Sounding Analysis Page

NWS / Storm Prediction Center
Norman, Oklahoma

Observed Radiosonde Data
07/10/2021 00 UTC

Click on any blue star to display that sounding

Choose another date/time period

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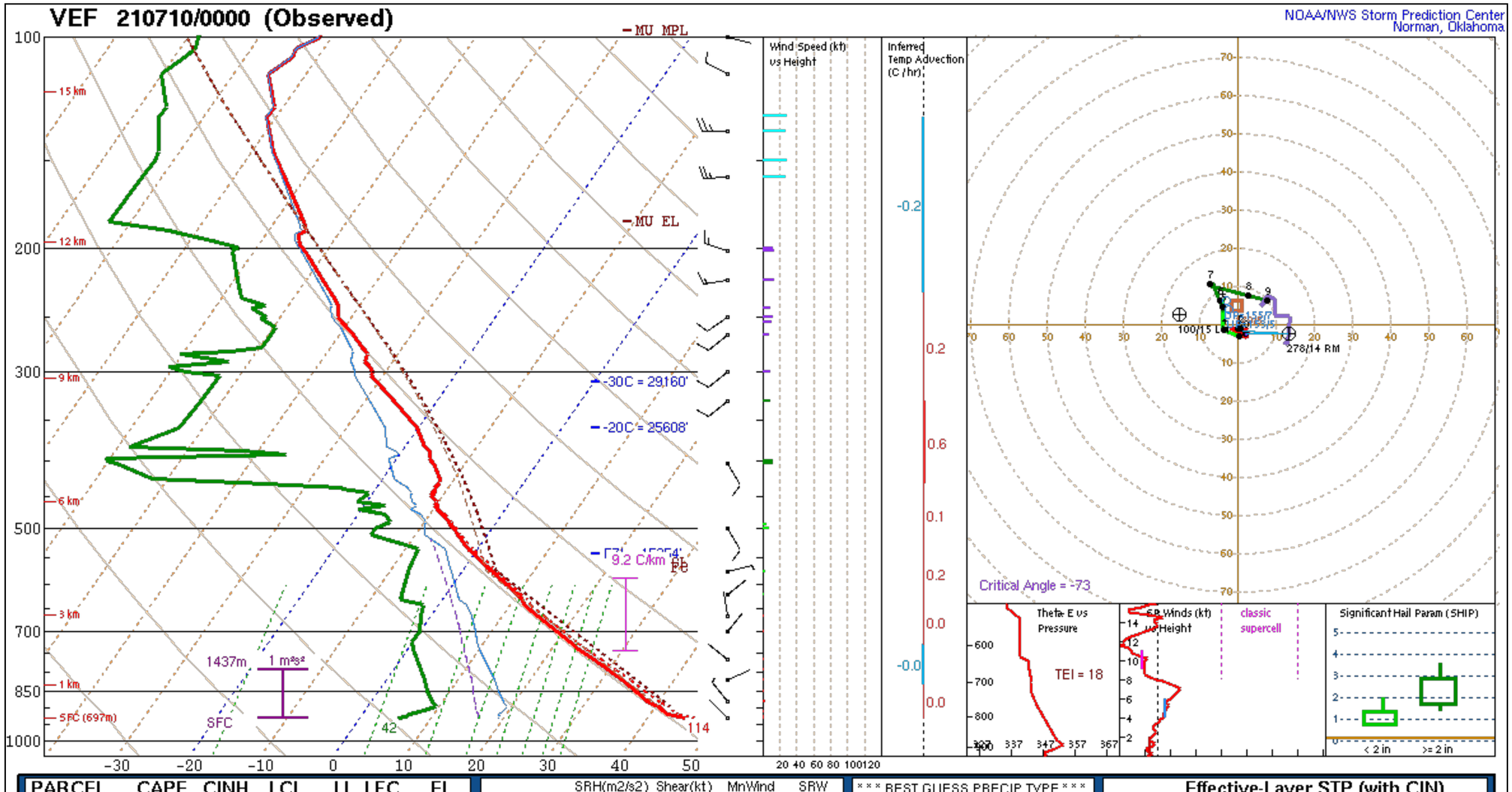
Contacts for this resource: John Hart and Rich Thompson



PARCEL	CAPE	CINH	LCL	LI	LFC	EL
SURFACE	148	0	4906m	-1	9685m	34533'
MIXED LAYER	503	-9	4430m	-2	4576m	39988'
FCST SURFACE	815	0	4635m	-3	4635m	40099'
MU (894 mb)	1065	-0	4209m	-4	4281m	40776'

PW = 1.01 .in	3CAPE = 0 J/kg	WBZ = 12894'	WNDG = 0.0
K = 29	DCAPE = 2369 J/kg	FZL = 15254'	ESP = 0.0
MidRH = 27%	DownT = 62 F	ConvT = 114F	MMP = 0.04
LowRH = 14%	MeanW = 7.5 g/kg	MaxT = 115F	NCAPE = 0.13
SigSevere = 2852 m3/s3			

Sfc-3km Agl Lapse Rate =	10.3 C/km
3-6km Agl Lapse Rate =	8.3 C/km
850-500mb Lapse Rate =	9.2 C/km
700-500mb Lapse Rate =	8.8 C/km

Supercell = 0.0
Left Supercell = -0.0
STP (eff layer) = 0.0
STP (fix layer) = 0.0
Sig Hail = 0.1

	SRH(m2/s2)	Shear(kt)	MnWind	SRW
SFC - 1 km	2	2	320/3	90/12
SFC - 3 km	-6	2	334/2	92/13
Eff Inflow Layer	1	1	327/2	91/12
SFC - 6 km		11	41/1	95/14
SFC - 8 km		10	116/1	99/15
LCL - EL (Cloud Layer)		14	173/7	122/17
Eff Shear (EBWD)		12	47/1	95/14

BRN Shear = 1 m²/s²
4-6km SR Wind = 106/18 kt

.....Storm Motion Vectors.....
Bunkers Right = 278/14 kt
Bunkers Left = 100/15 kt

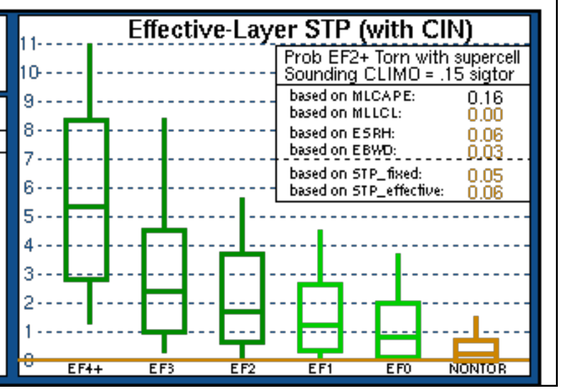
Corfidi Downshear = 155/7 kt
Corfidi Upshear = 153/5 kt

1km & 6km AGL Wind Barbs

*** BEST GUESS PRECIP TYPE ***
None.
Based on sfc temperature of 114.1 F.

SARS - Sounding Analogs

SUPERCELL	SGFNT HAIL
No Quality Matches	No Quality Matches
SARS: 0% TOR	(10 loose matches) SARS: 0% SIG



VEF Tabular Data