1) Using the MCMS database, MERRA-2 reanalysis and sonde observations, define three classes of subsidence: PCF, northerly wind, southerly wind 2) Using ENA ARSCL observations, characterize clouds in these 3 subsidence regimes

and CBH and CTH.

RH and CBH.

and CTH.







Figure 4. Distribution of CBH, CTH and CTT for the three regimes: PCF (solid), northerly wind (dashed), southerly wind (dotted).

including depth and intensity in subsidence regimes. See *Katia Lamer*'s poster for more information.