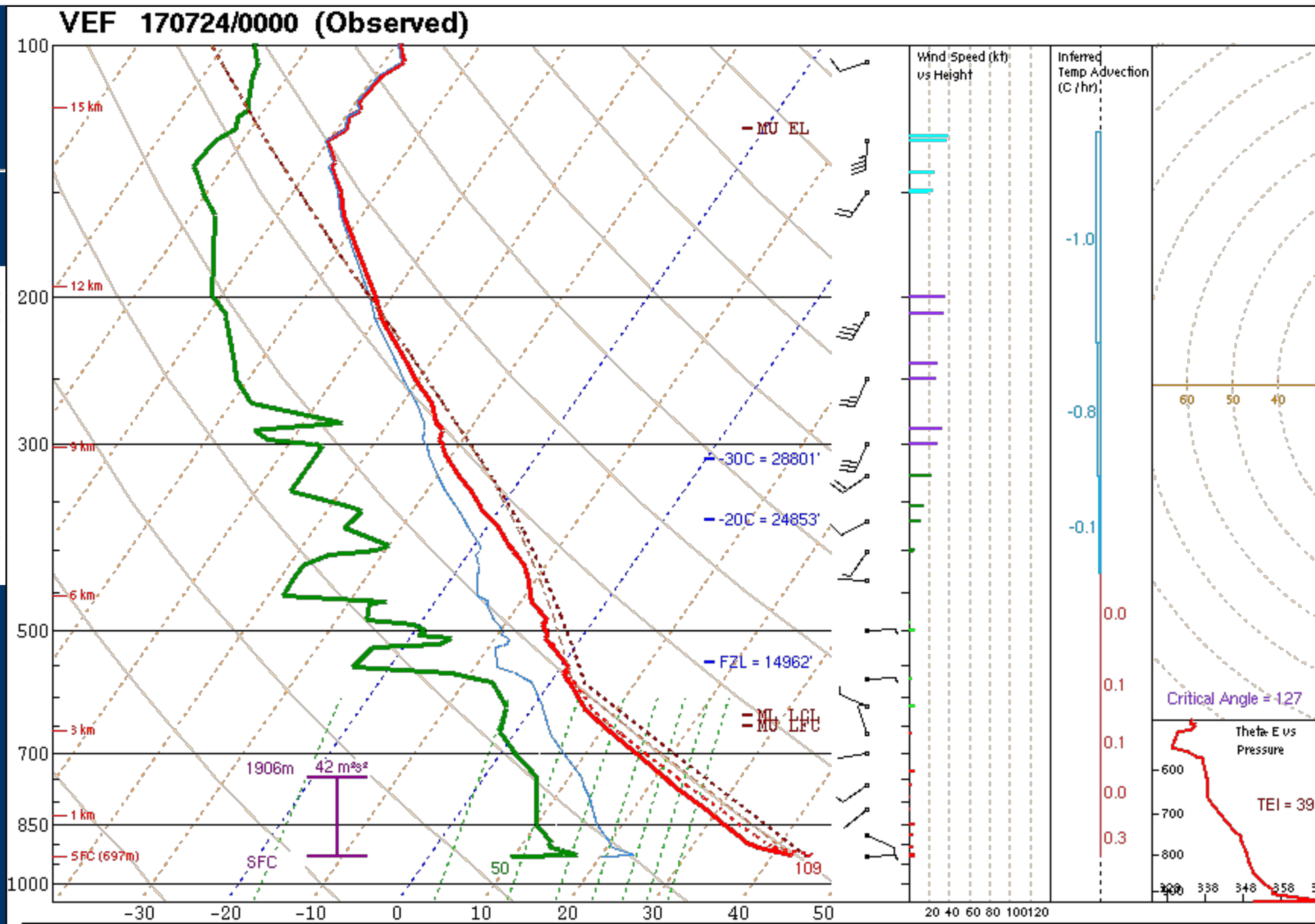
Sounding Analysis Page

NWS / Storm Prediction Center
Norman, Oklahoma

Observed Radiosonde Data
07/24/2017 00 UTC

Sounding Stations 07/24/2017 00 UTC

Choose another date/time period



PARCEL	CAPE	CINH	LCL	LI	LFC	EL
SURFACE	624	0	4066m	-2	4066m	38216'
MIXED LAYER	1480	-7	3356m	-4	3356m	43346'
FCST SURFACE	1792	-0	3528m	-5	3528m	43986'
MU (925 mb)	4031	0	3134m	-8	3134m	48086'

PW = 1.17 .in	3CAPE = 0 J/kg	WBZ = 12368'	WNDG = 0.1
K = 33	DCAPE = 2038 J/kg	FZL = 14962'	ESP = 0.0
MidRH = 41%	DownT = 61 F	ConvT = 109F	MMP = 0.31
LowRH = 24%	MeanW = 10.6 g/kg	MaxT = 108F	NCAPE = 0.35
SigSevere = 4272 m3/s3			

Sfc-3km Agl Lapse Rate =	10.7 C/km
3-6km Agl Lapse Rate =	7.1 C/km
850-500mb Lapse Rate =	8.6 C/km
700-500mb Lapse Rate =	7.8 C/km

Supercell = 0.0
Left Supercell = -0.0
STP (eff layer) = 0.0
STP (fix layer) = 0.0
Sig Hail = 0.4

	SRH(m2/s2)	Shear(kt)	MnWind	SRW
SFC - 1 km	25	6	117/5	165/17
SFC - 3 km	37	8	152/2	177/16
Eff Inflow Layer	42	10	140/3	173/16
SFC - 6 km		6	124/1	176/15
SFC - 8 km		23	171/1	178/15
LCL - EL (Cloud Layer)		38	212/8	191/21
Eff Shear (EBWD)		15	145/1	178/15

BRN Shear = 2 m²/s²
4-6km SR Wind = 164/14 kt

.....Storm Motion Vectors.....
Bunkers Right = 0/14 kt
Bunkers Left = 172/15 kt

Corfidi Downshear = 248/8 kt
Corfidi Upshear = 265/5 kt

1km & 6km AGL Wind Barbs

*** BEST GUESS PRECIP TYPE ***
None.
Based on sfc temperature of 109.0 F.

SARS - Sounding Analogs

SUPERCELL	SGFNT HAIL
No Quality Matches	No Quality Matches
SARS: 0% TOR	(52 loose matches) SARS: 27% SIG

VEF Tabular Data

Click here for a description of this page.

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