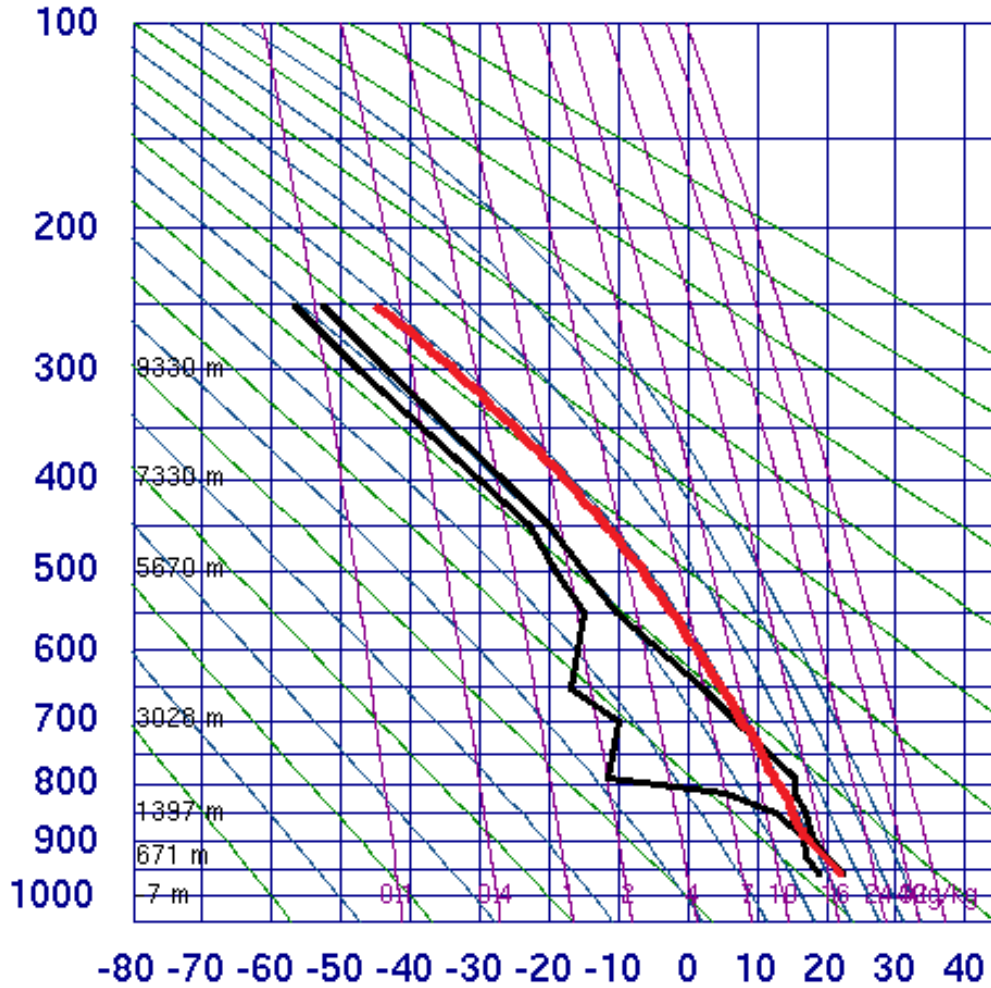


72357 OUN Norman



SLAT	35.18
SLOE	-97.44
SELV	345.0
SHOW	-6.51
LIFT	-8.04
LFTV	-8.51
SWET	555.4
KINX	27.40
CTOT	27.40
VTOT	31.90
TOTL	59.30
CAPE	2252.
CAPV	2381.
CINS	-120.
CINV	-64.5
EQLV	-9999
EQTV	-9999
LFCT	712.9
LFCV	745.3
BRCH	24.15
BRCV	25.54
LCLT	290.2
LCLP	895.9
MLTH	299.4
MLMR	13.85
THCK	5677.
PWAT	26.86

00Z 04 May 1999

University of Wyoming

1. What time and date was this sounding observed? _____
2. Label the following lines on the Stüve diagram: temperature, dew point, adiabatic temperature change.
3. Shade in the region that represents the CAPE.
4. At what altitude is the level of free convection? _____
5. At what altitude will the base of a cloud be found? _____
6. What is the highest possible altitude at the top of this cloud? _____
7. What is the approximate Lifted Index? _____
8. At what altitude does the rising air become saturated? _____
9. What is the likelihood of severe weather at this location? _____