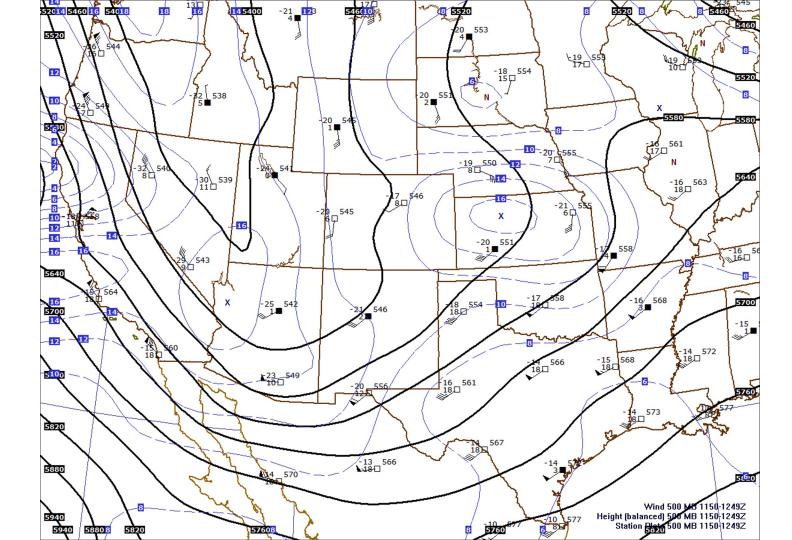
- Create a 13Z Outlook (20 minutes):
  - Analyze 12Z Data
  - Draw an outlook
- Monitor Hourly Trends
  - Complete hourly analyses (5 min each)
- Update our outlook at 1630 (10 minutes)
- Issue a Watch (if needed)
  - Determine *when* to issue (group)
  - Determine what type (group)

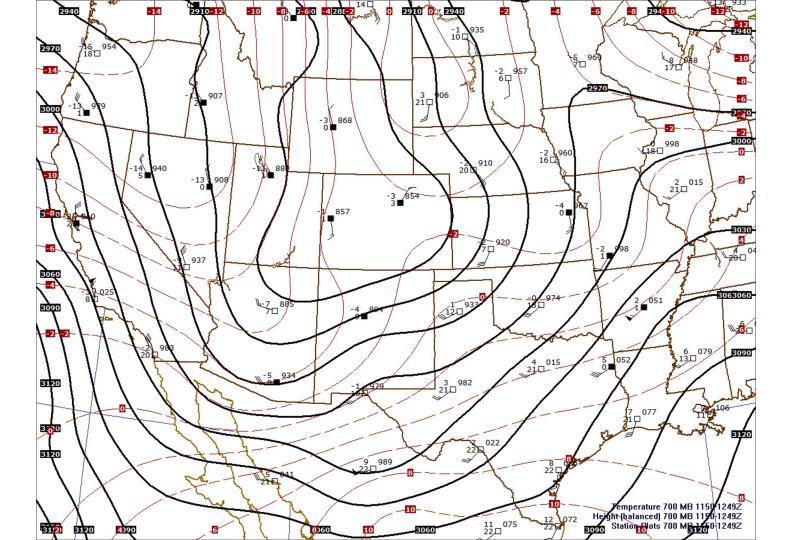
#### Remember!

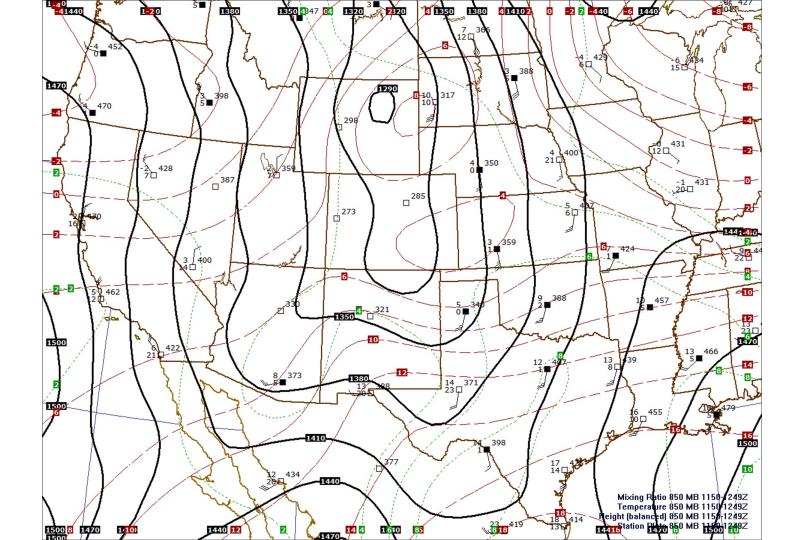
A watch should have 1-2 hours of lead time before the first report.



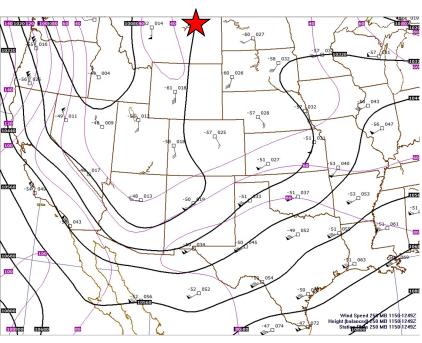


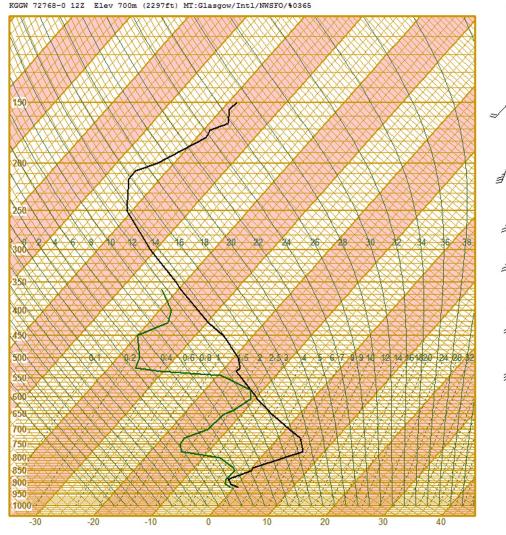




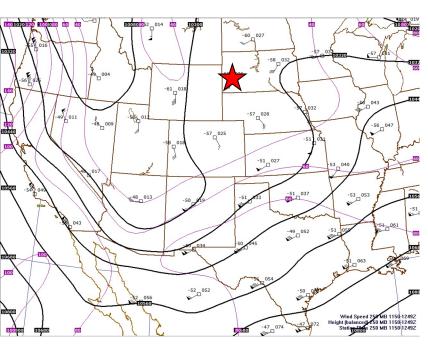


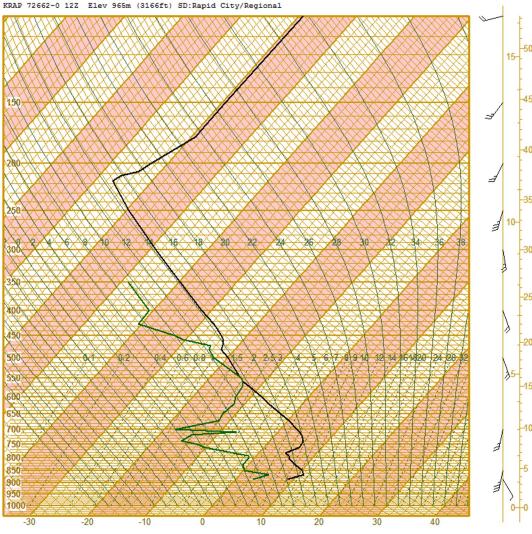
# 12 Z Glasgow, MT



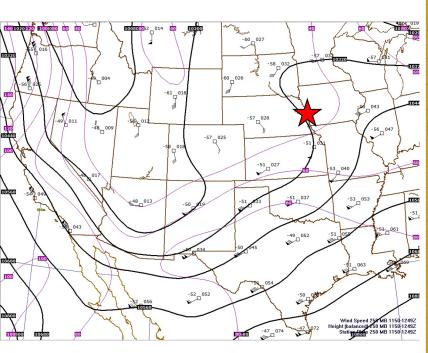


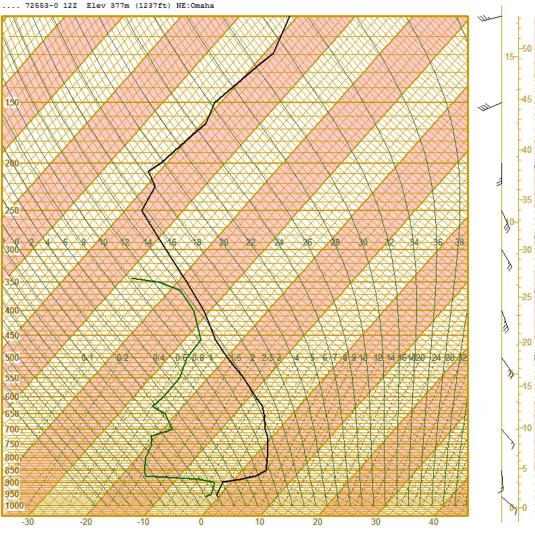
# 12 Z Rapid City, SD



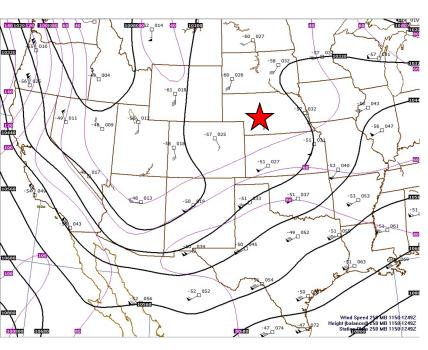


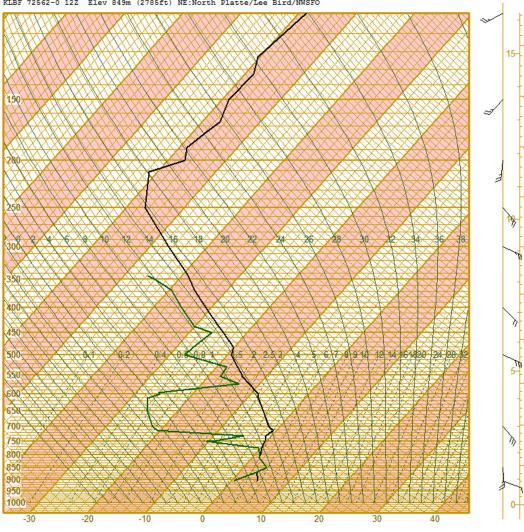
#### 12 Z Omaha, NE



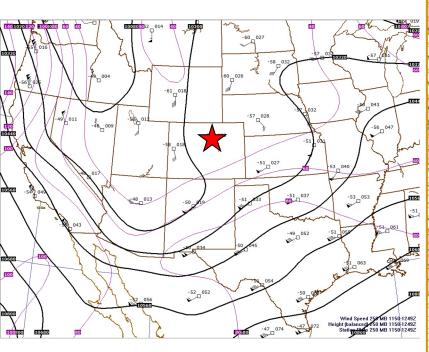


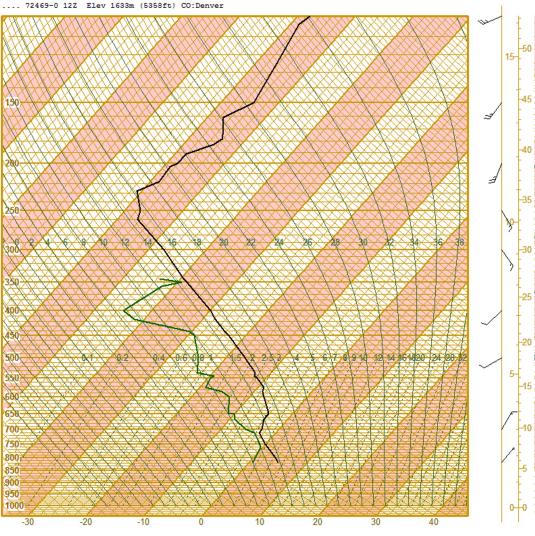
# 12 Z North Platte, NE



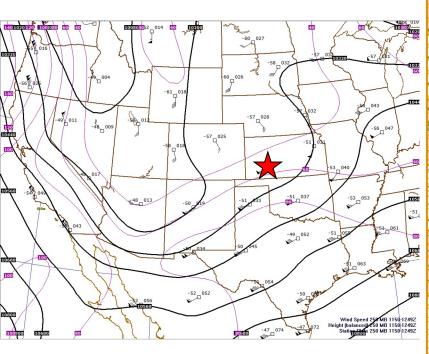


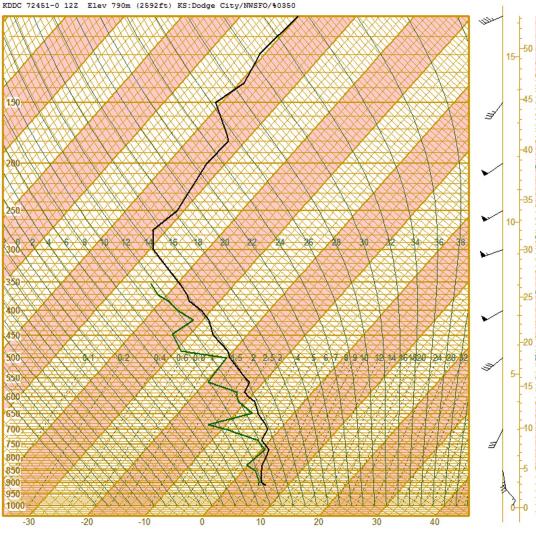
#### 12 Z Denver, CO



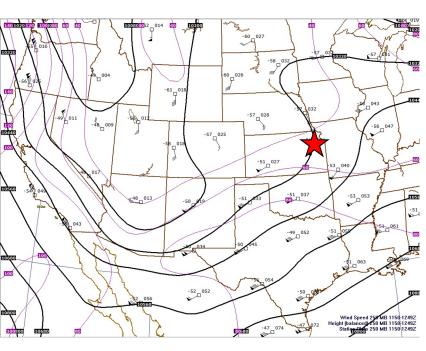


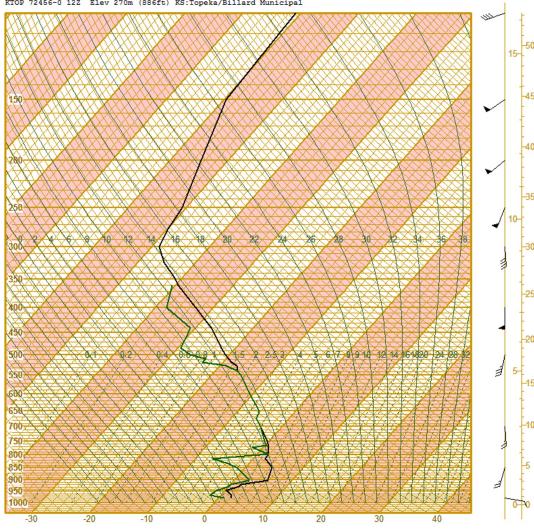
# 12 Z Dodge City, KS



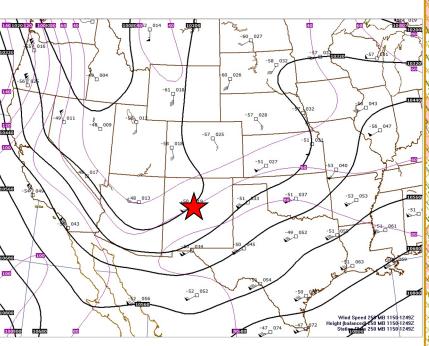


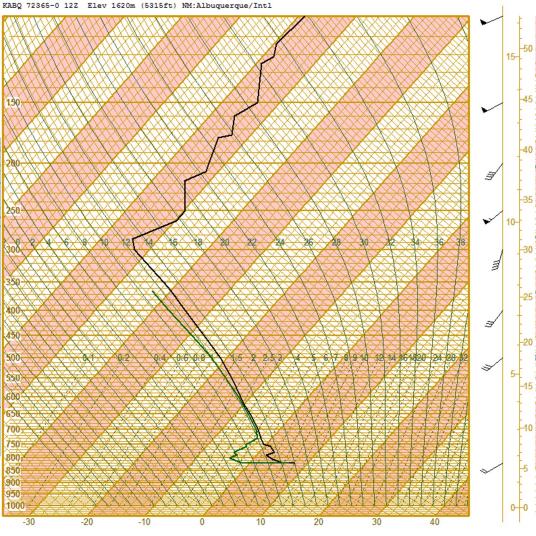
### 12 Z Topeka, KS



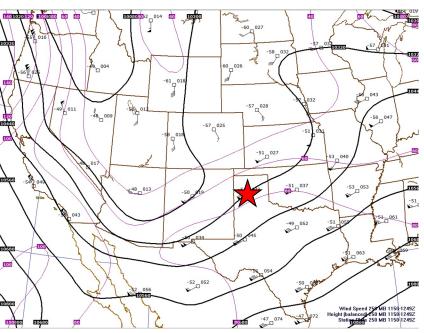


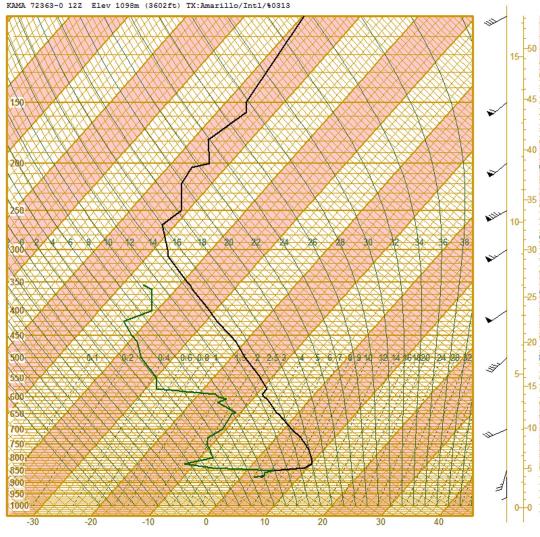
### 12 Z Albuquerque, NM



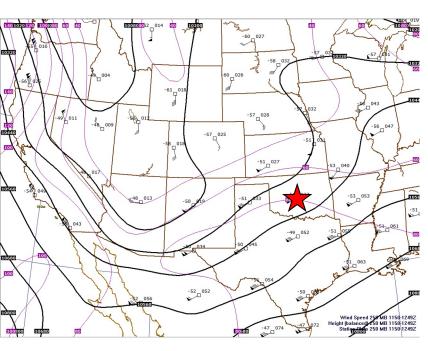


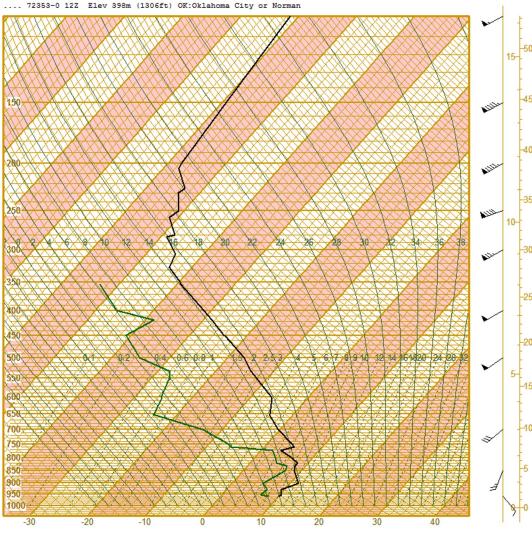
#### 12 Z Amarillo, TX



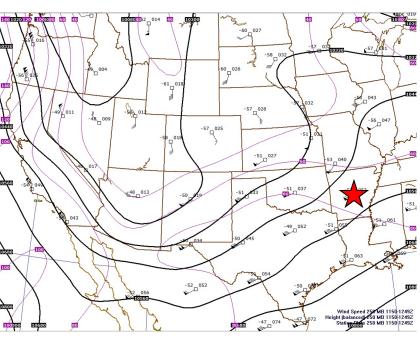


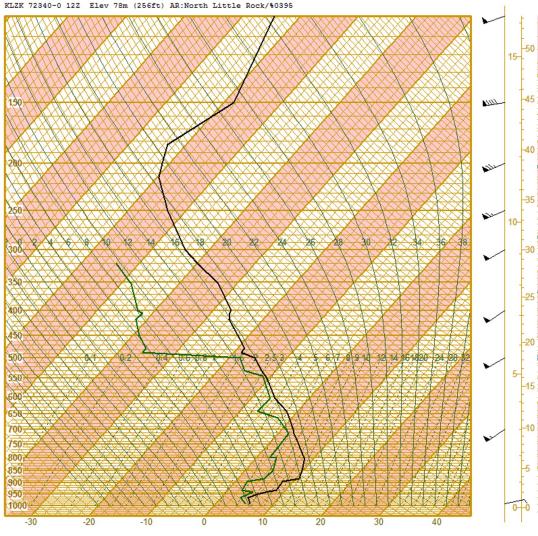
#### 12 Z Norman, OK



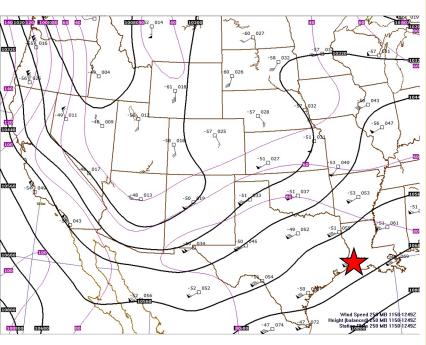


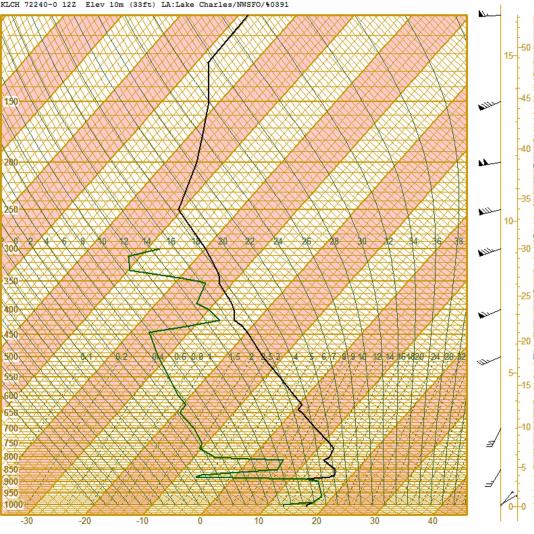
### 12 Z Little Rock, AR



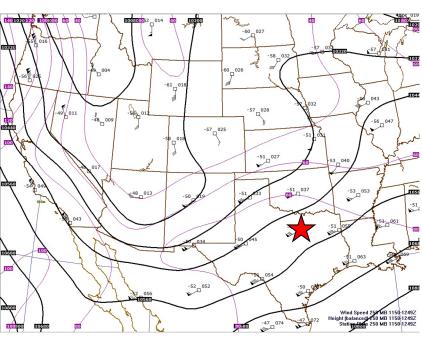


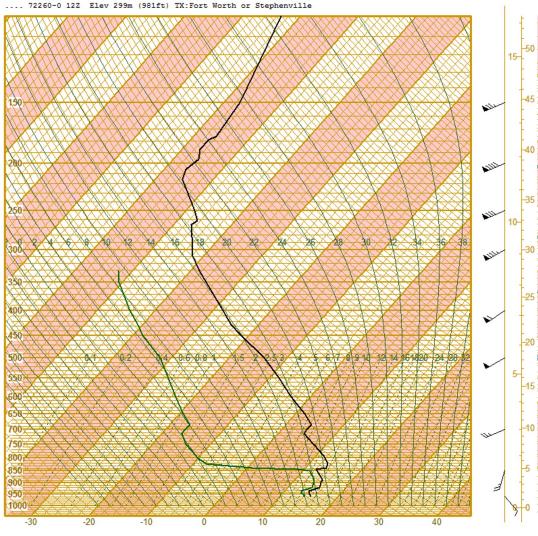
# 12 Z Lake Charles, LA



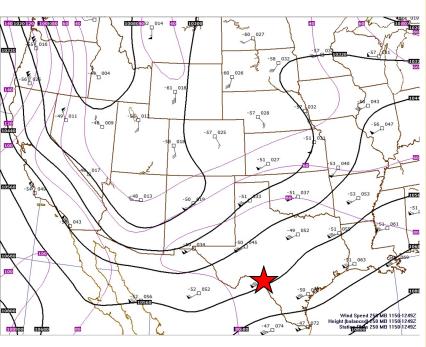


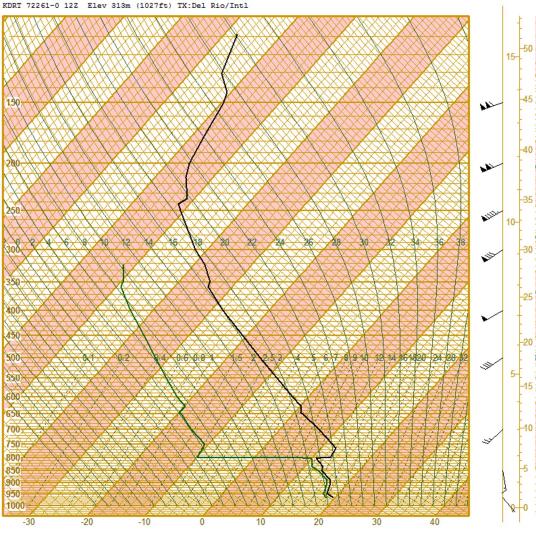
### 12 Z Fort Worth, TX



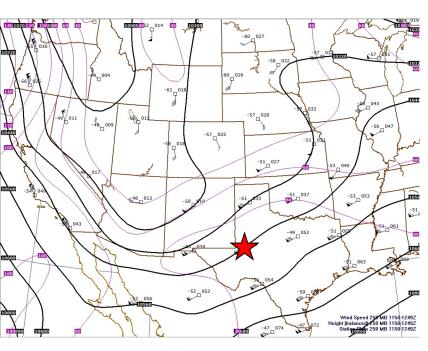


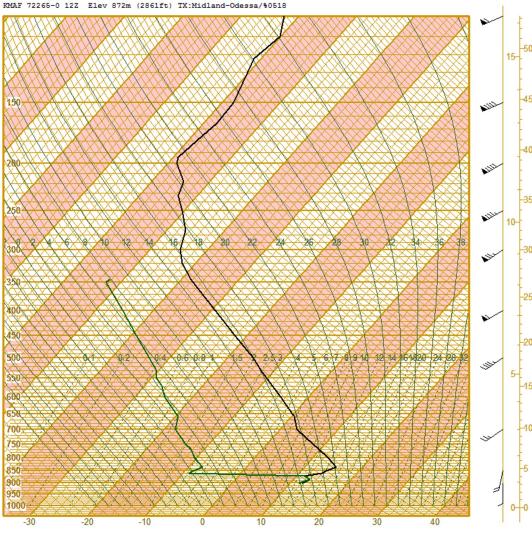
#### 12 Z Del Rio, TX



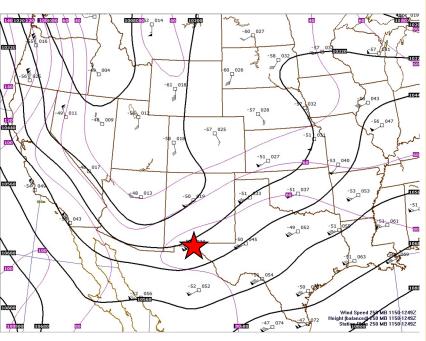


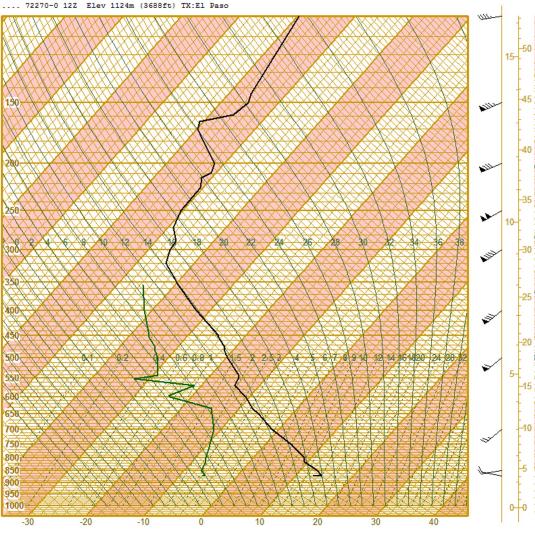
#### 12 Z Midland, TX

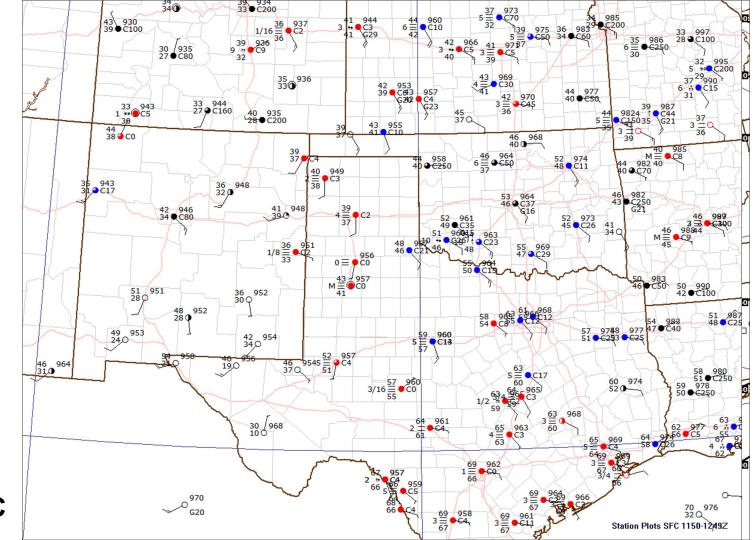




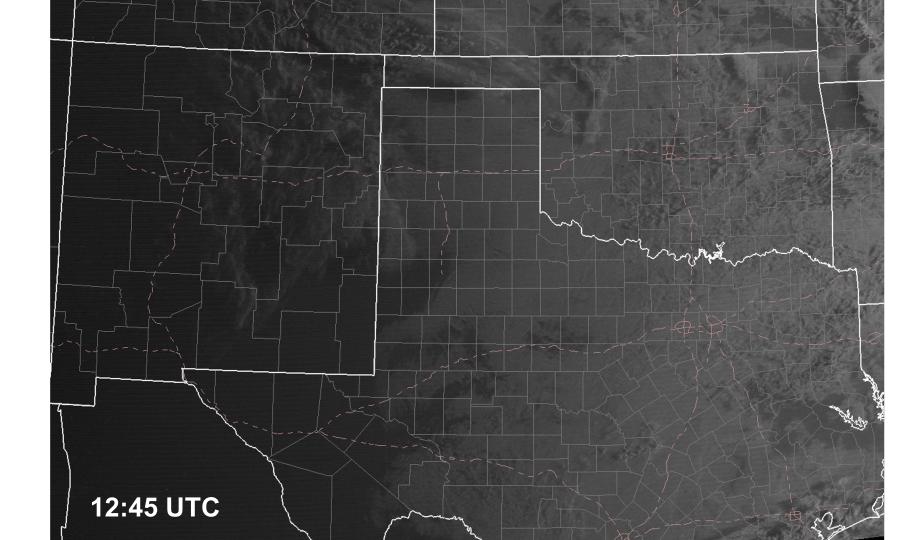
### 12 Z El Paso, TX



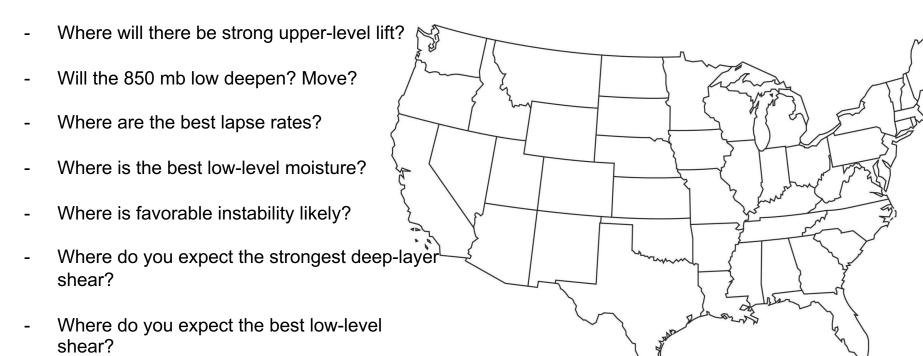




#### 12:00 UTC



#### **Initial Thoughts?**



#### Create a 13Z Outlook

- What is the areal coverage of the threat?
- Are there more than one areas of concern?
- What is the most likely storm mode?
- What is the most likely hazard?
- What will the highest category be?
- How confident are we?

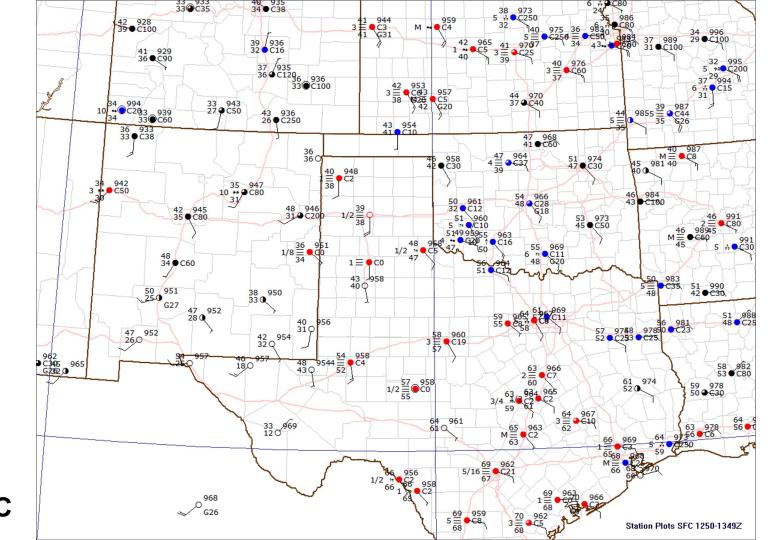


#### HAND ANALYSIS TIME!

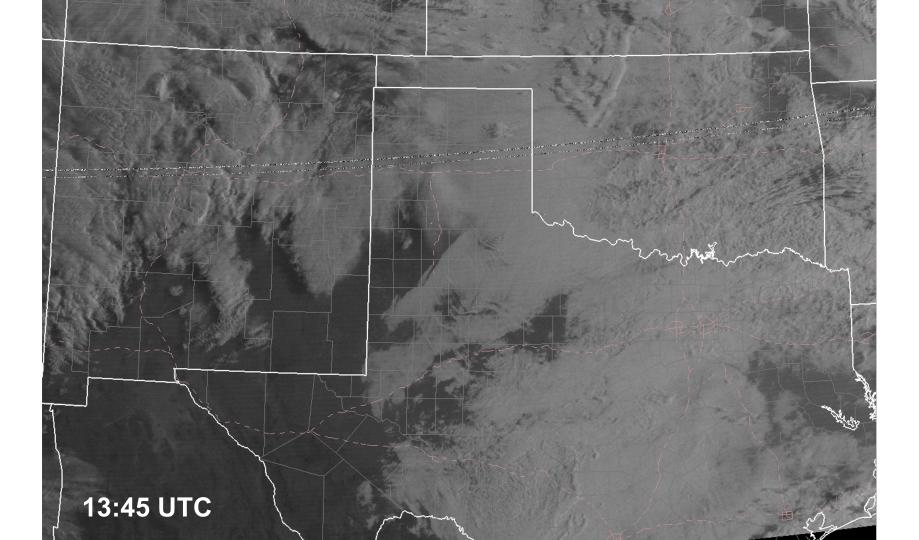
Let's take the next 10-15 to do a rough hand analysis

#### **Priorities:**

- 1) Boundaries
- 2) Moisture
- 3) Temperature
- 4) Surface Pressure



#### 13:00 UTC



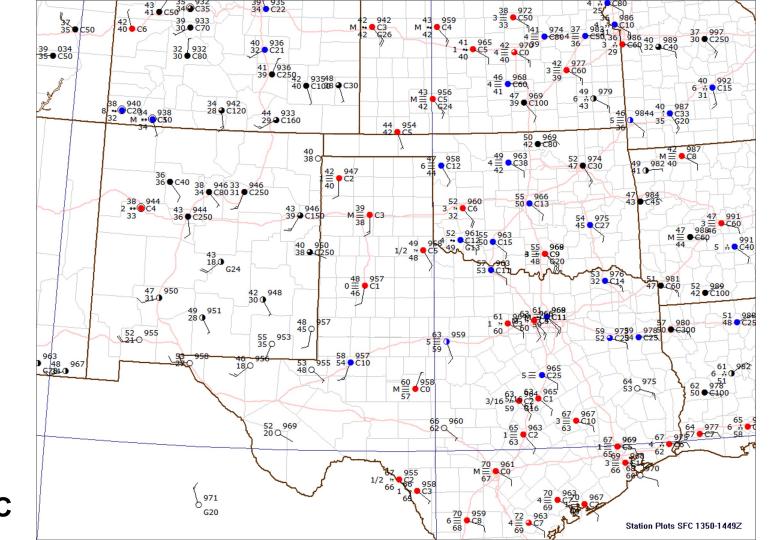
#### 14 Z Update

#### **Watch Consideration:**

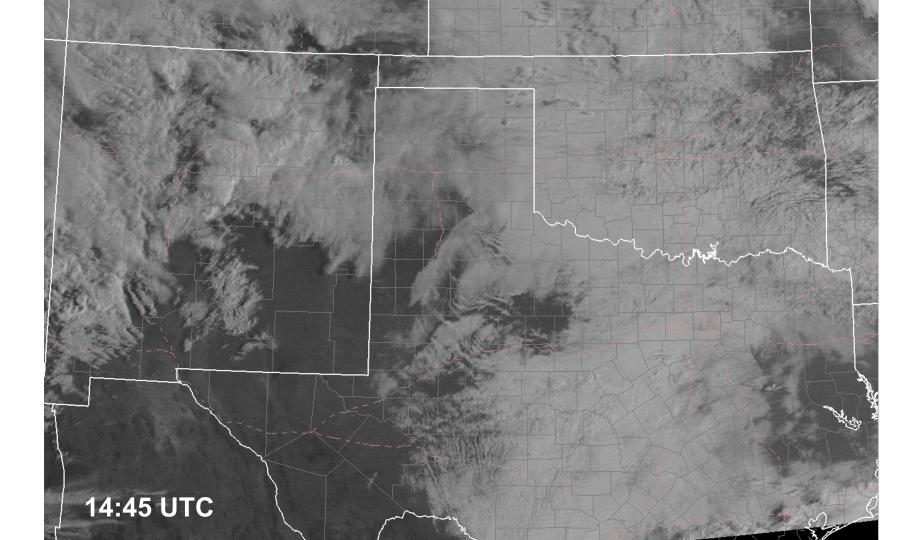
- When to start?
- When to end?
- What Type?

If it's time, let's write a mesoscale discussion!





#### 14:00 UTC



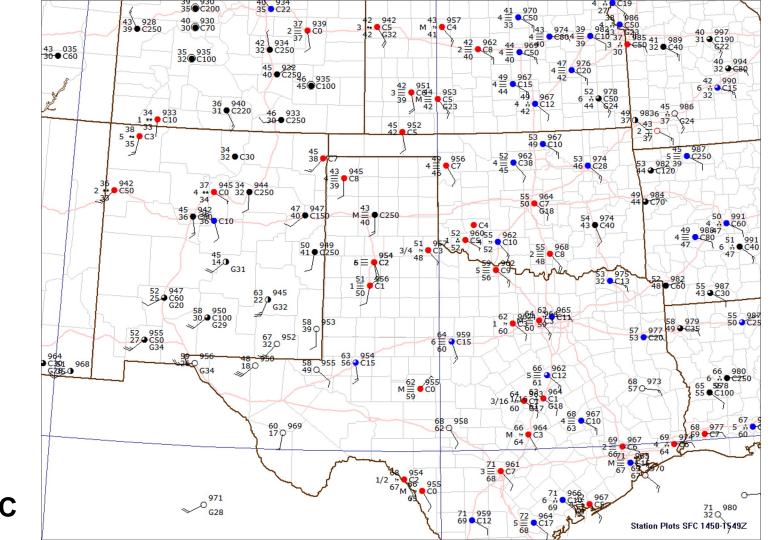
#### 15 Z Update

#### **Watch Consideration:**

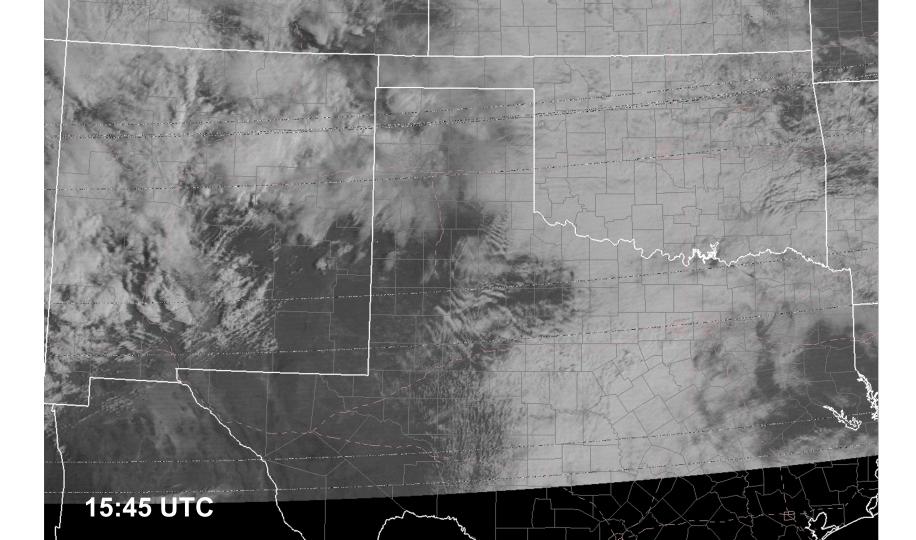
- When to start?
- When to end?
- What Type?

If it's time, let's write a mesoscale discussion!





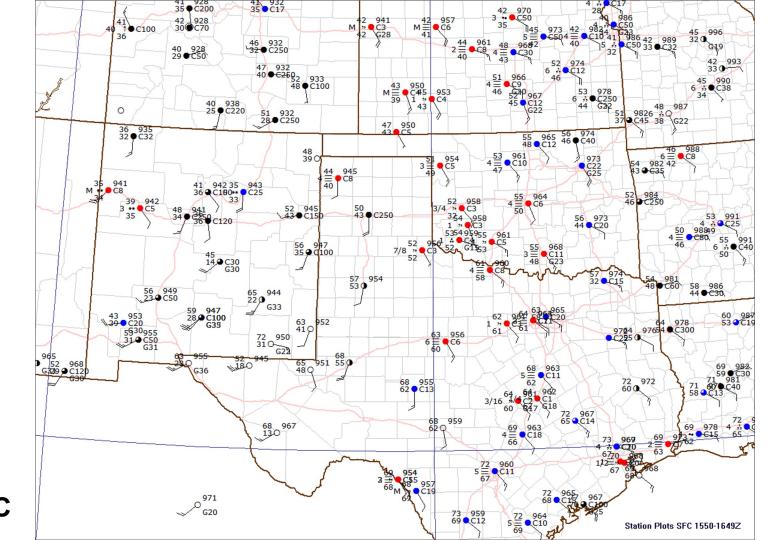
#### 15:00 UTC

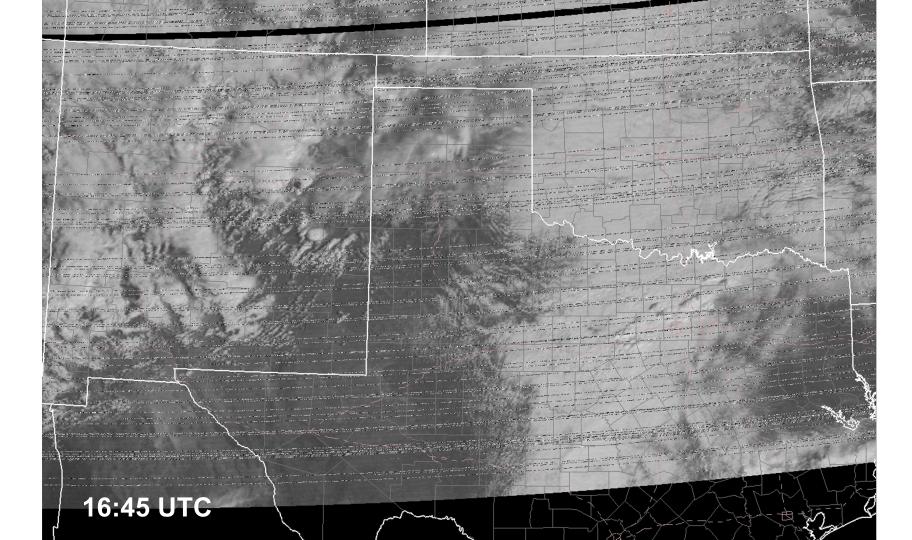


### **Watch Consideration:**

- When to start?
- When to end?
- What Type?







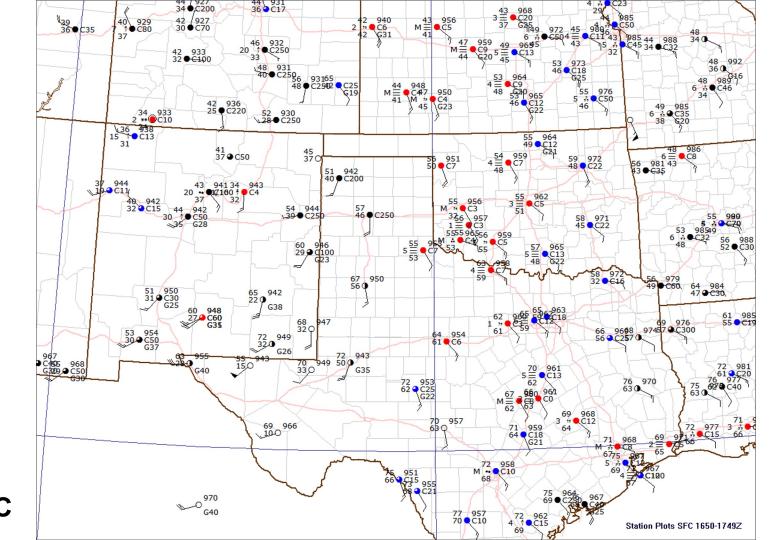
### 1630 Outlook Update

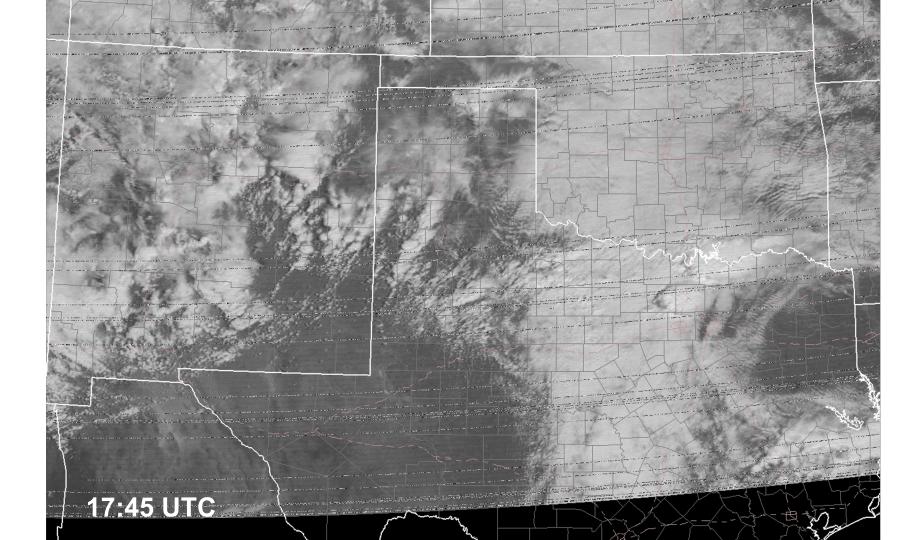
Based off the recent trends, do we need to adjust the outlook?

#### **Watch Consideration:**

- When to start?
- When to end?
- What Type?



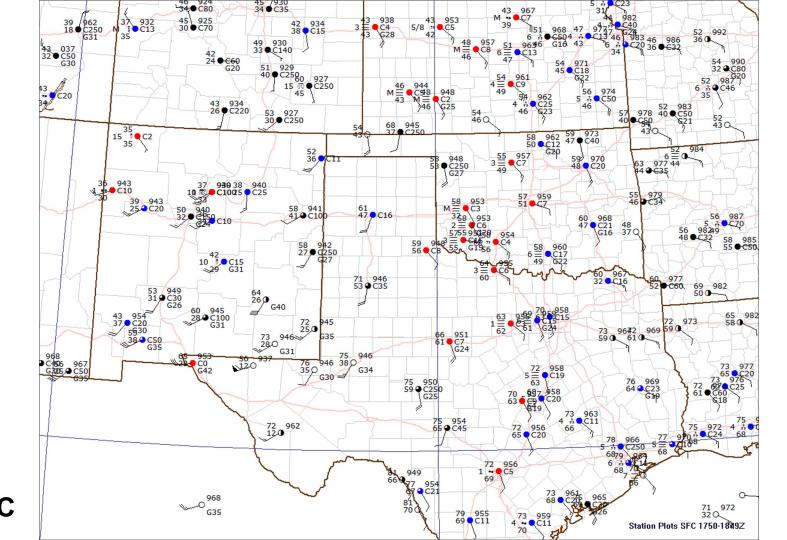


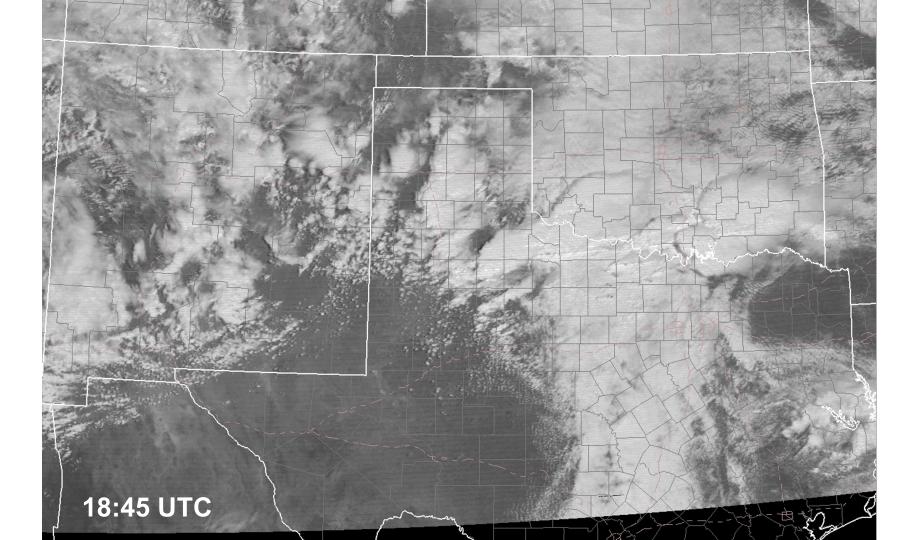


### **Watch Consideration:**

- When to start?
- When to end?
- What Type?



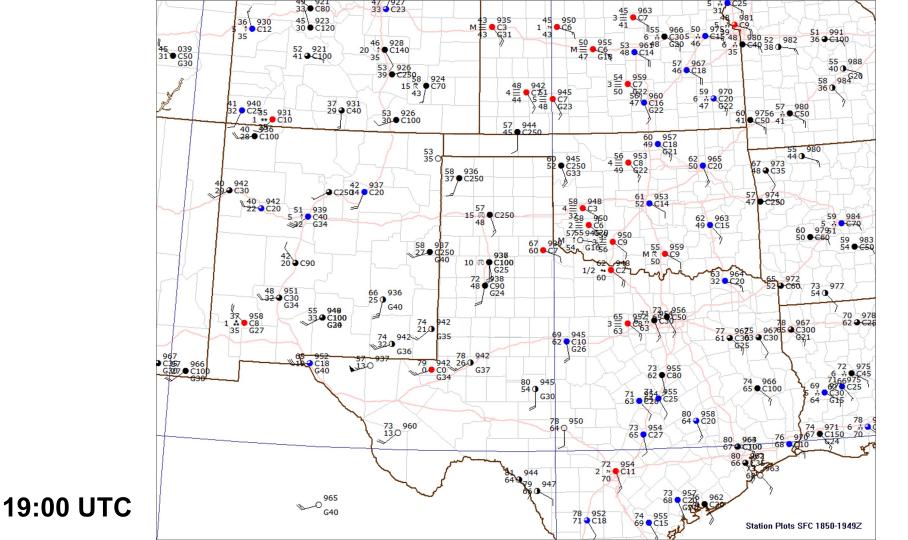


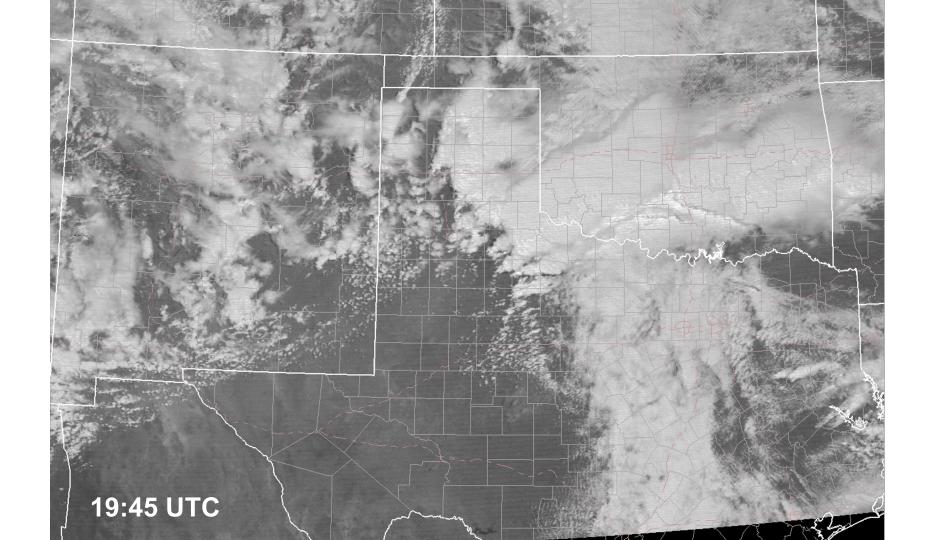


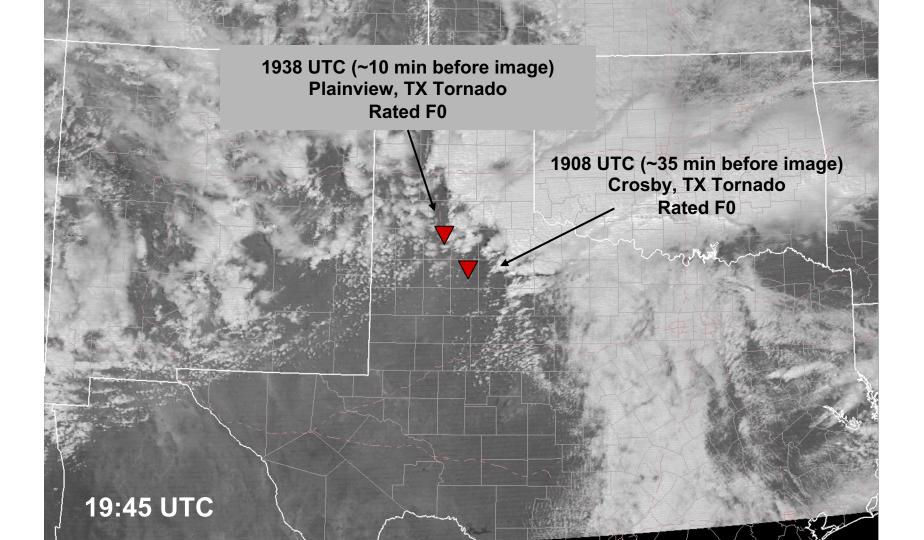
### **Watch Consideration:**

- When to start?
- When to end?
- What Type?





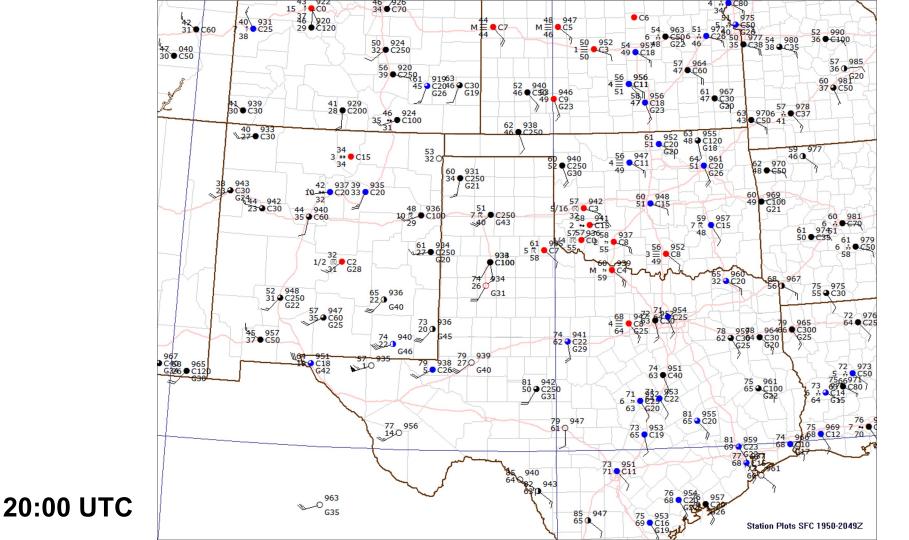


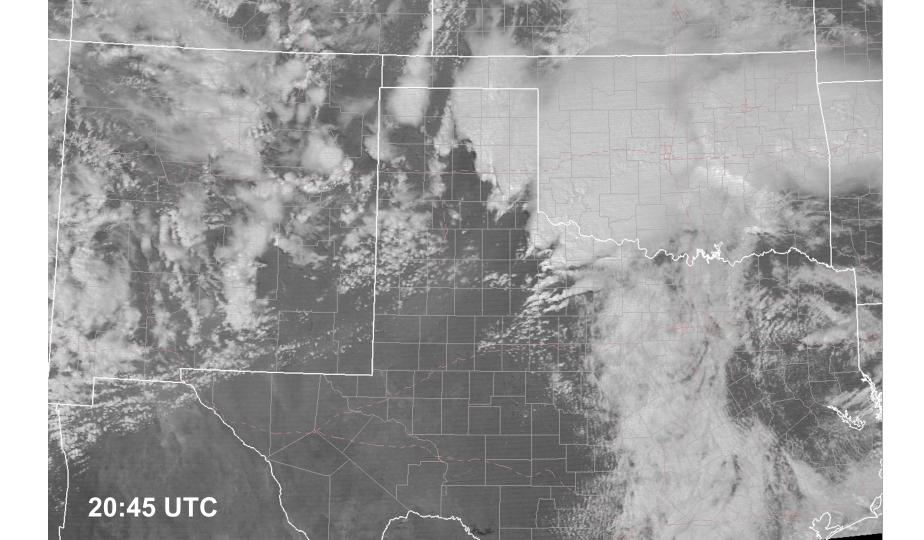


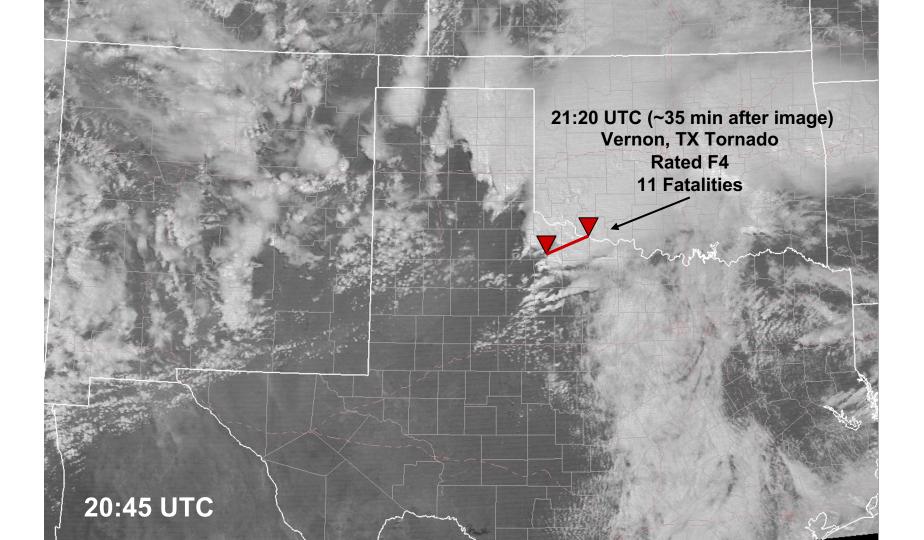
#### **Watch Consideration:**

- When to start?
- When to end?
- What Type?





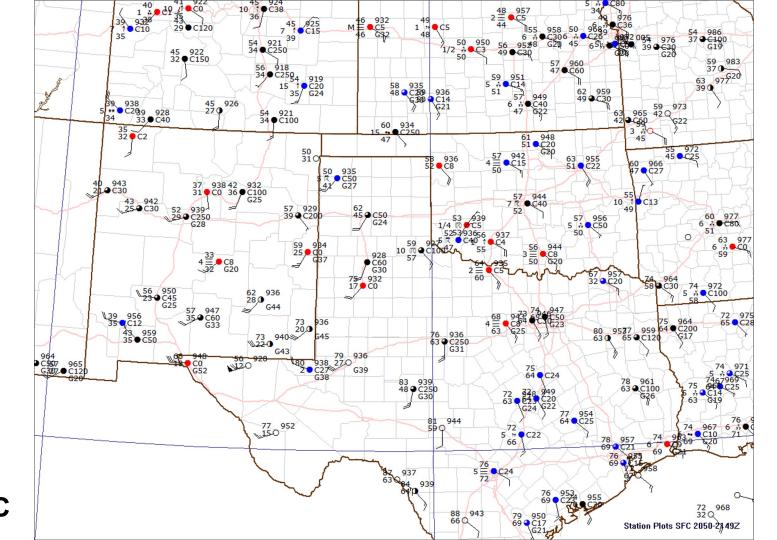


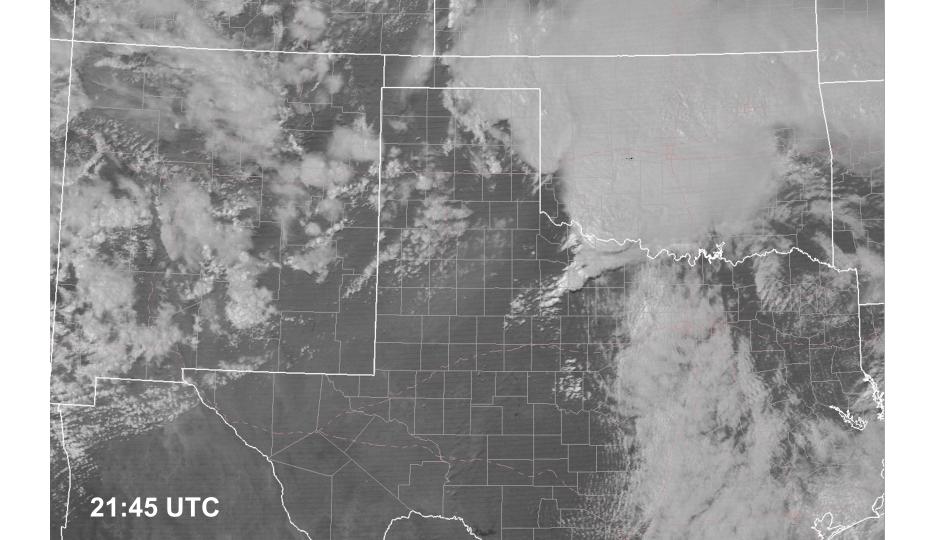


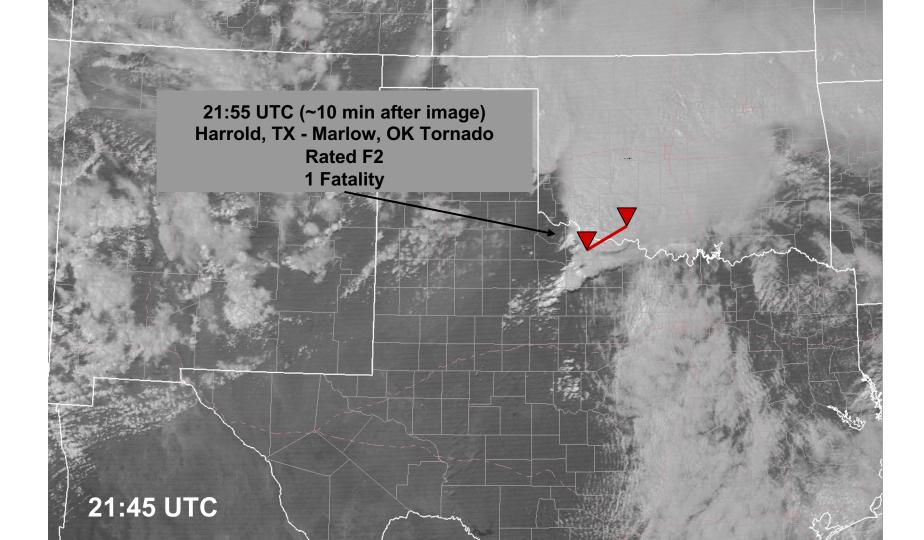
#### **Watch Consideration:**

- When to start?
- When to end?
- What Type?





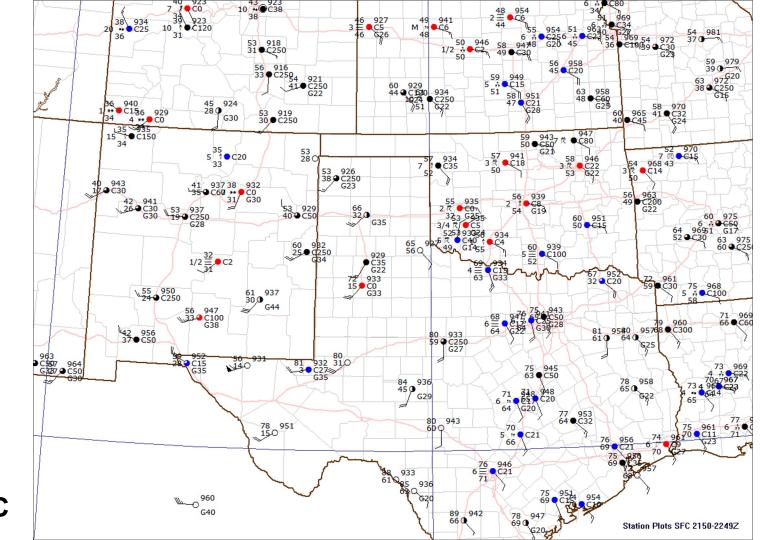


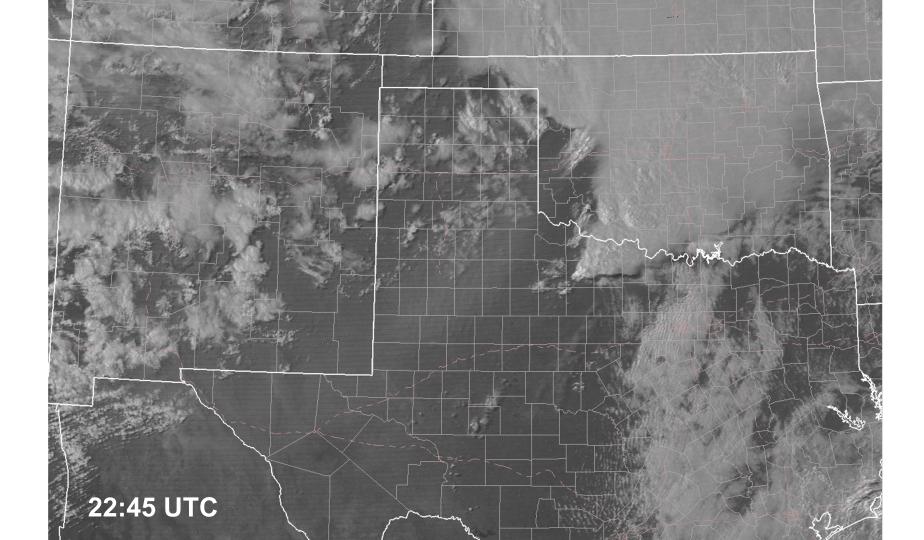


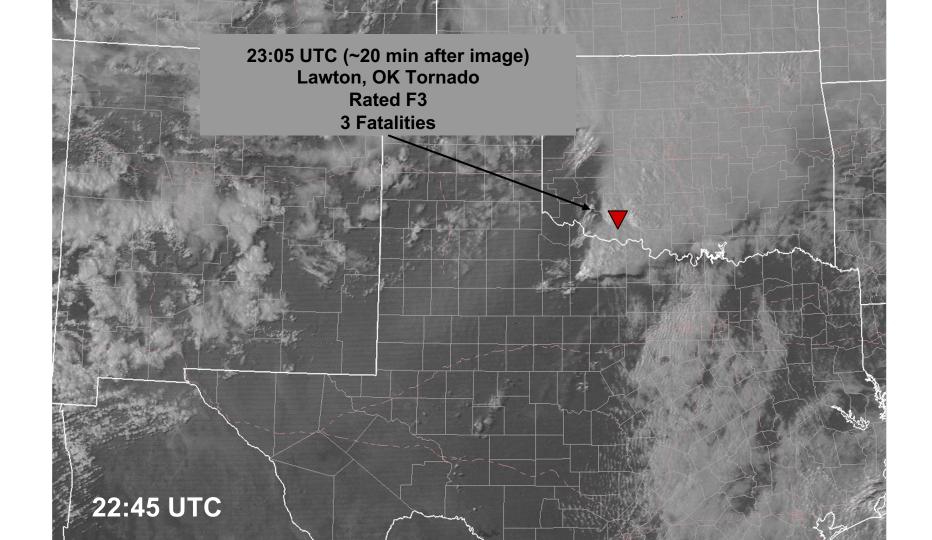
### **Watch Consideration:**

- When to start?
- When to end?
- What Type?





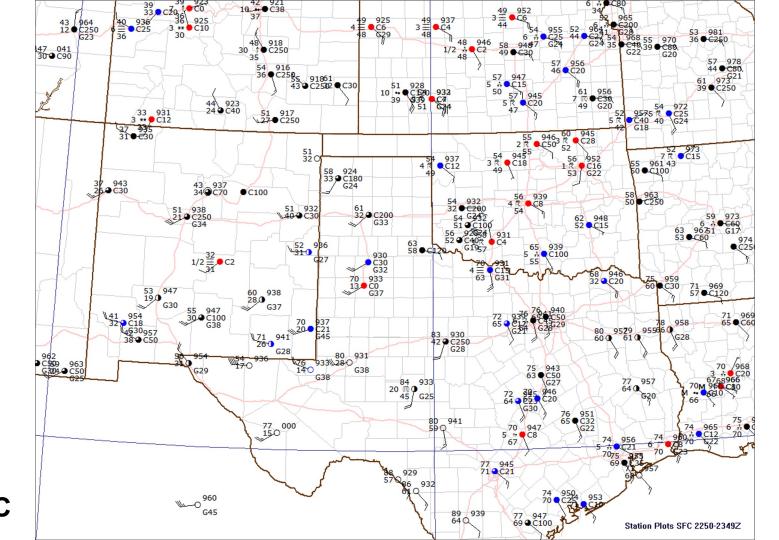


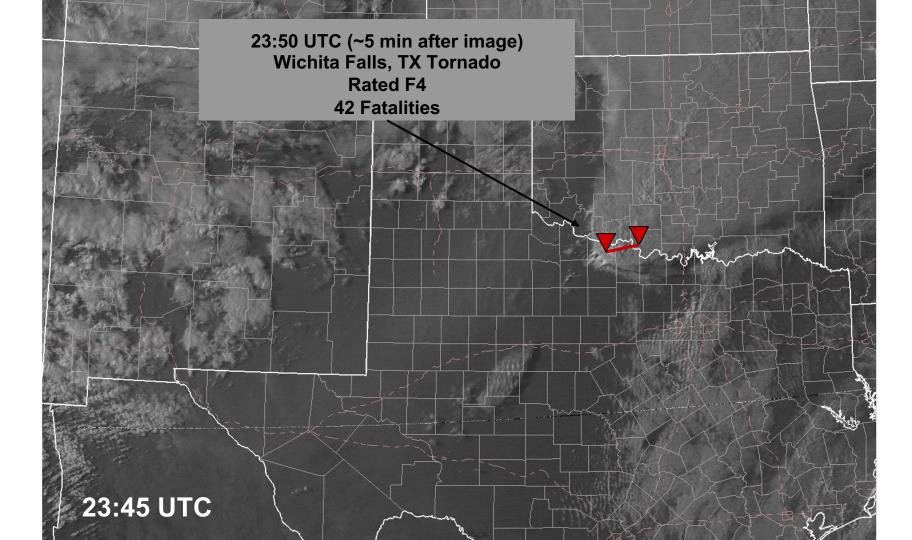


### **Watch Consideration:**

- When to start?
- When to end?
- What Type?







#### Tornado Watch Box #67 Valid 2:30 p.m. to 7:00 p.m., April 10, 1979

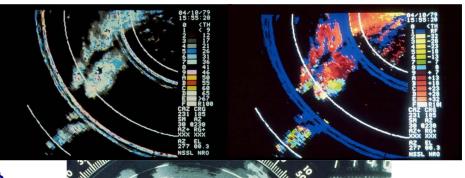
The cities of Wichita Falls and Vernon, Texas and Lawton, Oklahoma are within the Watch Area.

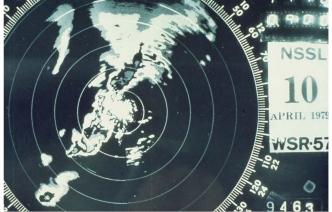
#### Ponca City Gage OKLAHOMA Dalhart Tulsa Oklahoma City Amarillo McAlester Lawton • Vernon Wichita **Falls** Lubbock Dallas Mineral Fort Abilene Worth Wells Midland Waco San Angelo Lufkin **TEXAS** College Station Austin Beaumont Houston Del Rio San Antonio **9** Galveston **Palacios** Victoria Cotulla

### **Terrible Tuesday!**

# **April 10, 1979**

Red River Valley Tornado Outbreak
59 Tornadoes
56 Fatalities





Mapped by FUJITA & WAKIMOTO Red River Valley Tornado Outbreak THE UNIVERSITY OF CHICAGO (Based on data as of May 5, '79) of APRIL 10, 1979 Mapping for "SESAME", 1979 # ANADARKO NO. Name and Storm Type Length F, P, P Killed/Injured Basedon survey by CHICKASHA Crowell Tornado 23mi 2,3,2 UofC, NSSL Vernon Tornado 39 4,4,3 10 70 U of C, NASA, NSSL Hollister Tornado 8 2,2,1 U of C. NSSL Faxon Tornado 7 1.2.1 2 U of C, NSSL MALEX 5. Lawton Tornado 4 3,2,2 U of C, NASA, NSSL Grandfield Tornado Marlow Twa Downburst 18 1,3,6 MAYSVILLE 8. Purcell (west of) High Wind 9. Noble Tornado 10. Prague Tornado STERLING PAULS VALLEY Seymour Tornado NSSL, Uof C Wichita Falls Tornado 47 4.4.4 U of C, NASA 13. Pruitt Tornado 27mi 3.3.3 U of C 0 1 2 4 3 1 2 1+Fujita Scale 2,100 aerial photos of damage areas HIGH WINDS TORNADO filed at Uof C DUNCAN MANITOU TIPTON RATLIFF CITY **COMANCHE** 9000LETT QUANAH **CHILLICOTHE** PHEALDTON WILSON BURKBURNETT ELECTRA. 34"00"-IOWA PARK WICHITA FAL #HENRIETTA "TRUSCOTT \*GILLILAND 60 miles





### **Terrible Tuesday Documentary:**



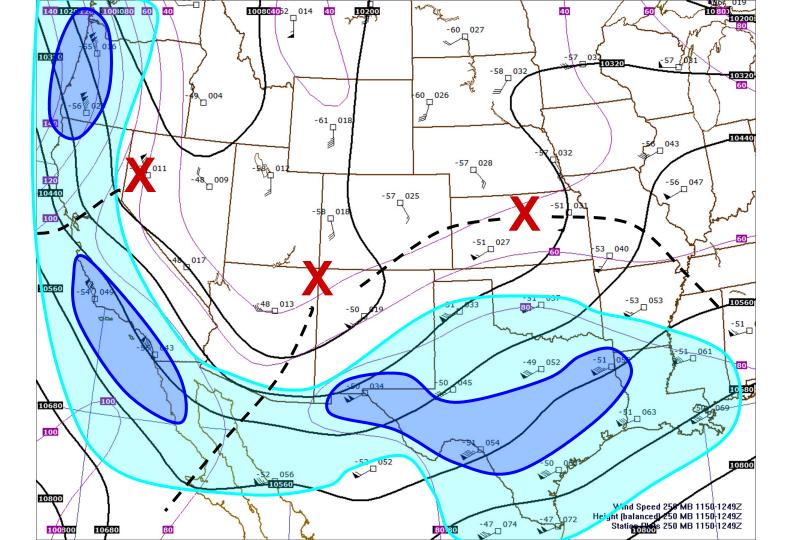






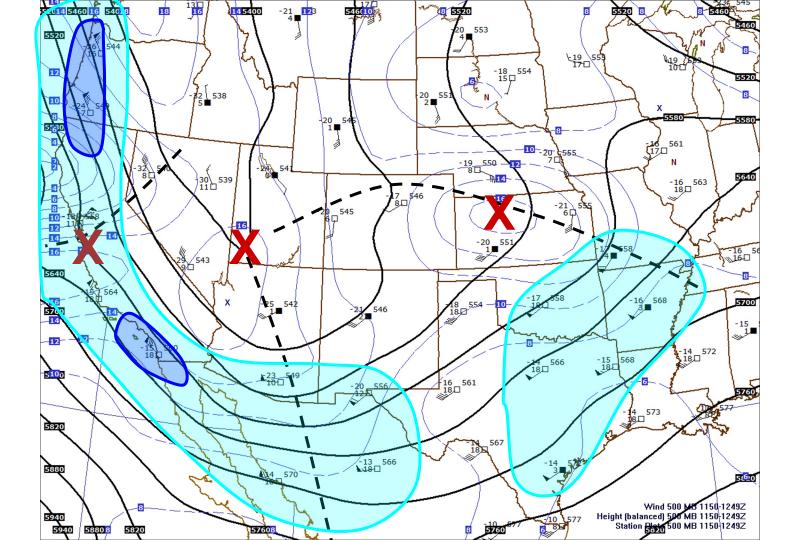
75 knots

90 knots



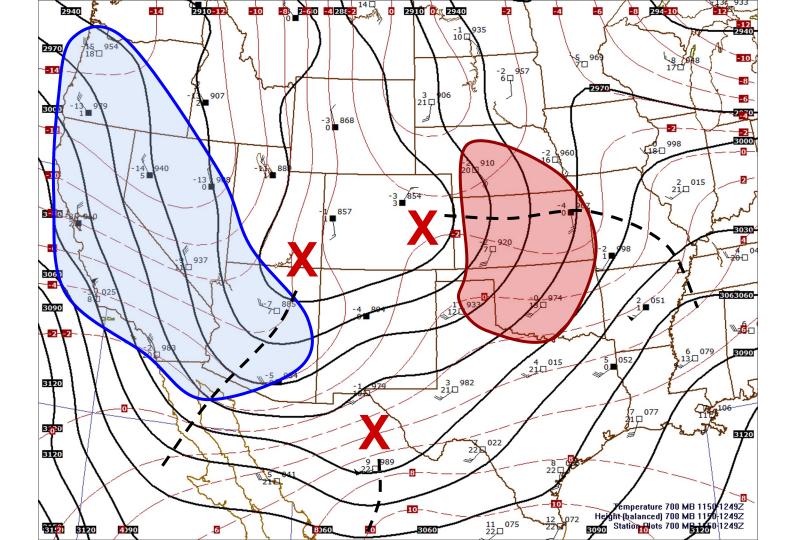
50 knots

75 knots



WAA

CAA



WAA

CAA

