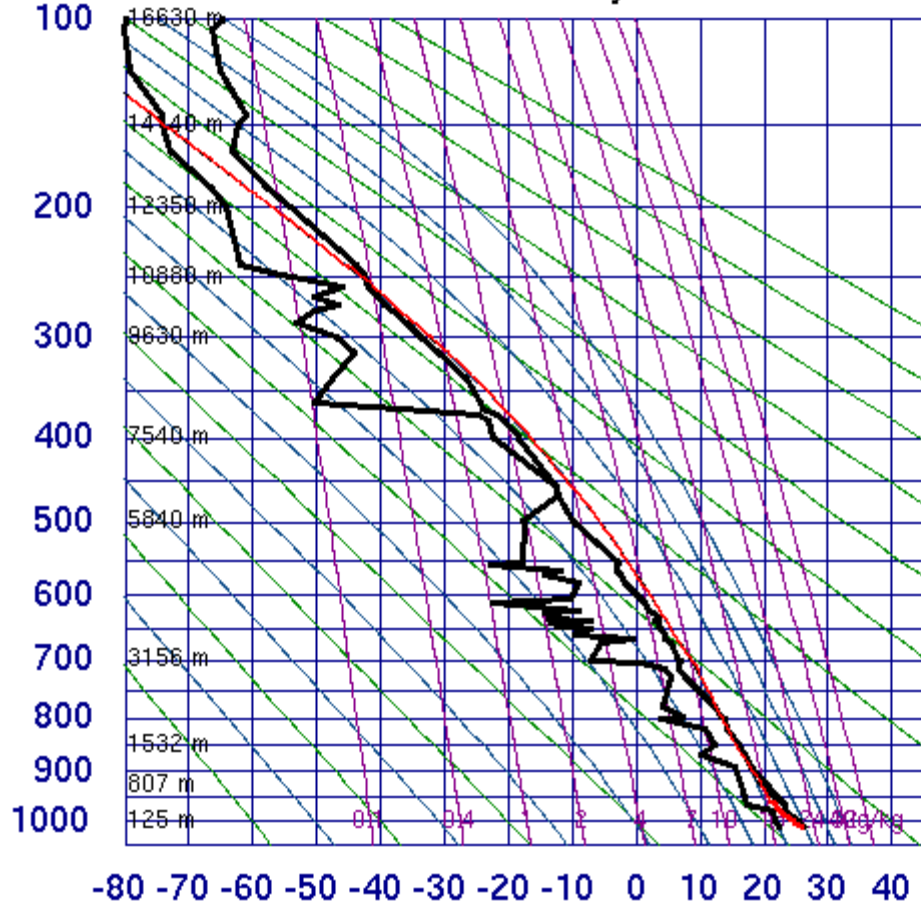


Name _____

Date: / /

78016 TXKF Bermuda Nvl Stn Kindley



SLAT	32.37
SLON	-64.67
SELV	130.0
SHOW	-0.41
LIFT	-3.81
LFTV	-4.31
SWET	171.4
KINX	23.90
CTOT	21.70
VTOT	25.70
TOTL	47.40
CAPE	641.4
CAPV	789.2
CINS	-21.2
CINV	-9.51
EQLV	254.2
EQTV	254.0
LFCT	832.5
LFCV	889.5
BRCH	172.5
BRCV	212.2
LCLT	291.9
LCLP	920.2
MLTH	298.9
MLMR	15.16
THCK	5715.
PWAT	42.07

12Z 15 Aug 2007

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 between the temperature and adiabatic line where the air is unstable.
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? _____