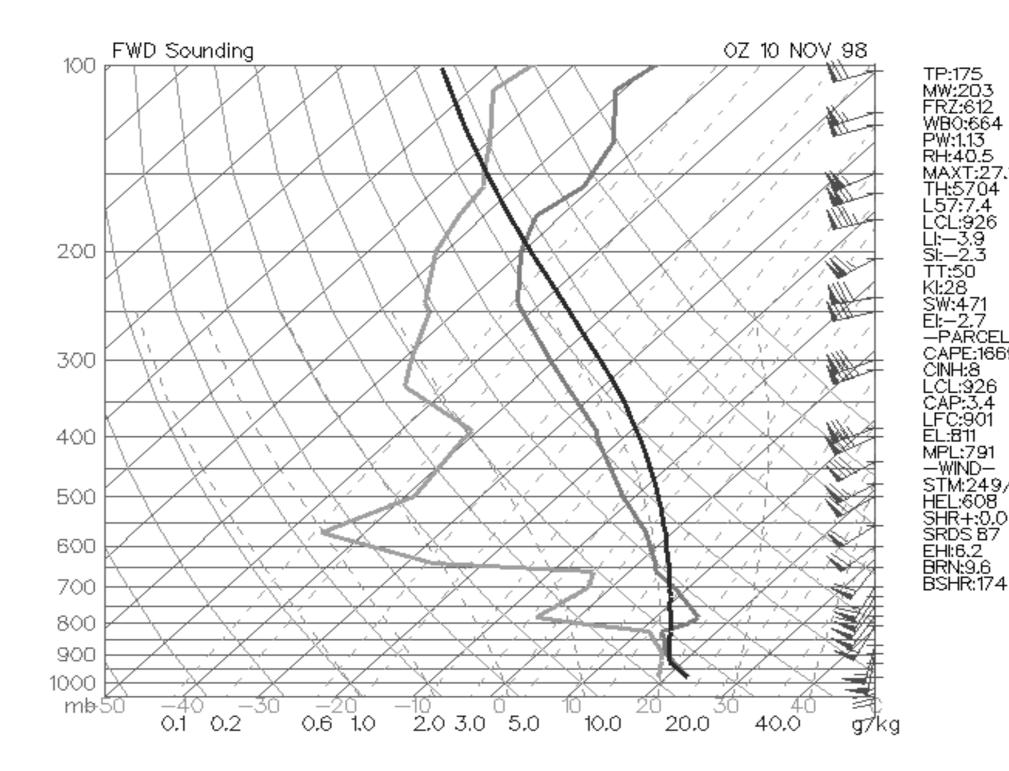
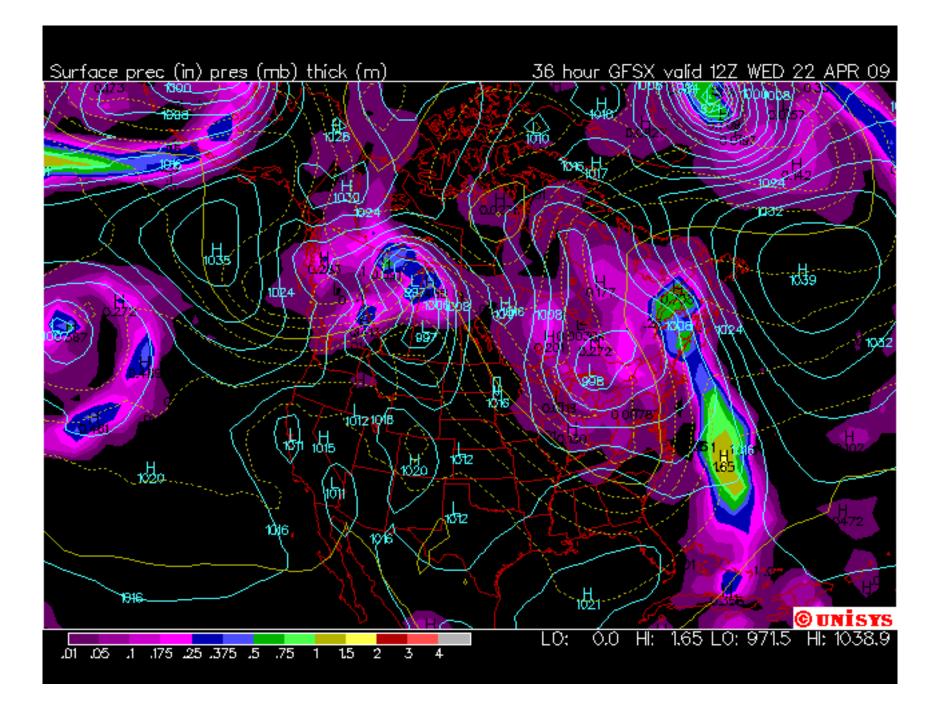
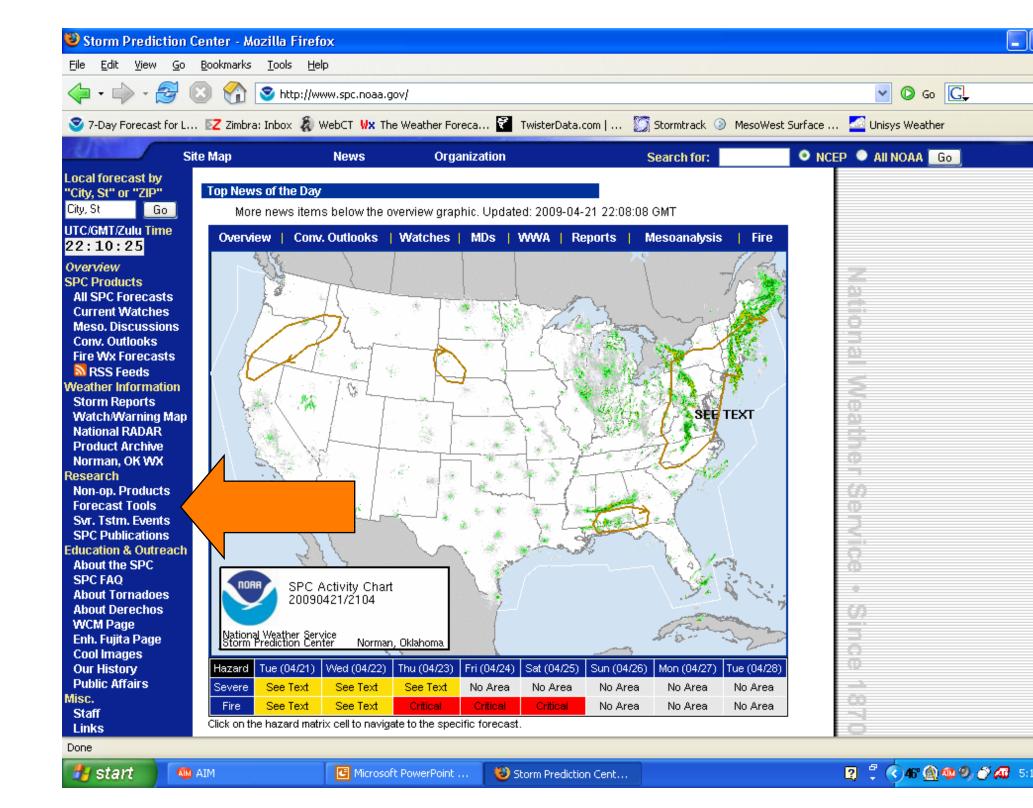
Severe Weather Forecasting Using Forecast Soundings

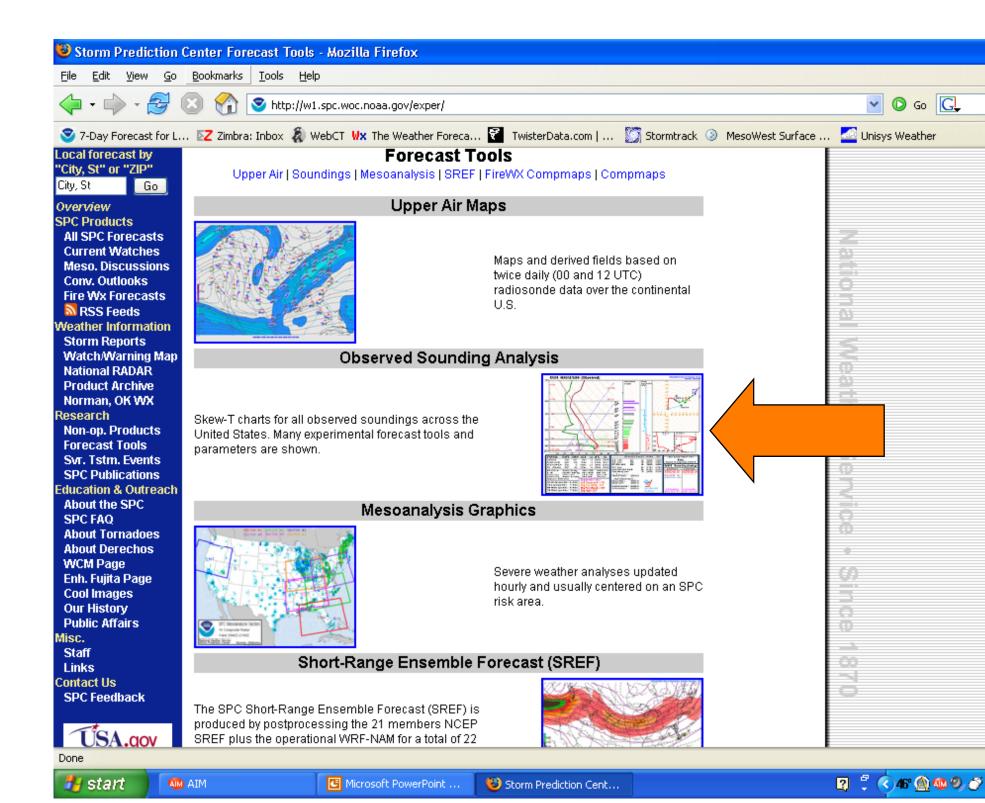


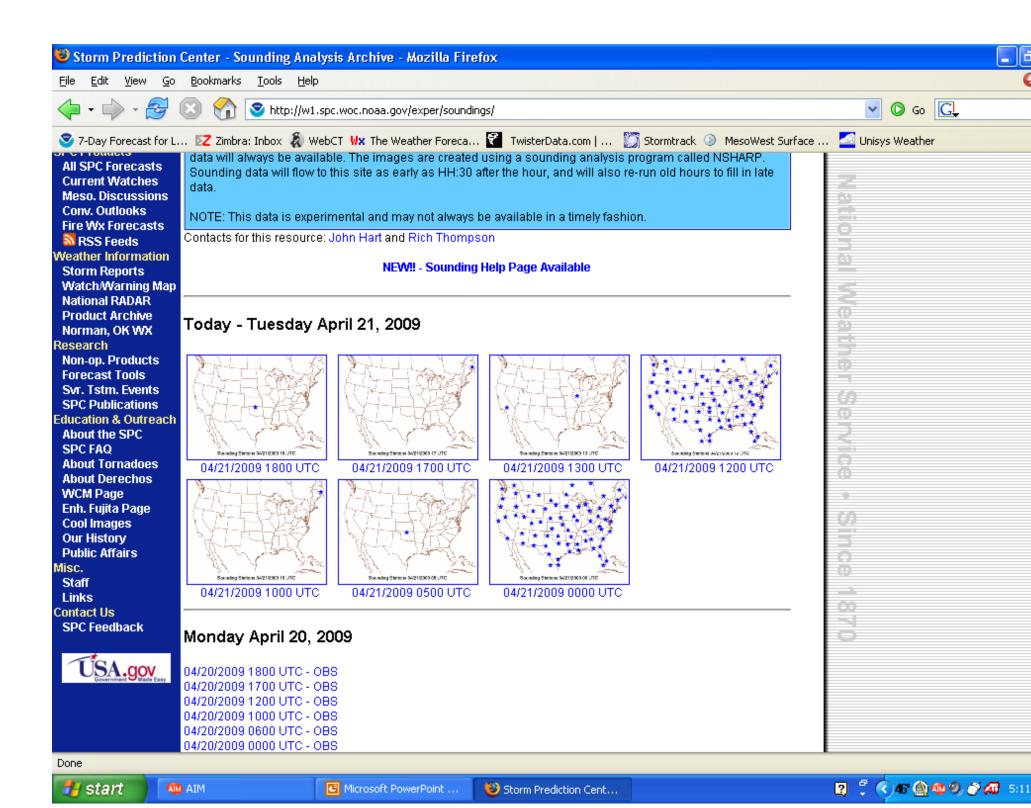


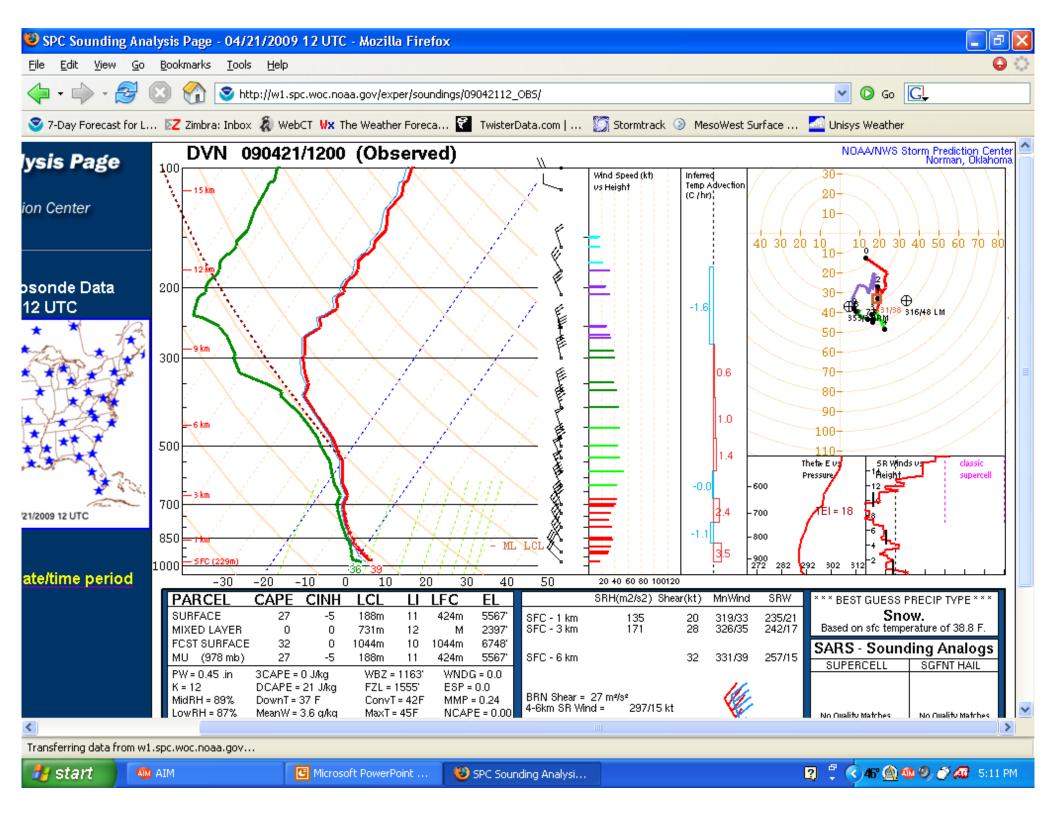












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THE FOR This gives you a forecast sounding WRF, NGM, GFS or UKMET mod Mexico is <u>here</u> . Please note that on incomplete one, data may still be co roughly at 8Z and 20Z. MRF come Surgeon General's Warning: This 1	ECAST M from the Nations dels for any site t dy stations in the oming in. Try 30 is in by 13Z.	ODEL S al Centers for I hat produces a Western Hemi minutes later, o	OUND Environmer METAR. sphere will or an hour	DING N ntal Predict A compreh work. Also later for th	IACHI ion (NCEP)' ensive list fo o, if you get i e Aviation m	NE s operations r the US, Ca to sounding odel. AVN o	mada and or an comes in
Risk!!!!	rage Promotes I	Areteorological		Lanoratory	rorecaster	s. Use At 10	
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Step Two: Choose Y (NOTICEII: For the RUC, every 3 hours throu only. For the GFS, every 6 hours through 84 ho Done	igh 12 hours only, for t	he WRF, every 6 ho) hours only. fo	r the NGM, ever	ry 6 hours throug	gh 48 hours
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(NOTICE!!: For the RUC, every 3 hours through 12 hours only; for the WRF, every 6 hours through 60 hours only. for the NGM, every 6 hours through 48 hours only. For the GFS, every 6 hours through 84 hours, then every 12 hours through 240 hours.

Select One:

○ 0 ○ 3 ○ 6 ○ 9 ○ 12 ○ 15 ○ 18 ○ 21 ○ 24 ○ 30 ○ 36 ○ 42 ○ 48 ○ 54 ○ 60 ○ 66 ○ 72 ○ 84 ○ 96 ○ 108
○ 120 ○ 132 ○ 144 ○ 156 ○ 168 ○ 180 ○ 192 ○ 204 ○ 216 ○ 228 ○ 240

Step Three: Decide Data Output Format

Select One:

- Skew-T Diagram
- Emagram
- 🔘 STUVE Diagram
- O Hodograph

Step Four: Decide On Metar Site

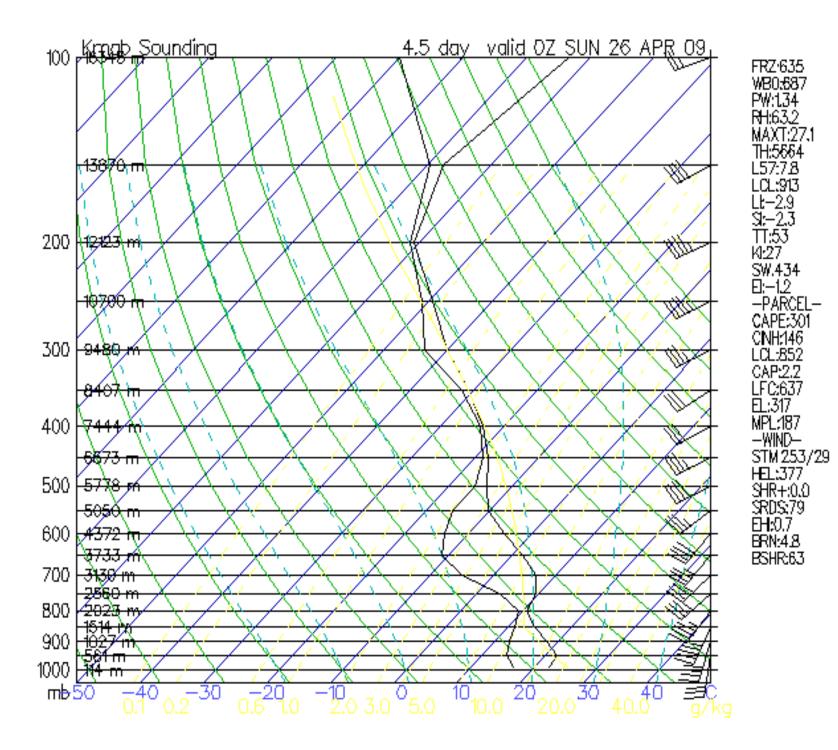
Please enter the 4 character weather station ID, starting with a "K" for U.S. stations: KOKC

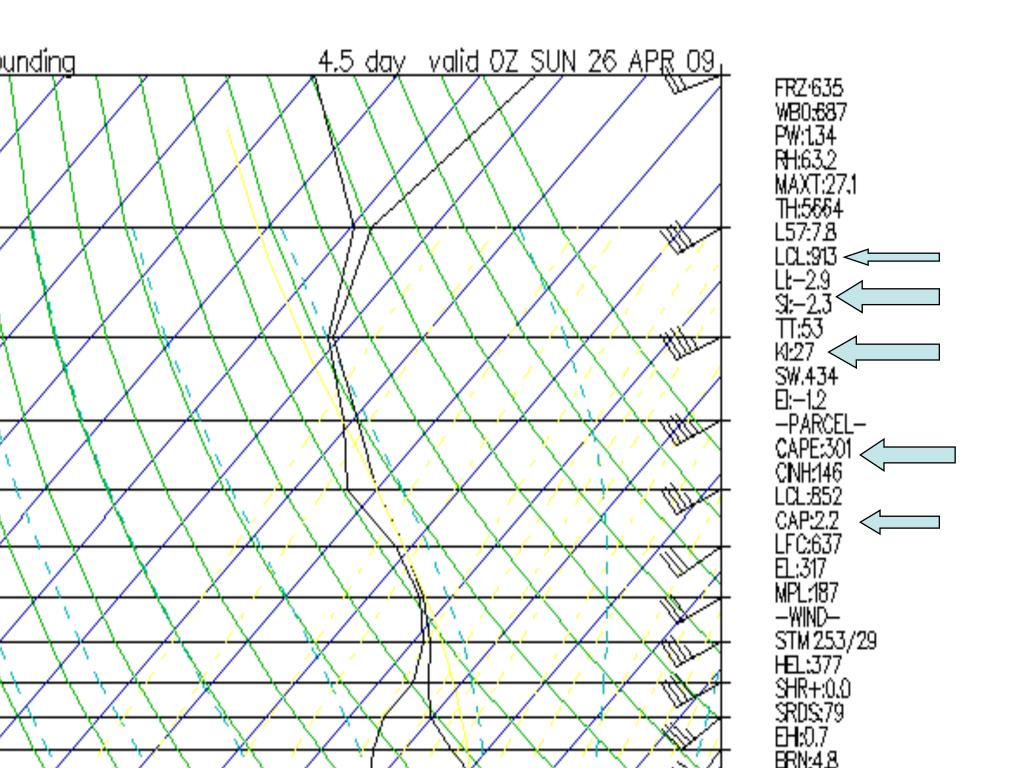
Step Five: Decide Background Color

Done

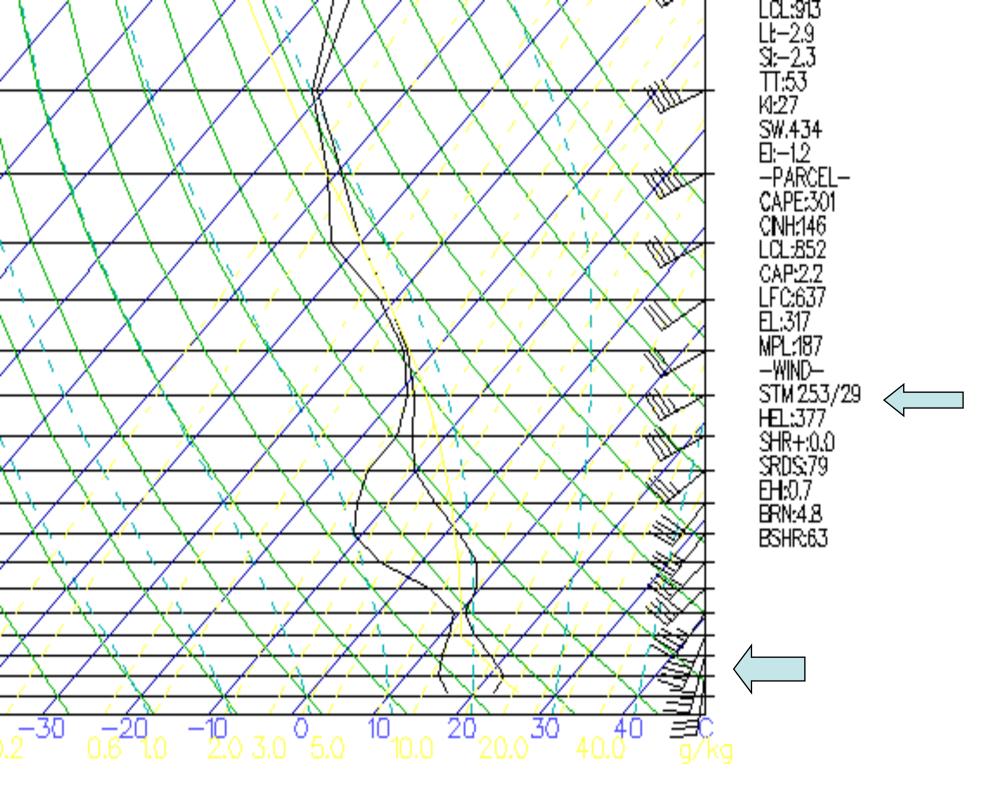
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	SEVERE WEAT	HER IND		AGE			
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1	TOTAL TOTALS	SI	PEED SH	HEAR			
<44	Convection not likely	0-3	Weak				
44-50	Likely thunderstorms	4-5	Moderate	9			
51-52	Isolated severe storms	6-8	Large				
53-56	Widely scattered severe	8+	Severe				
>56	Scattered severe storms				·		
	K INDEX		CAPE				
15-25	Small convective potential	1 - 1,500		Positive	1		
26-39	Moderate convective potential	1,500 - 2,50	00	Large			
40+	High convective potential	2,500+		Extreme			



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	SWEAT	S					
150-300	Slight severe	150-300	Possible supercell				
300-400	Severe possible	300-400	Supercells favorable				
400+	Tornadic possible	400+	Tornadic possible				
	ED INDEX / SWI	-45	BRN Supercells favorable	1			
LIFT -1 to -4	ED INDEX / SWI Marginal instability	<45	BRN Supercells favorable	1			
		<45 <10		-			
-1 to -4	Marginal instability		Supercells favorable				
-1 to -4 -4 to -7	Marginal instability Large instability	<10	Supercells favorable Too sheared				
-1 to -4 -4 to -7	Marginal instability Large instability	<10	Supercells favorable Too sheared				
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Done



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WHERE CAN I GET FORECAST SOUNDINGS!?

- <u>http://www.wxcaster.com/etaskewts.htm</u>
- <u>http://www.stormchaser.niu.edu/machine/</u> <u>fcstsound.html</u>
- OR TO LEARN MORE, CHECK OUT
- http://www.theweatherprediction.com/

HAPPY FORECASTING!



