

Summary of Processes on Thermo Diagrams



- 1) Unsaturated adiabatic ascent/descent:
 T follows dry adiabat; T_d and r_T follow isohume.
- 2) Saturated (cloudy) adiabatic ascent/descent:
 $T (=T_d)$ follows wet adiabat; r_T follows isohume.
- 3) Precipitation out of a parcel:
 $T (=T_d)$ doesn't change; r_T decreases along isobar.
- 4) Radiative heating/cooling of a cloudy parcel:
 $T (=T_d)$ follows isobar; r_T doesn't change.