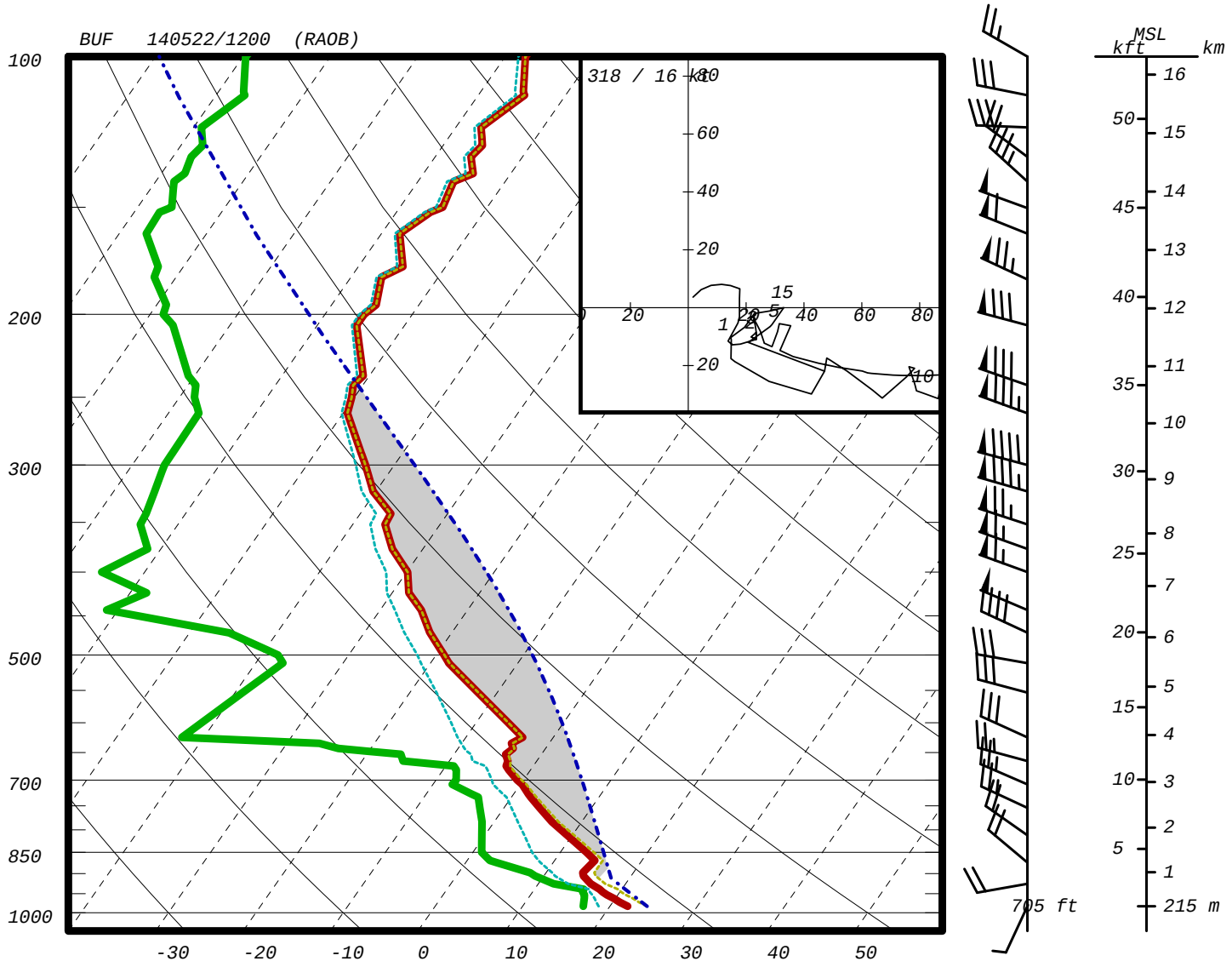

THERMODYNAMIC PARAMETERS

SFC PARCEL

LPL: 983mb 22C/ 17C 72F/ 63F

CAPE:	2486 J/kg	LI:	-10 C @ 500mb
BFZL:	244 J/kg	LImin:	-10 C @ 471mb
CINH:	0 J/kg	CAP:	0 C @ 906mb

LEVEL	PRES	HGT(AGL)	TEMP
LCL	912mb	2110ft	
LFC	912mb	2110ft	15 C
EL	237mb	34742ft	-51 C
MPL	129mb	47439ft	

Precip Water:	0.81 in	Mean RH:	12 %
Mean Q:	10.4 g/kg	Mean LRH:	67 %
Top of Moist Layer:		939 mb / 1296 ft	

700-500mb Lapse Rate:	18 C / 7.2 C/km
850-500mb Lapse Rate:	33 C / 7.8 C/km

Total Totals:	52	K-Index:	26
SWEAT Index:	152	Max Temp:	78 F
ThetaE Diff:	25 C	*Conv Temp:	72 F
FRZ Level:	9033 ft	WBZ Level:	7749 ft

KINEMATIC PARAMETERS

Sfc - 6 km Mean Wind:	292 / 24 kt	(12 m/s)
LFC - EL Mean Wind:	290 / 34 kt	(17 m/s)
850 - 300 Mean Wind:	291 / 34 kt	(17 m/s)

Sfc - 2km Shear:	15 kt	(7 m/s)
Sfc - 6km Shear:	31 kt	(16 m/s)
*BRN Shear:		35 m2/s2

STORM STRUCTURE PARAMETERS

Sfc - 3km SREH: 106 m2/s2

Effective SREH: 106 m2/s2 from 0 m.

0-2 km SRW:	9 kt	EHI:	1.6
4-6 km SRW:	21 kt	BRN:	71
6-10 km SRW:	54 kt		

Output produced by Unidata postscript driver;
NSHARP (SkewT-Hodograph Analysis and Research Program)