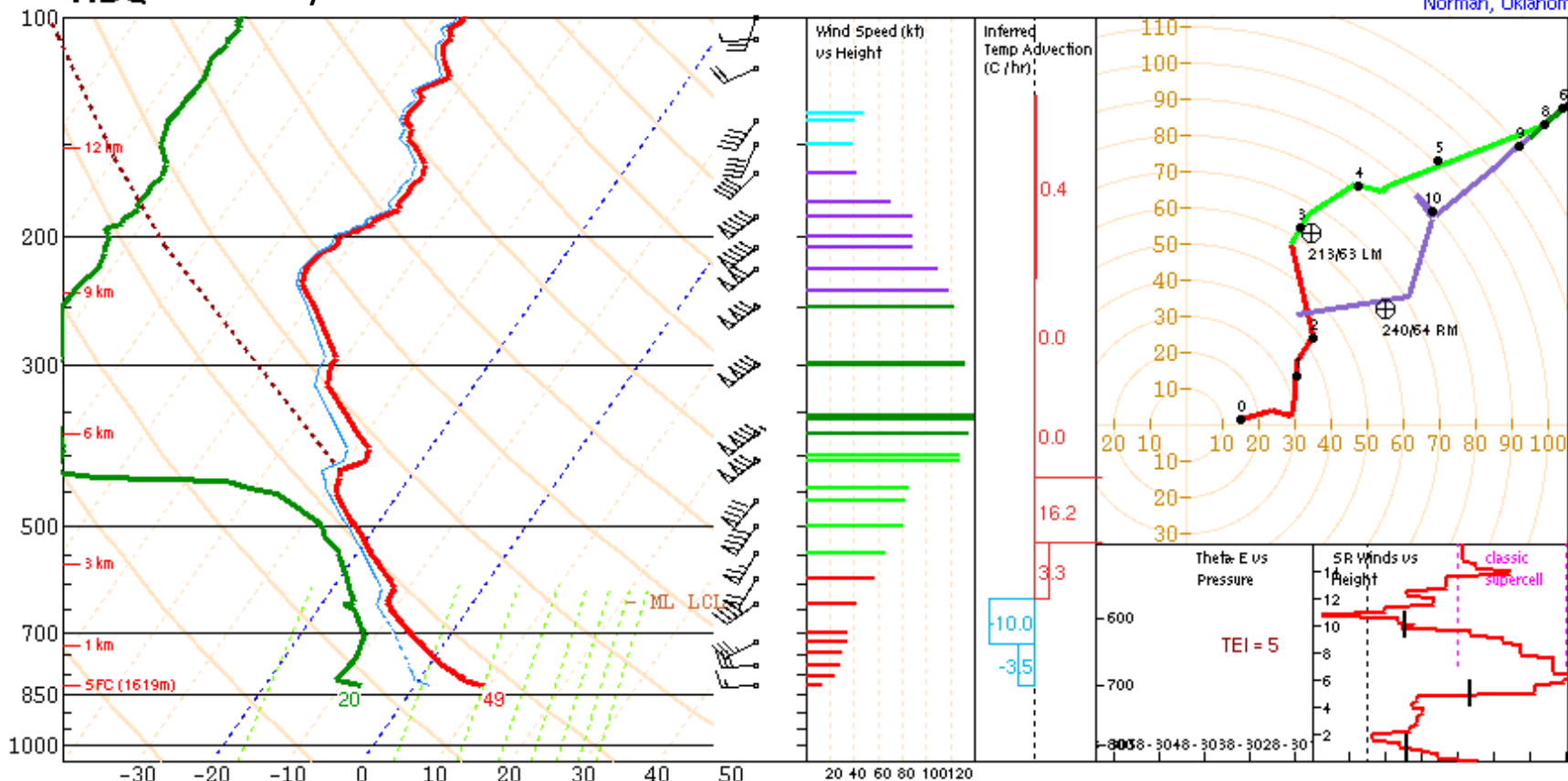


# ABQ 00Z Day 2



PARCEL	CAPE	CINH	LCL	LI	LFC	EL
SURFACE	3	0	1953m	2	1953m	7215'
MIXED LAYER	0	0	2075m	4	M	6804'
FCST SURFACE	0	0	2315m	2	M	7592'
MU (828 mb)	3	0	1953m	2	1953m	7215'

PW = 0.25 in	3CAPE = 0 J/kg	WBZ = 413'	WWDG = 0.0
K = M	DCAPE = 232 J/kg	FZL = 2411'	ESP = 0.0
MidRH = 65%	DownT = 33 F	ConvT = 56F	MMP = 1.00
LowRH = 44%	MeanW = 2.3 g/kg	MaxT = 49F	NCAPE = 0.00
SigSevere = 0 m3/s3			
Sfc-3km Agl Lapse Rate = 8.5 C/km			
3-6km Agl Lapse Rate = 5.1 C/km			
850-500mb Lapse Rate = M			
700-500mb Lapse Rate = 6.9 C/km			

<b>Supercell = 0.0</b>
<b>Left Supercell = 0.0</b>
<b>Sig Tor (CIN) = 0.0</b>
<b>Sig Tor (fixed) = 0.0</b>
<b>Sig Hail = 0.0</b>

SRH(m2/s2)	Shear(kt)	MnWind	SRW
SFC - 1 km	-4	22	256/29
SFC - 3 km	244	60	232/38
SFC - 6 km		124	228/55
BRN Shear = 176 m/s²			
4-6km SR Wind = 209/48 kt			
..... Storm Motion Vectors.....			
Bunkers Right = 240/64 kt		Bunkers Left = 213/63 kt	
Corfidi Downshear = 45/1230 kt		Corfidi Upshear = 46/629 kt	

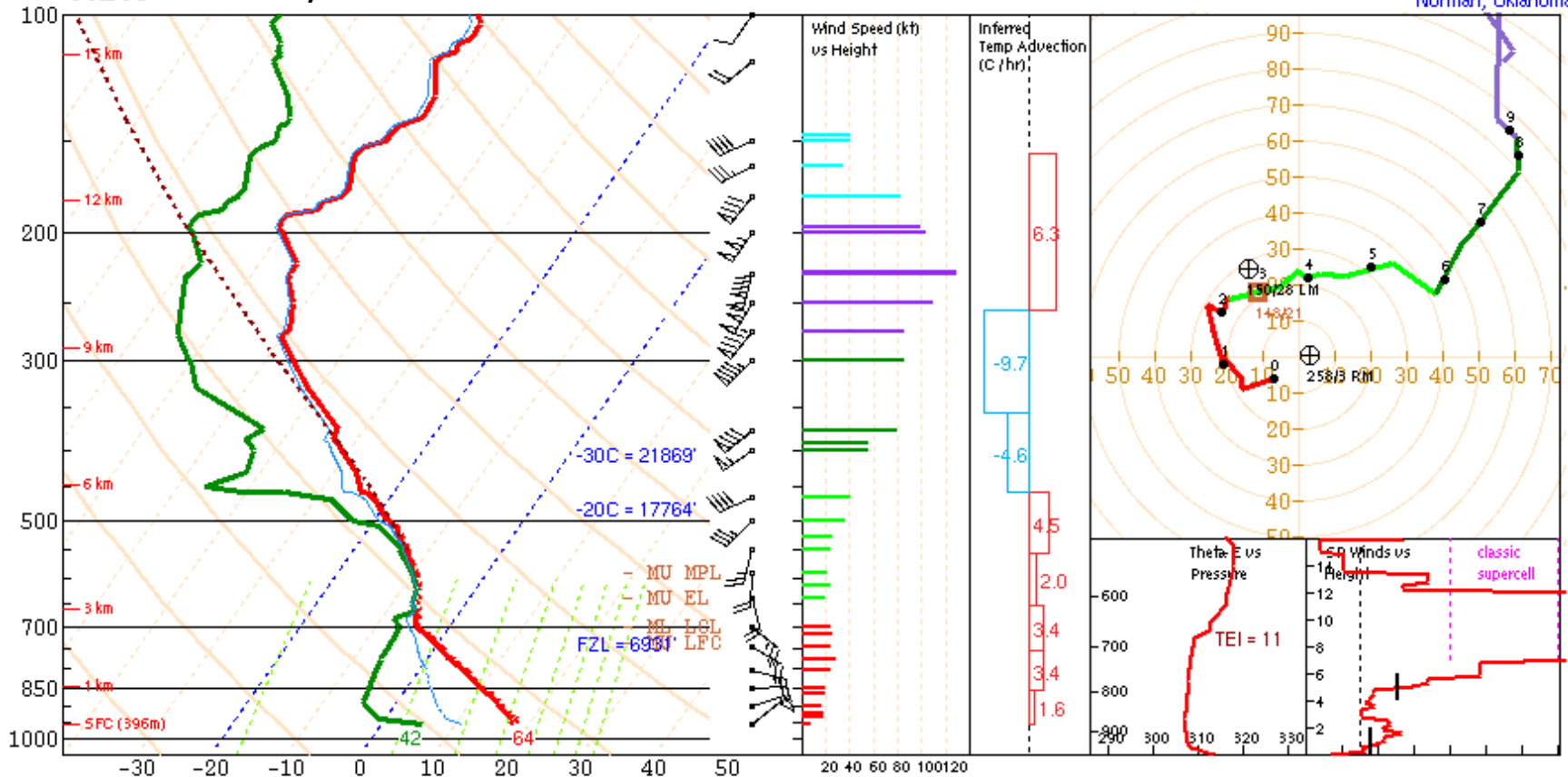
1km & 6km AGL Wind Barbs
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\*\*\* BEST GUESS PRECIP TYPE \*\*\*

**Rain.**  
Based on sfc temperature of 48.6 F.

**SARS - Sounding Analogs**

SUPERCCELL	SGFNT HAIL
No Quality Matches	No Quality Matches

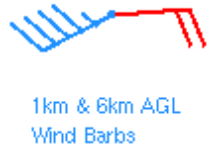


PARCEL	CAPE	CINH	LCL	LI	LFC	EL
SURFACE	30	-87	1509m	3	2150m	10699'
MIXED LAYER	0	0	2562m	6	M	8402'
FCST SURFACE	0	0	2862m	4	M	9387'
MU (956 mb)	30	-87	1509m	3	2150m	10699'

PW = 0.60 in	3CAPE = 0 J/kg	WBZ = 5414'	WWDG = 0.0
K = 21	DCAPE = 373 J/kg	FZL = 6931'	ESP = 0.0
MidRH = 74%	DownT = 48 F	ConvT = 75F	MMP = 0.92
LowRH = 31%	MeanW = 3.6 g/kg	MaxT = 71F	NCAPE = 0.00
SigSevere = 0 m3/s3			
Sfc-3km Agl Lapse Rate = 8.1 C/km			
3-6km Agl Lapse Rate = 6.6 C/km			
850-500mb Lapse Rate = 6.9 C/km			
700-500mb Lapse Rate = 5.5 C/km			

**Supercell = 0.0**  
**Left Supercell = 0.0**  
**Sig Tor (CIN) = 0.0**  
**Sig Tor (fixed) = 0.0**  
**Sig Hail = 0.0**

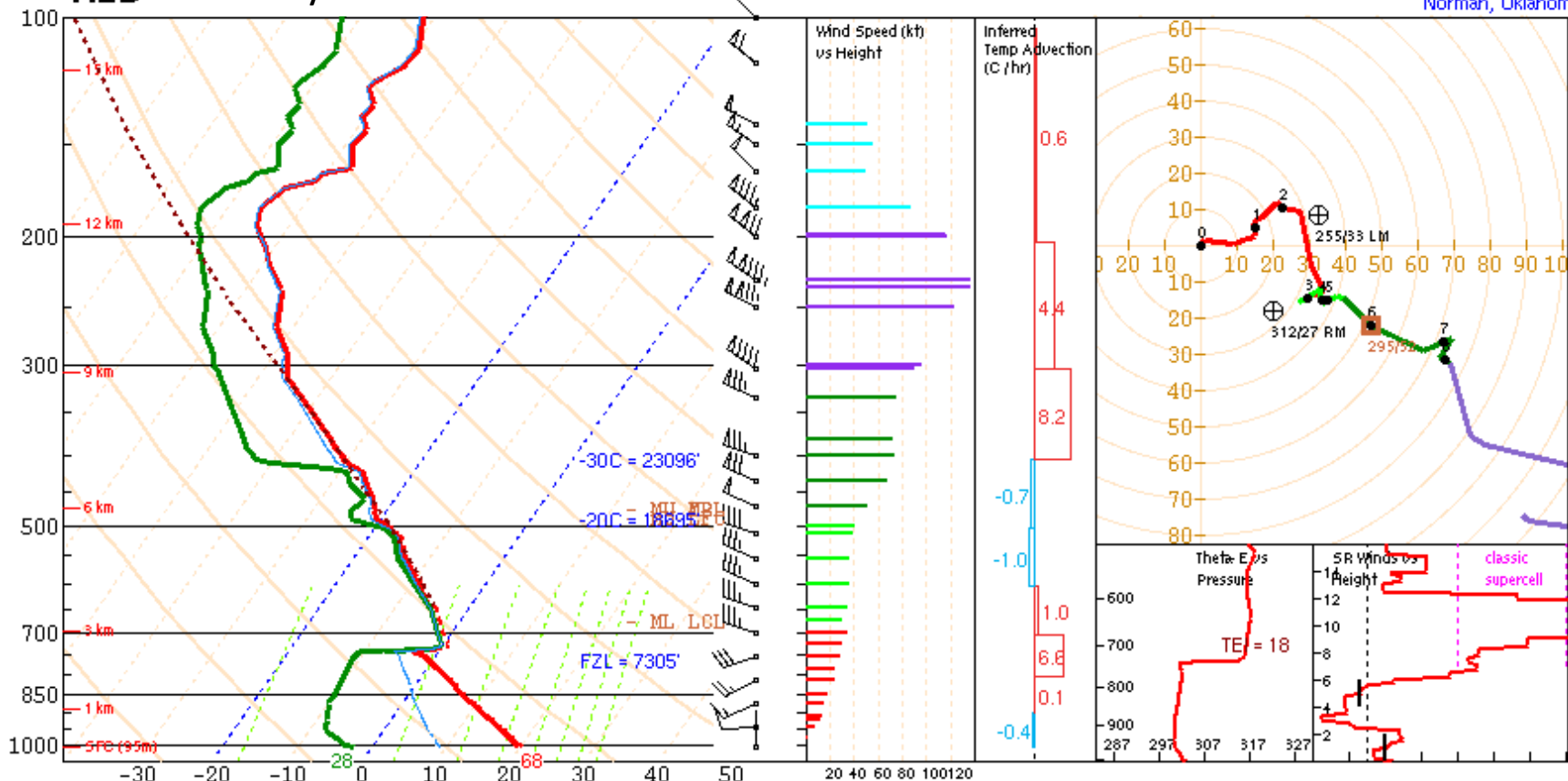
	SRH(m2/s2)	Shear(kt)	MnWind	SRW
SFC - 1 km	102	20	76/18	76/21
SFC - 3 km	262	25	106/19	103/22
SFC - 6 km		65	141/14	130/15
Cloud Bearing Layer		56	233/47	231/44
BRN Shear = 49 m <sup>2</sup> /s <sup>2</sup>				
4-6km SR Wind = 221/30 kt				
..... Storm Motion Vectors.....				
Bunkers Right =	258/3 kt			
Bunkers Left =	150/28 kt			
Corfidi Downshear =	222/74 kt			
Corfidi Upshear =	231/44 kt			



\*\*\* BEST GUESS PRECIP TYPE \*\*\*  
**Rain.**  
 Based on sfc temperature of 64.0 F.

SARS - Sounding Analogs	
SUPERCCELL	SGFNTHAIL
No Quality Matches	No Quality Matches

# ALB 00Z Day 2



PARCEL	CAPE	CINH	LCL	LI	LFC	EL
SURFACE	0	0	2718m	9	M	8913'
MIXED LAYER	0	0	3231m	10	M	10597'
FCST SURFACE	0	0	3506m	8	M	11499'
MU (643 mb)	18	-6	3635m	-0	5580m	20285'
PW = 0.62 in	3CAPE = 0 J/kg		WBZ = 5073'		WNDG = 0.0	
K = 16	DCAPE = 463 J/kg		FZL = 7305'		ESP = 0.0	
MidRH = 66%	DownT = 48 F		ConvT = 98F		MMP = 0.98	
LowRH = 21%	MeanW = 2.4 g/kg		MaxT = 73F		NCAPE = 0.00	
SigSevere = 0 m3/s3						
Sfc-3km Agl Lapse Rate = 7.2 C/km						
3-6km Agl Lapse Rate = 6.9 C/km						
850-500mb Lapse Rate = 6.2 C/km						
700-500mb Lapse Rate = 6.7 C/km						

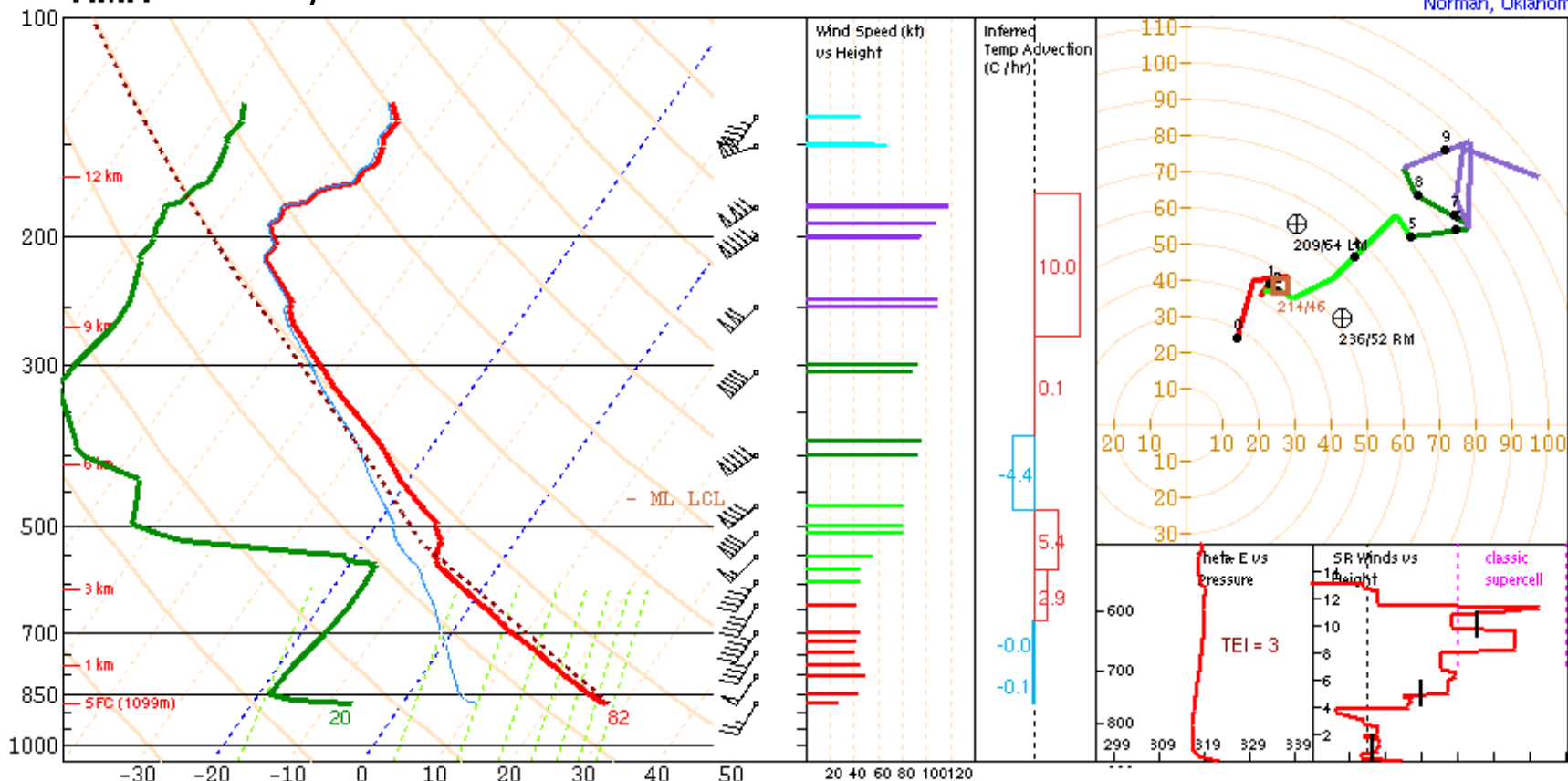
**Supercell = 0.0**  
**Left Supercell = 0.0**  
**Sig Tor (CIN) = 0.0**  
**Sig Tor (fixed) = 0.0**  
**Sig Hail = 0.0**

SRH(m2/s2)	Shear(kt)	MnWind	SRW
SFC - 1 km	90	16	256/9
SFC - 3 km	272	31	257/18
SFC - 6 km		52	277/24
Cloud Bearing Layer		31	294/41
BRN Shear = 46 m <sup>2</sup> /s <sup>2</sup>			265/18
4-6km SR Wind = 265/18 kt			
..... Storm Motion Vectors.....			
Bunkers Right = 312/27 kt			
Bunkers Left = 255/33 kt			
Corfidi Downshear = 297/84 kt			
Corfidi Upshear = 304/38 kt			



*** BEST GUESS PRECIP TYPE ***	
<b>Rain.</b>	
Based on sfc temperature of 68.0 F.	
SARS - Sounding Analogs	
SUPERCCELL	SGFNT HAIL
No Quality Matches	No Quality Matches

# AMA 00Z Day 2



PARCEL	CAPE	CINH	LCL	LI	LFC	EL
SURFACE	0	0	4130m	3	M	13544'
MIXED LAYER	0	0	5202m	6	M	17061'
FCST SURFACE	0	0	5409m	5	M	17740'
MU (875 mb)	0	0	4130m	3	M	13544'

PW = 0.20 in	3CAPE = 0 J/kg	WBZ = 5474'	WNDG = 0.0
K = -7	DCAPE = 887 J/kg	FZL = 9076'	ESP = 0.0
MidRH = 26%	DownT = 48 F	ConvT = 100F	MMP = 0.99
LowRH = 7%	MeanW = 1.3 g/kg	MaxT = 84F	NCAPE = 0.00
SigSevere = 0 m3/s3			
Sfc-3km Agl Lapse Rate = 10.0 C/km			
3-6km Agl Lapse Rate = 7.2 C/km			
850-500mb Lapse Rate = 8.5 C/km			
700-500mb Lapse Rate = 7.7 C/km			

<b>Supercell = 0.0</b>
<b>Left Supercell = 0.0</b>
<b>Sig Tor (CIN) = 0.0</b>
<b>Sig Tor (fixed) = 0.0</b>
<b>Sig Hail = 0.0</b>

SRH(m2/s2)	Shear(kt)	MnWind	SRW
SFC - 1 km	122	211/46	117/22
SFC - 3 km	117	212/44	112/21
SFC - 6 km	70	219/53	140/15

BRN Shear = 14 m<sup>2</sup>/s<sup>2</sup>  
4-6km SR Wind = 223/35 kt

..... Storm Motion Vectors .....

Bunkers Right = 236/52 kt  
Bunkers Left = 209/64 kt

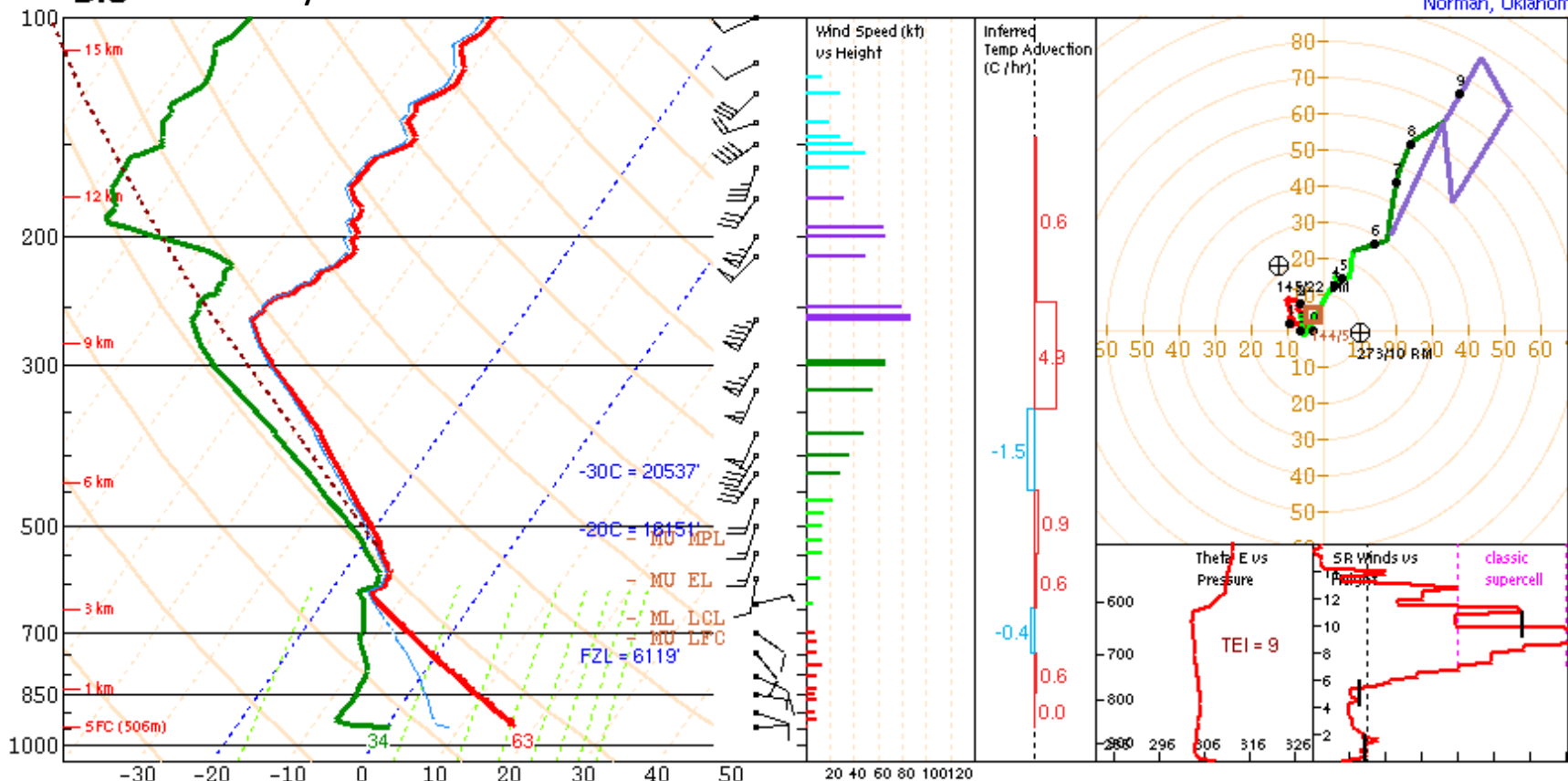
Corfidi Downshear = 228/86 kt  
Corfidi Upshear = 245/23 kt



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

**Rain.**  
Based on sfc temperature of 81.7 F.

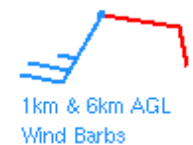
SARS - Sounding Analogs	
SUPERCCELL	SGFNT HAIL
No Quality Matches	No Quality Matches



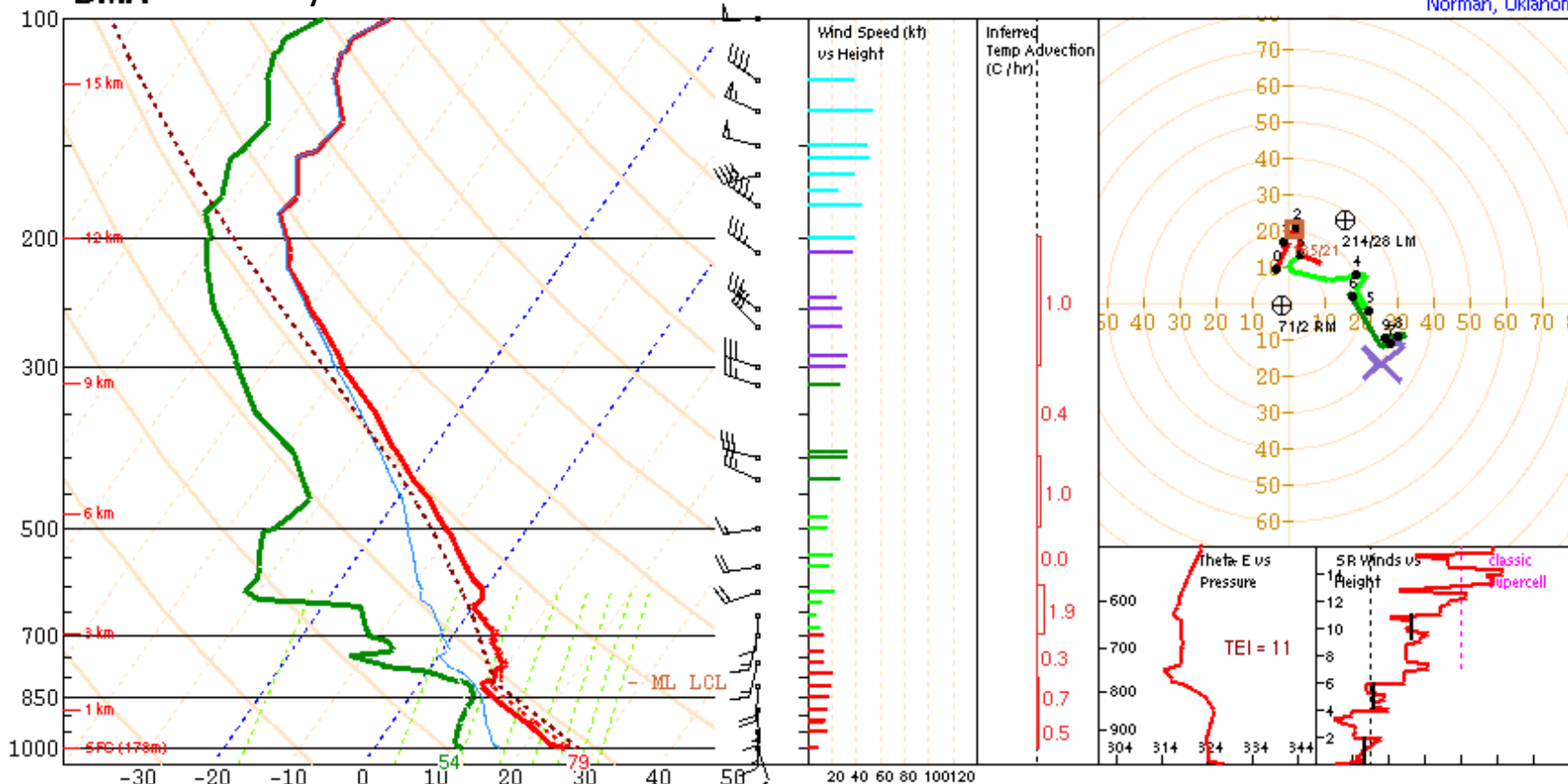
PARCEL	CAPE	CINH	LCL	LI	LFC	EL
SURFACE	74	-51	1982m	3	2293m	12162'
MIXED LAYER	4	-35	2816m	6	3152m	11542'
FCST SURFACE	28	0	3068m	4	3068m	11746'
MU (946 mb)	74	-51	1982m	3	2293m	12162'
PW = 0.44 in		3CAPE = 1 J/kg	WBZ = 4383'	WNDG = 0.0		
K = 17		DCAPE = 548 J/kg	FZL = 6119'	ESP = 0.0		
MidRH = 63%		DownT = 45 F	ConvT = 66F	MMP = 0.40		
LowRH = 27%		MeanW = 2.7 g/kg	MaxT = 68F	NCAPE = 0.01		
SigSevere = 61 m3/s3						
Sfc-3km Agl Lapse Rate = 9.4 C/km						
3-6km Agl Lapse Rate = 5.9 C/km						
850-500mb Lapse Rate = 7.3 C/km						
700-500mb Lapse Rate = 6.0 C/km						
<b>Supercell = 0.0</b> <b>Left Supercell = 0.0</b> <b>Sig Tor (CIN) = 0.0</b> <b>Sig Tor (fixed) = 0.0</b> <b>Sig Hail = 0.0</b>						

SRH(m2/s2)	Shear(kt)	MnWind	SRW
SFC - 1 km	5	7	105/9
SFC - 3 km	4	3	113/8
SFC - 6 km		32	158/8
BRN Shear = 7 m2/s2			
4-6km SR Wind = 171/18 kt			
..... Storm Motion Vectors.....			
Bunkers Right =		273/10 kt	
Bunkers Left =		145/22 kt	
Corfidi Downshear =		210/39 kt	
Corfidi Upshear =		223/21 kt	

*** BEST GUESS PRECIP TYPE ***	
<b>Rain.</b>	
Based on sfc temperature of 62.6 F.	
SARS - Sounding Analogs	
SUPERCCELL	SGFNT HAIL
No Quality Matches	No Quality Matches



# BMX 00Z Day 2



PARCEL	CAPE	CINH	LCL	LI	LFC	EL
SURFACE	0	0	1752m	2	M	5914'
MIXED LAYER	0	0	1754m	4	M	5752'
FCST SURFACE	0	0	2006m	3	M	6578'
MU (999 mb)	0	0	1752m	2	M	5914'

PW = 0.88 in	3CAPE = 0 J/kg	WBZ = 9173'	WNDG = 0.0
K = 14	DCAPE = 567 J/kg	FZL = 13562'	ESP = 0.0
MidRH = 42%	DownT = 58 F	ConvT = 92F	MMP = 0.10
LowRH = 58%	MeanW = 8.2 g/kg	MaxT = 81F	NCAPE = 0.00
SigSevere = 0 m3/s3			
Sfc-3km Agl Lapse Rate = 7.1 C/km			
3-6km Agl Lapse Rate = 6.4 C/km			
850-500mb Lapse Rate = 5.5 C/km			
700-500mb Lapse Rate = 6.3 C/km			

<b>Supercell = 0.0</b>	
<b>Left Supercell = 0.0</b>	
<b>Sig Tor (CIN) = 0.0</b>	
<b>Sig Tor (fixed) = 0.0</b>	
<b>Sig Hail = 0.0</b>	

SRH(m2/s2)	Shear(kt)	MnWind	SRW
SFC - 1 km	6	8	177/16
SFC - 3 km	29	4	185/16
SFC - 6 km		36	204/13
BRN Shear = 7 m2/s2			
4-6km SR Wind = 261/21 kt			
.....Storm Motion Vectors.....			
Bunkers Right = 71/2 kt			
Bunkers Left = 214/28 kt			
Corfidi Downshear = 288/34 kt			
Corfidi Upshear = 310/22 kt			

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

**None.**  
Based on sfc temperature of 78.8 F.

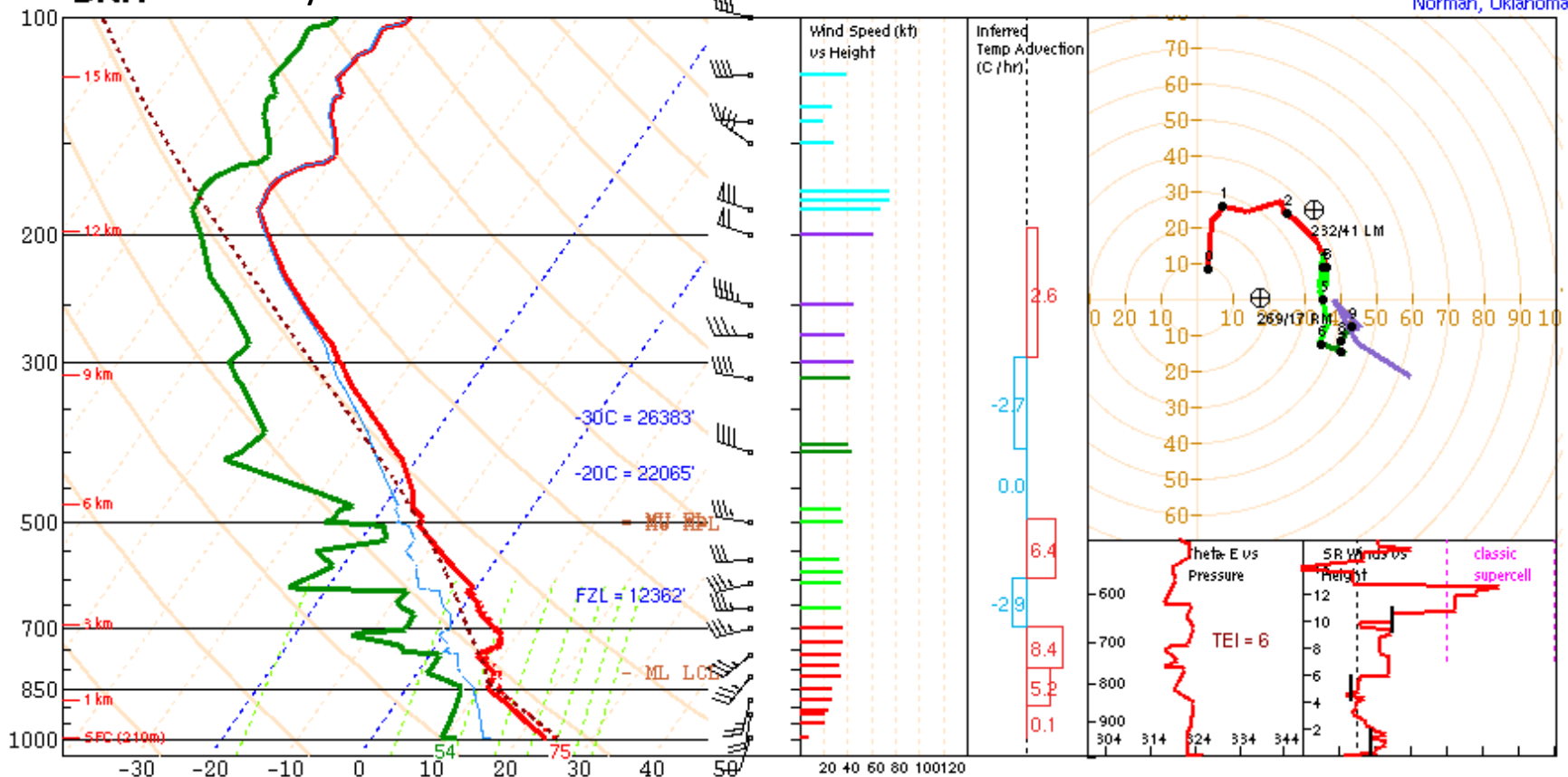
**SARS - Sounding Analogs**

SUPERCCELL	SGFNT HAIL
No Quality Matches	No Quality Matches





# BNA 00Z Day 2



PARCEL	CAPE	CINH	LCL	LI	LFC	EL
SURFACE	0	-327	1480m	0	M	18384'
MIXED LAYER	0	0	1716m	2	M	5628'
FCST SURFACE	0	-295	1988m	0	M	18384'
MU (996 mb)	0	-327	1480m	0	M	18384'

PW = 0.95 in	3CAPE = 0 J/kg	WBZ = 8802'	WWDG = 0.0
K = 21	DCAPE = 905 J/kg	FZL = 12362'	ESP = 0.0
MidRH = 47%	DownT = 59 F	ConvT = 95F	MMP = 0.52
LowRH = 59%	MeanW = 7.9 g/kg	MaxT = 80F	NCAPE = 0.00
SigSevere = 0 m3/s3			
Sfc-3km Agl Lapse Rate = 6.4 C/km			
3-6km Agl Lapse Rate = 7.5 C/km			
850-500mb Lapse Rate = 6.2 C/km			
700-500mb Lapse Rate = 7.7 C/km			

<b>Supercell = 0.0</b>
<b>Left Supercell = 0.0</b>
<b>Sig Tor (CIN) = 0.0</b>
<b>Sig Tor (fixed) = 0.0</b>
<b>Sig Hail = 0.0</b>

	SRH(m2/s2)	Shear(kt)	MnWind	SRW
SFC - 1 km	84	18	192/23	151/25
SFC - 3 km	344	33	218/27	178/21
SFC - 6 km		45	237/27	200/15
Cloud Bearing Layer		41	252/34	236/18
BRN Shear = 52 m2/s2				
4-6km SR Wind = 275/18 kt				
..... Storm Motion Vectors.....				
Bunkers Right = 269/17 kt				
Bunkers Left = 232/41 kt				
Corfidi Downshear = 286/64 kt				
Corfidi Upshear = 308/34 kt				

1km & 6km AGL  
Wind Barbs

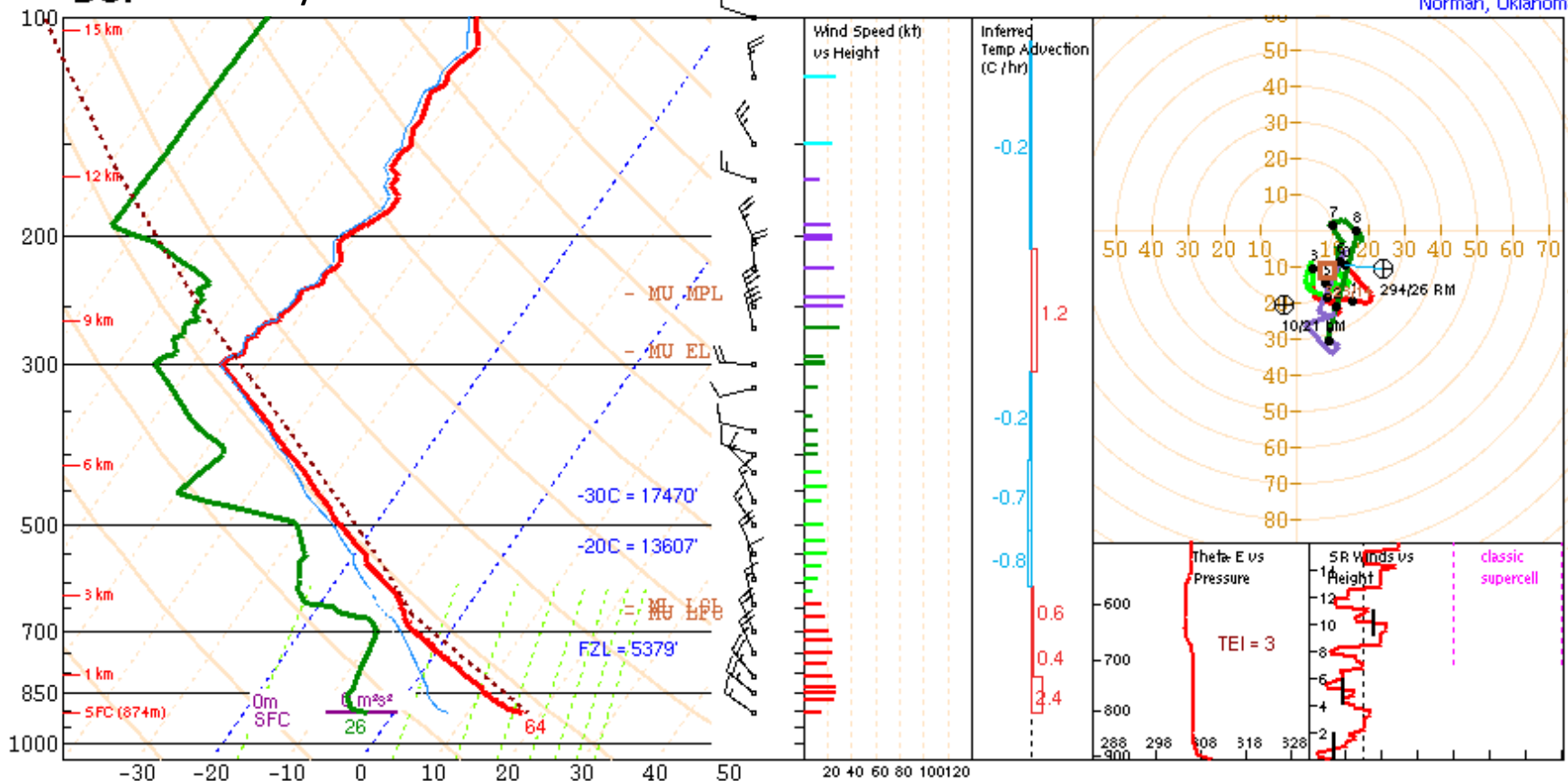
\*\*\* BEST GUESS PRECIP TYPE \*\*\*

**None.**  
Based on sfc temperature of 75.2 F.

**SARS - Sounding Analogs**

SUPERCCELL	SGFNT HAIL
No Quality Matches	No Quality Matches

# BOI 00Z Day 2



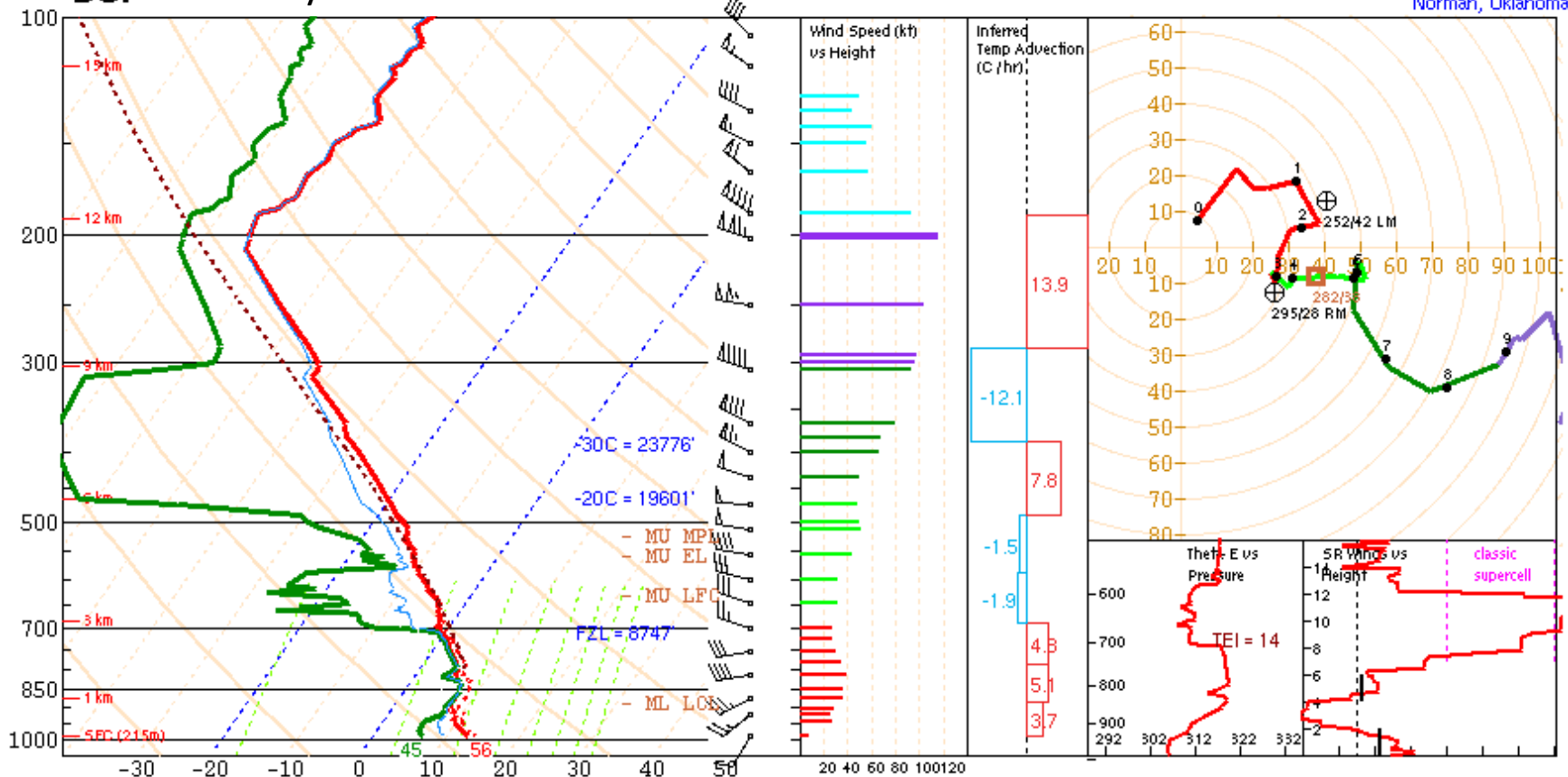
PARCEL	CAPE	CINH	LCL	LI	LFC	EL	SRH(m2/s2)	Shear(kt)	MnWind	SRW	*** BEST GUESS PRECIP TYPE ***	
SURFACE	421	0	2565m	-2	2565m	27531'	SFC - 1 km	3	9	314/25	39/9	<b>Rain.</b> Based on sfc temperature of 64.0 F.
MIXED LAYER	0	0	2736m	1	M	8974'	SFC - 3 km	71	9	325/22	57/13	
FCST SURFACE	189	-5	2955m	-1	3393m	27124'	Eff Inflow Layer	0	0	305/16	97/11	
MU (908 mb)	421	0	2565m	-2	2565m	27531'	SFC - 6 km		5	326/19	67/14	<b>SARS - Sounding Analogs</b>
PW = 0.32 in	3CAPE = 4 J/kg		WBZ = 3498'		WNDG = 0.0		Lower Half Storm Depth		6	328/20	63/14	
K = 23	DCAPE = 599 J/kg		FZL = 5379'		ESP = 0.0		Cloud Bearing Layer		15	323/14	89/16	SGFNT HAIL
MidRH = 48%	DownT = 42 F		ConvT = 66F		MMP = 0.33		BRN Shear = 11 m2/s2					
LowRH = 29%	MeanW = 2.7 g/kg		MaxT = 65F		NCAPE = 0.00		4-6km SR Wind = 77/14 kt					No Quality Matches
SigSevere = 0 m3/s3							..... Storm Motion Vectors.....					
Sfc-3km Agl Lapse Rate = 9.5 C/km							Bunkers Right = 294/26 kt					SARS: 0% SIG
3-6km Agl Lapse Rate = 8.5 C/km							Bunkers Left = 10/21 kt					
850-500mb Lapse Rate = 8.6 C/km							Corfidi Downshear = 329/8 kt					
700-500mb Lapse Rate = 7.9 C/km							Corfidi Upshear = 134/8 kt					

**Supercell = 0.0**  
**Left Supercell = 0.0**  
**Sig Tor (CIN) = 0.0**  
**Sig Tor (fixed) = 0.0**  
**Sig Hail = 0.0**

1km & 6km AGL  
Wind Barbs



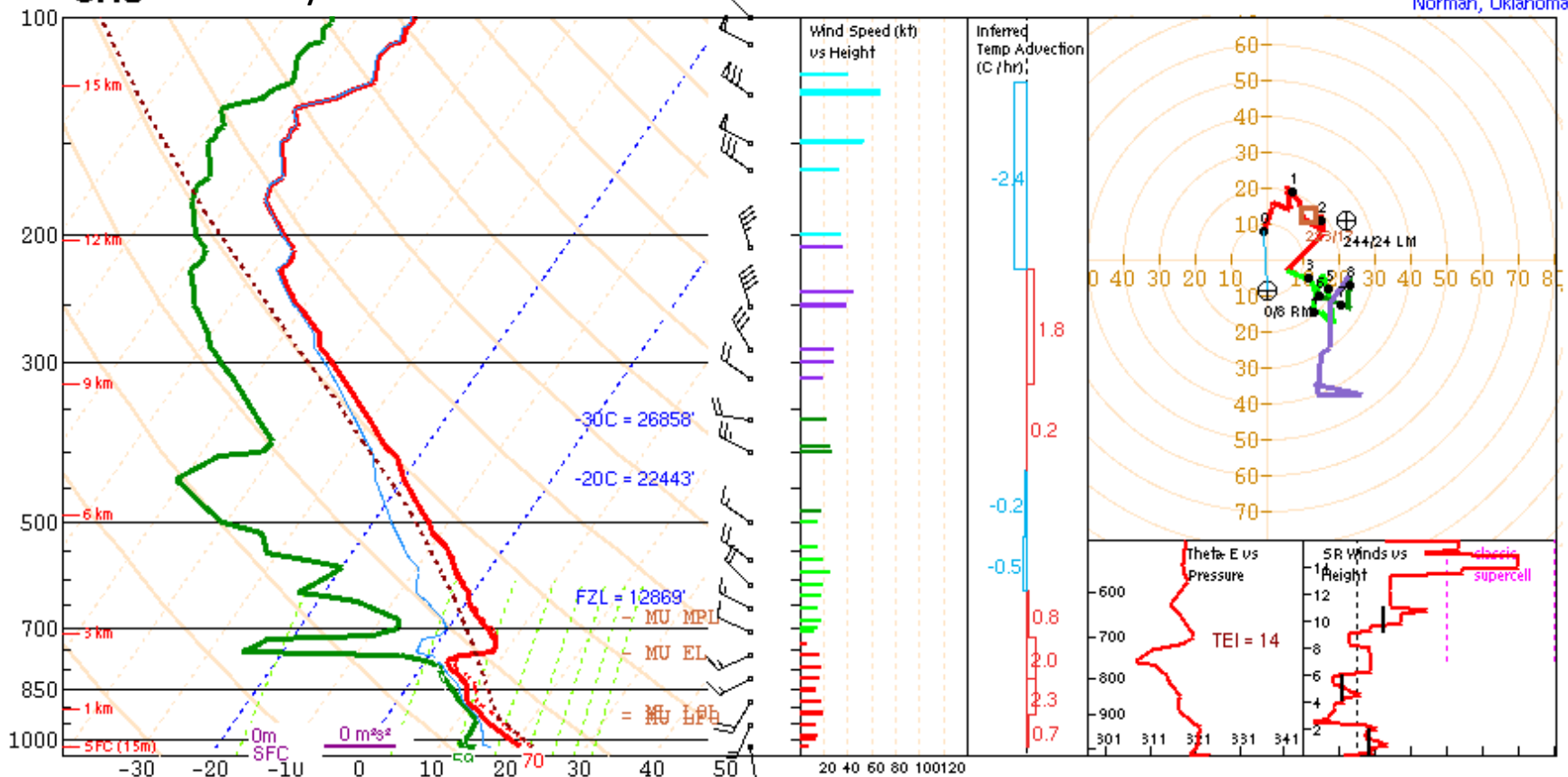
# BUF 00Z Day 2



PARCEL	CAPE	CINH	LCL	LI	LFC	EL	SRH(m2/s2)	Shear(kt)	MnWind	SRW	*** BEST GUESS PRECIP TYPE ***					
SURFACE	0	0	764m	9	M	2505'	SFC - 1 km	257	30	228/28	171/31	<b>Rain.</b> Based on sfc temperature of 55.8 F.				
MIXED LAYER	0	0	841m	8	M	2759'	SFC - 3 km	293	32	251/28	183/21					
FCST SURFACE	0	0	1354m	5	M	4441'	SFC - 6 km		50	265/31	199/16	<b>SARS - Sounding Analogs</b>				
MU (797 mb)	27	-2	1811m	2	3645m	15123'	Cloud Bearing Layer		16	279/32	223/9		<table border="1"> <tr> <th>SUPERCCELL</th> <th>SGFNTHAIL</th> </tr> <tr> <td>No Quality Matches</td> <td>No Quality Matches</td> </tr> </table>	SUPERCCELL	SGFNTHAIL	No Quality Matches
SUPERCCELL	SGFNTHAIL															
No Quality Matches	No Quality Matches															
PW = 0.89 in    3CAPE = 0 J/kg    WBZ = 8660'    WNDG = 0.0 K = 23    DCAPE = 278 J/kg    FZL = 8747'    ESP = 0.0 MidRH = 58%    DownT = 53 F    ConvT = 76F    MMP = 0.92 LowRH = 87%    MeanW = 6.7 g/kg    MaxT = 65F    NCAPE = 0.00 SigSevere = 0 m3/s3							..... Storm Motion Vectors ..... Bunkers Right = 295/28 kt Bunkers Left = 252/42 kt Corfidi Downshear = 300/78 kt Corfidi Upshear = 323/34 kt		<p>1km &amp; 6km AGL Wind Barbs</p>							
Sfc-3km Agl Lapse Rate = 5.1 C/km 3-6km Agl Lapse Rate = 6.4 C/km 850-500mb Lapse Rate = 5.9 C/km 700-500mb Lapse Rate = 5.6 C/km							<b>Supercell = 0.0</b> <b>Left Supercell = 0.0</b> <b>Sig Tor (CIN) = 0.0</b> <b>Sig Tor (fixed) = 0.0</b> <b>Sig Hail = 0.0</b>									

# CHS 00Z Day 2

NOAA/NWS Storm Prediction Center  
Norman, Oklahoma



PARCEL	CAPE	CINH	LCL	LI	LFC	EL
SURFACE	115	0	758m	2	758m	8092'
MIXED LAYER	54	-1	943m	4	989m	8123'
FCST SURFACE	94	0	1218m	2	1218m	8092'
MU (1023 mb)	115	0	758m	2	758m	8092'

PW = 0.99 in	3CAPE = 54 J/kg	WBZ = 7973'	WNDG = 0.0
K = 16	DCAPE = 282 J/kg	FZL = 12869'	ESP = 0.0
MidRH = 44%	DownT = 57 F	ConvT = 70F	MMP = 0.16
LowRH = 81%	MeanW = 9.6 g/kg	MaxT = 74F	NCAPE = 0.04
SigSevere = 682 m3/s3			
Sfc-3km Agl Lapse Rate = 5.4 C/km			
3-6km Agl Lapse Rate = 6.9 C/km			
850-500mb Lapse Rate = 5.2 C/km			
700-500mb Lapse Rate = 6.9 C/km			

<b>Supercell = 0.0</b>
<b>Left Supercell = 0.0</b>
<b>Sig Tor (CIN) = 0.0</b>
<b>Sig Tor (fixed) = 0.0</b>
<b>Sig Hail = 0.0</b>

SRH(m2/s2)	Shear(kt)	MnWind	SRW
SFC - 1 km	65	13	195/16
SFC - 3 km	135	19	219/13
Eff Inflow Layer	0	0	170/8
SFC - 6 km		24	251/11
Lower Half Storm Depth		12	199/16
Cloud Bearing Layer		22	223/17
BRN Shear = 22 m2/s2			
4-6km SR Wind = 281/16 kt			

..... Storm Motion Vectors.....

Bunkers Right = 0/8 kt  
Bunkers Left = 244/24 kt

Corfidi Downshear = 319/40 kt  
Corfidi Upshear = 335/25 kt

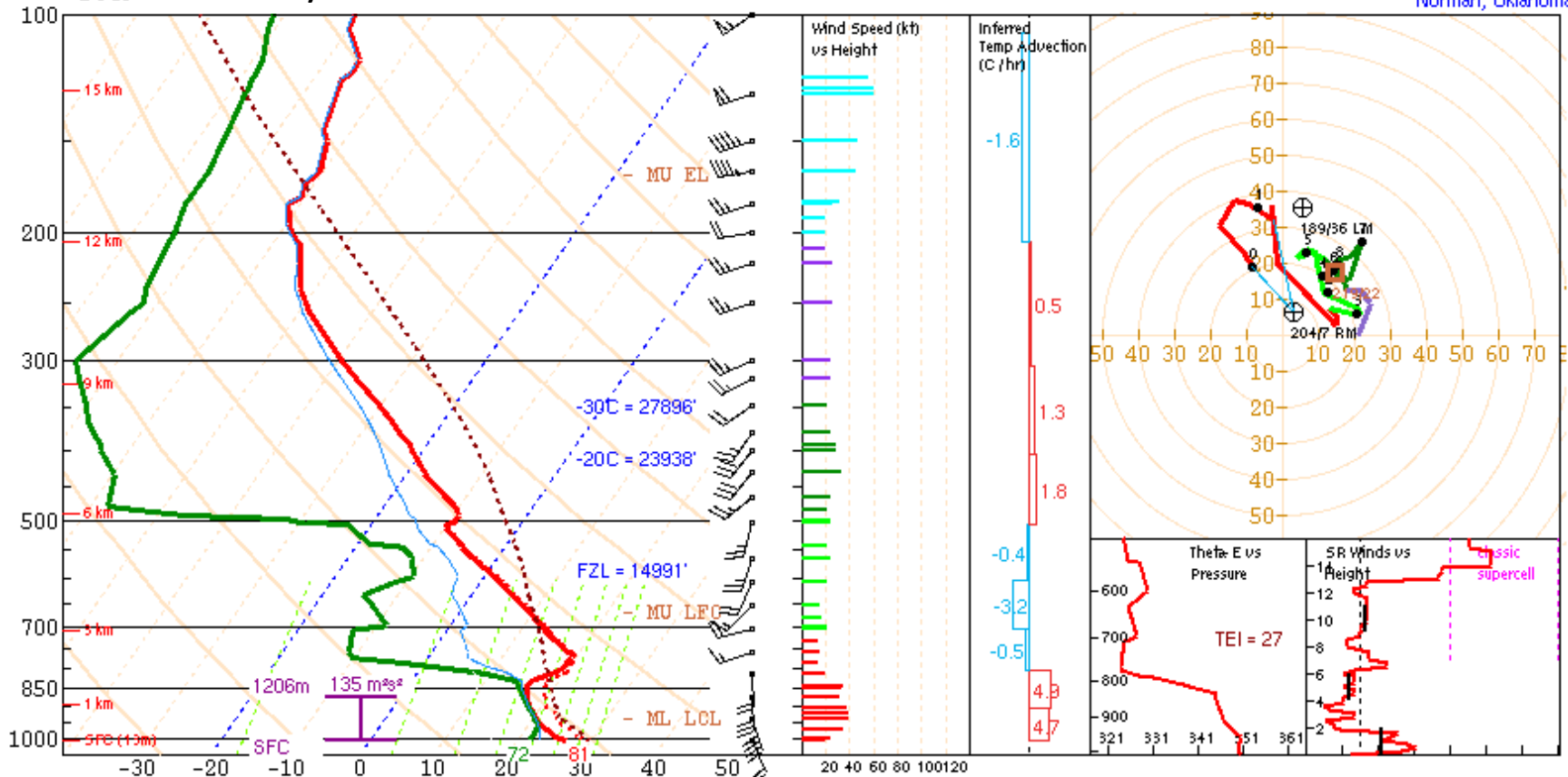
1km & 6km AGL  
Wind Barbs

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

**Rain.**  
Based on sfc temperature of 70.2 F.

SARS - Sounding Analogs	
SUPERCCELL	SGFNT HAIL
No Quality Matches	No Quality Matches
(2 loose matches) SARS: 0% TOR	(1 loose matches) SARS: 0% SIG

# CRP 00Z Day 2



PARCEL	CAPE	CINH	LCL	LI	LFC	EL
SURFACE	2997	-135	639m	-7	3462m	43721'
MIXED LAYER	2740	-159	623m	-6	3645m	42883'
FCST SURFACE	3479	-93	995m	-8	3272m	43721'
MU (1006 mb)	2997	-135	639m	-7	3462m	43721'

PW = 1.50 in	3CAPE = 19 J/kg	WBZ = 11687'	WNDG = 0.0
K = 19	DCAPE = 818 J/kg	FZL = 14991'	ESP = 0.0
MidRH = 30%	DownT = 62 F	ConvT = 102F	MMP = 0.76
LowRH = 92%	MeanW = 16.5 g/kg	MaxT = 85F	NCAPE = 0.29
SigSevere = 32621 m3/s3			
Sfc-3km Agl Lapse Rate = 5.3 C/km			
3-6km Agl Lapse Rate = 7.8 C/km			
850-500mb Lapse Rate = 6.4 C/km			
700-500mb Lapse Rate = 8.2 C/km			

<b>Supercell = 6.4</b>
<b>Left Supercell = 4.6</b>
<b>Sig Tor (CIN) = 0.4</b>
<b>Sig Tor (fixed) = 0.0</b>
<b>Sig Hail = 1.0</b>

	SRH(m2/s2)	Shear(kt)	MnWind	SRW
SFC - 1 km	135	14	159/36	151/31
SFC - 3 km	155	33	179/22	169/16
Eff Inflow Layer	135	14	161/36	152/31
SFC - 6 km		23	187/22	179/15
Lower Half Storm Depth		32	188/21	181/14
Cloud Bearing Layer		65	205/21	205/15
BRN Shear = 54 m²/s²				
4-6km SR Wind = 198/17 kt				

..... Storm Motion Vectors.....

Bunkers Right = 204/7 kt  
Bunkers Left = 189/36 kt

Corfidi Downshear = 271/36 kt  
Corfidi Upshear = 306/28 kt

1km & 6km AGL  
Wind Barbs

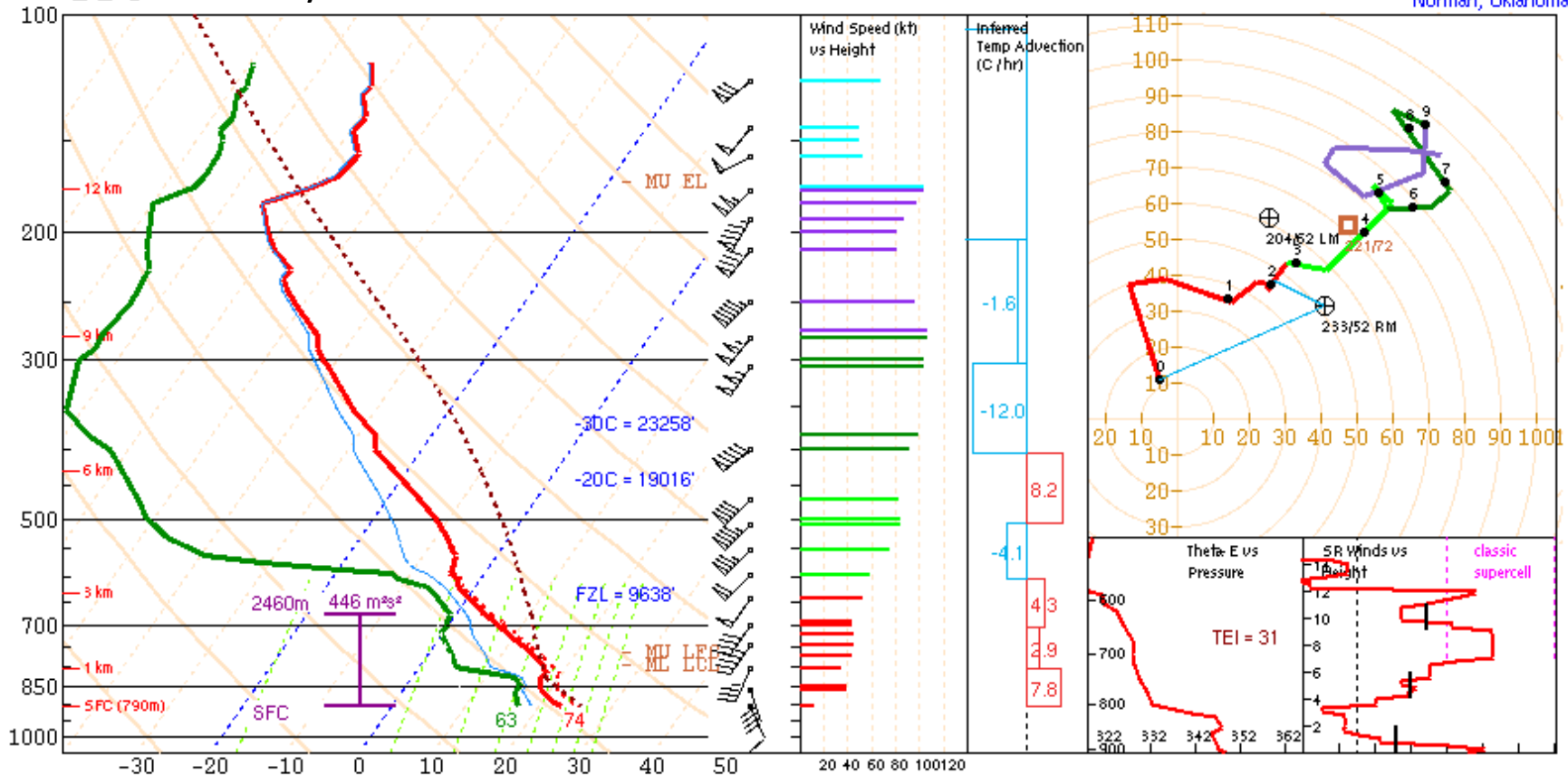
\*\*\* BEST GUESS PRECIP TYPE \*\*\*

**Rain.**  
Based on sfc temperature of 80.6 F.

**SARS - Sounding Analogs**

SUPERCCELL	SGFNT HAIL
No Quality Matches	No Quality Matches
(1 loose matches) SARS: 100% TOR	(21 loose matches) SARS: 19% SIG

# DDC 00Z Day 2



PARCEL	CAPE	CINH	LCL	LI	LFC	EL
SURFACE	3985	-34	768m	-9	1453m	39749'
MIXED LAYER	3182	-51	1111m	-7	1705m	39157'
FCST SURFACE	4398	0	1745m	-10	1745m	39389'
MU (905 mb)	3985	-34	768m	-9	1453m	39749'
PW = 0.97 in	3CAPE = 184 J/kg	WBZ = 8785'	WNDG = 0.0			
K = 39	DCAPE = 1279 J/kg	FZL = 9638'	ESP = 5.8			
MidRH = 41%	DownT = 50 F	ConvT = 80F	MMP = 1.00			
LowRH = 64%	MeanW = 12.3 g/kg	MaxT = 85F	NCAPE = 0.31			
SigSevere = 146861 m3/s3						
Sfc-3km Agl Lapse Rate = 8.6 C/km						
3-6km Agl Lapse Rate = 7.3 C/km						
850-500mb Lapse Rate = 7.5 C/km						
700-500mb Lapse Rate = 7.3 C/km						

**Supercell = 35.6**  
**Left Supercell = 6.4**  
**Sig Tor (CIN) = 8.4**  
**Sig Tor (fixed) = 9.9**  
**Sig Hail = 3.2**

	SRH(m2/s2)	Shear(kt)	MnWind	SRW
SFC - 1 km	372	30	180/34	94/41
SFC - 3 km	477	56	203/40	101/26
Eff Inflow Layer	446	48	201/38	98/28
SFC - 6 km		90	215/51	129/16
Lower Half Storm Depth		90	215/52	133/15
Cloud Bearing Layer		31	221/66	185/19
BRN Shear = 222 m/s²				
4-6km SR Wind = 217/35 kt				
..... Storm Motion Vectors.....				
Bunkers Right =	233/52 kt			
Bunkers Left =	204/62 kt			
Corfidi Downshear =	228/111 kt			
Corfidi Upshear =	242/43 kt			



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

**Rain.**  
Based on sfc temperature of 74.1 F.

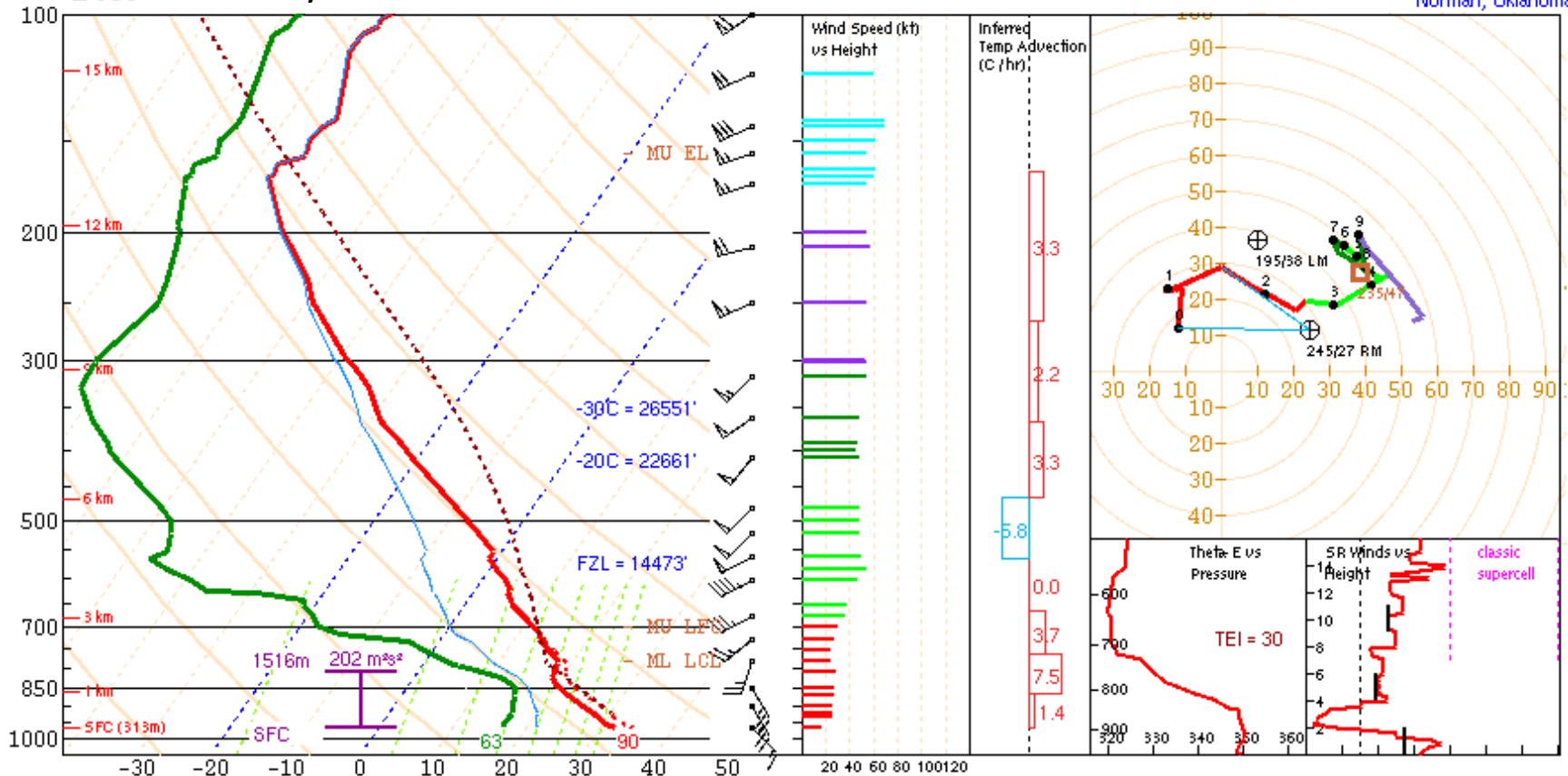
**SARS - Sounding Analogs**

SUPERCCELL	SGFNT HAIL
No Quality Matches	No Quality Matches
SARS: 0% TOR	(1 loose matches) SARS: 100% SIG

# DRT 00Z Day 2

- MU MPL

NOAA/NWS Storm Prediction Center  
Norman, Oklahoma



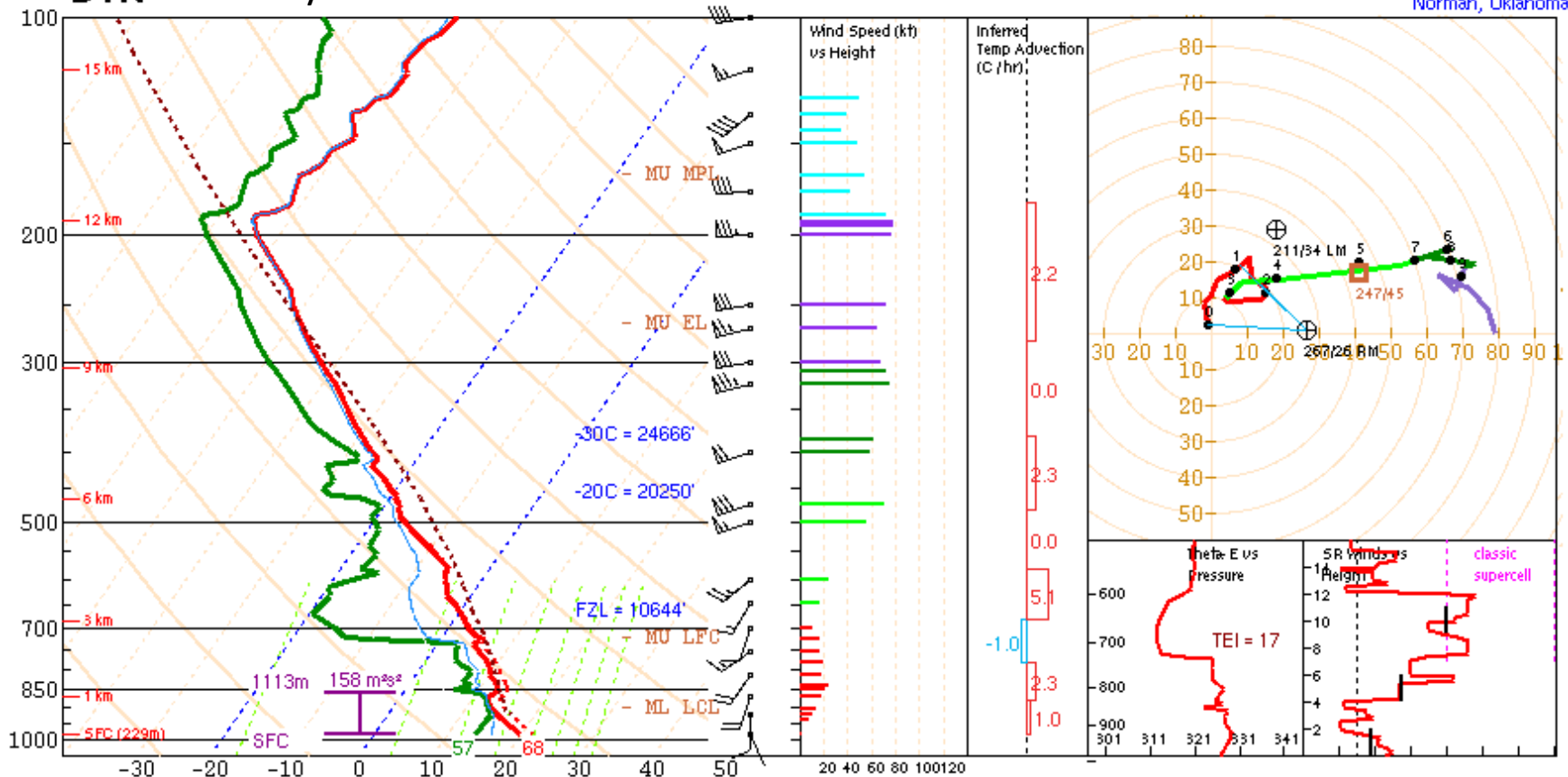
PARCEL	CAPE	CINH	LCL	LI	LFC	EL	SRH(m2/s2)	Shear(kt)	MnWind	SRW	*** BEST GUESS PRECIP TYPE ***	
SURFACE	2805	-60	1897m	-5	2807m	43907'	SFC - 1 km	103	11	150/26	106/39	<b>None.</b> Based on sfc temperature of 90.0 F.
MIXED LAYER	2805	-68	1815m	-5	2807m	43907'	SFC - 3 km	243	45	182/22	114/26	
FCST SURFACE	3323	-19	2073m	-6	2488m	43651'	Eff Inflow Layer	202	21	157/26	110/37	
MU (925 mb)	2928	-63	1774m	-5	2747m	43907'	SFC - 6 km		50	209/27	137/16	<b>SARS - Sounding Analogs</b>
PW = 1.03 in	3CAPE = 4 J/kg		WBZ = 9226'		WNDG = 0.0		Lower Half Storm Depth		50	211/28	142/16	
K = 14	DCAPE = 1598 J/kg		FZL = 14473'		ESP = 0.1		Cloud Bearing Layer		43	232/42	212/17	<b>SGFNT HAIL</b>
MidRH = 17%	DownT = 56 F		ConvT = 95F		MMP = 0.97		BRN Shear = 80 m/s²					03091100.DDC 1.75
LowRH = 55%	MeanW = 13.0 g/kg		MaxT = 93F		NCAPE = 0.27		4-6km SR Wind = 214/24 kt					No Quality matches
SigSevere = 71473 m3/s3							..... Storm Motion Vectors.....					(3 loose matches) SARS: 0% TOR
Sfc-3km Agl Lapse Rate = 8.2 C/km							Bunkers Right = 245/27 kt					(39 loose matches) SARS: 87% SIG
3-6km Agl Lapse Rate = 7.3 C/km							Bunkers Left = 195/38 kt					
850-500mb Lapse Rate = 7.0 C/km							Corfidi Downshear = 244/75 kt					
700-500mb Lapse Rate = 7.0 C/km							Corfidi Upshear = 263/39 kt					

**Supercell = 11.8**  
**Left Supercell = 3.3**  
**Sig Tor (CIN) = 0.5**  
**Sig Tor (fixed) = 0.2**  
**Sig Hail = 1.2**





# DVN 00Z Day 2



PARCEL	CAPE	CINH	LCL	LI	LFC	EL
SURFACE	199	-97	766m	-2	4649m	28239'
MIXED LAYER	443	-42	720m	-3	2641m	31509'
FCST SURFACE	1052	-1	1092m	-5	1502m	34835'
MU (924 mb)	574	-28	632m	-3	2573m	32641'

PW = 1.09 in	3CAPE = 10 J/kg	WBZ = 8189'	WWDG = 0.0
K = 17	DCAPE = 752 J/kg	FZL = 10644'	ESP = 0.0
MidRH = 46%	DownT = 53 F	ConvT = 74F	MMP = 0.86
LowRH = 84%	MeanW = 10.8 g/kg	MaxT = 74F	NCAPE = 0.06
SigSevere = 13519 m3/s3			

Sfc-3km Agl Lapse Rate = 6.6 C/km	<b>Supercell = 1.8</b> <b>Left Supercell = 0.5</b> <b>Sig Tor (CIN) = 0.4</b> <b>Sig Tor (fixed) = 0.2</b> <b>Sig Hail = 0.2</b>
3-6km Agl Lapse Rate = 7.0 C/km	
850-500mb Lapse Rate = 6.9 C/km	
700-500mb Lapse Rate = 7.0 C/km	

	SRH(m2/s2)	Shear(kt)	MnWind	SRW
SFC - 1 km	158	20	187/13	115/27
SFC - 3 km	159	15	209/15	121/23
Eff Inflow Layer	158	20	189/13	116/27
SFC - 6 km		59	231/23	147/16
Lower Half Storm Depth		56	226/20	137/17
Cloud Bearing Layer		71	240/33	188/15
BRN Shear = 55 m2/s2				
4-6km SR Wind = 235/32 kt				

..... Storm Motion Vectors.....

Bunkers Right =	267/26 kt
Bunkers Left =	211/34 kt
Corfidi Downshear =	255/75 kt
Corfidi Upshear =	266/34 kt

1km & 6km AGL Wind Barbs

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

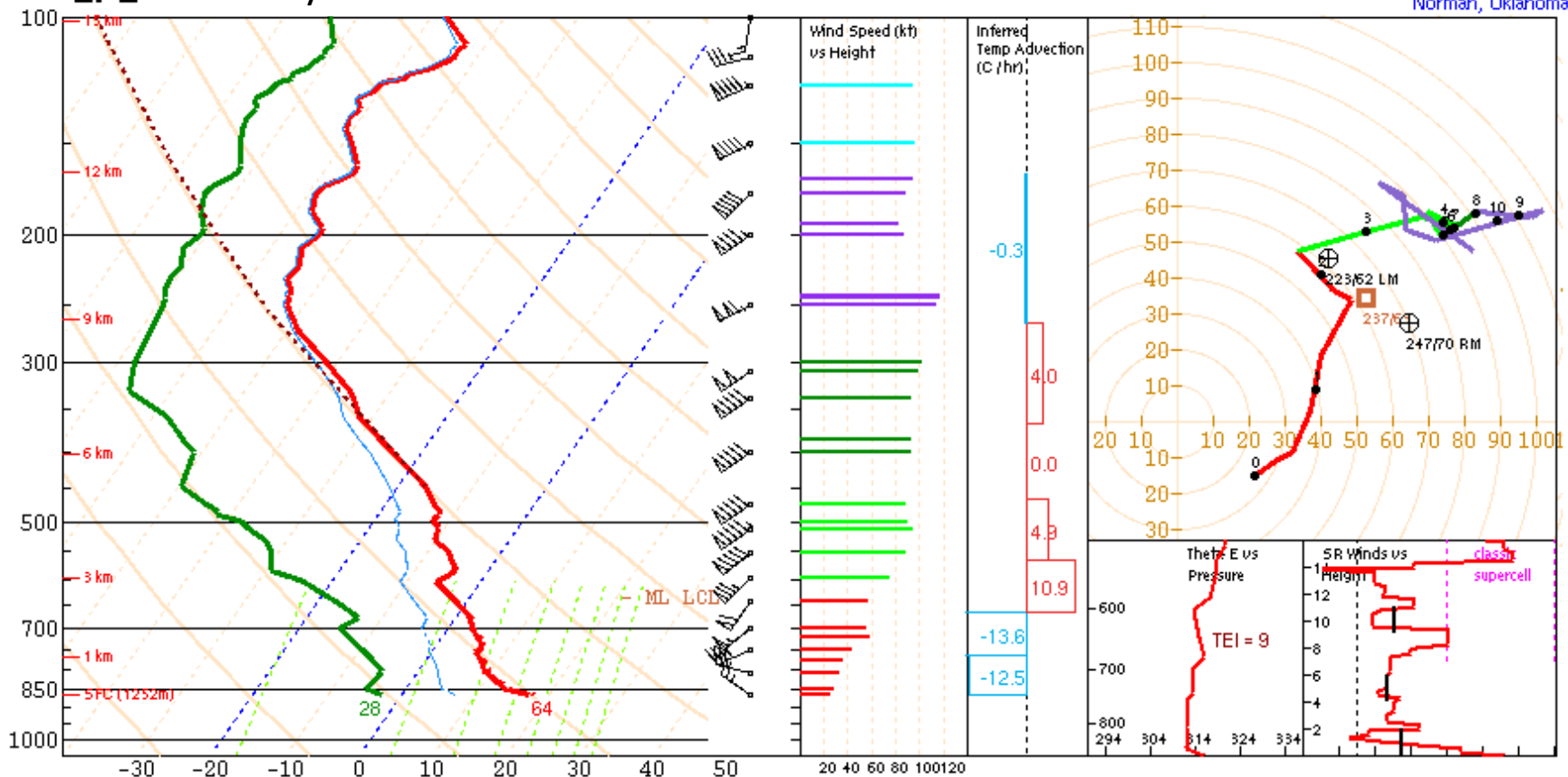
**Rain.**  
Based on sfc temperature of 68.0 F.

**SARS - Sounding Analogs**

SUPERCCELL	SGFNT HAIL
No Quality Matches	No Quality Matches
(14 loose matches) SARS: 71% TOR	(4 loose matches) SARS: 0% SIG



# EPZ 00Z Day 2



PARCEL	CAPE	CIN	LCL	LI	LFC	EL
SURFACE	0	0	2470m	8	M	8101'
MIXED LAYER	0	0	2505m	10	M	8217'
FCST SURFACE	0	0	2867m	8	M	9404'
MU (447 mb)	0	0	9127m	3	M	29936'
PW = 0.28 in	3CAPE = 0 J/kg		WBZ = 3688'			WNDG = 0.0
K = 3	DCAPE = 408 J/kg		FZL = 7413'			ESP = 0.0
MidRH = 19%	DownT = 44 F		ConvT = 89F			MMP = 1.00
LowRH = 30%	MeanW = 3.2 g/kg		MaxT = 66F			NCAPE = 0.00
SigSevere = 0 m3/s3						
Sfc-3km Agl Lapse Rate = 7.8 C/km						
3-6km Agl Lapse Rate = 6.0 C/km						
850-500mb Lapse Rate = 6.2 C/km						
700-500mb Lapse Rate = 5.8 C/km						

**Supercell = 0.0**  
**Left Supercell = 0.0**  
**Sig Tor (CIN) = 0.0**  
**Sig Tor (fixed) = 0.0**  
**Sig Hail = 0.0**

SRH(m2/s2)	Shear(kt)	MnWind	SRW
SFC - 1 km	105	38	275/33
SFC - 3 km	377	75	240/44
SFC - 6 km		88	237/59
BRN Shear = 279 m/s²			
4-6km SR Wind = 202/28 kt			
..... Storm Motion Vectors.....			
Bunkers Right = 247/70 kt			
Bunkers Left = 223/62 kt			
Corfidi Downshear = 227/114 kt			
Corfidi Upshear = 213/43 kt			



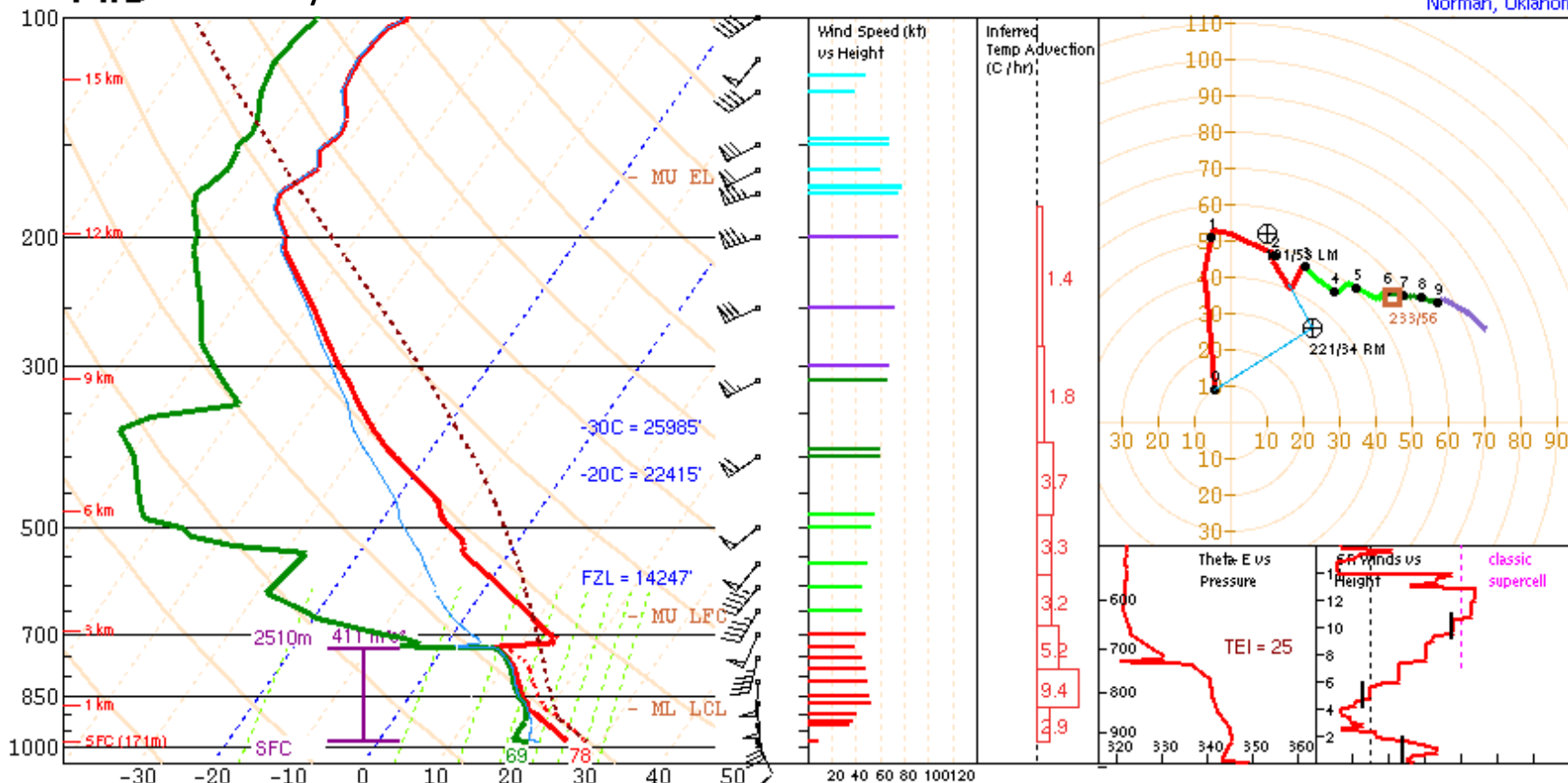
1km & 6km AGL  
Wind Barbs

*** BEST GUESS PRECIP TYPE ***	
<b>Rain.</b>	
Based on sfc temperature of 63.7 F.	
SARS - Sounding Analogs	
SUPERCCELL	SGFNT HAIL
No Quality Matches	No Quality Matches

# FWD 00Z Day 2

- MU MPL

NOAA/NWS Storm Prediction Center  
Norman, Oklahoma



PARCEL	CAPE	CINH	LCL	LI	LFC	EL
SURFACE	3177	-36	668m	-7	3372m	43022'
MIXED LAYER	2354	-72	905m	-6	3678m	42504'
FCST SURFACE	2966	-44	1203m	-7	3487m	43022'
MU (982 mb)	3177	-36	668m	-7	3372m	43022'
PW = 1.38 .in    3CAPE = 67 J/kg    WBZ = 10436'    WNDG = 0.0 K = 18    DCAPE = 1249 J/kg    FZL = 14247'    ESP = 0.0 MidRH = 45%    DownT = 58 F    ConvT = 96F    MMP = 1.00 LowRH = 86%    MeanW = 14.2 g/kg    MaxT = 83F    NCAPE = 0.25 SigSevere = 71605 m3/s3						
Sfc-3km Agl Lapse Rate = 5.2 C/km 3-6km Agl Lapse Rate = 8.6 C/km 850-500mb Lapse Rate = 6.4 C/km 700-500mb Lapse Rate = 8.8 C/km						
<b>Supercell = 26.1</b> <b>Left Supercell = 11.0</b> <b>Sig Tor (CIN) = 5.4</b> <b>Sig Tor (fixed) = 7.1</b> <b>Sig Hail = 3.0</b>						

	SRH(m2/s2)	Shear(kt)	MnWind	SRW
SFC - 1 km	338	44	171/39	115/31
SFC - 3 km	442	41	185/42	130/25
Eff Inflow Layer	411	34	182/42	128/27
SFC - 6 km		59	198/41	144/16
Lower Half Storm Depth		59	201/42	151/15
Cloud Bearing Layer		61	214/48	196/14
BRN Shear = 52 m2/s2				
4-6km SR Wind = 235/18 kt				
..... Storm Motion Vectors.....				
Bunkers Right =			221/34 kt	
Bunkers Left =			191/53 kt	
Corfidi Downshear =			244/79 kt	
Corfidi Upshear =			277/37 kt	

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

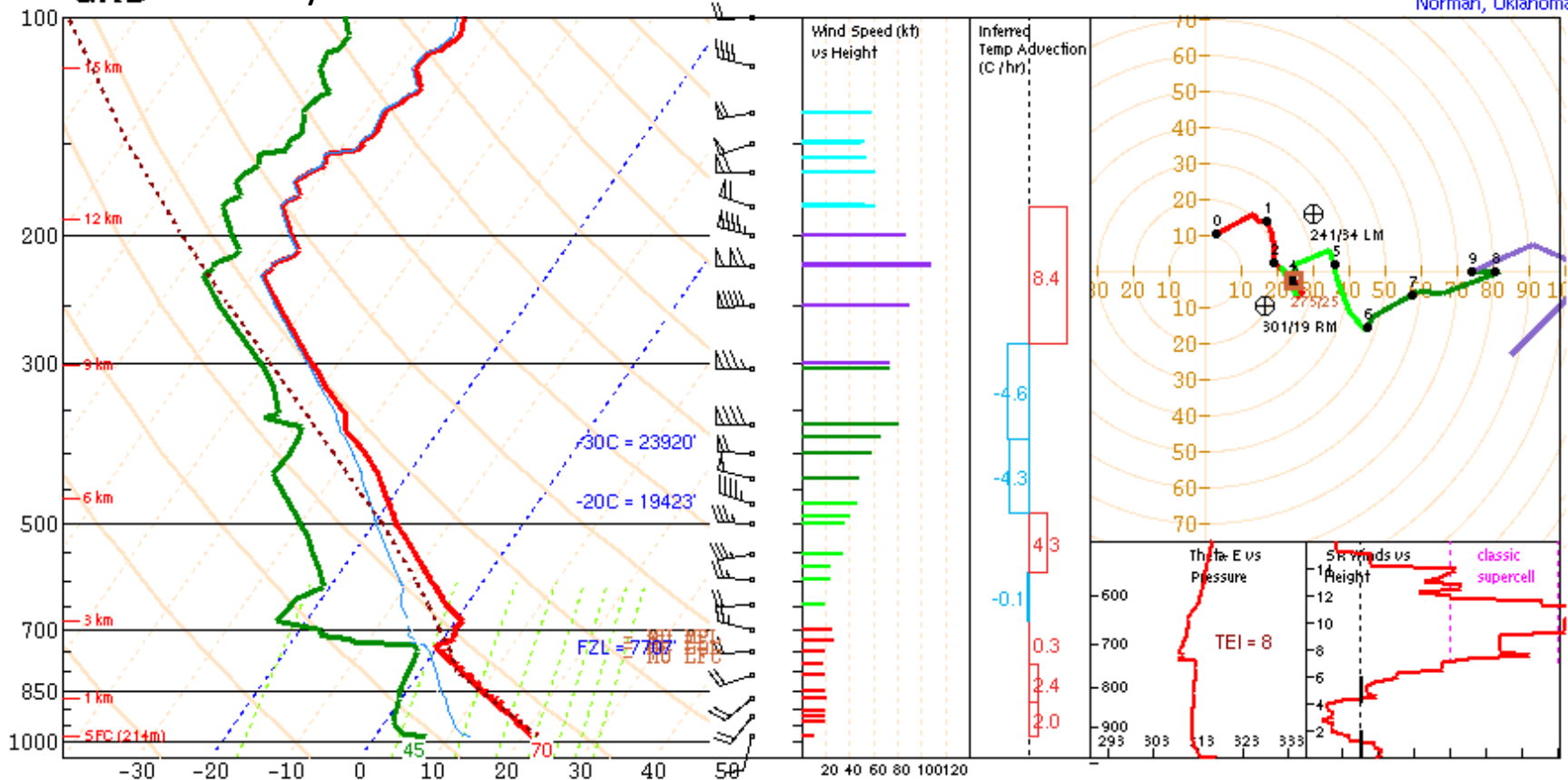
**Rain.**  
Based on sfc temperature of 78.1 F.

**SARS - Sounding Analogs**

SUPERCCELL	SGFNT HAIL
99050408.JCT SIG	No Quality Matches
64050600.OMA SIG	
54050121.TIK SIG	
68051600.LIT SIG	
(6 loose matches) SARS: 67% TOR	(13 loose matches) SARS: 92% SIG



# GRB 00Z Day 2



PARCEL	CAPE	CINH	LCL	LI	LFC	EL
SURFACE	7	-43	1744m	2	2078m	8136'
MIXED LAYER	0	0	2349m	5	M	7703'
FCST SURFACE	0	0	2636m	3	M	8646'
MU (983 mb)	7	-43	1744m	2	2078m	8136'
PW = 0.57 in		3CAPE = 0 J/kg	WBZ = 7085'	WNDG = 0.0		
K = 9		DCAPE = 633 J/kg	FZL = 7707'	ESP = 0.0		
MidRH = 37%		DownT = 52 F	ConvT = 88F	MMP = 0.81		
LowRH = 37%		MeanW = 4.8 g/kg	MaxT = 76F	NCAPE = 0.00		
SigSevere = 0 m3/s3						
Sfc-3km Agl Lapse Rate = 7.0 C/km						
3-6km Agl Lapse Rate = 7.2 C/km						
850-500mb Lapse Rate = 6.7 C/km						
700-500mb Lapse Rate = 6.9 C/km						
<b>Supercell = 0.0</b>						
<b>Left Supercell = 0.0</b>						
<b>Sig Tor (CIN) = 0.0</b>						
<b>Sig Tor (fixed) = 0.0</b>						
<b>Sig Hail = 0.0</b>						

	SRH(m2/s2)	Shear(kt)	MnWind	SRW
SFC - 1 km	96	14	223/20	175/25
SFC - 3 km	126	20	246/19	184/17
SFC - 6 km		49	257/22	200/15
Cloud Bearing Layer		12	269/22	210/11
BRN Shear = 25 m2/s2				
4-6km SR Wind = 250/20 kt				
..... Storm Motion Vectors.....				
Bunkers Right = 301/19 kt				
Bunkers Left = 241/34 kt				
Corfidi Downshear = 285/63 kt				
Corfidi Upshear = 303/27 kt				

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

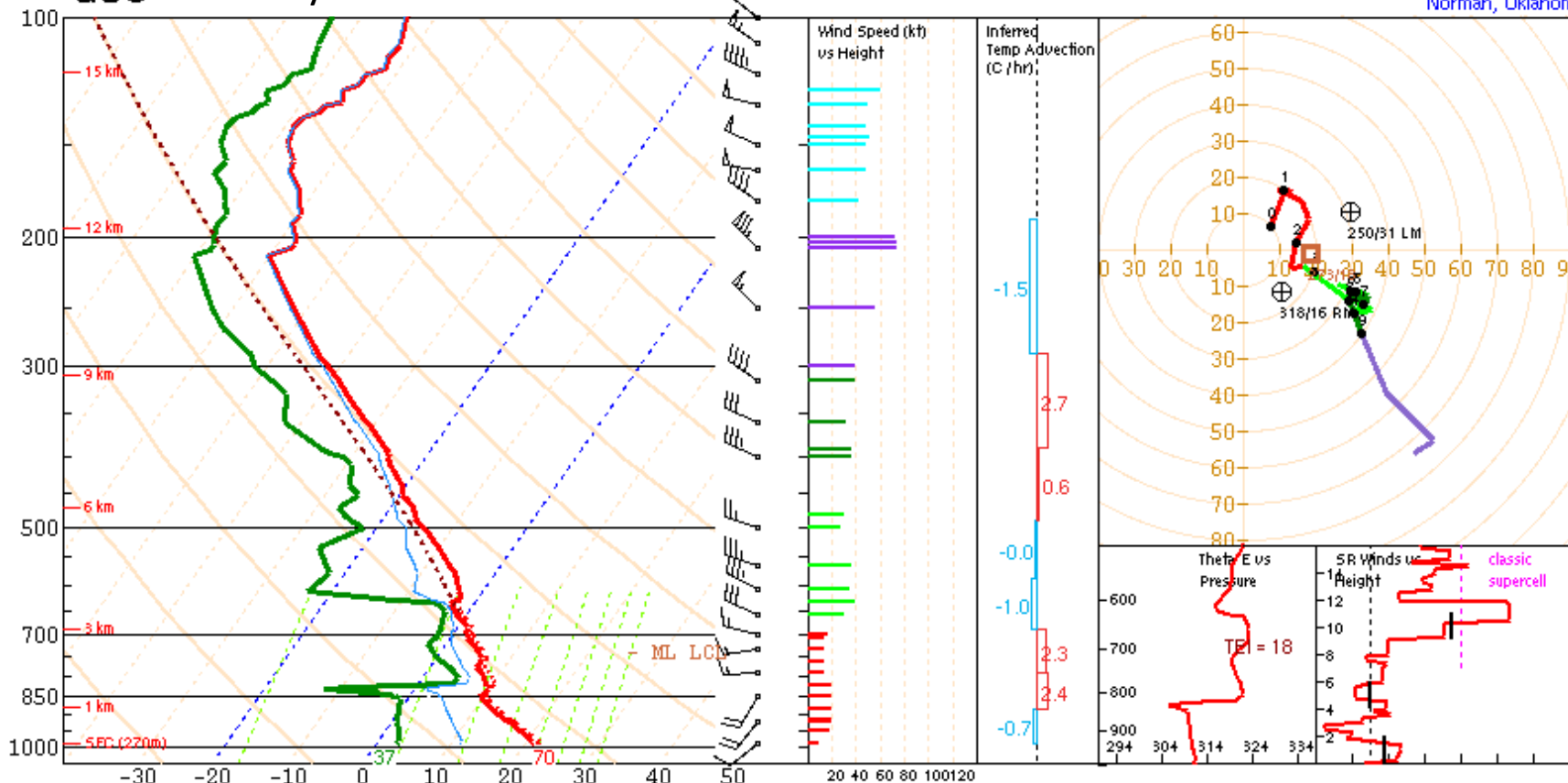
**None.**  
Based on sfc temperature of 70.2 F.

**SARS - Sounding Analogs**

SUPERCCELL	SGFNTHAIL
No Quality Matches	No Quality Matches



# GSO 00Z Day 2



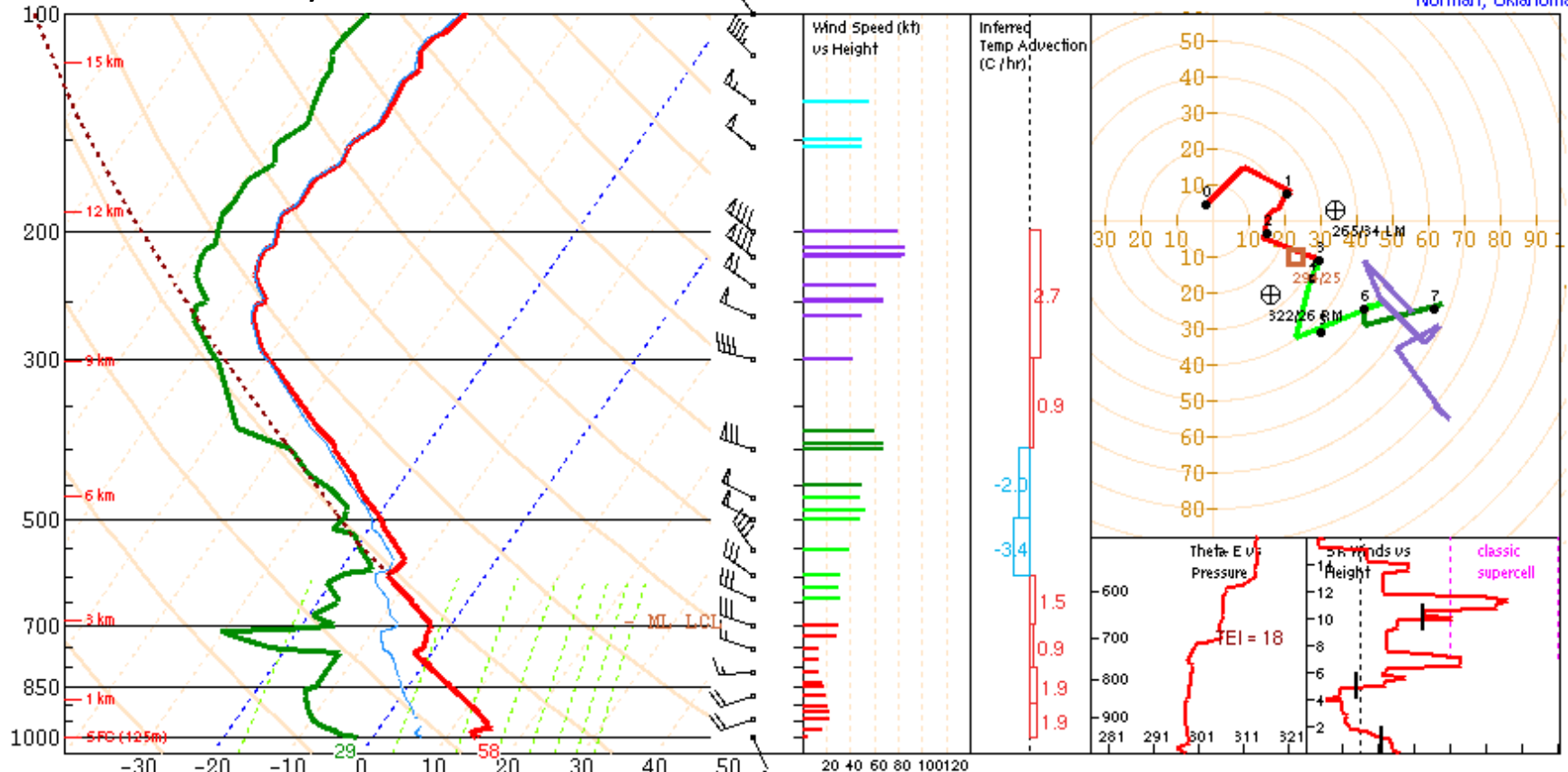
PARCEL	CAPE	CINH	LCL	LI	LFC	EL
SURFACE	0	0	2257m	9	M	7403'
MIXED LAYER	0	0	2391m	9	M	7841'
FCST SURFACE	0	0	2655m	7	M	8707'
MU (652 mb)	0	0	3592m	1	M	11780'
PW = 0.79 in	3CAPE = 0 J/kg		WBZ = 9729'			WNDG = 0.0
K = 18	DCAPE = 442 J/kg		FZL = 10680'			ESP = 0.0
MidRH = 62%	DownT = 49 F		ConvT = 100F			MMP = 0.42
LowRH = 37%	MeanW = 4.6 g/kg		MaxT = 75F			NCAPE = 0.00
SigSevere = 0 m3/s3						
Sfc-3km Agl Lapse Rate = 6.4 C/km						
3-6km Agl Lapse Rate = 6.5 C/km						
850-500mb Lapse Rate = 5.7 C/km						
700-500mb Lapse Rate = 6.2 C/km						
<b>Supercell = 0.0</b> <b>Left Supercell = 0.0</b> <b>Sig Tor (CIN) = 0.0</b> <b>Sig Tor (fixed) = 0.0</b> <b>Sig Hail = 0.0</b>						

	SRH(m2/s2)	Shear(kt)	MnWind	SRW
SFC - 1 km	11	10	217/19	182/27
SFC - 3 km	117	28	235/15	186/21
SFC - 6 km		34	265/18	211/15
BRN Shear = 30 m/s²				
4-6km SR Wind = 269/20 kt				
..... Storm Motion Vectors.....				
Bunkers Right = 318/16 kt				
Bunkers Left = 250/31 kt				
Corfidi Downshear = 311/53 kt				
Corfidi Upshear = 330/29 kt				

*** BEST GUESS PRECIP TYPE ***	
<b>None.</b>	
Based on sfc temperature of 69.8 F.	
SARS - Sounding Analogs	
SUPERCCELL	SGFNTHAIL
No Quality Matches	No Quality Matches



# GYX 00Z Day 2



PARCEL	CAPE	CINH	LCL	LI	LFC	EL
SURFACE	0	0	1998m	12	M	6554'
MIXED LAYER	0	0	2967m	12	M	9730'
FCST SURFACE	0	0	3398m	9	M	11146'
MU (596 mb)	0	0	4918m	5	M	16130'

PW = 0.35 in	3CAPE = 0 J/kg	WBZ = 3933'	WWDG = 0.0
K = -0	DCAPE = 407 J/kg	FZL = 6502'	ESP = 0.0
MidRH = 27%	DownT = 45 F	ConvT = 94F	MMP = 0.79
LowRH = 23%	MeanW = 2.2 g/kg	MaxT = 69F	NCAPE = 0.00
SigSevere = 0 m3/s3			
Sfc-3km Agl Lapse Rate = 5.9 C/km			
3-6km Agl Lapse Rate = 6.9 C/km			
850-500mb Lapse Rate = 6.1 C/km			
700-500mb Lapse Rate = 6.5 C/km			

<b>Supercell = 0.0</b>
<b>Left Supercell = 0.0</b>
<b>Sig Tor (CIN) = 0.0</b>
<b>Sig Tor (fixed) = 0.0</b>
<b>Sig Hail = 0.0</b>

	SRH(m2/s2)	Shear(kt)	MnWind	SRW
SFC - 1 km	214	22	245/20	184/29
SFC - 3 km	248	36	264/18	185/22
SFC - 6 km		55	285/24	206/16
BRN Shear = 41 m <sup>2</sup> /s <sup>2</sup>				
4-6km SR Wind = 290/19 kt				
..... Storm Motion Vectors.....				
Bunkers Right =	322/26 kt			
Bunkers Left =	265/34 kt			
Corfidi Downshear =	306/65 kt			
Corfidi Upshear =	322/28 kt			

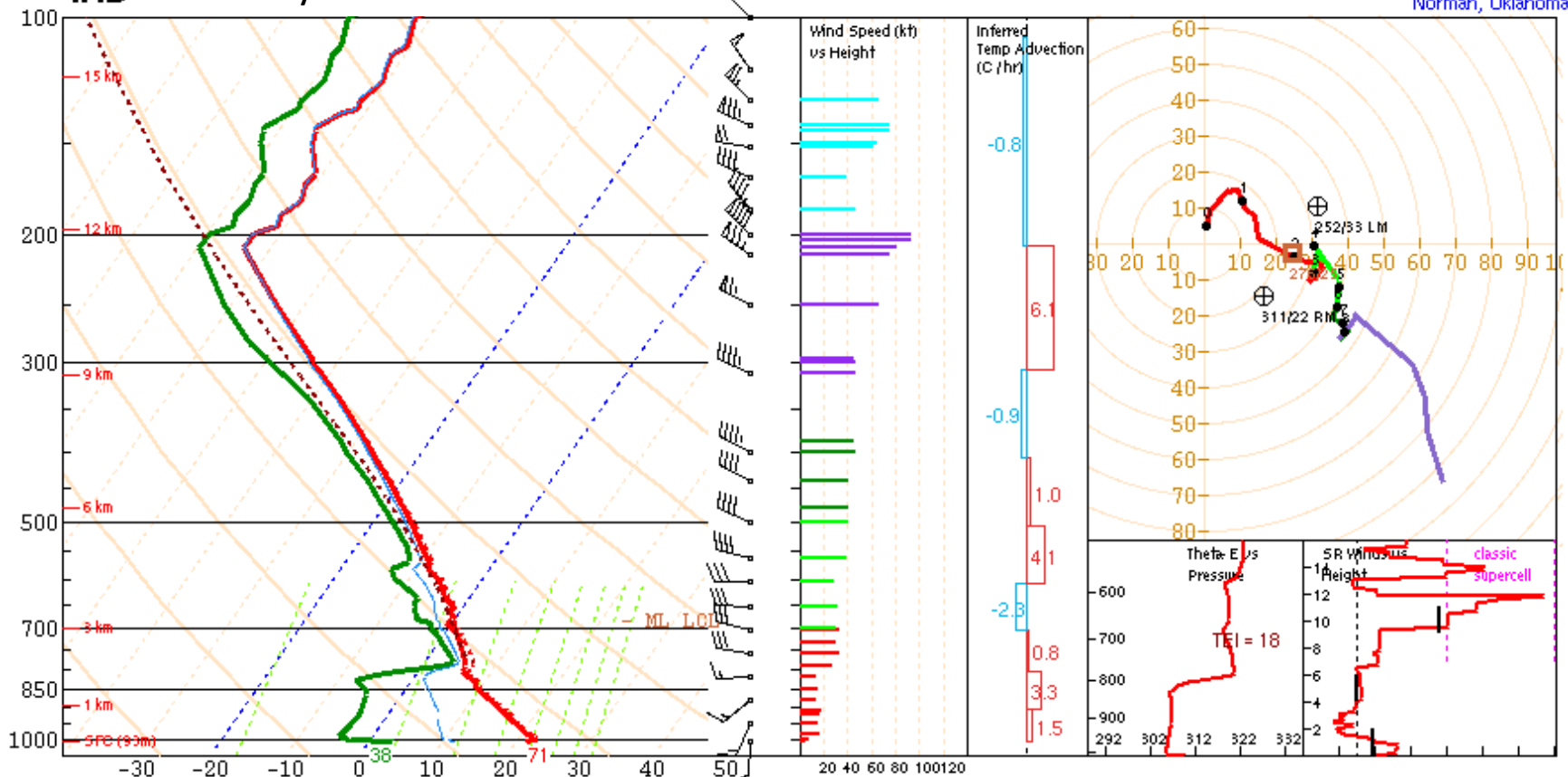
\*\*\* BEST GUESS PRECIP TYPE \*\*\*

**None.**  
Based on sfc temperature of 57.6 F.

SARS - Sounding Analogs	
SUPERCCELL	SGFNT HAIL
No Quality Matches	No Quality Matches



# IAD 00Z Day 2



PARCEL	CAPE	CINH	LCL	LI	LFC	EL
SURFACE	0	0	2249m	9	M	7375'
MIXED LAYER	0	0	3176m	11	M	10415'
FCST SURFACE	0	0	3465m	9	M	11366'
MU (781 mb)	0	0	2321m	2	M	7614'

PW = 0.79 in	3CAPE = 0 J/kg	WBZ = 9594'	WNDG = 0.0
K = 17	DCAPE = 504 J/kg	FZL = 10193'	ESP = 0.0
MidRH = 63%	DownT = 51 F	ConvT = 107F	MMP = 0.52
LowRH = 23%	MeanW = 3.2 g/kg	MaxT = 78F	NCAPE = 0.00
SigSevere = 0 m3/s3			
Sfc-3km Agl Lapse Rate = 7.0 C/km			
3-6km Agl Lapse Rate = 6.1 C/km			
850-500mb Lapse Rate = 5.9 C/km			
700-500mb Lapse Rate = 6.0 C/km			

<b>Supercell = 0.0</b>
<b>Left Supercell = 0.0</b>
<b>Sig Tor (CIN) = 0.0</b>
<b>Sig Tor (fixed) = 0.0</b>
<b>Sig Hail = 0.0</b>

	SRH(m2/s2)	Shear(kt)	MnWind	SRW
SFC - 1 km	106	12	209/15	162/29
SFC - 3 km	190	32	255/17	180/19
SFC - 6 km		43	271/22	200/15
BRN Shear = 59 m/s²				
4-6km SR Wind = 265/20 kt				
..... Storm Motion Vectors.....				
Bunkers Right =	311/22 kt			
Bunkers Left =	252/33 kt			
Corfidi Downshear =	301/68 kt			
Corfidi Upshear =	313/34 kt			

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

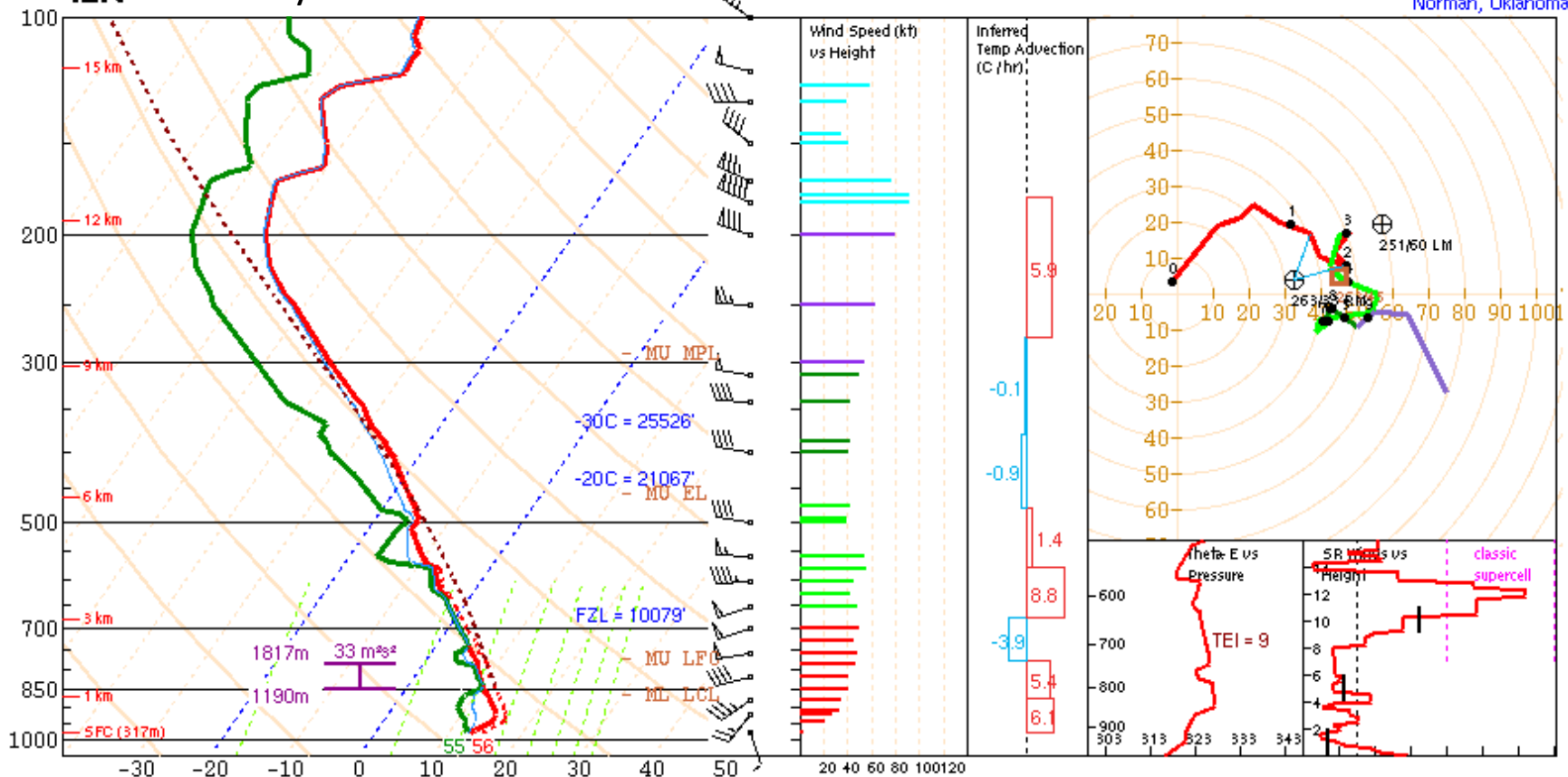
**Rain.**  
Based on sfc temperature of 70.9 F.

SARS - Sounding Analogs	
SUPERCCELL	SGFNT HAIL
No Quality Matches	No Quality Matches





# ILN 00Z Day 2

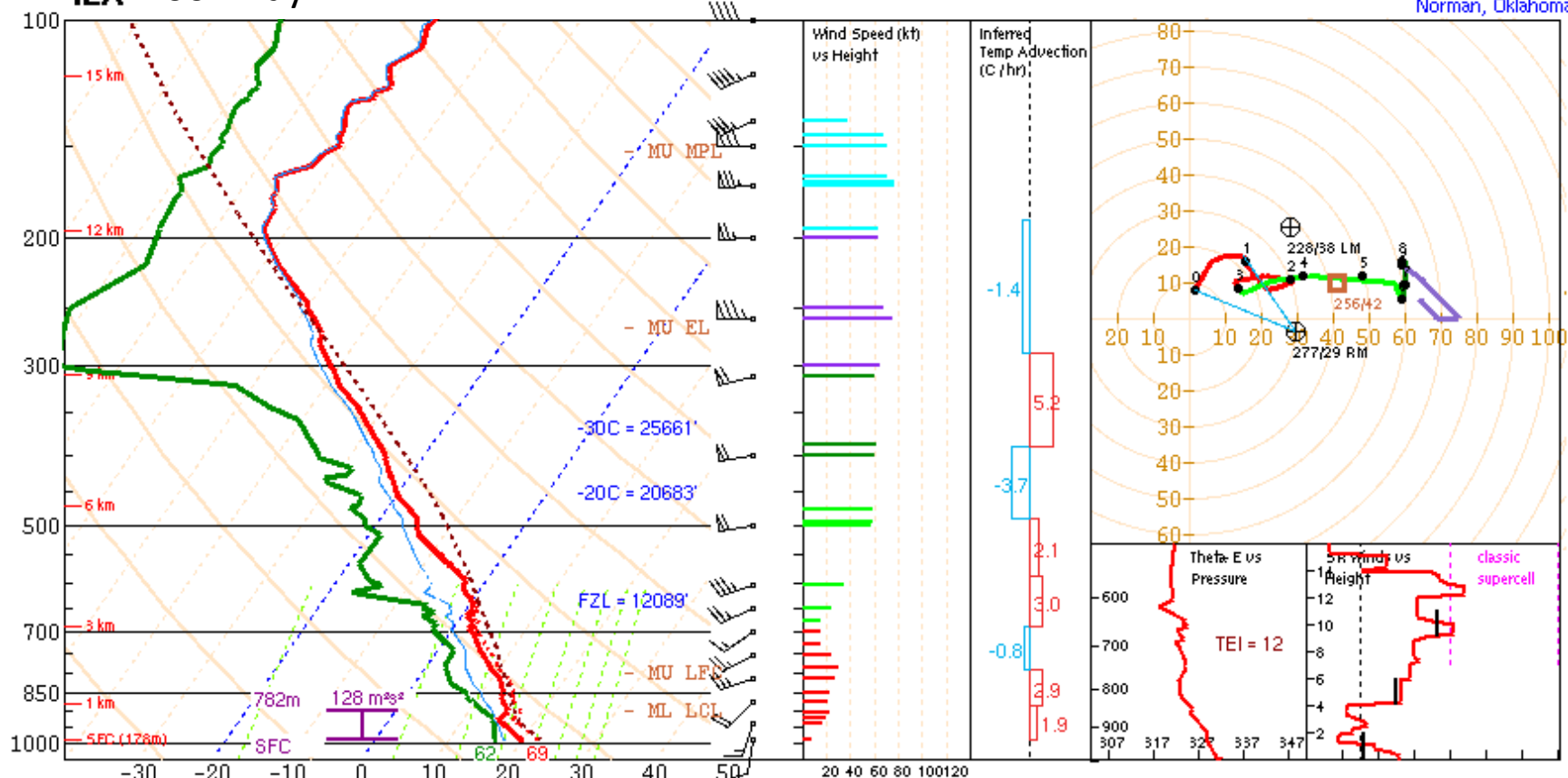


PARCEL	CAPE	CINH	LCL	LI	LFC	EL	SRH(m2/s2)	Shear(kt)	MnWind	SRW	*** BEST GUESS PRECIP TYPE ***	
SURFACE	0	0	65m	5	M	212'	SFC - 1 km	265	41	224/28	140/20	<b>Rain.</b> Based on sfc temperature of 55.8 F.
MIXED LAYER	0	0	1038m	3	M	3403'	SFC - 3 km	267	48	246/37	185/11	
FCST SURFACE	110	-11	1555m	-0	2482m	17953'	Eff Inflow Layer	33	13	257/44	241/11	
MU (844 mb)	193	-0	1249m	-1	1957m	20010'	SFC - 6 km		43	255/38	216/7	<b>SARS - Sounding Analogs</b>
PW = 1.27 in	3CAPE = 0 J/kg		WBZ = 10078'	WNDG = 0.0			Lower Half Storm Depth	16	255/46	238/14		
K = 35	DCAPE = 411 J/kg		FZL = 10079'	ESP = 0.0			Cloud Bearing Layer	18	262/45	262/12		
MidRH = 95%	DownT = 57 F		ConvT = 76F	MMP = 0.62			BRN Shear = 84 m <sup>2</sup> /s <sup>2</sup>					
LowRH = 82%	MeanW = 8.6 g/kg		MaxT = 75F	NCAPE = 0.00			4-6km SR Wind = 307/16 kt					
SigSevere = 0 m3/s3							..... Storm Motion Vectors.....					
Sfc-3km Agl Lapse Rate = 4.5 C/km							Bunkers Right = 263/33 kt					
3-6km Agl Lapse Rate = 6.2 C/km							Bunkers Left = 251/60 kt					
850-500mb Lapse Rate = 6.2 C/km							Corfidi Downshear = 282/65 kt					
700-500mb Lapse Rate = 6.3 C/km							Corfidi Upshear = 309/24 kt					
												(1 loose matches) SARS: 0% SIG

**Supercell = 0.0**  
**Left Supercell = -0.0**  
**Sig Tor (CIN) = 0.0**  
**Sig Tor (fixed) = 0.0**  
**Sig Hail = 0.0**

1km & 6km AGL  
Wind Barbs

# ILX 00Z Day 2



PARCEL	CAPE	CINH	LCL	LI	LFC	EL
SURFACE	673	-16	487m	-4	1806m	32817'
MIXED LAYER	261	-71	801m	-2	4612m	30172'
FCST SURFACE	1113	0	1343m	-5	1343m	38905'
MU (989 mb)	673	-16	487m	-4	1806m	32817'

PW = 1.20 in	3CAPE = 8 J/kg	WBZ = 9767'	WWDG = 0.0
K = 31	DCAPE = 617 J/kg	FZL = 12089'	ESP = 0.0
MidRH = 66%	DownT = 59 F	ConvT = 77F	MMP = 0.84
LowRH = 81%	MeanW = 10.9 g/kg	MaxT = 78F	NCAPE = 0.06
SigSevere = 7902 m3/s3			
Sfc-3km Agl Lapse Rate = 6.5 C/km			
3-6km Agl Lapse Rate = 6.8 C/km			
850-500mb Lapse Rate = 6.7 C/km			
700-500mb Lapse Rate = 6.8 C/km			

<b>Supercell = 1.7</b>
<b>Left Supercell = 0.2</b>
<b>Sig Tor (CIN) = 0.2</b>
<b>Sig Tor (fixed) = 0.6</b>
<b>Sig Hail = 0.3</b>

	SRH(m2/s2)	Shear(kt)	MnWind	SRW
SFC - 1 km	128	16	212/19	136/27
SFC - 3 km	81	13	232/20	139/21
Eff Inflow Layer	128	16	209/18	134/28
SFC - 6 km		59	246/27	164/16
Lower Half Storm Depth		56	242/25	156/17
Cloud Bearing Layer		67	252/37	201/16
BRN Shear = 50 m/s²				
4-6km SR Wind = 244/30 kt				
..... Storm Motion Vectors.....				
Bunkers Right =	277/29 kt			
Bunkers Left =	228/38 kt			
Corfidi Downshear =	264/72 kt			
Corfidi Upshear =	276/29 kt			

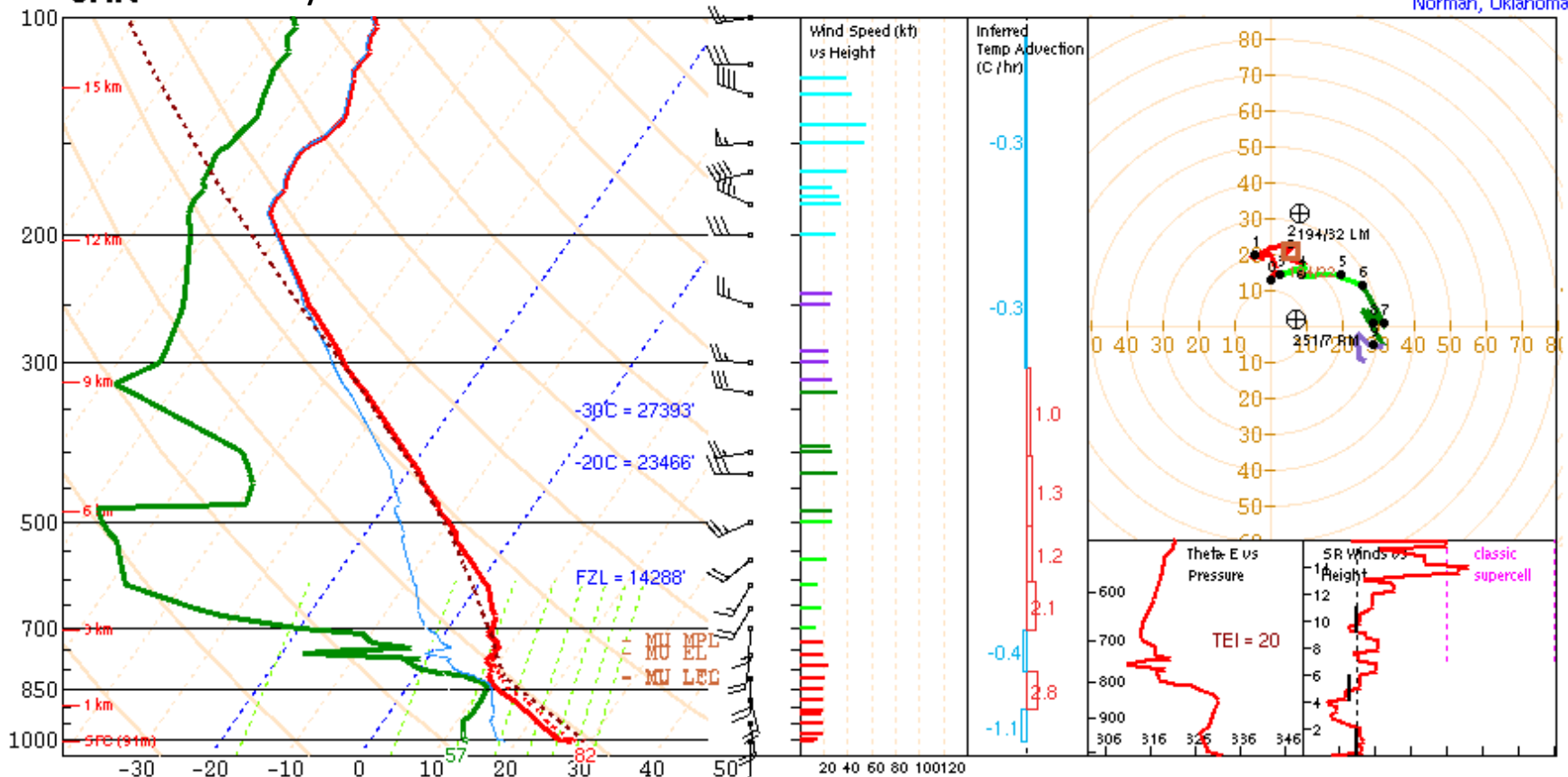
  

1km & 6km AGL Wind Barbs
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\*\*\* BEST GUESS PRECIP TYPE \*\*\*

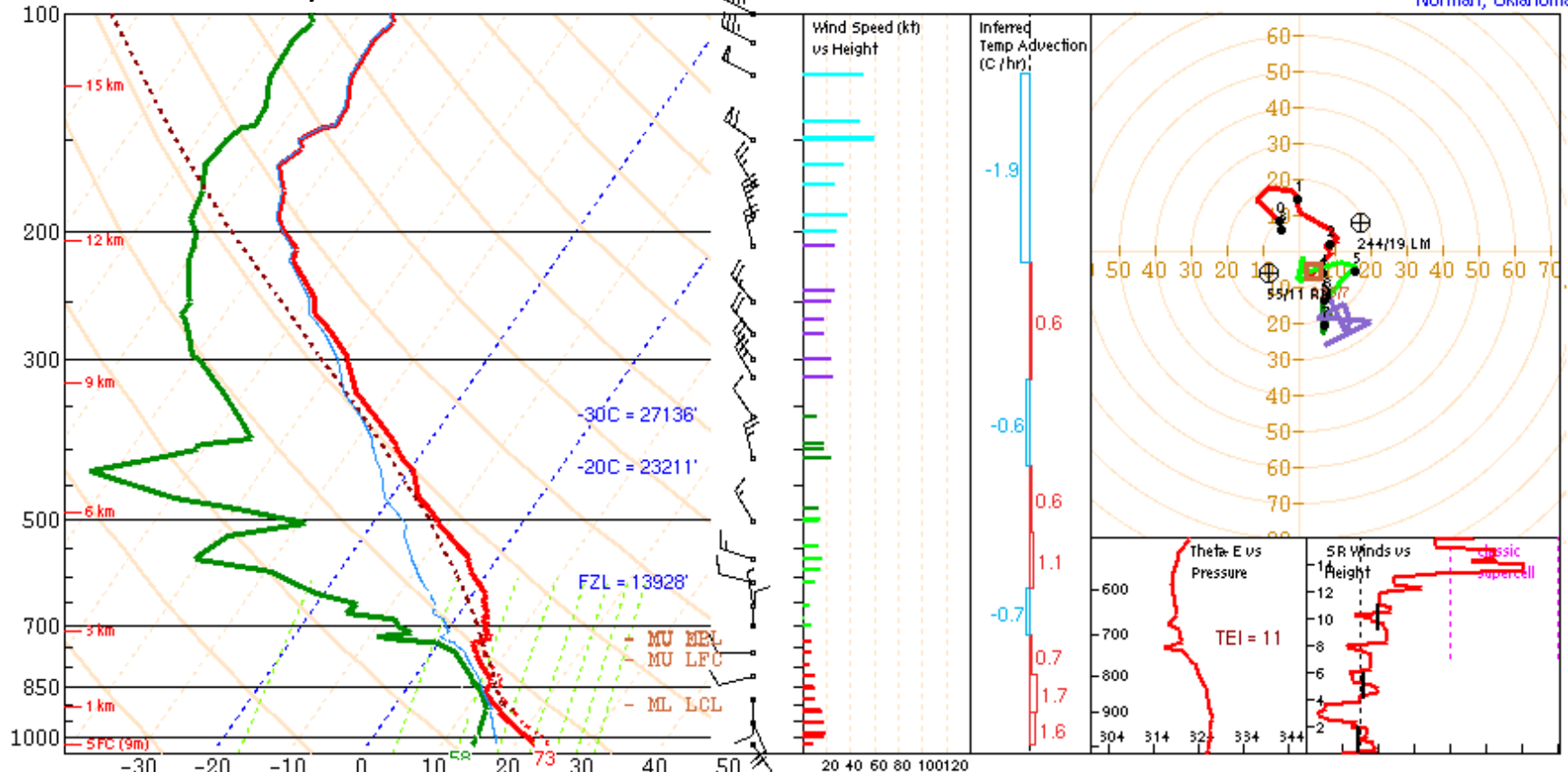
**Rain.**  
Based on sfc temperature of 69.1 F.

SARS - Sounding Analogs	
SUPERCCELL	SGFNT HAIL
No Quality Matches	No Quality Matches
(19 loose matches) SARS: 53% TOR	(3 loose matches) SARS: 0% SIG



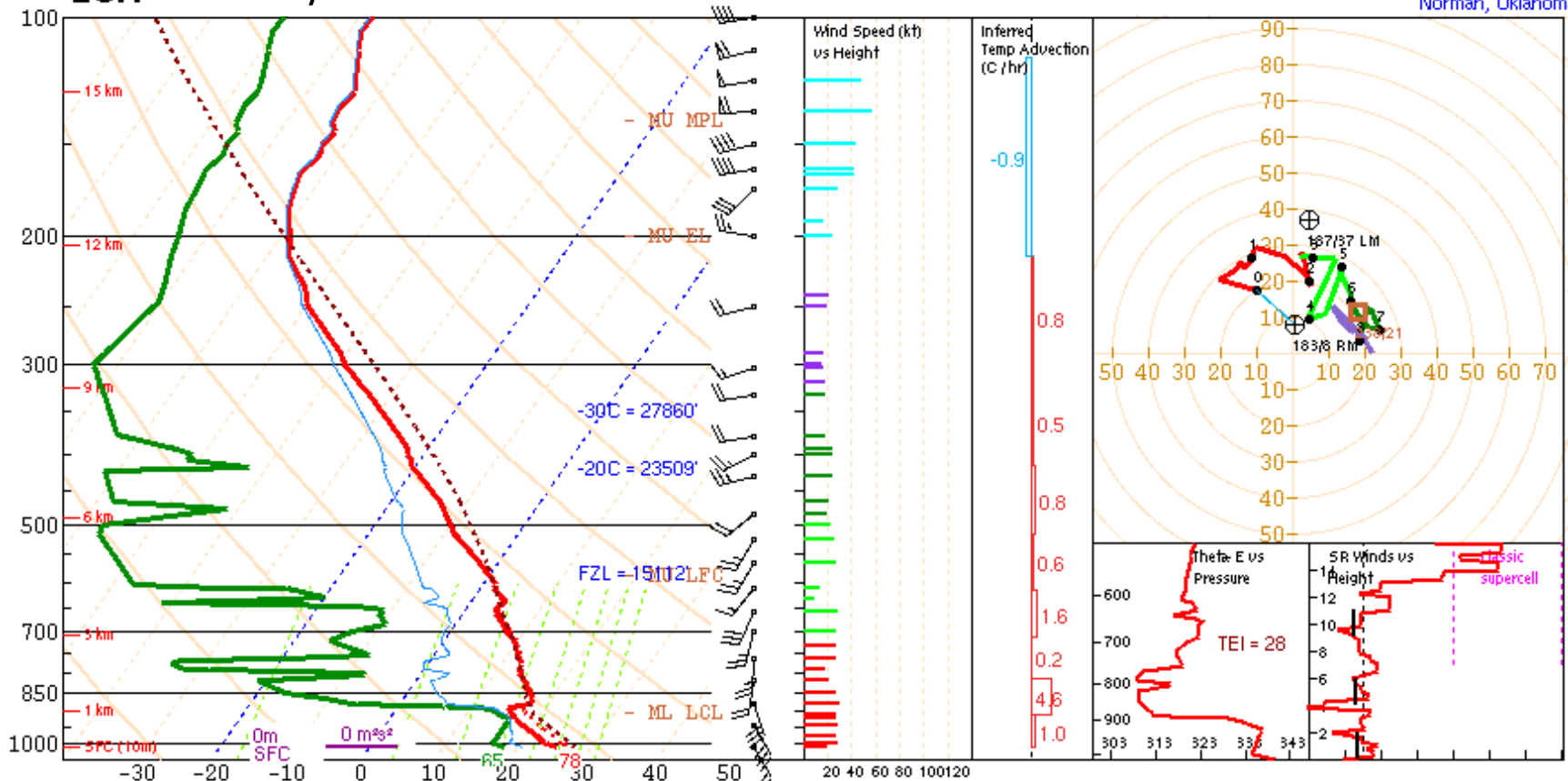
PARCEL	CAPE	CINH	LCL	LI	LFC	EL	SRH(m2/s2)	Shear(kt)	MnWind	SRW	*** BEST GUESS PRECIP TYPE ***						
SURFACE	10	0	1759m	1	1759m	7876'					None. Based on sfc temperature of 82.0 F.						
MIXED LAYER	0	0	1742m	2	M	5713'				<b>SARS - Sounding Analogs</b> <table border="1"> <thead> <tr> <th>SUPERCCELL</th> <th>SGFNT HAIL</th> </tr> </thead> <tbody> <tr> <td>No Quality Matches</td> <td>No Quality Matches</td> </tr> </tbody> </table>			SUPERCCELL	SGFNT HAIL	No Quality Matches	No Quality Matches	
SUPERCCELL	SGFNT HAIL																
No Quality Matches	No Quality Matches																
FCST SURFACE	4	0	1995m	1	1995m	7698'											
MU (1006 mb)	10	0	1759m	1	1759m	7876'											
PW = 0.90 .in    3CAPE = 0 J/kg    WBZ = 7815'    WNDG = 0.0 K = 8    DCAPE = 1028 J/kg    FZL = 14288'    ESP = 0.0 MidRH = 31%    DownT = 56 F    ConvT = 83F    MMP = 0.10 LowRH = 54%    MeanW = 9.3 g/kg    MaxT = 84F    NCAPE = 0.00 SigSevere = 0 m3/s3							..... Storm Motion Vectors ..... Bunkers Right = 251/7 kt Bunkers Left = 194/32 kt Corfidi Downshear = 269/37 kt Corfidi Upshear = 295/22 kt										
Sfc-3km Agl Lapse Rate = 7.7 C/km 3-6km Agl Lapse Rate = 6.1 C/km 850-500mb Lapse Rate = 5.6 C/km 700-500mb Lapse Rate = 6.0 C/km							<b>Supercell = 0.0</b> <b>Left Supercell = 0.0</b> <b>Sig Tor (CIN) = 0.0</b> <b>Sig Tor (fixed) = 0.0</b> <b>Sig Hail = 0.0</b>										

# JAX 00Z Day 2



PARCEL	CAPE	CINH	LCL	LI	LFC	EL	SRH(m2/s2)	Shear(kt)	MnWind	SRW	*** BEST GUESS PRECIP TYPE ***	
SURFACE	0	0	1021m	2	M	3349'					<b>Rain.</b> Based on sfc temperature of 72.7 F.	
MIXED LAYER	1	-28	1073m	2	2420m	9120'						
FCST SURFACE	43	-124	1376m	0	5917m	21988'					<b>SARS - Sounding Analogs</b>	
MU (920 mb)	5	-13	1129m	1	2283m	9149'						
PW = 1.16 in    3CAPE = 1 J/kg    WBZ = 9351'    WNDG = 0.0 K = 21    DCAPE = 695 J/kg    FZL = 13928'    ESP = 0.0 MidRH = 61%    DownT = 60 F    ConvT = 85F    MMP = 0.05 LowRH = 77%    MeanW = 10.4 g/kg    MaxT = 78F    NCAPE = 0.00 SigSevere = 19 m3/s3							..... Storm Motion Vectors..... Bunkers Right = 55/11 kt Bunkers Left = 244/19 kt Corfidi Downshear = 328/38 kt Corfidi Upshear = 334/25 kt		No Quality Matches    No Quality Matches			
Sfc-3km Agl Lapse Rate = 6.1 C/km 3-6km Agl Lapse Rate = 6.4 C/km 850-500mb Lapse Rate = 5.7 C/km 700-500mb Lapse Rate = 6.4 C/km							1km & 6km AGL Wind Barbs					
<b>Supercell = 0.0</b> <b>Left Supercell = 0.0</b> <b>Sig Tor (CIN) = 0.0</b> <b>Sig Tor (fixed) = 0.0</b> <b>Sig Hail = 0.0</b>												

# LCH 00Z Day 2

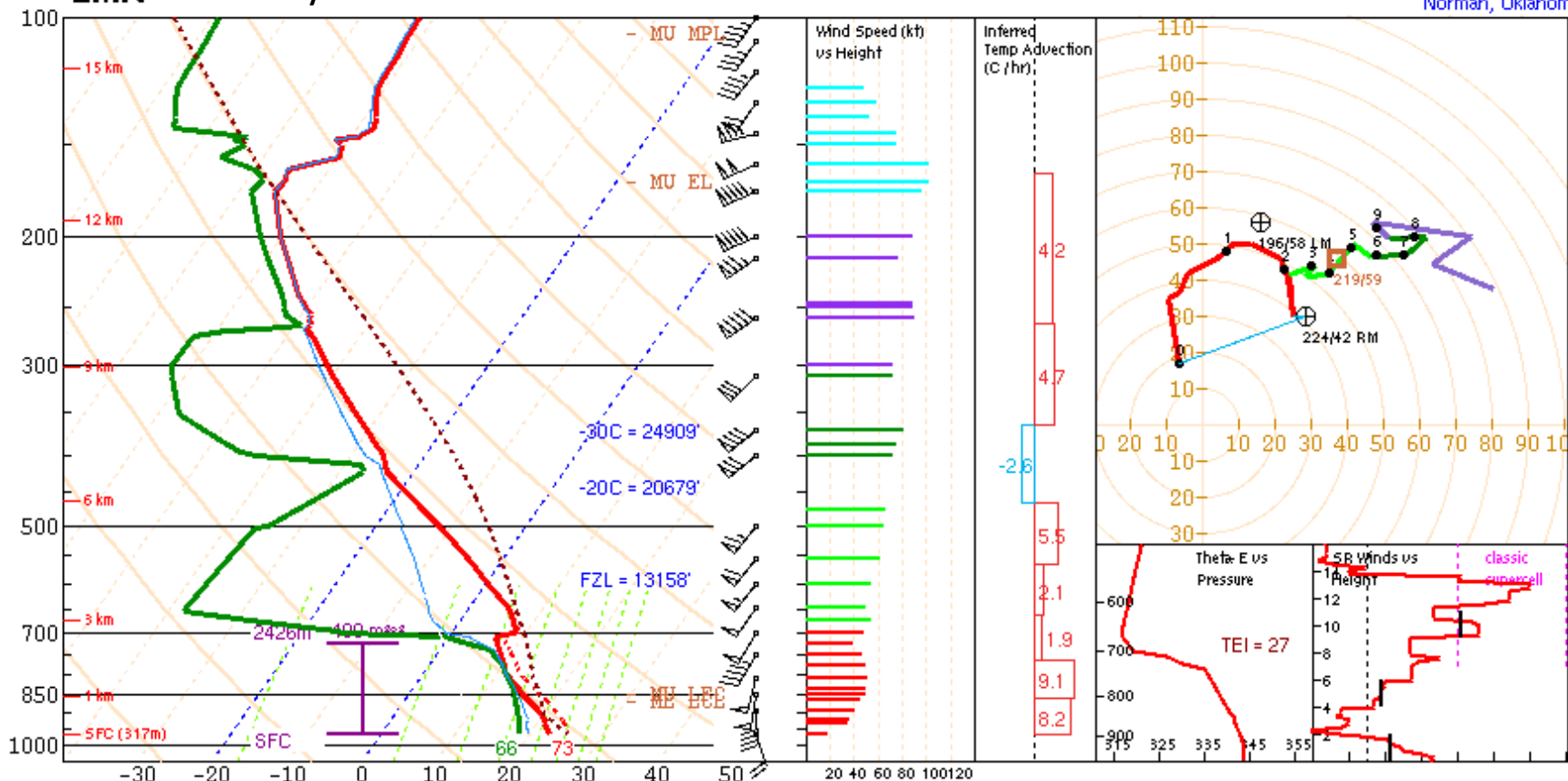


PARCEL	CAPE	CINH	LCL	LI	LFC	EL	SRH(m2/s2)	Shear(kt)	MnWind	SRW	*** BEST GUESS PRECIP TYPE ***		
SURFACE	845	-41	884m	-3	4553m	40013'	SFC - 1 km	56	12	149/28	137/22	<b>Rain.</b> Based on sfc temperature of 78.1 F.	
MIXED LAYER	301	-198	936m	-1	5476m	36645'	SFC - 3 km	136	19	169/25	163/17		
FCST SURFACE	733	-63	1229m	-2	4689m	39202'	Eff Inflow Layer	0	0	150/20	132/14		
MU (1014 mb)	845	-41	884m	-3	4553m	40013'	SFC - 6 km		26	181/23	180/15	<b>SARS - Sounding Analogs</b>	
PW = 0.81 in	3CAPE = 0 J/kg		WBZ = 7332'		WNDG = 0.0		Lower Half Storm Depth		32	180/23	178/15		<b>SUPERCCELL</b>
K = -11	DCAPE = 669 J/kg		FZL = 15112'		ESP = 0.0		Cloud Bearing Layer		47	205/21	218/14	No Quality Matches	No Quality Matches
MidRH = 10%	DownT = 54 F		ConvT = 85F		MMP = 0.17		BRN Shear = 36 m/s²						
LowRH = 52%	MeanW = 12.5 g/kg		MaxT = 81F		NCAPE = 0.05		4-6km SR Wind = 227/18 kt						
SigSevere = 4082 m3/s3							..... Storm Motion Vectors.....						
Sfc-3km Agl Lapse Rate = 6.3 C/km							Bunkers Right = 183/8 kt						
3-6km Agl Lapse Rate = 6.7 C/km							Bunkers Left = 187/37 kt						
850-500mb Lapse Rate = 6.2 C/km							Corfidi Downshear = 258/36 kt						
700-500mb Lapse Rate = 6.7 C/km							Corfidi Upshear = 291/25 kt						
												(3 loose matches) SARS: 33% TOR	(4 loose matches) SARS: 0% SIG

**Supercell = 0.0**  
**Left Supercell = 0.0**  
**Sig Tor (CIN) = 0.0**  
**Sig Tor (fixed) = 0.1**  
**Sig Hail = 0.2**







PARCEL	CAPE	CINH	LCL	LI	LFC	EL
SURFACE	2592	-32	524m	-6	1085m	41779'
MIXED LAYER	2475	-8	880m	-6	1135m	41779'
FCST SURFACE	3293	0	1265m	-8	1265m	42379'
MU (964 mb)	2592	-32	524m	-6	1085m	41779'

PW = 1.25 in	3CAPE = 96 J/kg	WBZ = 8816'	WNDG = 0.0
K = 19	DCAPE = 1095 J/kg	FZL = 13158'	ESP = 0.0
MidRH = 32%	DownT = 55 F	ConvT = 78F	MMP = 1.00
LowRH = 86%	MeanW = 13.4 g/kg	MaxT = 82F	NCAPE = 0.21
SigSevere = 87835 m3/s3			
Sfc-3km Agl Lapse Rate = 6.0 C/km			
3-6km Agl Lapse Rate = 8.2 C/km			
850-500mb Lapse Rate = 6.8 C/km			
700-500mb Lapse Rate = 7.6 C/km			

<b>Supercell = 20.7</b>
<b>Left Supercell = 7.2</b>
<b>Sig Tor (CIN) = 6.6</b>
<b>Sig Tor (fixed) = 6.2</b>
<b>Sig Hail = 2.2</b>

	SRH(m2/s2)	Shear(kt)	MnWind	SRW
SFC - 1 km	361	37	177/40	108/33
SFC - 3 km	437	46	195/42	122/21
Eff Inflow Layer	400	34	191/42	119/24
SFC - 6 km		69	204/46	142/16
Lower Half Storm Depth		69	207/48	150/15
Cloud Bearing Layer		96	215/56	193/16
BRN Shear = 97 m2/s2				
4-6km SR Wind = 219/24 kt				
..... Storm Motion Vectors .....				
Bunkers Right =			224/42 kt	
Bunkers Left =			196/58 kt	
Corfidi Downshear =			236/89 kt	
Corfidi Upshear =			265/36 kt	

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

**Rain.**  
Based on sfc temperature of 73.4 F.

**SARS - Sounding Analogs**

SUPERCCELL		SGFNT HAIL	
03050701.CGI	SIG	02060500.AMA	2.75
66060900.TOP	SIG		
03050700.FAM	WEAK		

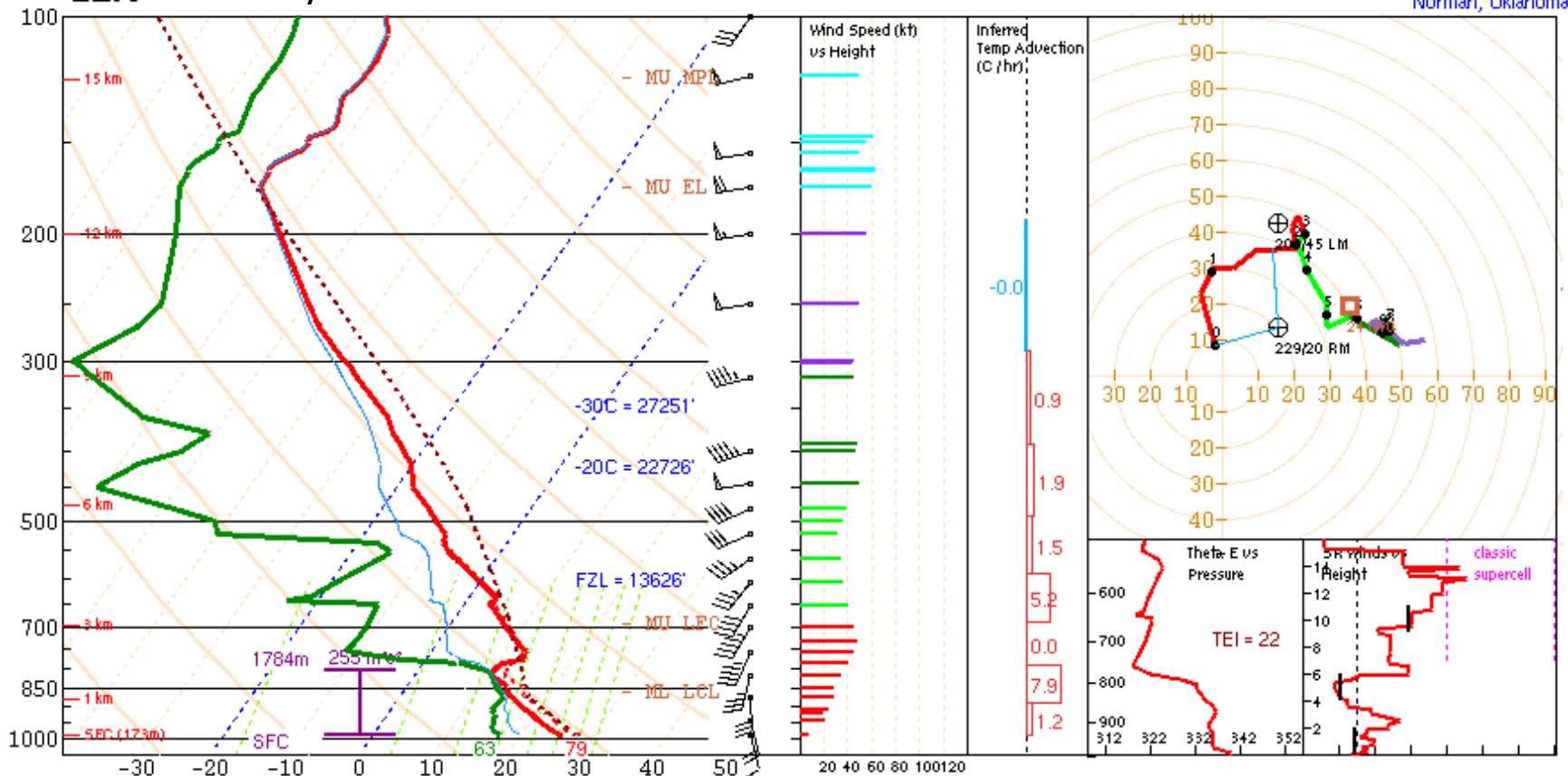
(11 loose matches) SARS: 73% TOR

(12 loose matches) SARS: 75% SIG





# LZK 00Z Day 2



PARCEL	CAPE	CINH	LCL	LI	LFC	EL
SURFACE	1205	-31	1146m	-4	3127m	40914'
MIXED LAYER	663	-89	1205m	-3	4094m	39347'
FCST SURFACE	1109	-37	1452m	-4	3187m	40378'
MU (989 mb)	1321	-26	1039m	-5	3009m	42262'
PW = 1.14 in	3CAPE = 14 J/kg		WBZ = 9668'		WNDG = 0.0	
K = 19	DCAPE = 717 J/kg		FZL = 13626'		ESP = 0.0	
MidRH = 38%	DownT = 59 F		ConvT = 89F		MMP = 0.73	
LowRH = 76%	MeanW = 11.8 g/kg		MaxT = 82F		NCAPE = 0.08	
SigSevere = 17610 m3/s3						
Sfc-3km Agl Lapse Rate = 6.7 C/km						
3-6km Agl Lapse Rate = 7.5 C/km						
850-500mb Lapse Rate = 6.3 C/km						
700-500mb Lapse Rate = 7.4 C/km						

**Supercell = 6.7**  
**Left Supercell = 2.1**  
**Sig Tor (CIN) = 0.6**  
**Sig Tor (fixed) = 0.7**  
**Sig Hail = 0.9**

	SRH(m2/s2)	Shear(kt)	MnWind	SRW
SFC - 1 km	121	21	169/23	115/22
SFC - 3 km	265	36	193/32	155/19
Eff Inflow Layer	255	35	181/26	131/20
SFC - 6 km		52	205/31	171/15
Lower Half Storm Depth		52	207/31	173/14
Cloud Bearing Layer		65	226/38	223/17
BRN Shear = 53 m2/s2				
4-6km SR Wind = 252/15 kt				
..... Storm Motion Vectors.....				
Bunkers Right = 229/20 kt				
Bunkers Left = 200/45 kt				
Corfidi Downshear = 250/66 kt				
Corfidi Upshear = 272/32 kt				



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

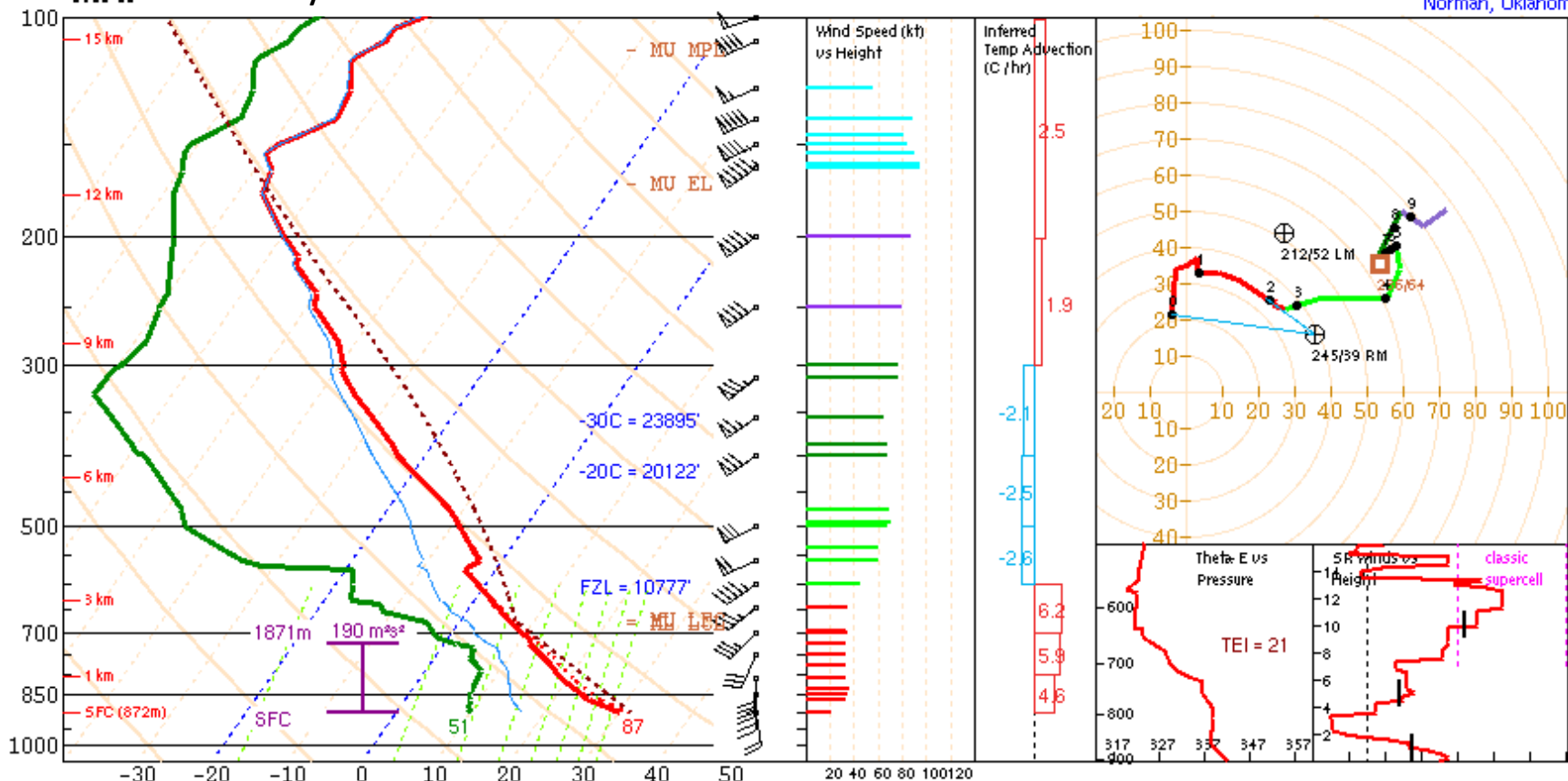
**Rain.**  
Based on sfc temperature of 79.2 F.

**SARS - Sounding Analogs**

SUPERCCELL		SGFNT HAIL	
00031022.BHM	NON	97061200.TOP	2.75
04042821.GW2	NON	95052912.MAF	2.50

(17 loose matches) SARS: 35% TOR  
 (14 loose matches) SARS: 64% SIG

# MAF 00Z Day 2



PARCEL	CAPE	CINH	LCL	LI	LFC	EL
SURFACE	1588	0	2491m	-3	2491m	40065'
MIXED LAYER	1006	-42	2389m	-2	2723m	37304'
FCST SURFACE	1409	0	2602m	-3	2602m	40065'
MU (901 mb)	1588	0	2491m	-3	2491m	40065'

PW = 0.76 in	3CAPE = 7 J/kg	WBZ = 8391'	WWDG = 0.1
K = 29	DCAPE = 1284 J/kg	FZL = 10777'	ESP = 0.4
MidRH = 27%	DownT = 52 F	ConvT = 87F	MMP = 0.99
LowRH = 42%	MeanW = 8.4 g/kg	MaxT = 87F	NCAPE = 0.12
SigSevere = 32109 m3/s3			
Sfc-3km Agl Lapse Rate = 9.8 C/km			
3-6km Agl Lapse Rate = 7.1 C/km			
850-500mb Lapse Rate = 7.8 C/km			
700-500mb Lapse Rate = 7.1 C/km			

<b>Supercell = 6.0</b>
<b>Left Supercell = -0.3</b>
<b>Sig Tor (CIN) = 0.0</b>
<b>Sig Tor (fixed) = 0.0</b>
<b>Sig Hail = 0.6</b>

	SRH(m2/s2)	Shear(kt)	MnWind	SRW
SFC - 1 km	177	17	181/34	117/39
SFC - 3 km	217	41	204/32	121/26
Eff Inflow Layer	190	26	193/32	119/32
SFC - 6 km		62	222/40	147/16
Lower Half Storm Depth		62	221/40	147/16
Cloud Bearing Layer		59	236/64	223/27
BRN Shear = 110 m/s²				
4-6km SR Wind = 229/29 kt				

..... Storm Motion Vectors.....

Bunkers Right =	245/39 kt
Bunkers Left =	212/52 kt
Corfidi Downshear =	245/82 kt
Corfidi Upshear =	269/36 kt

1km & 6km AGL  
Wind Barbs

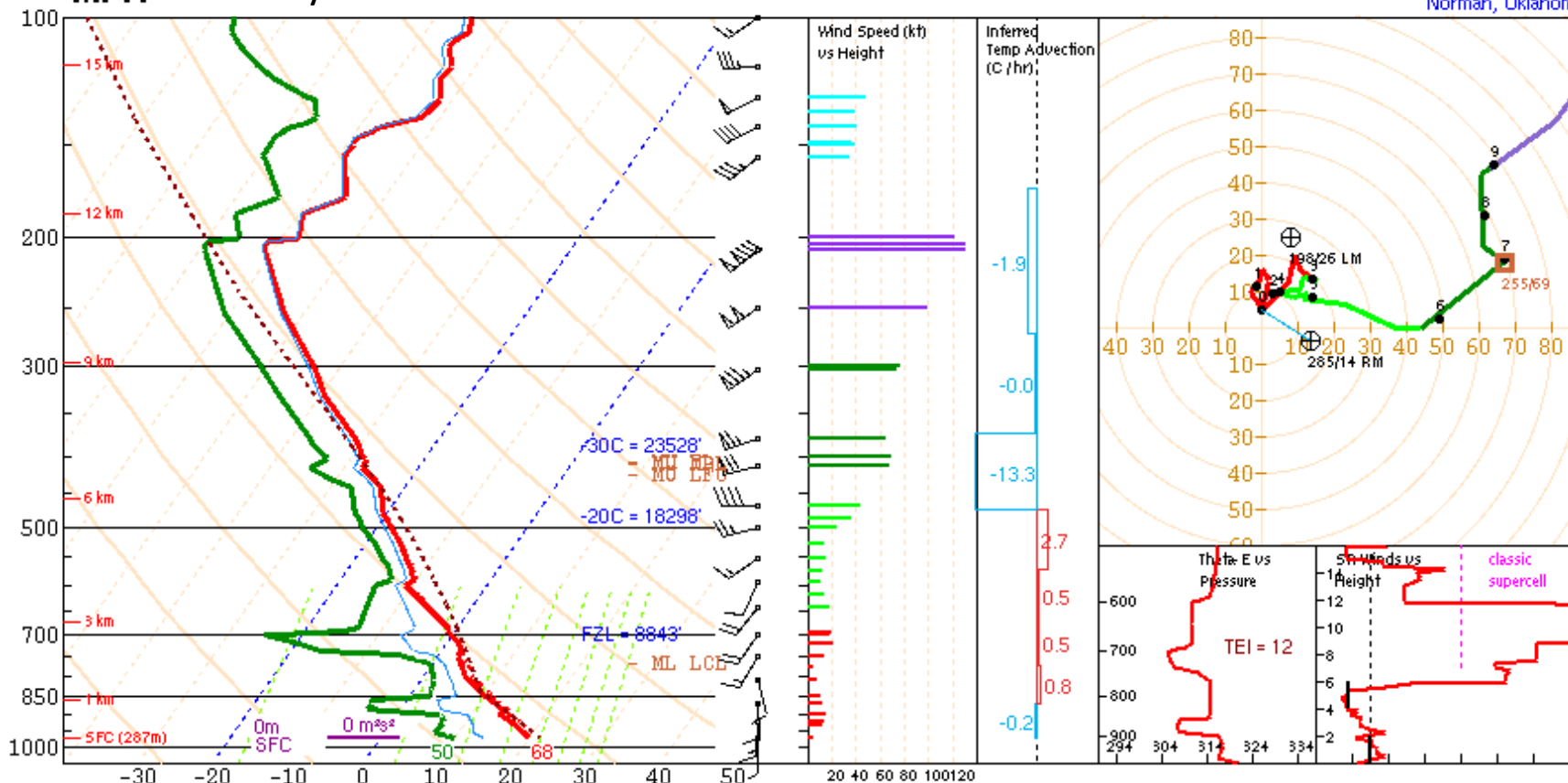
\*\*\* BEST GUESS PRECIP TYPE \*\*\*

**Rain.**  
Based on sfc temperature of 86.7 F.

**SARS - Sounding Analogs**

SUPERCCELL	SGFNT HAIL
No Quality Matches	No Quality Matches
(3 loose matches) SARS: 33% TOR	SARS: 0% SIG

# MPX 00Z Day 2



PARCEL	CAPE	CINH	LCL	LI	LFC	EL
SURFACE	263	-14	1260m	-2	6514m	22338'
MIXED LAYER	0	0	1981m	2	M	6496'
FCST SURFACE	35	-25	2328m	0	3371m	14275'
MU (972 mb)	263	-14	1260m	-2	6514m	22338'

PW = 0.71 in	3CAPE = 0 J/kg	WBZ = 7015'	WWDG = 0.0
K = 8	DCAPE = 673 J/kg	FZL = 8843'	ESP = 0.0
MidRH = 40%	DownT = 49 F	ConvT = 77F	MMP = 0.79
LowRH = 47%	MeanW = 5.5 g/kg	MaxT = 75F	NCAPE = 0.00
SigSevere = 0 m3/s3			
Sfc-3km Agl Lapse Rate = 7.8 C/km			
3-6km Agl Lapse Rate = 6.7 C/km			
850-500mb Lapse Rate = 7.0 C/km			
700-500mb Lapse Rate = 6.9 C/km			

<b>Supercell = 0.0</b>
<b>Left Supercell = 0.0</b>
<b>Sig Tor (CIN) = 0.0</b>
<b>Sig Tor (fixed) = 0.0</b>
<b>Sig Hail = 0.0</b>

SRH(m2/s2)	Shear(kt)	MnWind	SRW
SFC - 1 km	-0	6	181/13
SFC - 3 km	59	15	192/12
Eff Inflow Layer	0	0	180/5
SFC - 6 km	68	217/14	160/15
Lower Half Storm Depth	12	196/13	147/19
Cloud Bearing Layer	71	233/18	183/14
BRN Shear = 6 m <sup>2</sup> /s <sup>2</sup>			
4-6km SR Wind =	222/14 kt		

..... Storm Motion Vectors .....

Bunkers Right = 285/14 kt  
Bunkers Left = 198/26 kt

Corfidi Downshear = 249/61 kt  
Corfidi Upshear = 260/29 kt

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

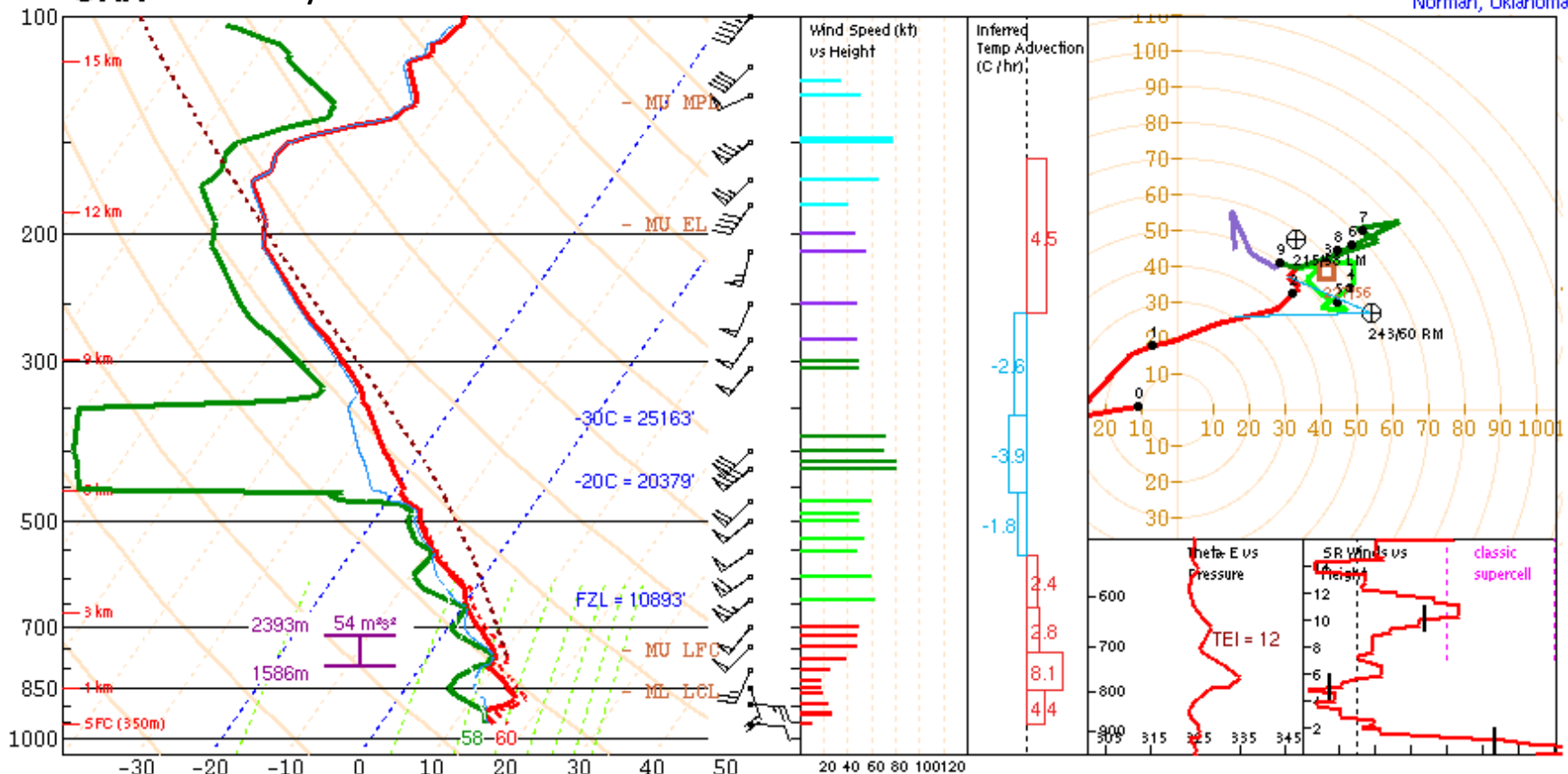
**None.**  
Based on sfc temperature of 68.4 F.

SARS - Sounding Analogs	
SUPERCCELL	SGFNT HAIL
No Quality Matches	No Quality Matches

(1 loose matches)  
SARS: 100% TOR  
SARS: 0% SIG



# OAX 00Z Day 2

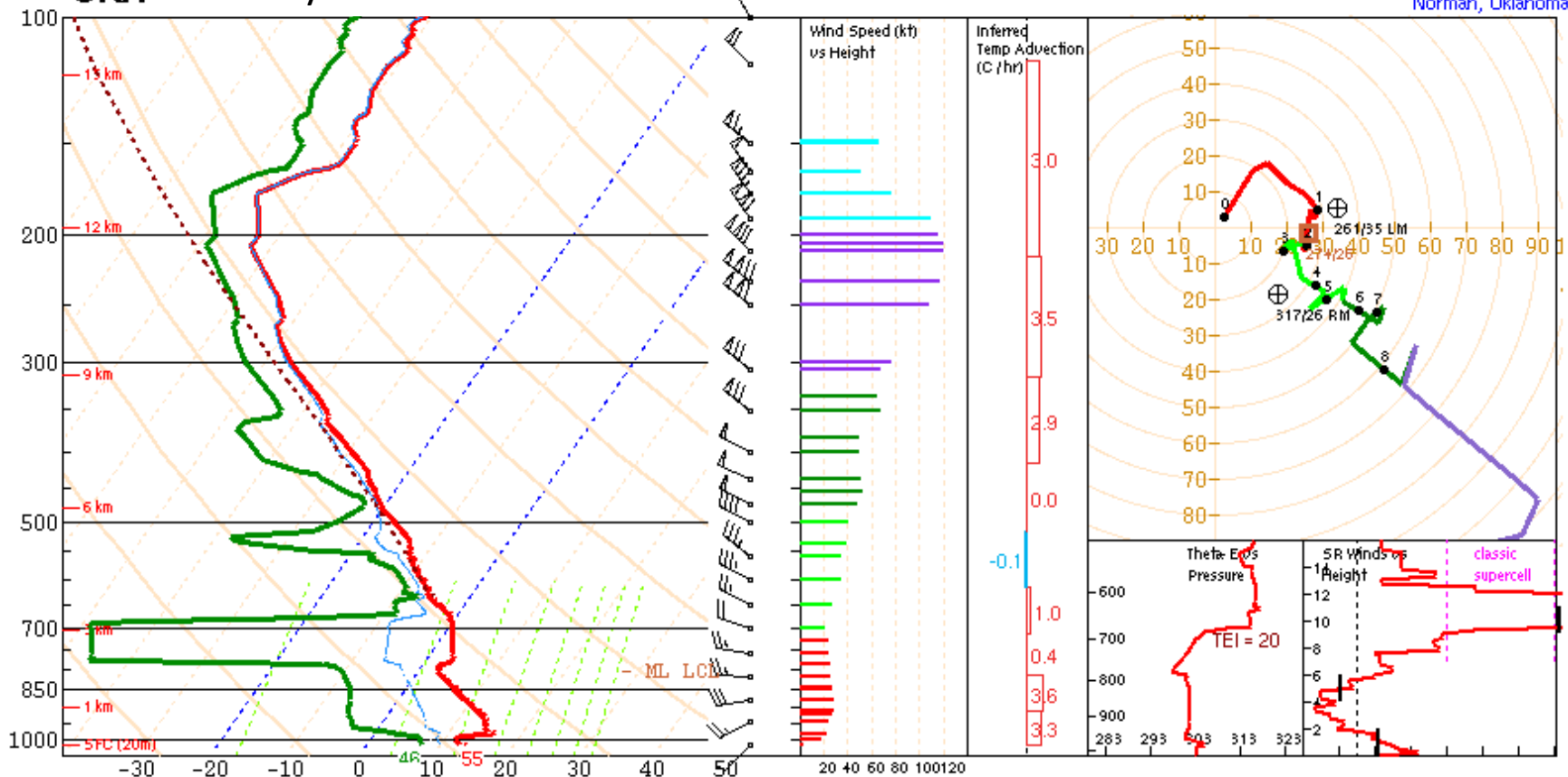


PARCEL	CAPE	CINH	LCL	LI	LFC	EL	SRH(m2/s2)	Shear(kt)	MnWind	SRW	*** BEST GUESS PRECIP TYPE ***	
SURFACE	1	-2	141m	1	306m	1432'	SFC - 1 km	354	17	107/21	74/76	<b>Rain.</b> Based on sfc temperature of 60.1 F.
MIXED LAYER	0	-333	910m	0	5746m	19275'	SFC - 3 km	570	72	199/21	82/47	
FCST SURFACE	656	-15	1717m	-4	2393m	37743'	Eff Inflow Layer	54	10	223/45	105/24	
MU (768 mb)	1106	-0	1902m	-5	2011m	38559'	SFC - 6 km		89	218/32	88/34	<b>SARS - Sounding Analogs</b>
PW = 1.23 .in	3CAPE = 0 J/kg		WBZ = 10456'		WNDG = 0.0		Lower Half Storm Depth		32	229/56	131/15	
K = 31	DCAPE = 403 J/kg		FZL = 10893'		ESP = 0.0		Cloud Bearing Layer		10	227/56	131/18	
MidRH = 85%	DownT = 59 F		ConvT = 83F		MMP = 0.96		BRN Shear = 369 m/s²					
LowRH = 77%	MeanW = 9.4 g/kg		MaxT = 79F		NCAPE = 0.00		4-6km SR Wind = 127/12 kt					
SigSevere = 15 m3/s3							..... Storm Motion Vectors.....					
Sfc-3km Agl Lapse Rate = 5.0 C/km							Bunkers Right = 243/60 kt					
3-6km Agl Lapse Rate = 7.1 C/km							Bunkers Left = 215/58 kt					
850-500mb Lapse Rate = 6.7 C/km							Corfidi Downshear = 235/106 kt					
700-500mb Lapse Rate = 7.0 C/km							Corfidi Upshear = 243/54 kt					
												No Quality Matches
												No Quality Matches
												SARS: 0% SIG

**Supercell = 1.0**  
**Left Supercell = -0.2**  
**Sig Tor (CIN) = 0.0**  
**Sig Tor (fixed) = 0.0**  
**Sig Hail = 0.7**



# OKX 00Z Day 2



PARCEL	CAPE	CINH	LCL	LI	LFC	EL
SURFACE	0	0	641m	10	M	2101'
MIXED LAYER	0	0	1952m	10	M	6401'
FCST SURFACE	0	0	2569m	7	M	8426'
MU (634 mb)	0	0	4045m	1	M	13266'
PW = 0.49 in		3CAPE = 0 J/kg	WBZ = 5424'		WNDG = 0.0	
K = -32		DCAPE = 441 J/kg	FZL = 10679'		ESP = 0.0	
MidRH = 10%		DownT = 49 F	ConvT = 93F		MMP = 0.92	
LowRH = 41%		MeanW = 4.3 g/kg	MaxT = 73F		NCAPE = 0.00	
SigSevere = 0 m3/s3						
Sfc-3km Agl Lapse Rate = 4.3 C/km						
3-6km Agl Lapse Rate = 7.0 C/km						
850-500mb Lapse Rate = 5.8 C/km						
700-500mb Lapse Rate = 6.8 C/km						
<b>Supercell = 0.0</b> <b>Left Supercell = 0.0</b> <b>Sig Tor (CIN) = 0.0</b> <b>Sig Tor (fixed) = 0.0</b> <b>Sig Hail = 0.0</b>						

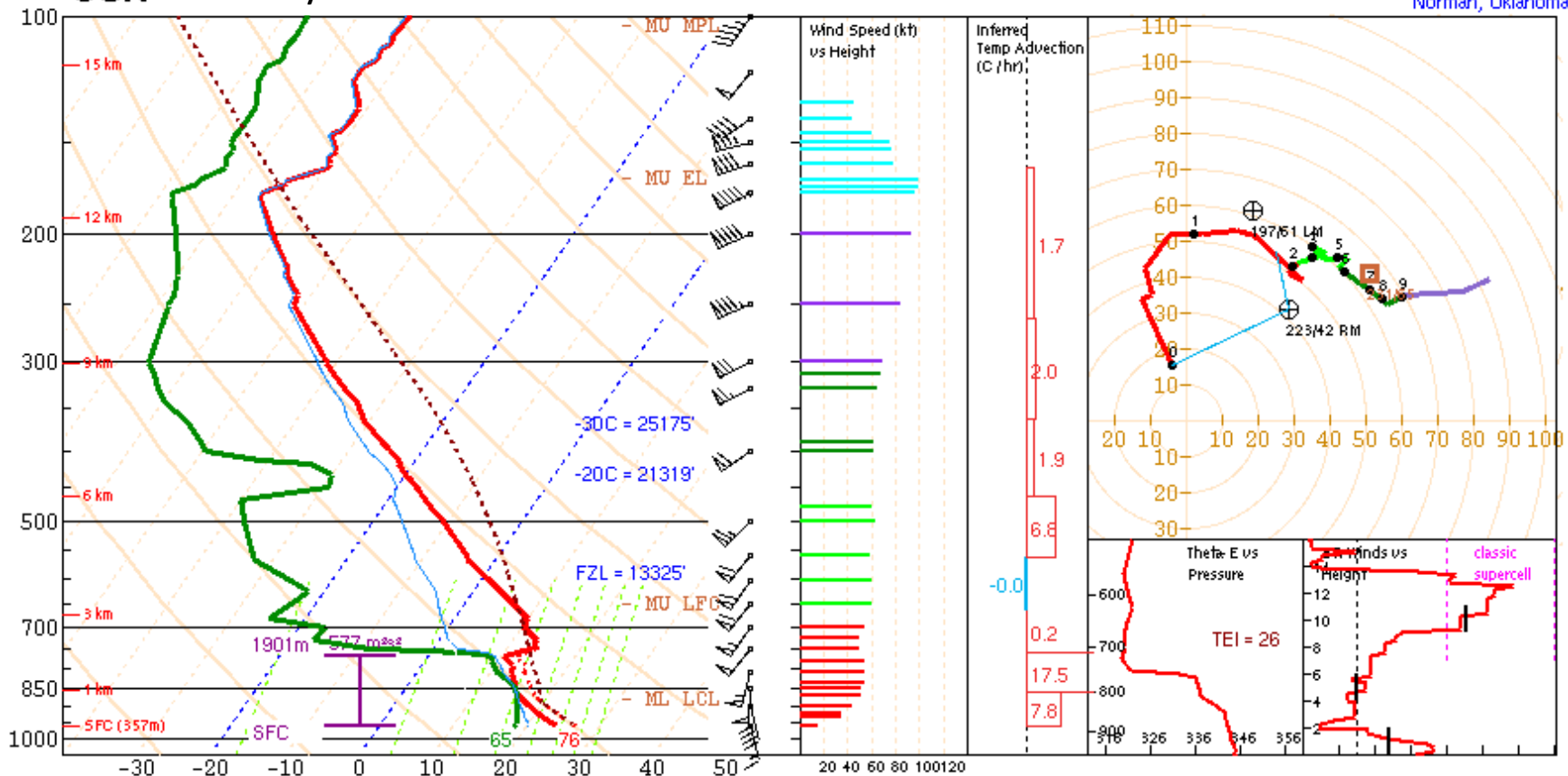
	SRH(m2/s2)	Shear(kt)	MnWind	SRW
SFC - 1 km	261	26	241/23	185/30
SFC - 3 km	246	19	263/23	193/22
SFC - 6 km		47	280/25	206/16
BRN Shear = 56 m/s²				
4-6km SR Wind = 278/15 kt				
..... Storm Motion Vectors.....				
Bunkers Right =		317/26 kt		
Bunkers Left =		261/35 kt		
Corfidi Downshear =		315/69 kt		
Corfidi Upshear =		335/32 kt		



1km & 6km AGL  
Wind Barbs

*** BEST GUESS PRECIP TYPE ***	
<b>None.</b>	
Based on sfc temperature of 55.0 F.	
SARS - Sounding Analogs	
SUPERCCELL	SGFNT HAIL
No Quality Matches	No Quality Matches





PARCEL	CAPE	CINH	LCL	LI	LFC	EL
SURFACE	2538	-50	754m	-6	3364m	41900'
MIXED LAYER	2452	-56	767m	-6	3428m	41308'
FCST SURFACE	3112	-12	1098m	-7	3100m	41542'
MU (958 mb)	2732	-36	664m	-6	3301m	41900'


PW = 1.13 in	3CAPE = 33 J/kg	WBZ = 8773'	WNDG = 0.0
K = 14	DCAPE = 760 J/kg	FZL = 13325'	ESP = 0.0
MidRH = 28%	DownT = 56 F	ConvT = 84F	MMP = 1.00
LowRH = 88%	MeanW = 13.8 g/kg	MaxT = 81F	NCAPE = 0.27
SigSevere = 75059 m3/s3			
Sfc-3km Agl Lapse Rate = 5.8 C/km			
3-6km Agl Lapse Rate = 8.4 C/km			
850-500mb Lapse Rate = 6.4 C/km			
700-500mb Lapse Rate = 7.9 C/km			

<b>Supercell = 31.5</b>
<b>Left Supercell = 13.5</b>
<b>Sig Tor (CIN) = 9.0</b>
<b>Sig Tor (fixed) = 7.5</b>
<b>Sig Hail = 2.2</b>

	SRH(m2/s2)	Shear(kt)	MnWind	SRW
SFC - 1 km	449	37	171/43	108/37
SFC - 3 km	599	53	194/45	126/22
Eff Inflow Layer	577	44	183/45	119/29
SFC - 6 km		59	204/48	147/16
Lower Half Storm Depth		59	206/48	150/14
Cloud Bearing Layer		83	217/56	202/15
BRN Shear = 137 m/s²				
4-6km SR Wind = 230/20 kt				
..... Storm Motion Vectors.....				
Bunkers Right =			223/42 kt	
Bunkers Left =			197/61 kt	
Corfidi Downshear =			244/89 kt	
Corfidi Upshear =			275/40 kt	



1km & 6km AGL  
Wind Barbs

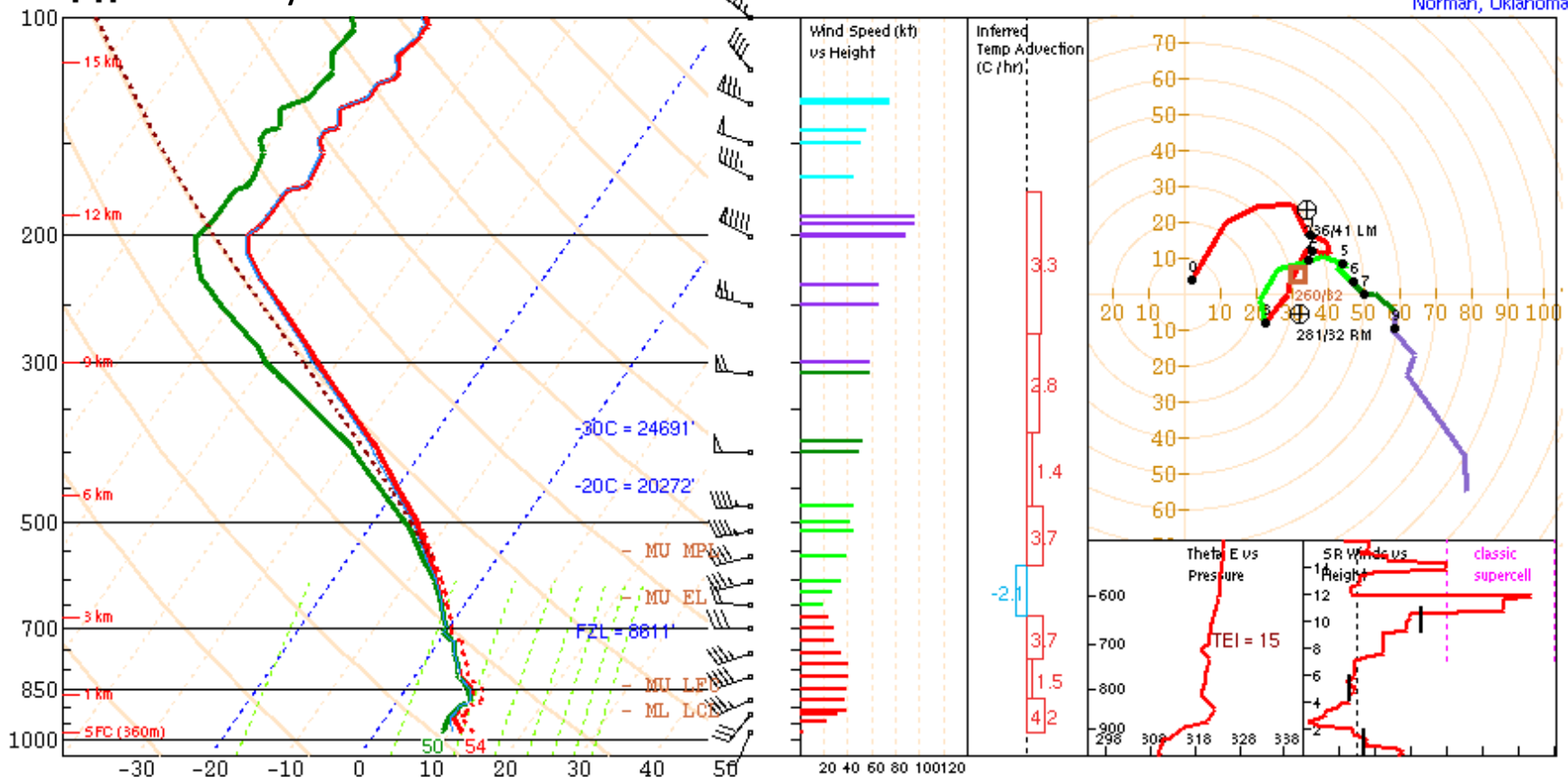
\*\*\* BEST GUESS PRECIP TYPE \*\*\*

**Rain.**  
Based on sfc temperature of 75.9 F.

SARS - Sounding Analogs	
SUPERCCELL	SGFNT HAIL
99050408.JCT SIG	95082300.INL 3.00
(25 loose matches) SARS: 76% TOR	(22 loose matches) SARS: 82% SIG



# PIT 00Z Day 2



PARCEL	CAPE	CINH	LCL	LI	LFC	EL
SURFACE	0	0	305m	9	M	1002'
MIXED LAYER	0	0	567m	6	M	2010'
FCST SURFACE	32	0	1303m	2	1303m	10817'
MU (558 mb)	0	0	4614m	1	M	15134'
PW = 1.19 in		3CAPE = 0 J/kg	WBZ = 8611'		WNDG = 0.0	
K = 32		DCAPE = -39 J/kg	FZL = 8611'		ESP = 0.0	
MidRH = 99%		DownT = 57 F	ConvT = 69F		MMP = 0.56	
LowRH = 96%		MeanW = 8.1 g/kg	MaxT = 70F		NCAPE = 0.00	
SigSevere = 0 m3/s3						
Sfc-3km Agl Lapse Rate = 4.7 C/km						
3-6km Agl Lapse Rate = 6.0 C/km						
850-500mb Lapse Rate = 5.8 C/km						
700-500mb Lapse Rate = 5.6 C/km						
<b>Supercell = 0.0</b>						
<b>Left Supercell = 0.0</b>						
<b>Sig Tor (CIN) = 0.0</b>						
<b>Sig Tor (fixed) = 0.0</b>						
<b>Sig Hail = 0.0</b>						

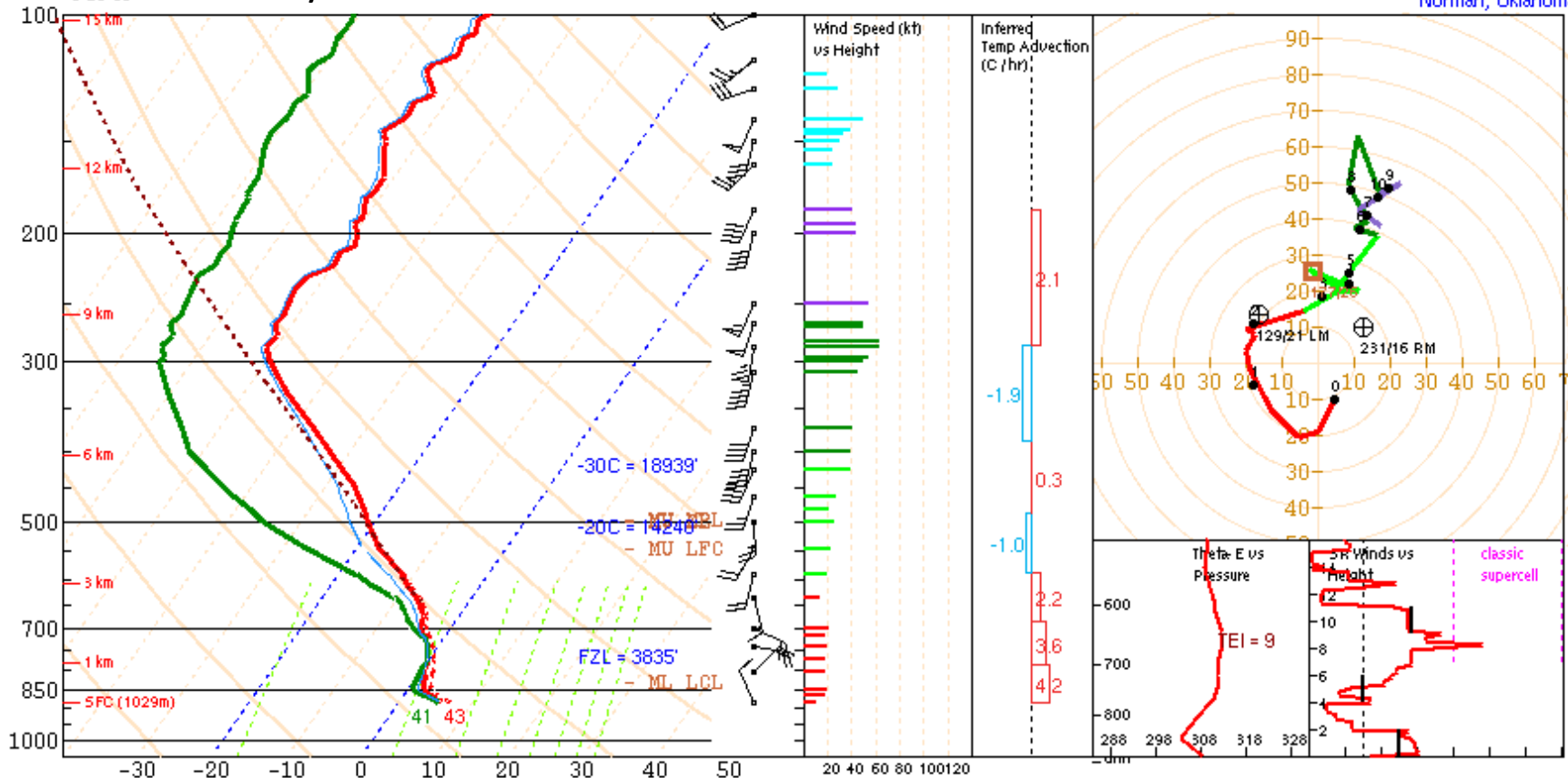
	SRH(m2/s2)	Shear(kt)	MnWind	SRW
SFC - 1 km	355	36	231/30	162/26
SFC - 3 km	342	20	248/31	171/18
SFC - 6 km		48	253/33	178/15
BRN Shear = 47 m/s²				
4-6km SR Wind = 223/18 kt				
..... Storm Motion Vectors.....				
Bunkers Right =	281/32 kt			
Bunkers Left =	236/41 kt			
Corfidi Downshear =	281/56 kt			
Corfidi Upshear =	317/19 kt			



1km & 6km AGL  
Wind Barbs

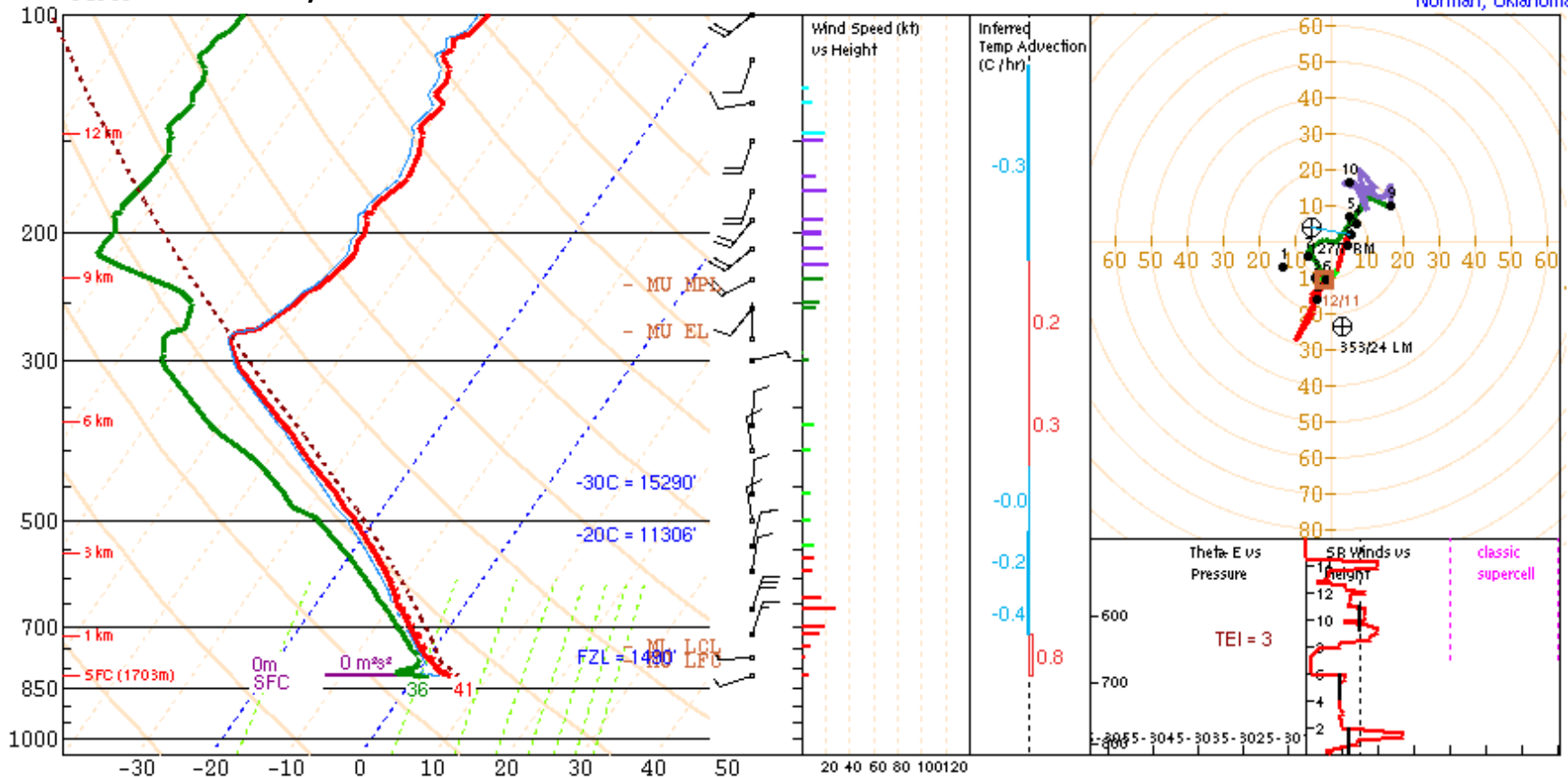
*** BEST GUESS PRECIP TYPE ***	
<b>Rain.</b>	
Based on sfc temperature of 54.0 F.	
SARS - Sounding Analogs	
SUPERCCELL	SGFNTHAIL
No Quality Matches	No Quality Matches

# RAP 00Z Day 2



PARCEL	CAPE	CIN	LCL	LI	LFC	EL	SRH(m2/s2)	Shear(kt)	MnWind	SRW	*** BEST GUESS PRECIP TYPE ***					
SURFACE	20	0	127m	3	127m	2789'	SFC - 1 km	250	25	37/16	44/32	<b>Rain.</b> Based on sfc temperature of 43.2 F.				
MIXED LAYER	0	0	491m	4	M	1768'	SFC - 3 km	418	30	98/9	68/24					
FCST SURFACE	11	-48	1143m	0	3848m	13456'	SFC - 6 km		48	157/9	85/16	<b>SARS - Sounding Analogs</b>				
MU (886 mb)	20	0	127m	3	127m	2789'	Cloud Bearing Layer		10	193/23	148/14		<table border="1"> <thead> <tr> <th>SUPERCCELL</th> <th>SGFNT HAIL</th> </tr> </thead> <tbody> <tr> <td>No Quality Matches</td> <td>No Quality Matches</td> </tr> </tbody> </table>	SUPERCCELL	SGFNT HAIL	No Quality Matches
SUPERCCELL	SGFNT HAIL															
No Quality Matches	No Quality Matches															
PW = 0.53 in    3CAPE = 0 J/kg    WBZ = 3833'    WNDG = 0.0 K = 24    DCAPE = 215 J/kg    FZL = 3835'    ESP = 0.0 MidRH = 71%    DownT = 43 F    ConvT = 43F    MMP = 0.69 LowRH = 96%    MeanW = 5.3 g/kg    MaxT = 54F    NCAPE = 0.00 SigSevere = 0 m3/s3							..... Storm Motion Vectors ..... Bunkers Right = 231/16 kt Bunkers Left = 129/21 kt Corfidi Downshear = 196/50 kt Corfidi Upshear = 205/31 kt					<p>1km &amp; 6km AGL Wind Barbs</p>				
Sfc-3km Agl Lapse Rate = 5.6 C/km 3-6km Agl Lapse Rate = 7.5 C/km 850-500mb Lapse Rate = 5.9 C/km 700-500mb Lapse Rate = 6.9 C/km							<b>Supercell = 0.0</b> <b>Left Supercell = 0.0</b> <b>Sig Tor (CIN) = 0.0</b> <b>Sig Tor (fixed) = 0.0</b> <b>Sig Hail = 0.0</b>									

# RIW 00Z Day 2

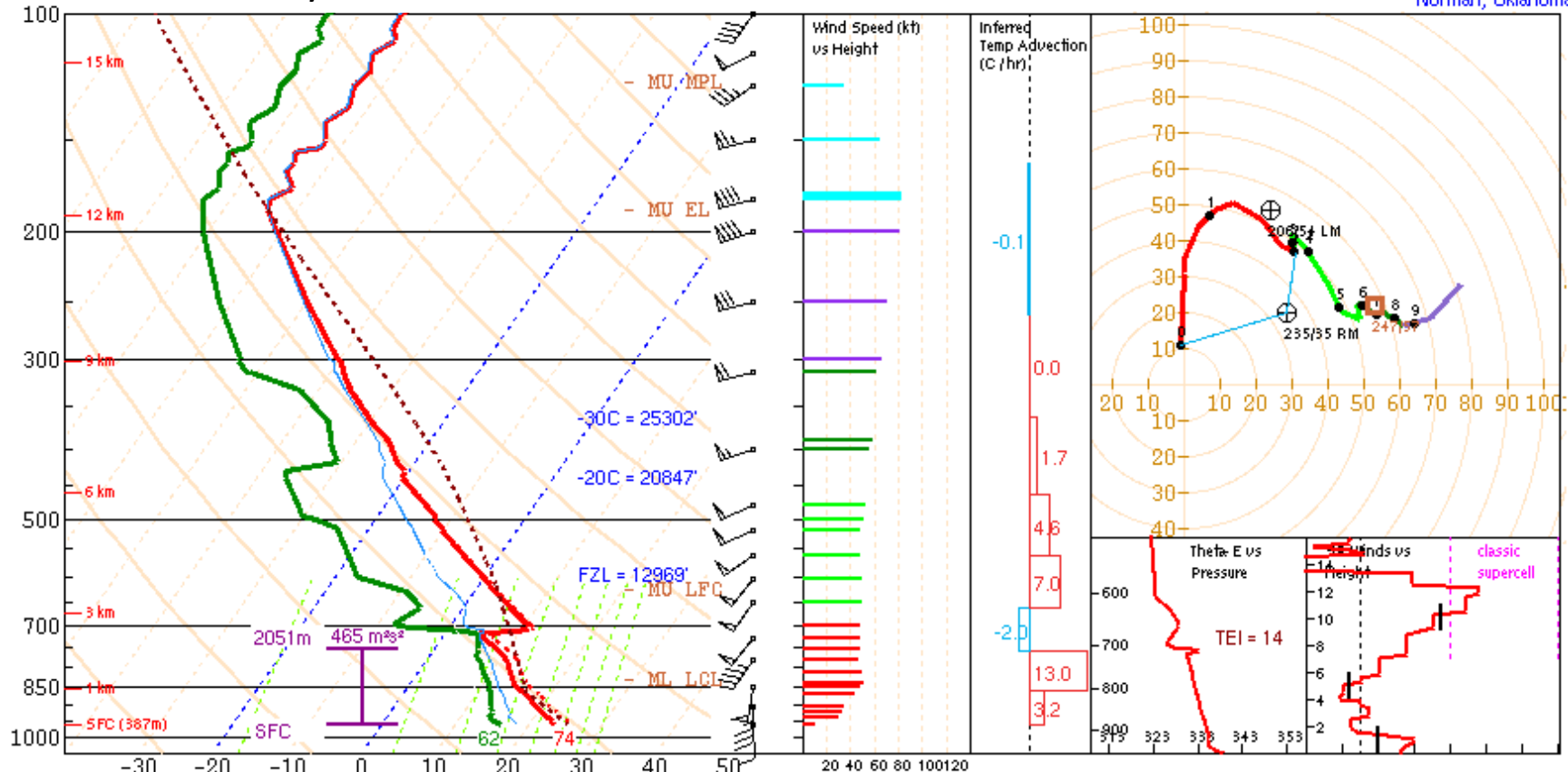


PARCEL	CAPE	CINH	LCL	LI	LFC	EL	SRH(m2/s2)	Shear(kt)	MnWind	SRW	*** BEST GUESS PRECIP TYPE ***		
SURFACE	412	0	372m	-1	372m	25780'	SFC - 1 km	65	20	353/6	328/12	<b>Rain.</b> Based on sfc temperature of 41.4 F.	
MIXED LAYER	0	0	702m	2	M	2302'	SFC - 3 km	48	15	11/11	347/16		
FCST SURFACE	450	0	1160m	-1	1160m	25709'	Eff Inflow Layer	0	0	250/6	281/12		
MU (818 mb)	412	0	372m	-1	372m	25780'	SFC - 6 km		13	7/10	342/15	<b>SARS - Sounding Analogs</b>	
PW = 0.37 in	3CAPE = 0 J/kg		WBZ = 1243'		WNDG = 0.0		Lower Half Storm Depth		13	9/11	345/15		<b>SUPERCELL</b>
K = M	DCAPE = 62 J/kg		FZL = 1490'		ESP = 0.0		Cloud Bearing Layer		10	12/11	347/15	No Quality Matches	No Quality Matches
MidRH = 73%	DownT = 35 F		ConvT = 42F		MMP = 0.05		BRN Shear = 14 m²/s²						
LowRH = 83%	MeanW = 4.3 g/kg		MaxT = 47F		NCAPE = 0.00		4-6km SR Wind = 336/14 kt						
SigSevere = 0 m3/s3							..... Storm Motion Vectors.....						
Sfc-3km Agl Lapse Rate = 7.6 C/km							Bunkers Right = 127/7 kt						
3-6km Agl Lapse Rate = 8.4 C/km							Bunkers Left = 353/24 kt						
850-500mb Lapse Rate = M							Corfidi Downshear = 999/9999 kt						
700-500mb Lapse Rate = 7.0 C/km							Corfidi Upshear = 45/1346 kt						
												SARS: 0% TOR	SARS: 0% SIG

**Supercell = 0.0**  
**Left Supercell = 0.0**  
**Sig Tor (CIN) = 0.0**  
**Sig Tor (fixed) = 0.0**  
**Sig Hail = 0.0**

1km & 6km AGL  
Wind Barbs

# SGF 00Z Day 2



PARCEL	CAPE	CINH	LCL	LI	LFC	EL
SURFACE	1320	-100	899m	-4	3628m	39749'
MIXED LAYER	772	-160	1236m	-3	4063m	38383'
FCST SURFACE	1392	-66	1585m	-5	3628m	40294'
MU (961 mb)	1320	-100	899m	-4	3628m	39749'

PW = 1.17 in	3CAPE = 15 J/kg	WBZ = 10656'	WNDG = 0.0
K = 21	DCAPE = 1042 J/kg	FZL = 12969'	ESP = 0.0
MidRH = 55%	DownT = 58 F	ConvT = 95F	MMP = 0.98
LowRH = 70%	MeanW = 10.9 g/kg	MaxT = 81F	NCAPE = 0.10
SigSevere = 21931 m3/s3			
Sfc-3km Agl Lapse Rate = 5.7 C/km			
3-6km Agl Lapse Rate = 8.5 C/km			
850-500mb Lapse Rate = 6.6 C/km			
700-500mb Lapse Rate = 8.5 C/km			

<b>Supercell = 12.3</b>
<b>Left Supercell = 5.1</b>
<b>Sig Tor (CIN) = 0.4</b>
<b>Sig Tor (fixed) = 2.6</b>
<b>Sig Hail = 1.1</b>

	SRH(m2/s2)	Shear(kt)	MnWind	SRW
SFC - 1 km	325	38	184/38	125/31
SFC - 3 km	454	43	203/42	146/22
Eff Inflow Layer	465	41	198/41	140/25
SFC - 6 km		55	214/42	161/16
Lower Half Storm Depth		55	214/42	161/16
Cloud Bearing Layer		77	229/50	216/16
BRN Shear = 73 m2/s2				
4-6km SR Wind = 260/17 kt				
..... Storm Motion Vectors.....				
Bunkers Right =	235/35 kt			
Bunkers Left =	206/54 kt			
Corfidi Downshear =	256/77 kt			
Corfidi Upshear =	288/36 kt			

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

**None.**  
Based on sfc temperature of 74.1 F.

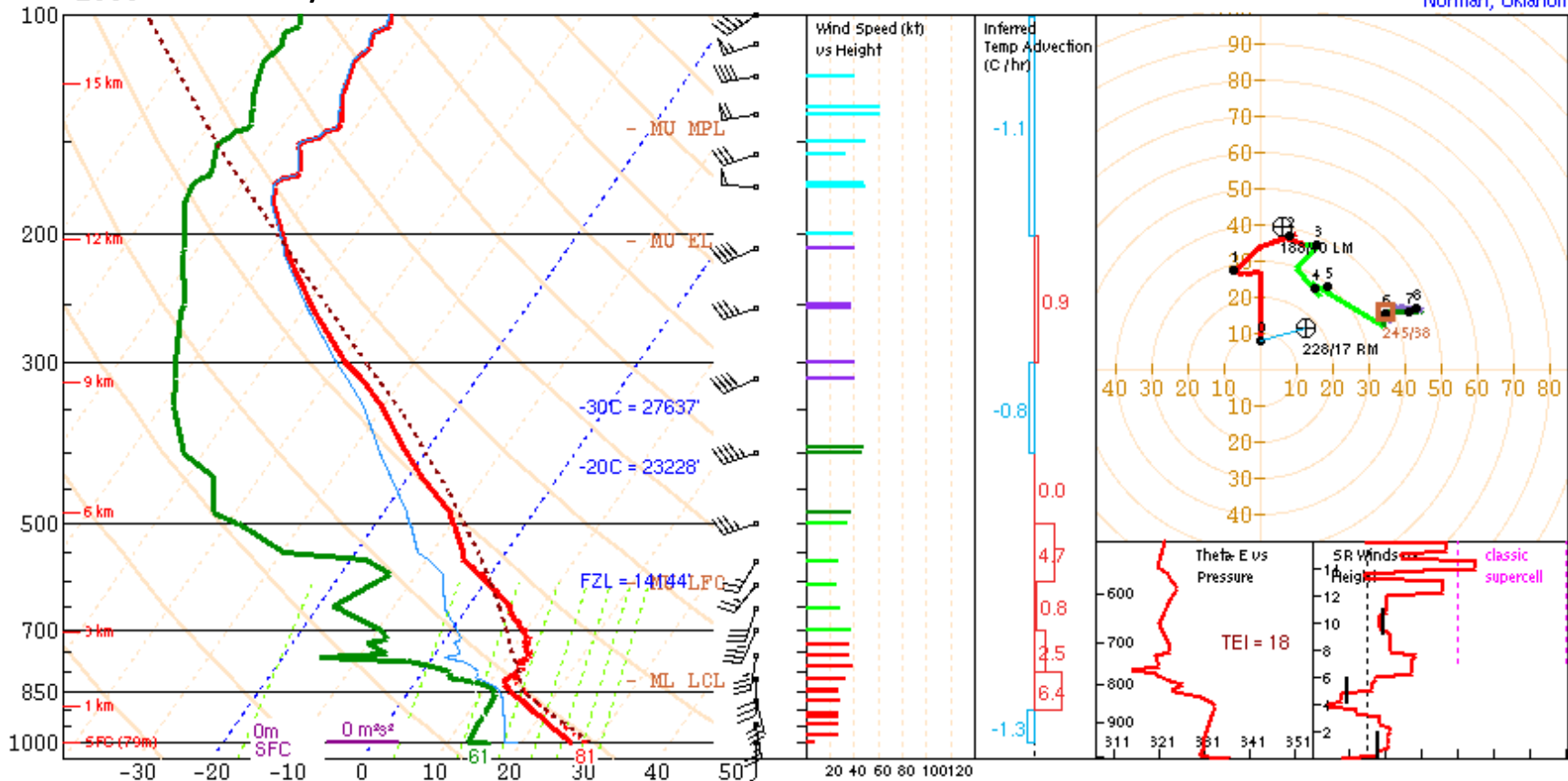
**SARS - Sounding Analogs**

SUPERCCELL	SGFNT HAIL
No Quality Matches	No Quality Matches

(7 loose matches) SARS: 57% TOR  
(6 loose matches) SARS: 67% SIG



# SHV 00Z Day 2



PARCEL	CAPE	CINH	LCL	LI	LFC	EL
SURFACE	594	-155	1403m	-2	4255m	39225'
MIXED LAYER	1	-359	1701m	1	6852m	24339'
FCST SURFACE	224	-231	1962m	-0	6096m	36341'
MU (1001 mb)	594	-155	1403m	-2	4255m	39225'
PW = 1.04 in	3CAPE = 0 J/kg		WBZ = 10504'		WNDG = 0.0	
K = 16	DCAPE = 679 J/kg		FZL = 14144'		ESP = 0.0	
MidRH = 36%	DownT = 61 F		ConvT = 102F		MMP = 0.59	
LowRH = 56%	MeanW = 10.0 g/kg		MaxT = 85F		NCAPE = 0.00	
SigSevere = 20 m3/s3						
Sfc-3km Agl Lapse Rate = 6.2 C/km						
3-6km Agl Lapse Rate = 7.2 C/km						
850-500mb Lapse Rate = 5.9 C/km						
700-500mb Lapse Rate = 7.4 C/km						

**Supercell = 0.0**  
**Left Supercell = 0.0**  
**Sig Tor (CIN) = 0.0**  
**Sig Tor (fixed) = 0.1**  
**Sig Hail = 0.1**

SRH(m2/s2)	Shear(kt)	MnWind	SRW
SFC - 1 km	38	21	170/26
SFC - 3 km	206	31	181/30
Eff Inflow Layer	0	0	180/8
SFC - 6 km		35	195/27
Lower Half Storm Depth		35	195/27
Cloud Bearing Layer		48	220/32
BRN Shear = 12 m2/s2			
4-6km SR Wind = 244/14 kt			
..... Storm Motion Vectors.....			
Bunkers Right = 228/17 kt			
Bunkers Left = 188/40 kt			
Corfidi Downshear = 249/55 kt			
Corfidi Upshear = 277/29 kt			

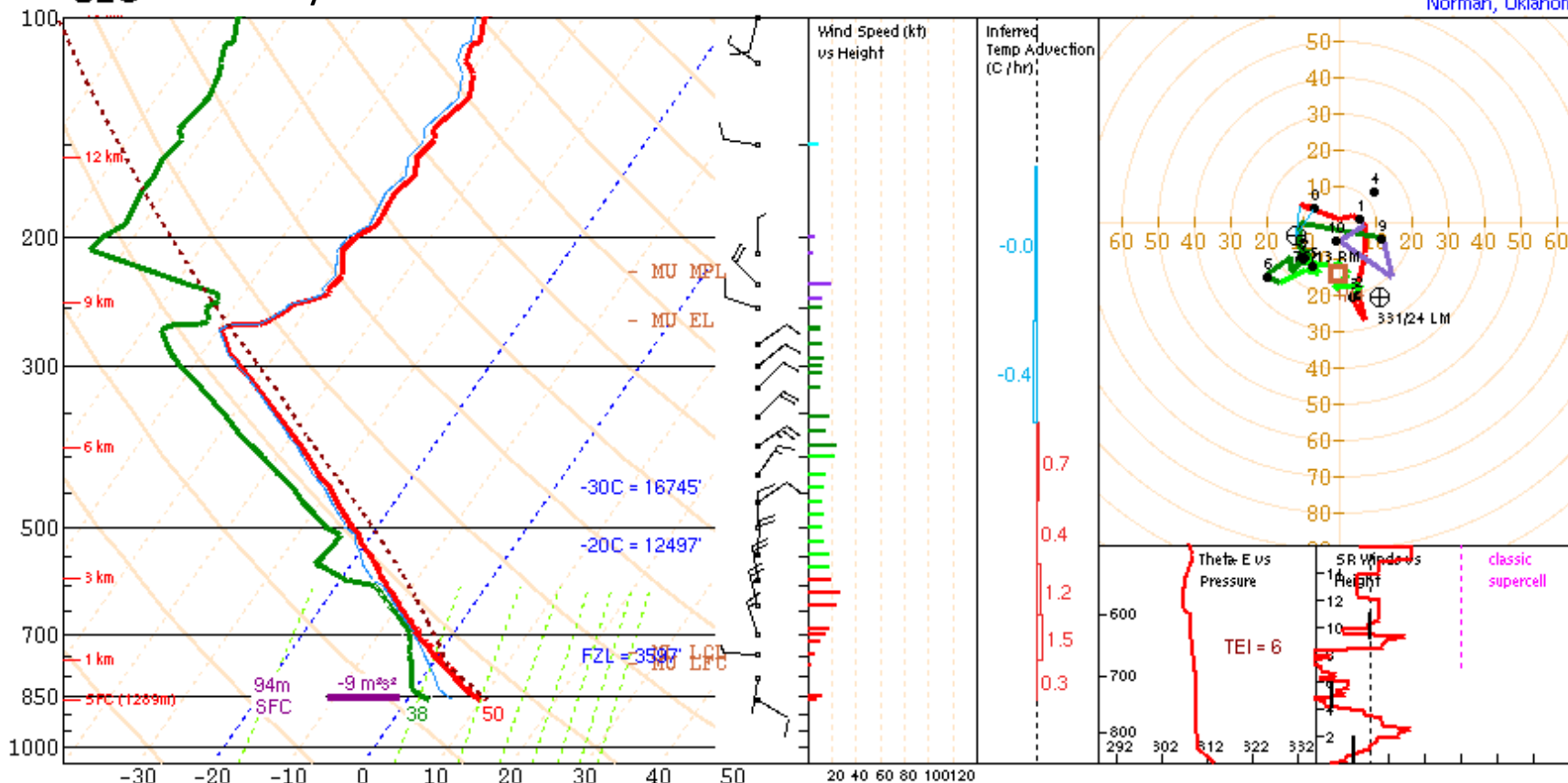


\*\*\* BEST GUESS PRECIP TYPE \*\*\*

**None.**  
Based on sfc temperature of 81.0 F.

SARS - Sounding Analogs	
SUPERCCELL	SGFNT HAIL
No Quality Matches	No Quality Matches
(1 loose matches) SARS: 0% TOR	(3 loose matches) SARS: 0% SIG

# SLC 00Z Day 2



PARCEL	CAPE	CINH	LCL	LI	LFC	EL
SURFACE	661	0	864m	-3	916m	28331'
MIXED LAYER	97	-11	1183m	-1	6730m	26763'
FCST SURFACE	634	0	1502m	-3	1502m	28331'
MU (860 mb)	661	0	864m	-3	916m	28331'

PW = 0.45 in	3CAPE = 34 J/kg	WBZ = 2807'	WNDG = 0.0
K = 34	DCAPE = 283 J/kg	FZL = 3597'	ESP = 0.0
MidRH = 77%	DownT = 39 F	ConvT = 51F	MMP = 0.26
LowRH = 71%	MeanW = 4.6 g/kg	MaxT = 55F	NCAPE = 0.07
SigSevere = 1135 m3/s3			
Sfc-3km Agl Lapse Rate = 8.4 C/km			
3-6km Agl Lapse Rate = 7.8 C/km			
850-500mb Lapse Rate = 8.1 C/km			
700-500mb Lapse Rate = 7.5 C/km			

<b>Supercell = -0.0</b>
<b>Left Supercell = -0.0</b>
<b>Sig Tor (CIN) = -0.0</b>
<b>Sig Tor (fixed) = 0.0</b>
<b>Sig Hail = 0.0</b>

	SRH(m2/s2)	Shear(kt)	MnWind	SRW
SFC - 1 km	33	15	218/2	250/14
SFC - 3 km	118	25	338/10	291/17
Eff Inflow Layer	-9	4	117/10	202/8
SFC - 6 km		23	356/11	300/15
Lower Half Storm Depth		15	343/11	295/17
Cloud Bearing Layer		6	0/13	309/16
BRN Shear = 22 m2/s2				
4-6km SR Wind = 344/9 kt				
..... Storm Motion Vectors.....				
Bunkers Right = 75/13 kt				
Bunkers Left = 331/24 kt				
Corfidi Downshear = 19/23 kt				
Corfidi Upshear = 27/11 kt				

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

**Rain.**  
Based on sfc temperature of 50.4 F.

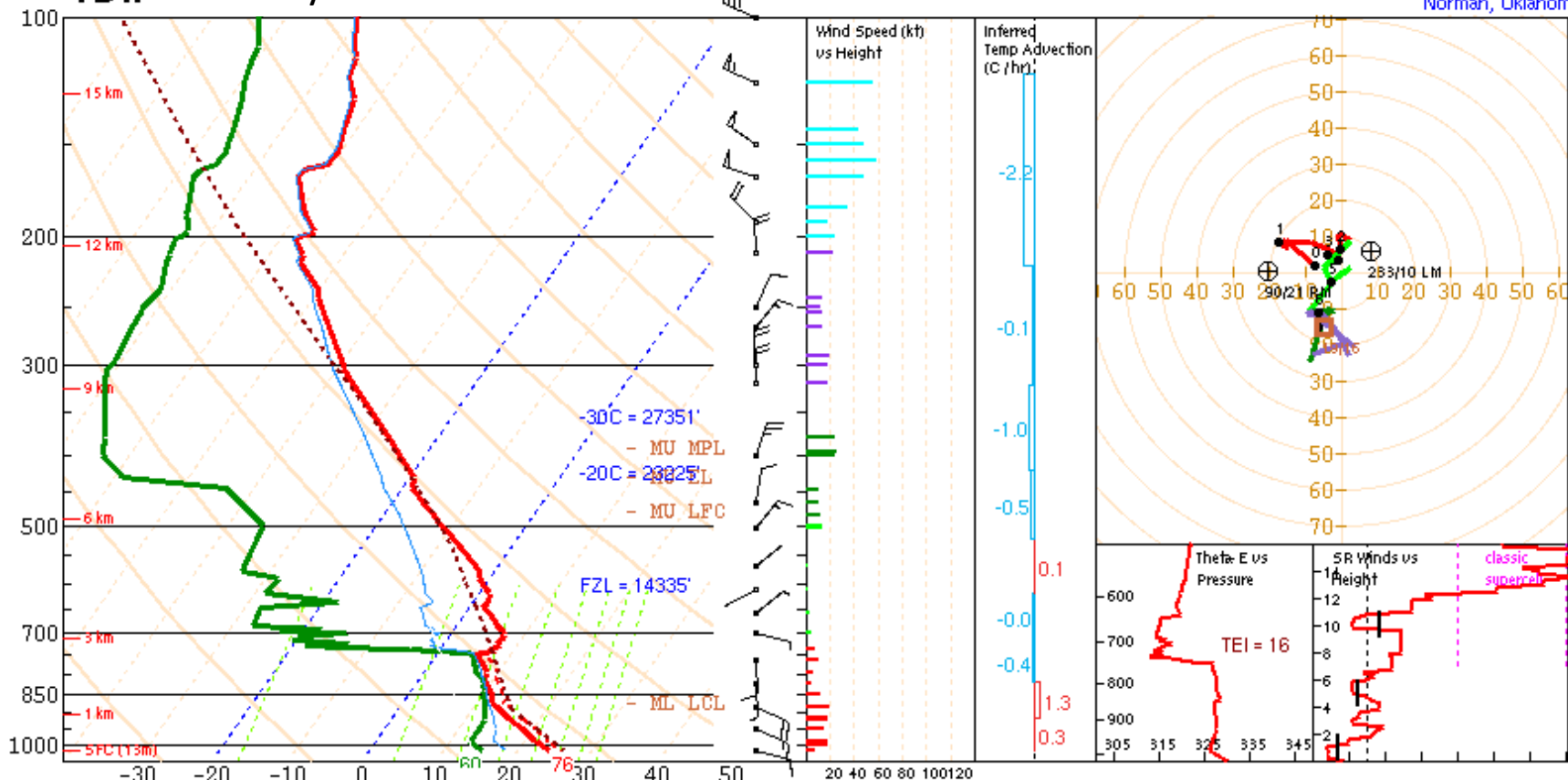
**SARS - Sounding Analogs**

SUPERCCELL	SGFNT HAIL
No Quality Matches	No Quality Matches
(2 loose matches) SARS: 50% TOR	(2 loose matches) SARS: 0% SIG



# TBW 00Z Day 2

NOAA/NWS Storm Prediction Center  
Norman, Oklahoma



PARCEL	CAPE	CINH	LCL	LI	LFC	EL
SURFACE	37	-204	1140m	0	6162m	23009'
MIXED LAYER	0	0	1315m	2	M	4314'
FCST SURFACE	19	-224	1576m	1	6388m	23009'
MU (1020 mb)	37	-204	1140m	0	6162m	23009'

PW = 1.12 in	3CAPE = 0 J/kg	WBZ = 9024'	WNDG = 0.0
K = 8	DCAPE = 746 J/kg	FZL = 14335'	ESP = 0.0
MidRH = 38%	DownT = 58 F	ConvT = 91F	MMP = 0.04
LowRH = 71%	MeanW = 10.0 g/kg	MaxT = 80F	NCAPE = 0.00
SigSevere = 0 m3/s3			
Sfc-3km Agl Lapse Rate = 6.3 C/km			
3-6km Agl Lapse Rate = 6.7 C/km			
850-500mb Lapse Rate = 5.6 C/km			
700-500mb Lapse Rate = 6.9 C/km			

<b>Supercell = 0.0</b>
<b>Left Supercell = 0.0</b>
<b>Sig Tor (CIN) = 0.0</b>
<b>Sig Tor (fixed) = -0.0</b>
<b>Sig Hail = 0.0</b>

	SRH(m2/s2)	Shear(kt)	MnWind	SRW
SFC - 1 km	-32	12	116/17	215/9
SFC - 3 km	35	3	130/12	238/14
SFC - 6 km		13	119/8	254/14
Cloud Bearing Layer		33	111/4	266/17
BRN Shear = 10 m2/s2				
4-6km SR Wind = 287/17 kt				
..... Storm Motion Vectors.....				
Bunkers Right = 90/21 kt				
Bunkers Left = 233/10 kt				
Corfidi Downshear = 336/22 kt				
Corfidi Upshear = 320/18 kt				

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

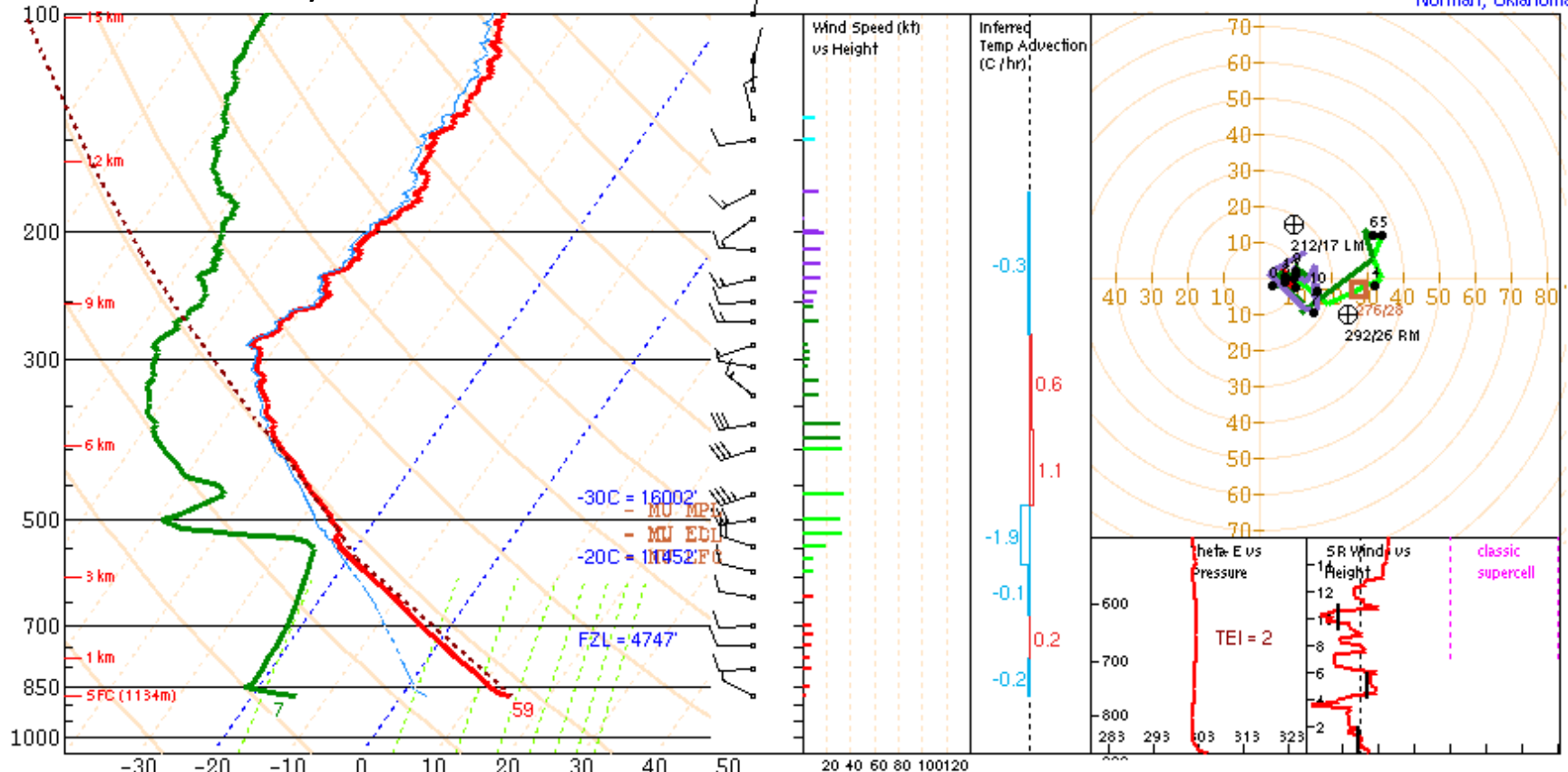
**Rain.**  
Based on sfc temperature of 76.3 F.

**SARS - Sounding Analogs**

SUPERCCELL	SGFNT HAIL
No Quality Matches	No Quality Matches



# TFX 00Z Day 2

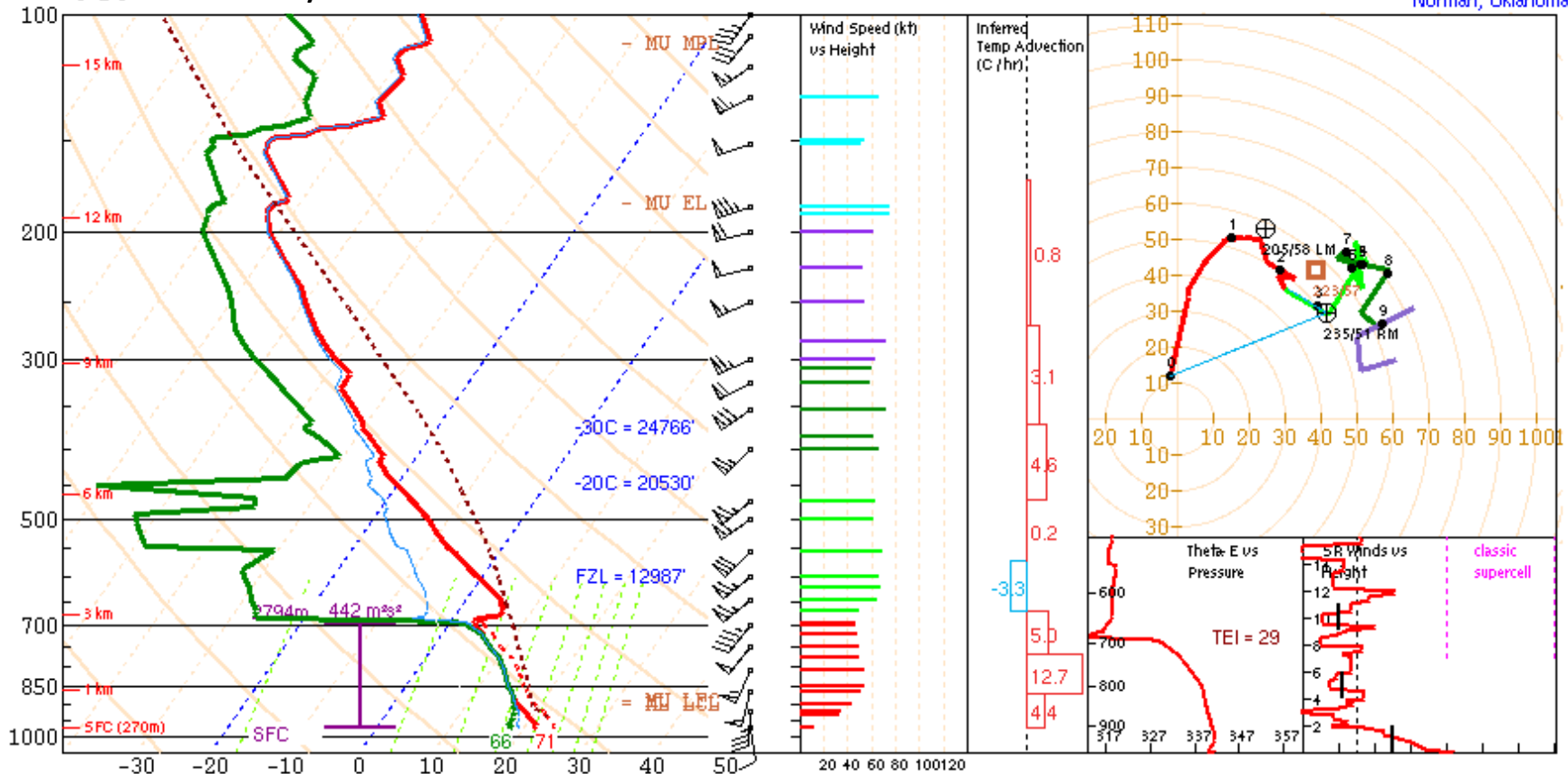


PARCEL	CAPE	CINH	LCL	LI	LFC	EL	SRH(m2/s2)	Shear(kt)	MnWind	SRW	*** BEST GUESS PRECIP TYPE ***	
SURFACE	20	0	3503m	0	3503m	13276'	SFC - 1 km	24	4	262/7	123/20	<b>Rain.</b> Based on sfc temperature of 59.0 F.
MIXED LAYER	0	0	3986m	2	M	13072'	SFC - 3 km	18	6	275/8	120/19	
FCST SURFACE	0	0	4211m	1	M	13812'	SFC - 6 km		30	264/15	140/15	<b>SARS - Sounding Analogs</b>
MU (877 mb)	20	0	3503m	0	3503m	13276'	Cloud Bearing Layer		17	276/28	203/8	
PW = 0.14 in	3CAPE = 0 J/kg		WBZ = 1353'		WNDG = 0.0		BRN Shear = 7 m2/s2					No Quality Matches
K = -3	DCAPE = 673 J/kg		FZL = 4747'		ESP = 0.0		4-6km SR Wind = 202/22 kt					
MidRH = 42%	DownT = 37 F		ConvT = 63F		MMP = 0.12		..... Storm Motion Vectors.....					
LowRH = 11%	MeanW = 1.0 g/kg		MaxT = 61F		NCAPE = 0.00		Bunkers Right = 292/26 kt					
SigSevere = 0 m3/s3							Bunkers Left = 212/17 kt					
Sfc-3km Agl Lapse Rate = 10.0 C/km							Corfidi Downshear = 265/25 kt					
3-6km Agl Lapse Rate = 8.3 C/km							Corfidi Upshear = 263/9 kt					
850-500mb Lapse Rate = 9.1 C/km												
700-500mb Lapse Rate = 8.8 C/km												

**Supercell = 0.0**  
**Left Supercell = 0.0**  
**Sig Tor (CIN) = 0.0**  
**Sig Tor (fixed) = 0.0**  
**Sig Hail = 0.0**



# TOP 00Z Day 2



PARCEL	CAPE	CINH	LCL	LI	LFC	EL
SURFACE	2133	-16	357m	-6	827m	40297'
MIXED LAYER	2088	-2	638m	-6	827m	40655'
FCST SURFACE	2961	0	1054m	-8	1054m	40631'
MU (937 mb)	2184	-2	592m	-6	740m	40297'
PW = 1.30 .in	3CAPE = 131 J/kg		WBZ = 9338'		WNDG = 0.0	
K = 40	DCAPE = 843 J/kg		FZL = 12987'		ESP = 0.0	
MidRH = 36%	DownT = 56 F		ConvT = 74F		MMP = 0.99	
LowRH = 92%	MeanW = 13.5 g/kg		MaxT = 80F		NCAPE = 0.18	
SigSevere = 64422 m3/s3						
Sfc-3km Agl Lapse Rate = 6.0 C/km						
3-6km Agl Lapse Rate = 8.0 C/km						
850-500mb Lapse Rate = 6.7 C/km						
700-500mb Lapse Rate = 6.6 C/km						

**Supercell = 19.3**  
**Left Supercell = 3.8**  
**Sig Tor (CIN) = 6.1**  
**Sig Tor (fixed) = 6.4**  
**Sig Hail = 1.7**

	SRH(m2/s2)	Shear(kt)	MnWind	SRW
SFC - 1 km	450	44	190/40	107/36
SFC - 3 km	442	47	206/45	116/25
Eff Inflow Layer	442	47	203/44	116/27
SFC - 6 km		60	216/50	134/17
Lower Half Storm Depth		60	216/50	132/17
Cloud Bearing Layer		47	222/56	162/12
BRN Shear = 93 m2/s2				
4-6km SR Wind = 213/16 kt				
..... Storm Motion Vectors.....				
Bunkers Right = 235/51 kt				
Bunkers Left = 205/58 kt				
Corfidi Downshear = 243/85 kt				
Corfidi Upshear = 275/32 kt				



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

**Rain.**  
Based on sfc temperature of 70.9 F.

SARS - Sounding Analogs	
SUPERCCELL	SGFNT HAIL
03050900.C30 SIG	91032700.TOP 3.00
93050700.TOP SIG	90042900.AV5 1.75

(11 loose matches) SARS: 73% TOR  
 (33 loose matches) SARS: 76% SIG