

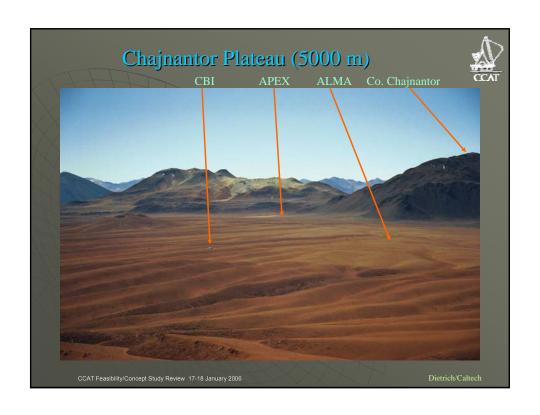
Project Goals for Site

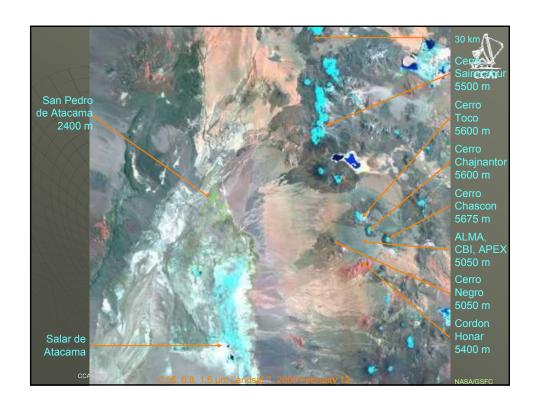


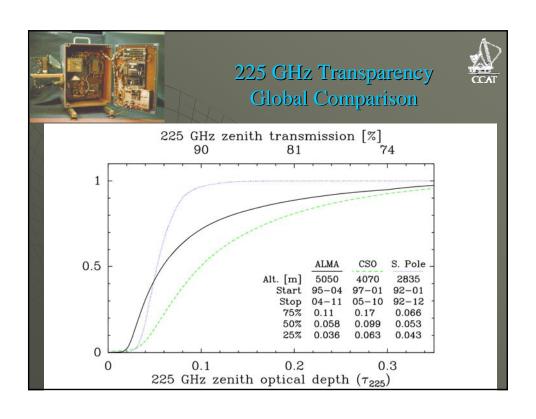
- Consistently superb obs. conditions
 - Suitable for submm most of the time
 - Suitable for THz much of the time
 - Better than Mauna Kea (requirement)
 - Better than ALMA (goal)
- ◆ Feasible logistics
- ◆ Proximity to other observatories

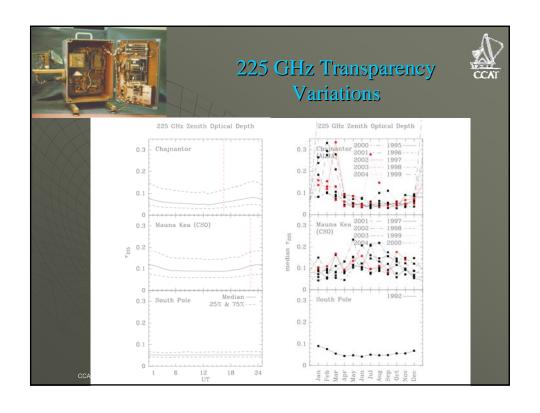
CCAT Feasibility/Concept Study Review 17-18 January 200

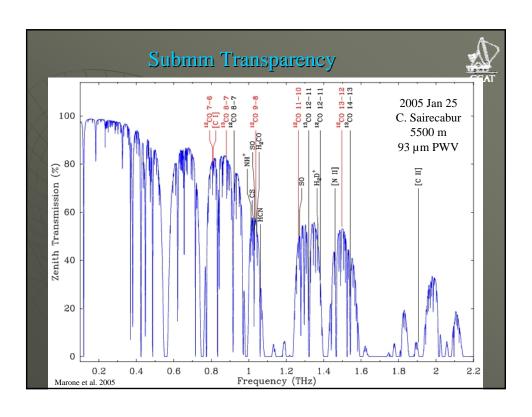


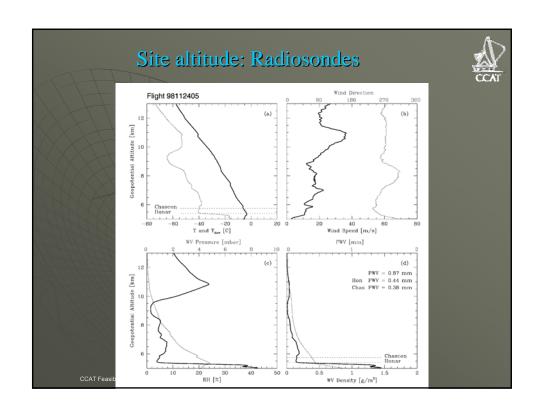


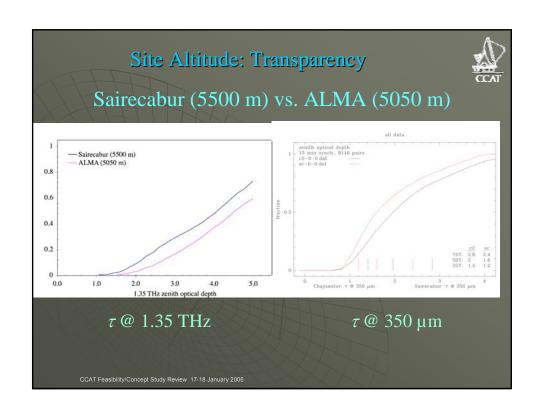


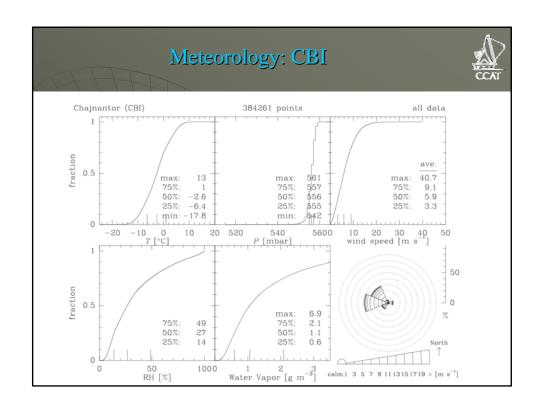












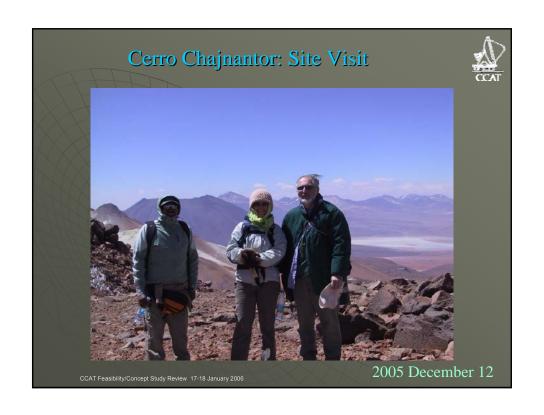
Cerro Chajnantor (5600 m)

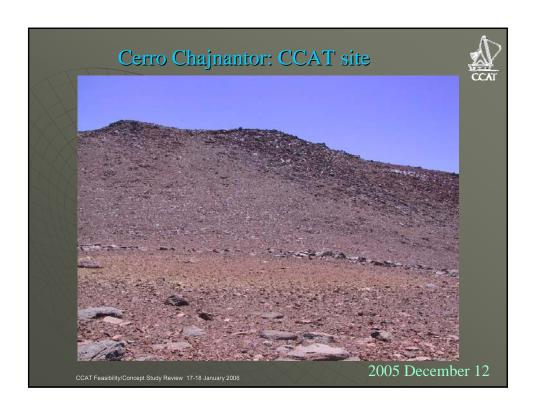


- Expected conditions similar to Sairec.
- ◆ 1 ha ENE and 50 m below summit
- Inside science preserve
- ♦ No archaeology, flora, fauna concerns
- ◆ Close to ALMA (5 km)
- ◆ Share road with Japanese(?)
- ◆ Selected candidate site

CCAT Feasibility/Concept Study Review 17-18 January 2006







Site Measurements



- Broadband 350 μm transparency
 - Tipping radiometers (NRAO/CMU)
 - Units also at Mauna Kea and South Pole
- Simultaneous comparison
 - Cerro Chajnantor candidate (5600 m)
 - Chajnantor plateau (CBI; 5050 m)
- Assume relative conditions are stable
 - Short term comparison proxy for long term
- Direct measurements in 2006
 - Bureaucratic path difficult in 2005

CCAT Feasibility/Concept Study Review 17-18 January 2006

