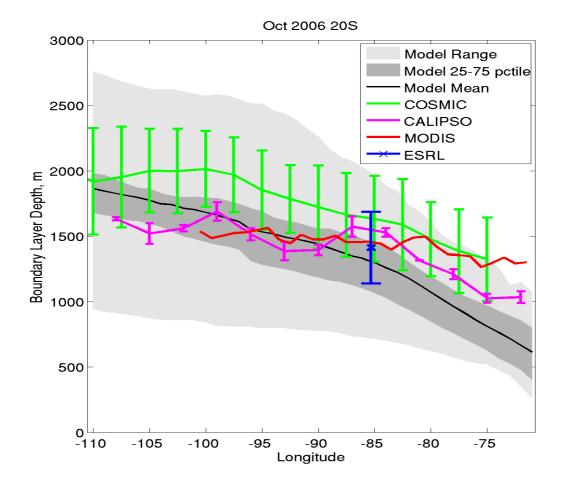
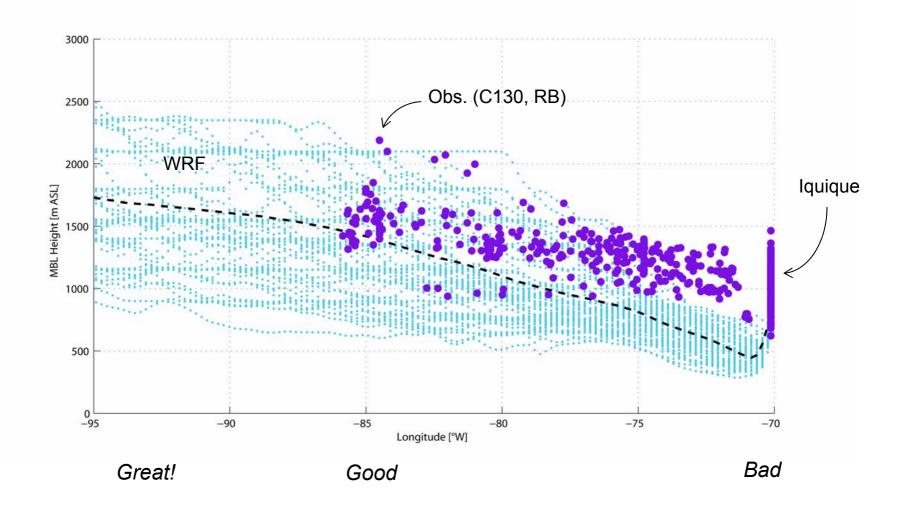
Synthesis of session 1A Regional scale perspective

- R. Garreaud: MBL Variability
- T. Toniazzo: Synoptic scale forcing
- R. George: Subseasonal variability over the SEP
- M. Wyant: PreVOCA & VOCA
- H. Pan: NCEP GFS Modeling
- S. Wang: COAMPS real time evaluation
- L. O'Neill: Climo. of cloud LW diurnal cycle

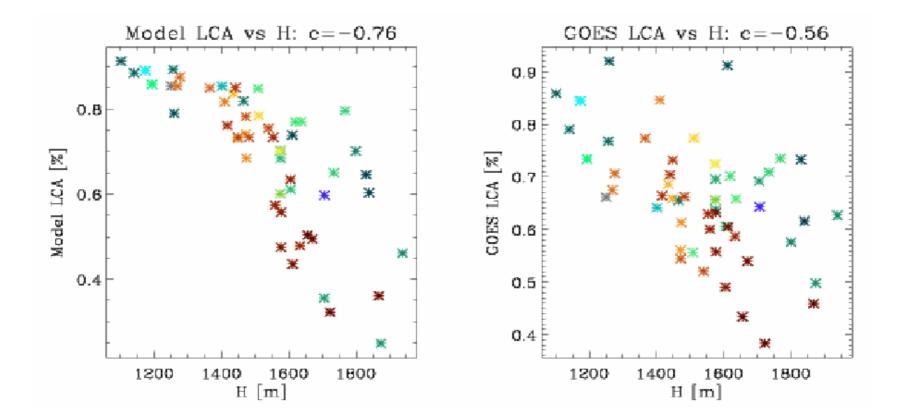
PreVOCA: Mean Boundary Layer Depth Along 20°S



Observed and Simulated (WRF) MBL height at 20°S during

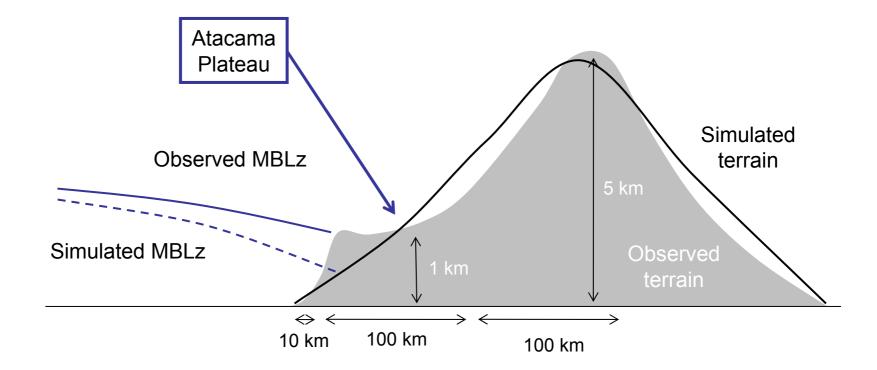


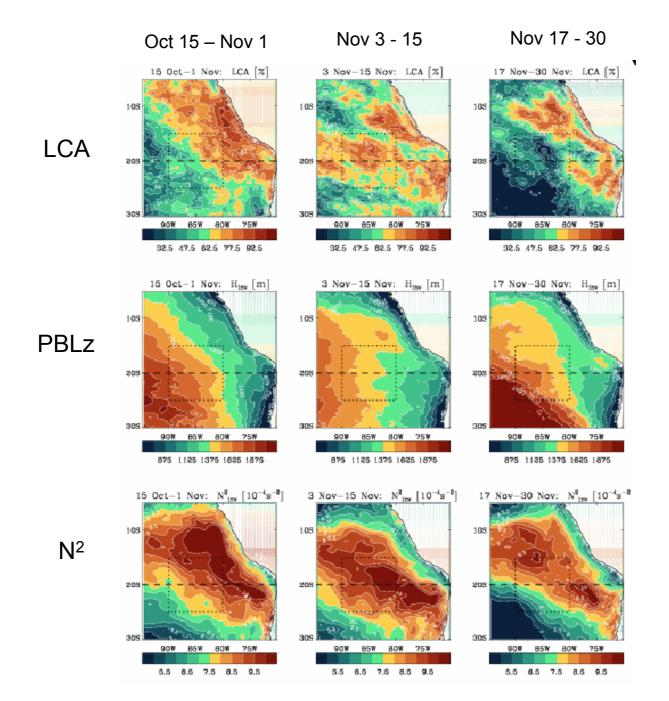
Low Cloud Amount & MBL Height



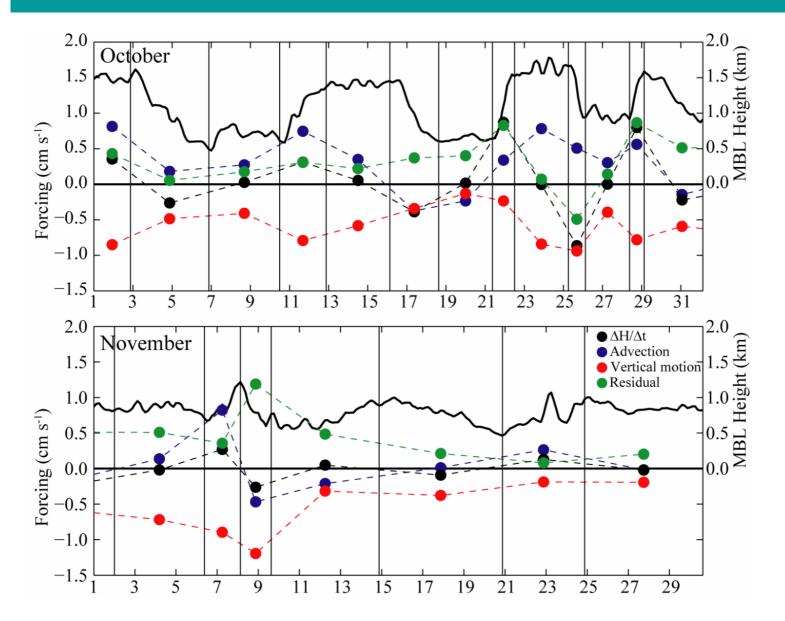
Coastal MBL

- Simulated height about half of observed value (~1 km)
- Very constant in time and uniform along a wide range of latitudes
- Significant diurnal cycle of winds above it
- What is wrong in our models? Perhaps lack of Atacama Plateau





Time series at 20°S, 80°W



- As seen previously, October is much more variable than November.
- Subsidence and Residual are on average the largest, opposing terms
- Advection and dH/dt are more variable and appear to be related.