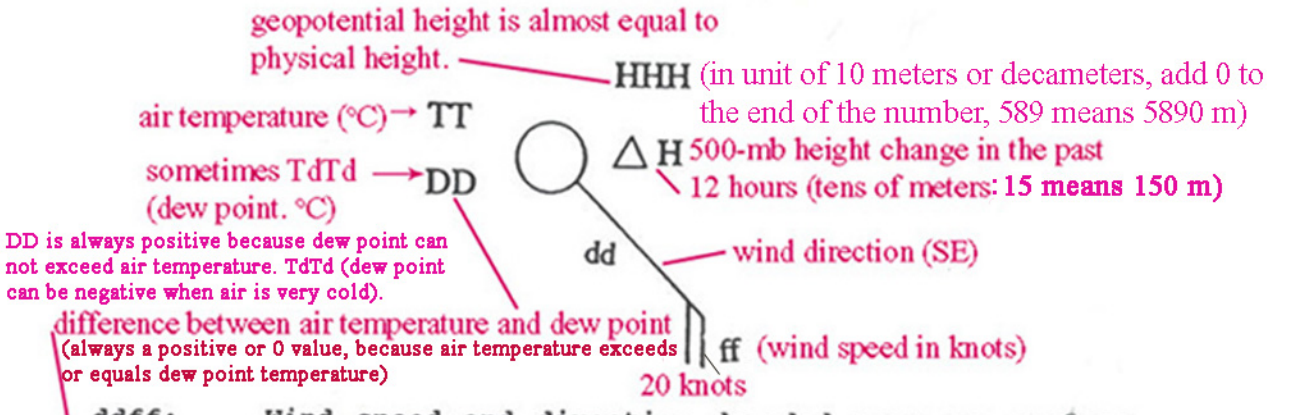
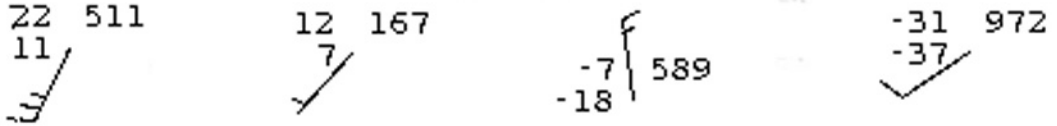
UPPER AIR STATION PLOT (500 mb station codes)



ddff:	Wind speed and direction decoded same as surface station (see Appendix 4); Wind speed less than 3 knots, LV (for light and variable) is plotted (850-mb at 1306 m high)
TT:	Temperature in °C
DD:	Dew point depression in °C; Depression less than 5°C, the station circle is shaded; Depression greater than 29°C, XX or X is plotted in place of depression : positive value (air temperature is equal to or higher than dew point) (500-mb at 5780 m)
HHH:	Geopotential height of isobaric surface in decameters (Geopotential height in units of gpm is almost equal to actual height in units of m)
ΔH:	Change of height in tens of meters of the isobaric surface over the past 12-hours
Square:	Other aircraft report (200 mb jet, W wind, 160 knots, at 11370 meters high)
R under a square:	Reconnaissance aircraft report
Star:	Satellite report
Bracketed information:	Estimated data (example data over mountains)

TT = -44 °C, DD = 13 °C, dew point (TdTd) = -57 °C = (TT - DD) = (-44 - 13)



1511 m (850-mb) 3167 m (700-mb) 5890 m (500-mb) 9720 m (300-mb)

Average Height (m) at the pressure level specified above

1500 m 3000 m 5500 m 9000 m

At the 500-mb level, the 500-mb height is 5890 m (more accurately gpm). air temperature is -7 °C, dew point is -18 °C , NNW wind with 15 knots speed, Dew point instead of dew point depression (DD) is plotted. DD should be 11°C, 5 °C, 11 °C, and 6 °C for the repectve pressure levels, indicated from left to right. DD is always a positive value.