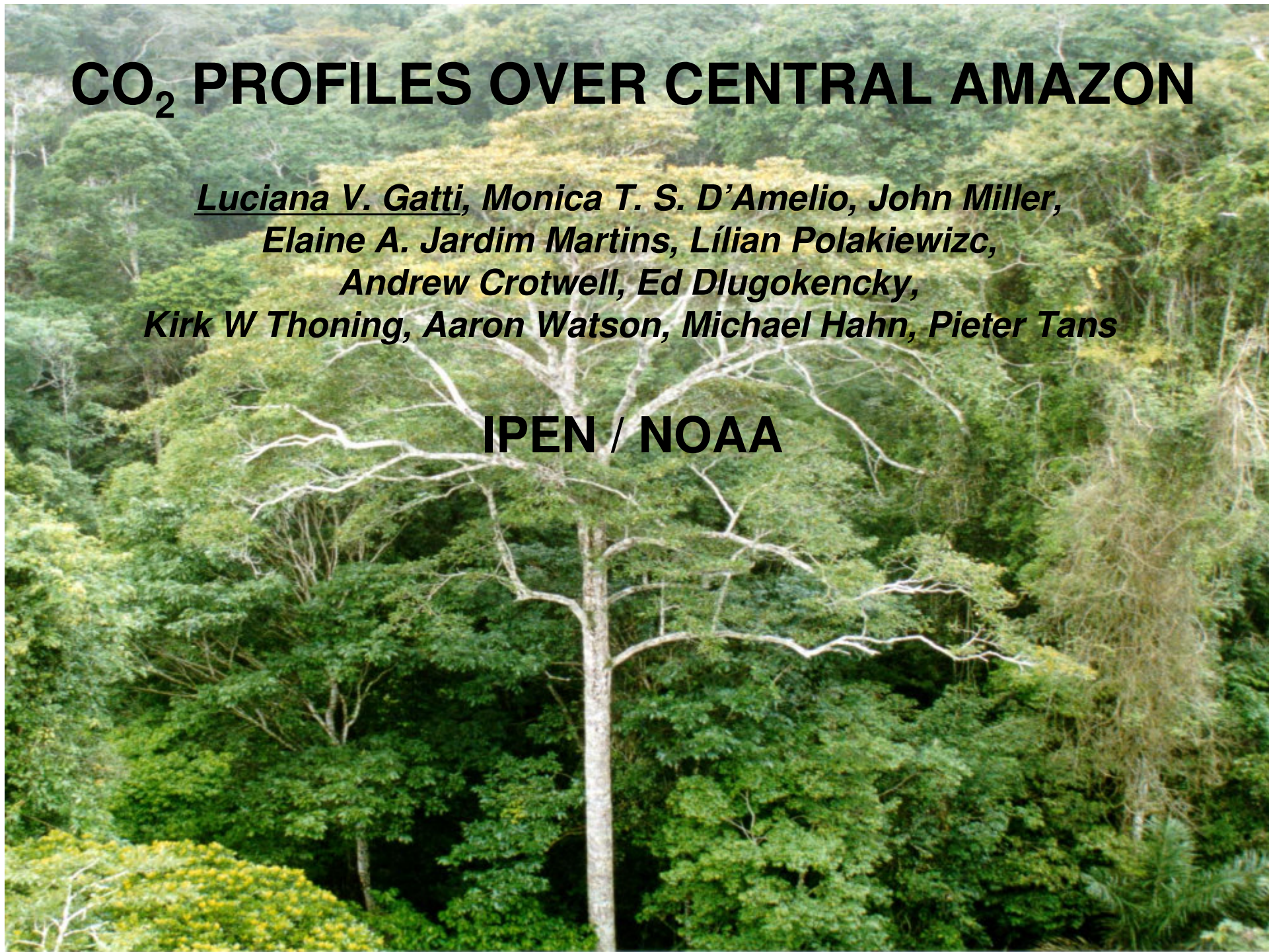


CO₂ PROFILES OVER CENTRAL AMAZON

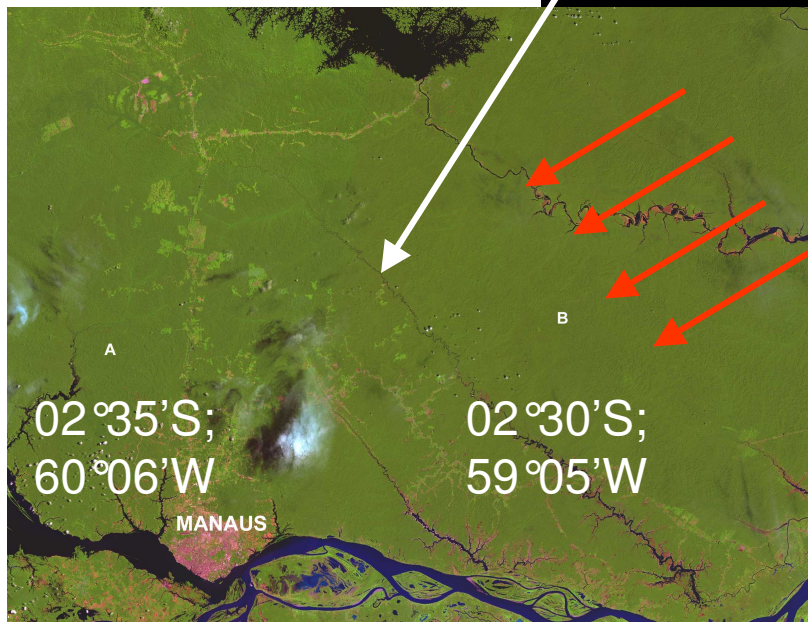
***Luciana V. Gatti, Monica T. S. D'Amelio, John Miller,
Elaine A. Jardim Martins, Lílian Polakiewicz,
Andrew Crotwell, Ed Dlugokencky,
Kirk W Thoning, Aaron Watson, Michael Hahn, Pieter Tans***

IPEN / NOAA



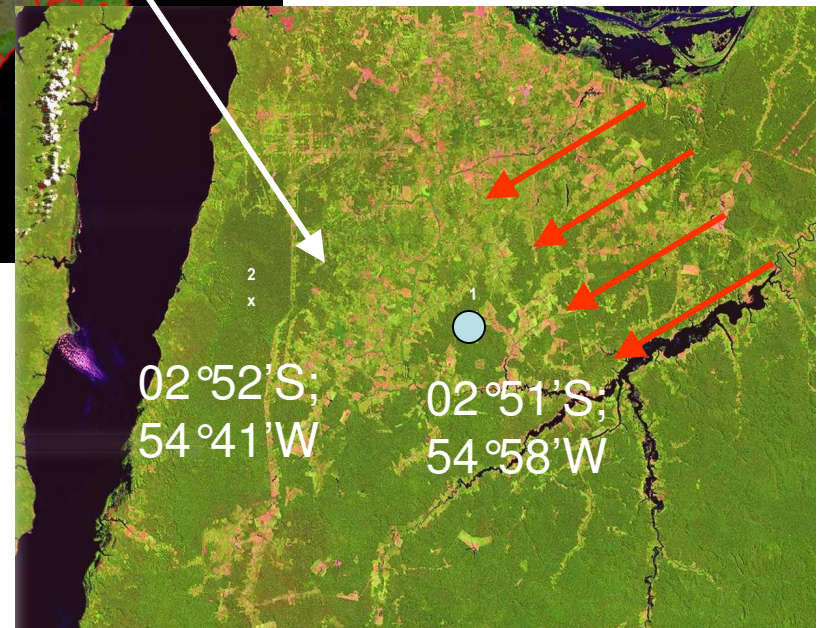
start December 2004

AMAZONAS



start December 2000

PARÁ

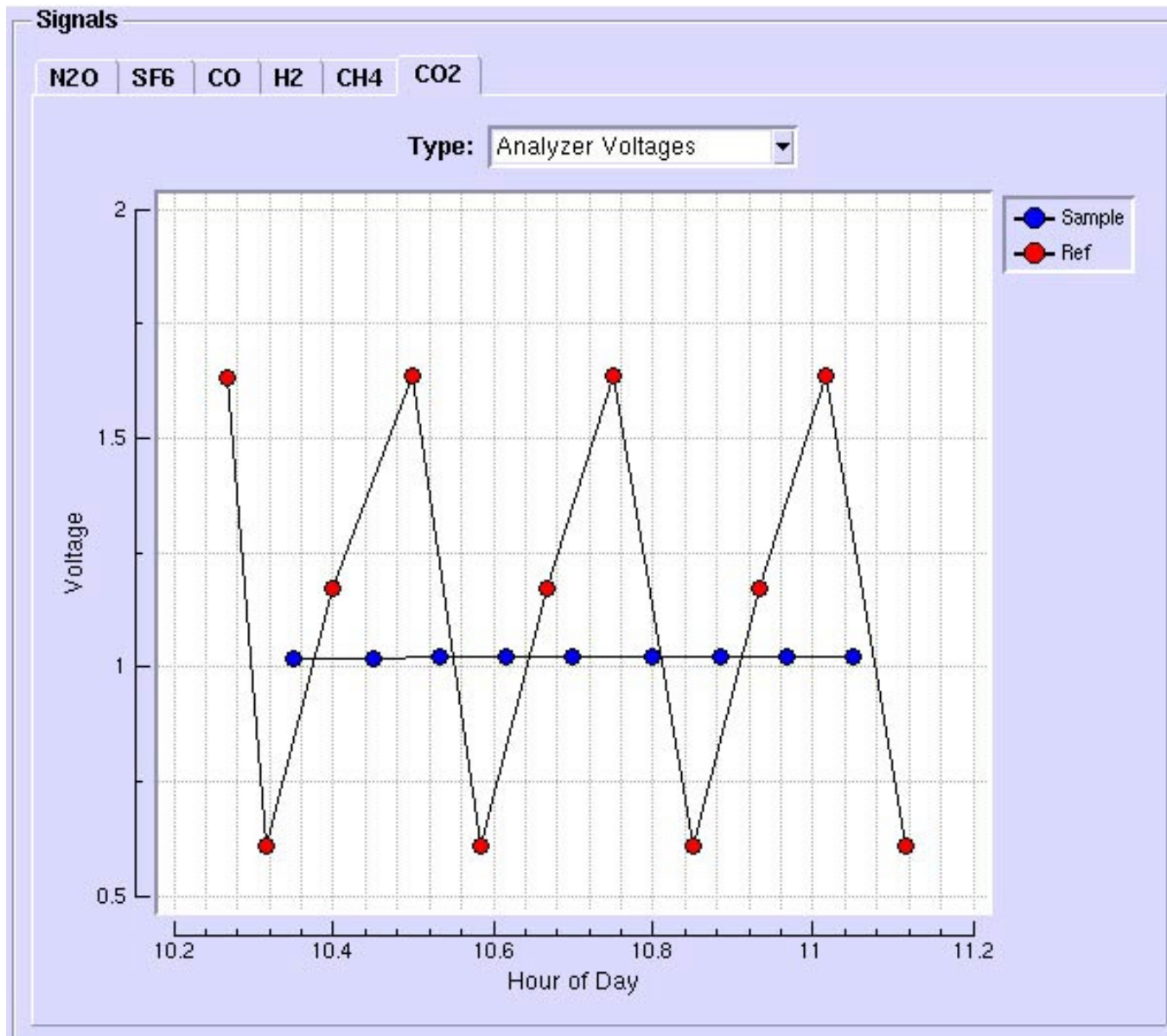


Portable Flask Package (PFP)



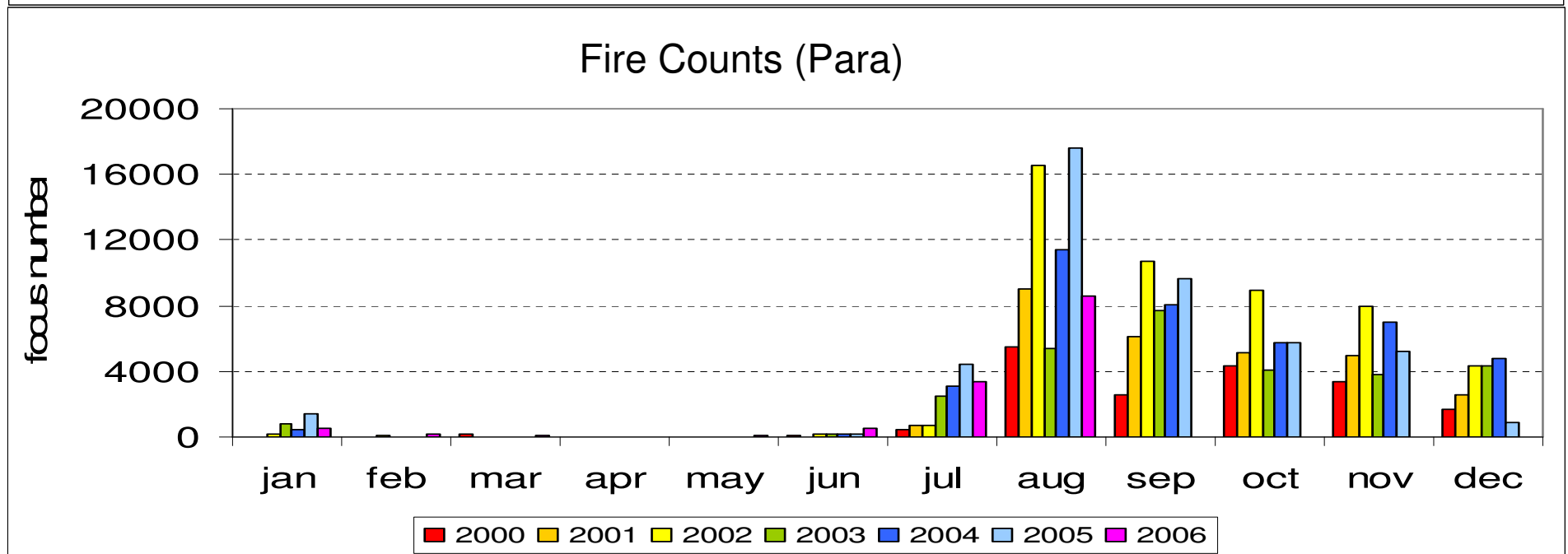
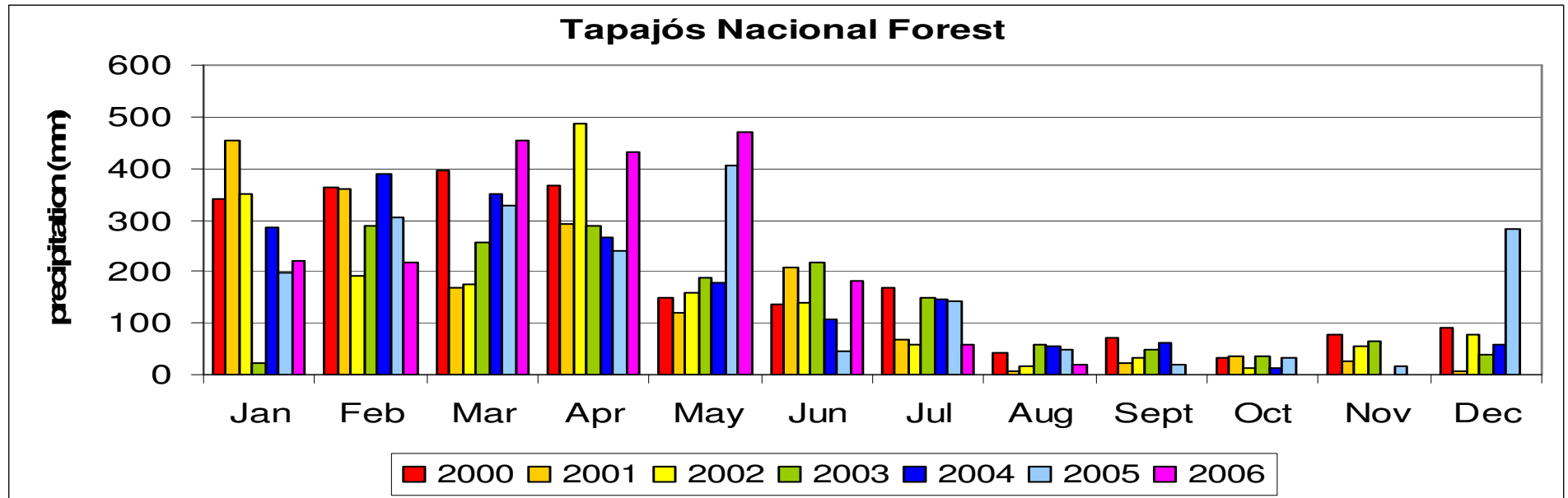
Field sampling - Small Aircraft

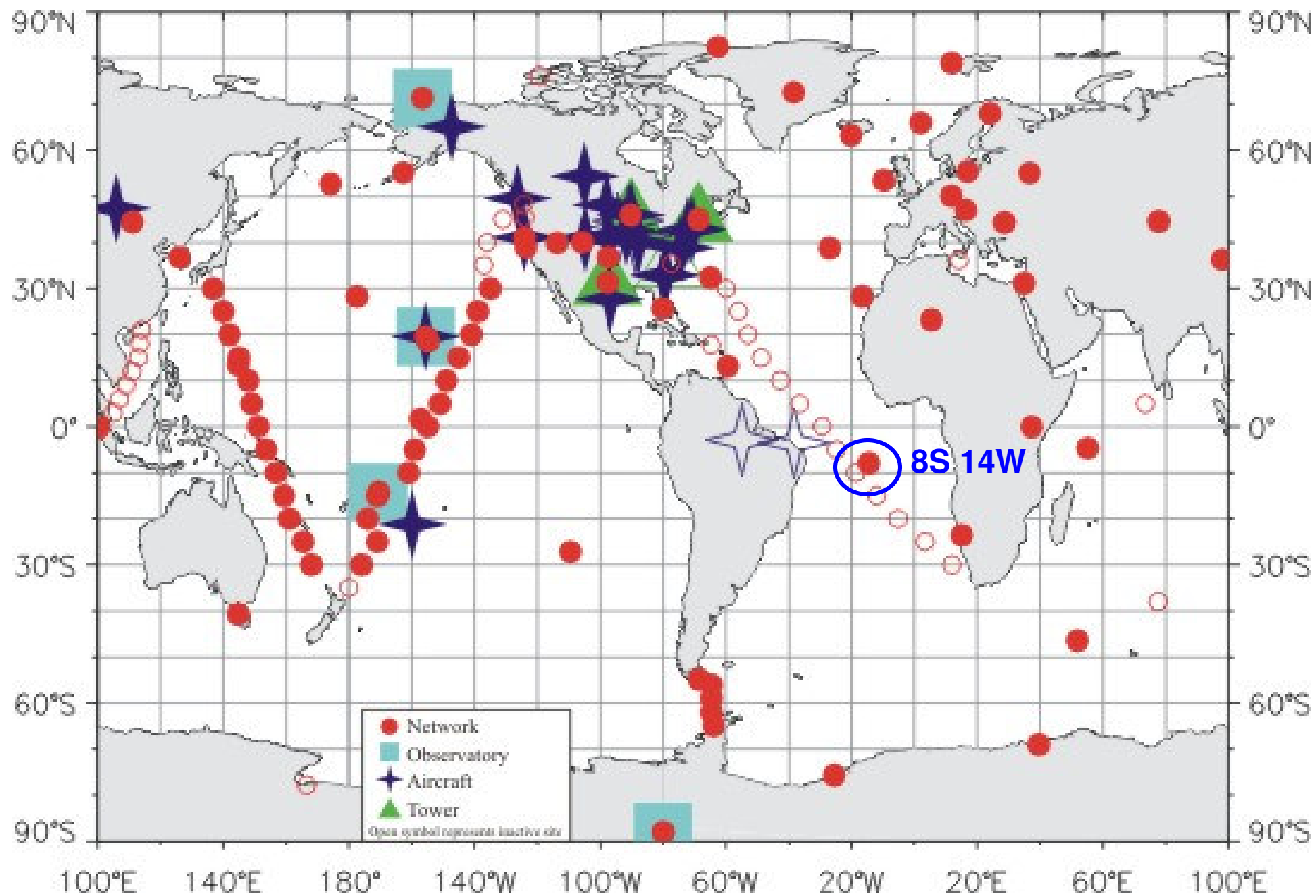




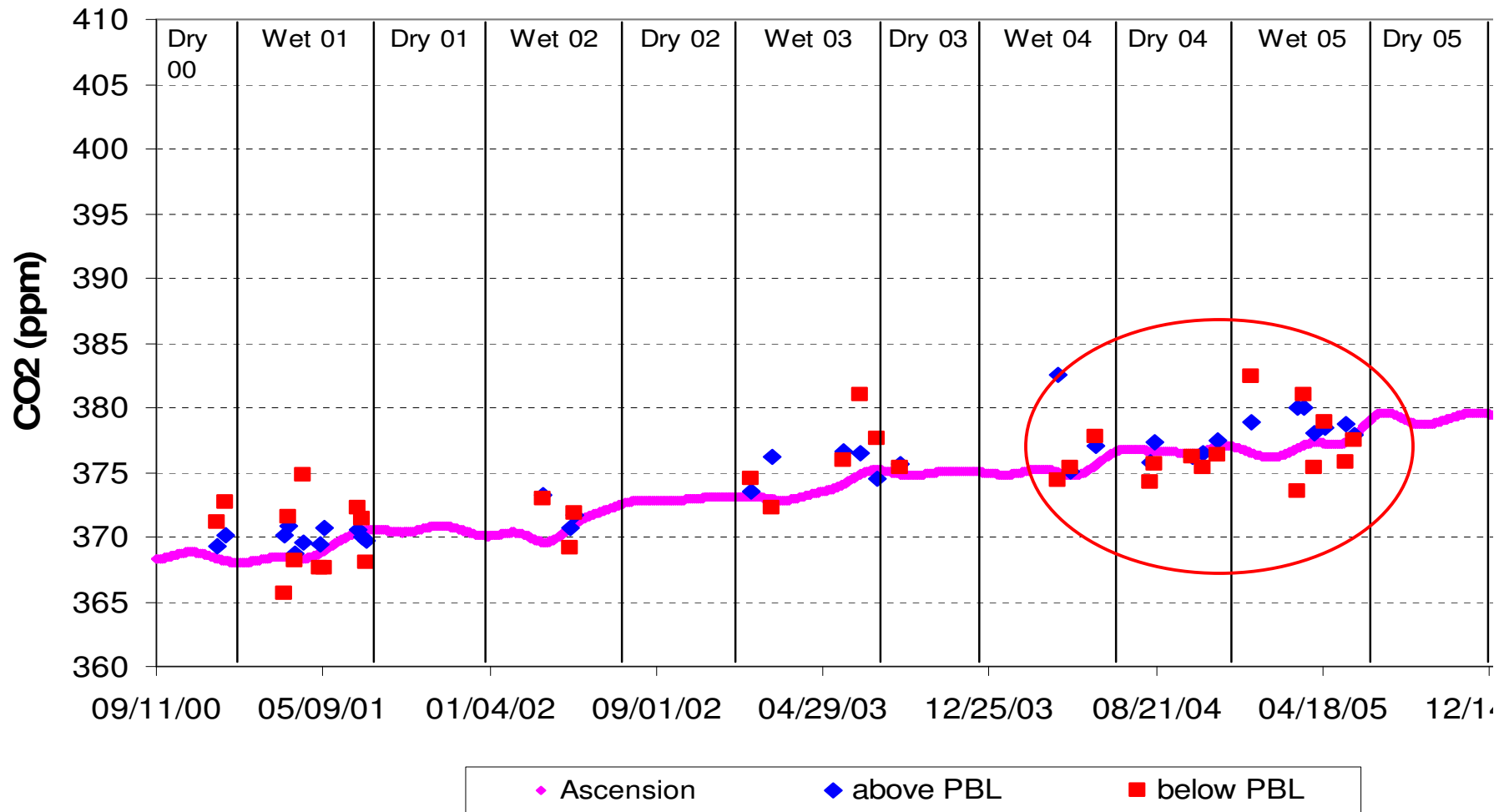
3 reference standards Low, medium and high
precision: 0.03ppm, stability: 0.02%

Dry and Wet Classification Flona Tapajós

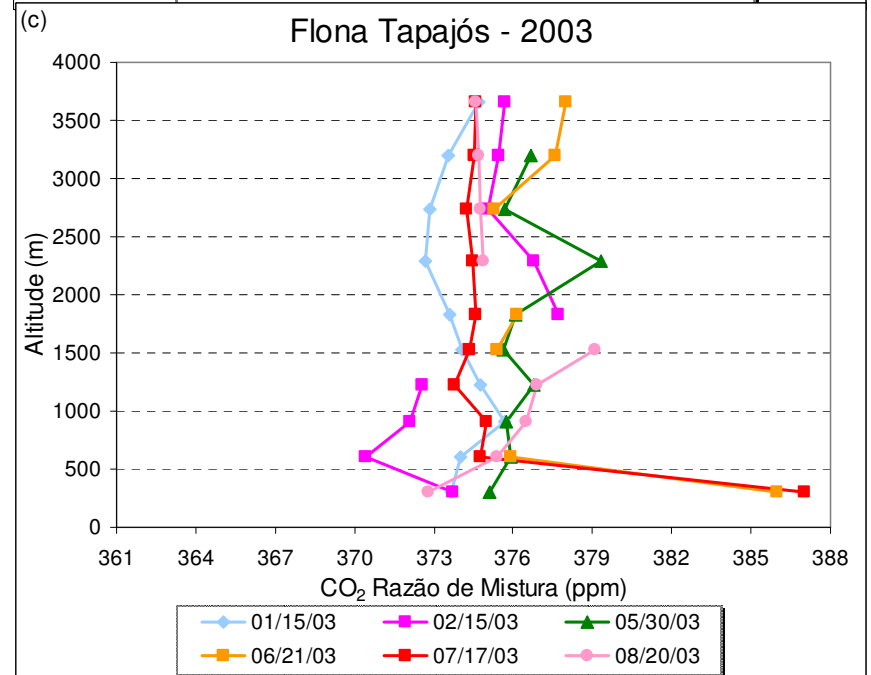
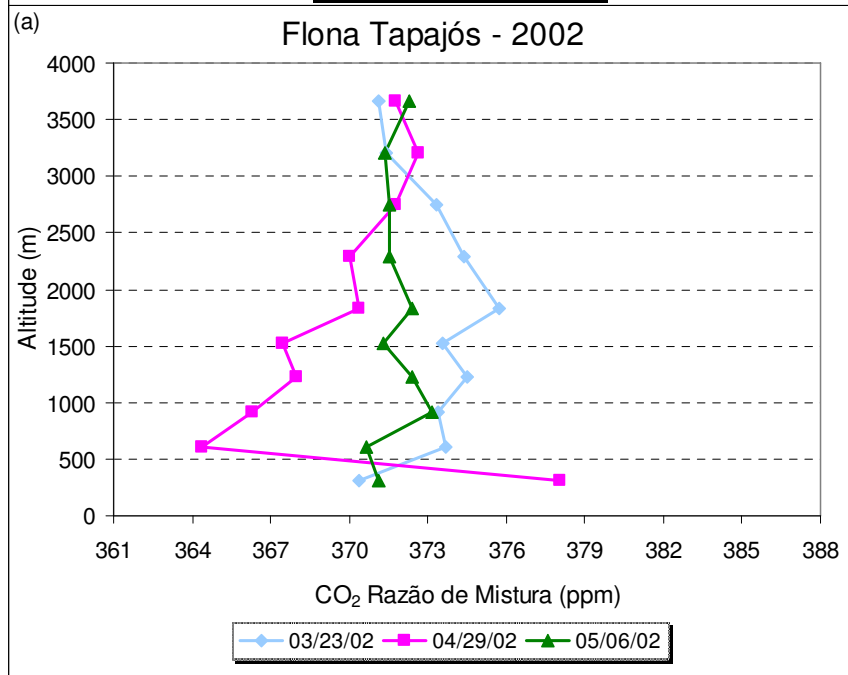
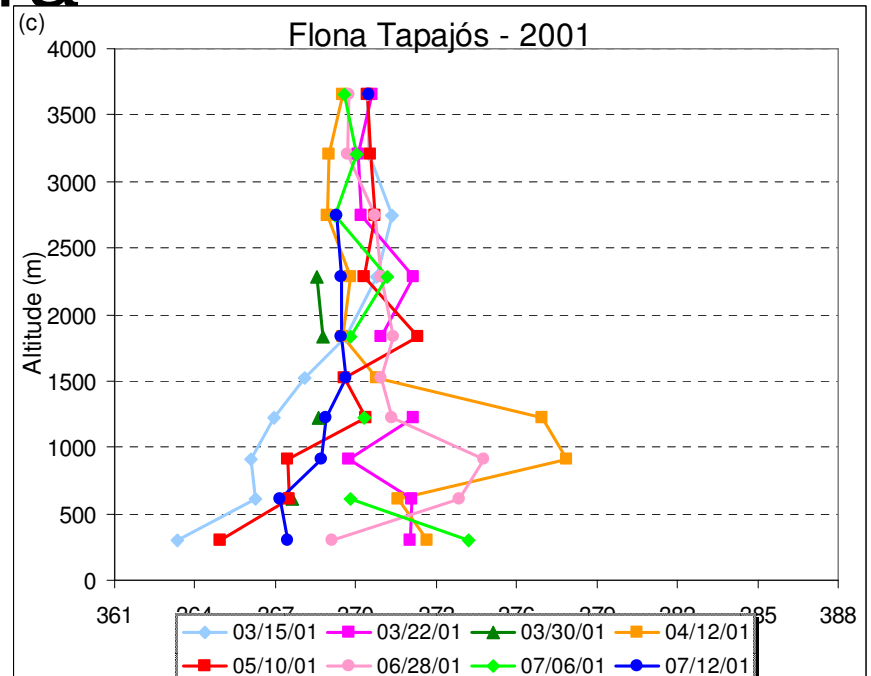
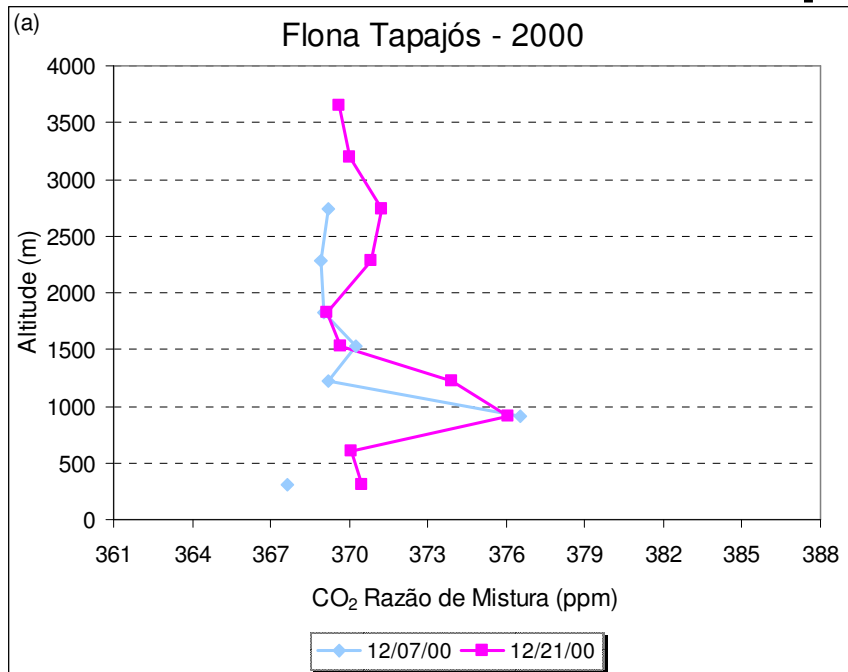


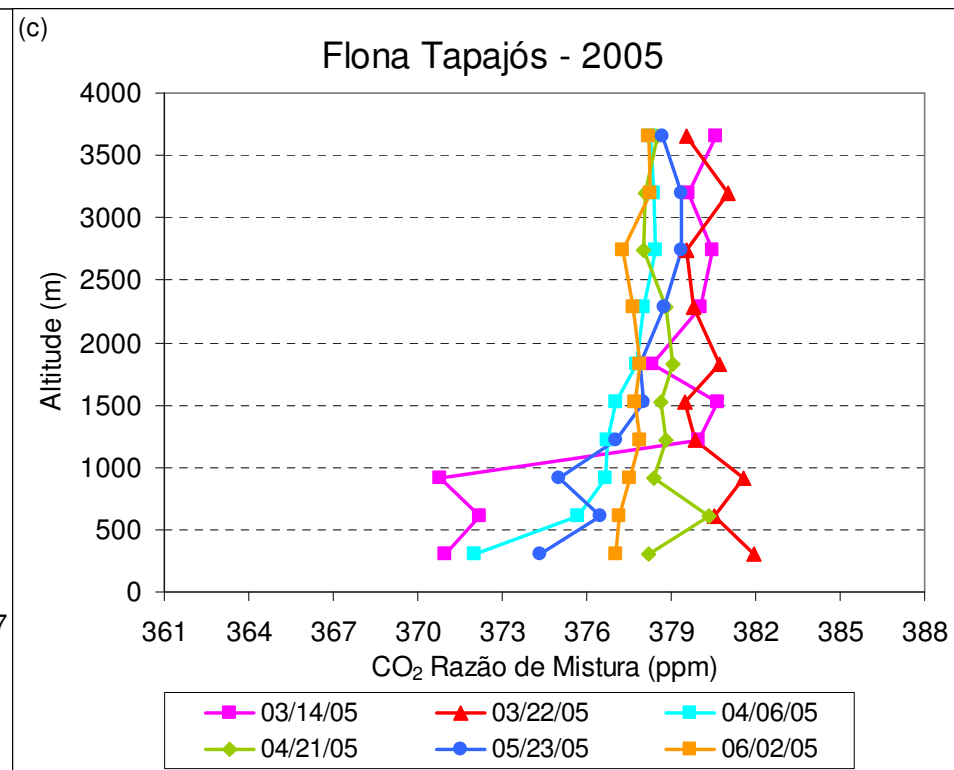
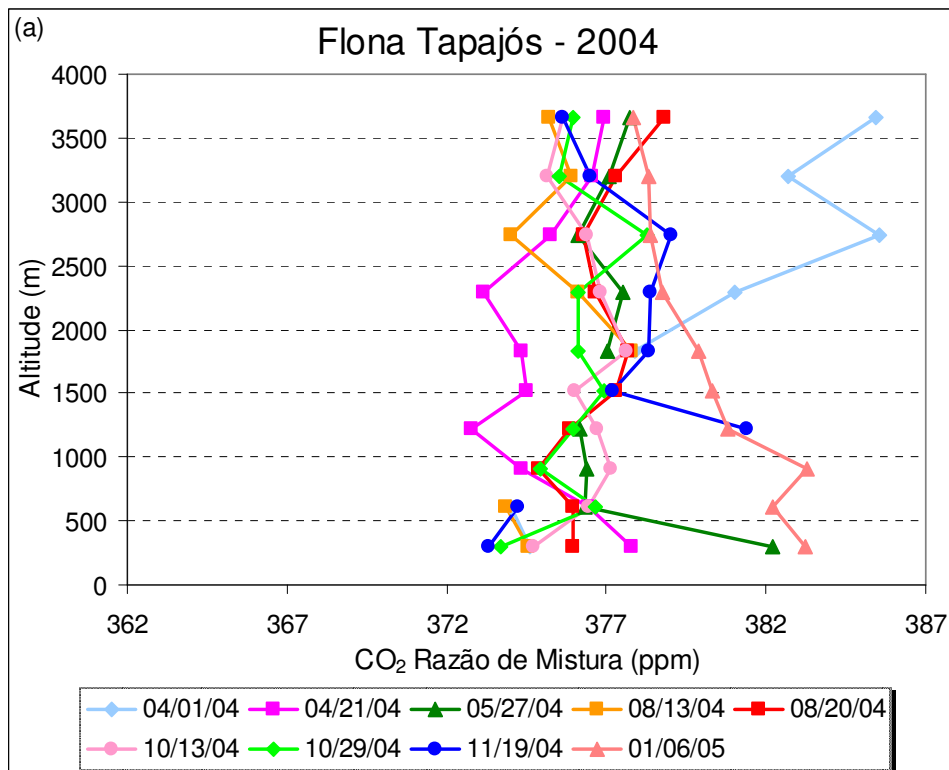


Temporal Series CO2 - Flona Tapajós

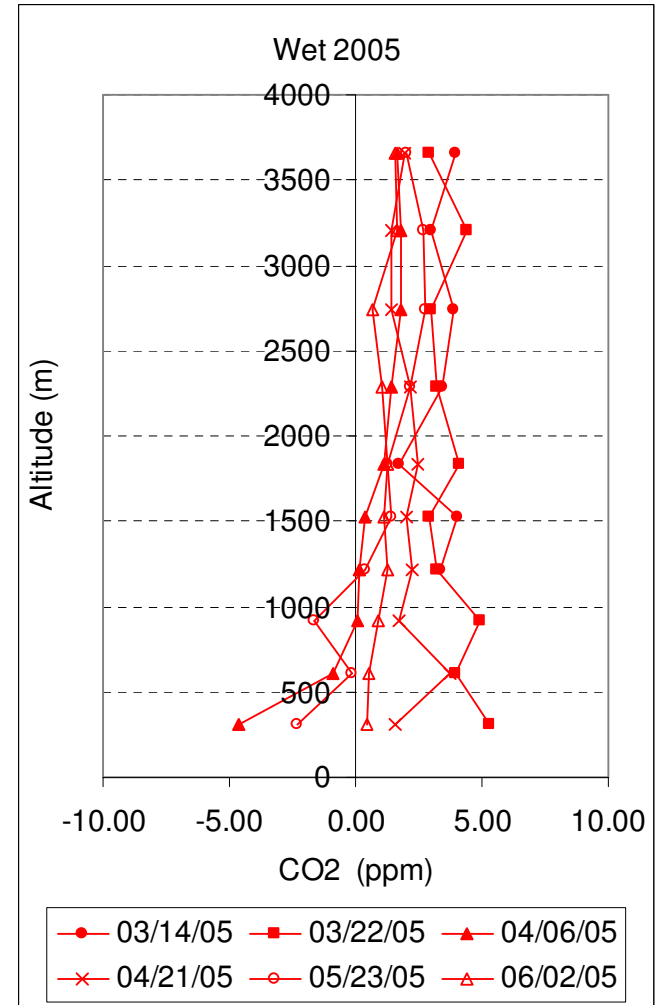
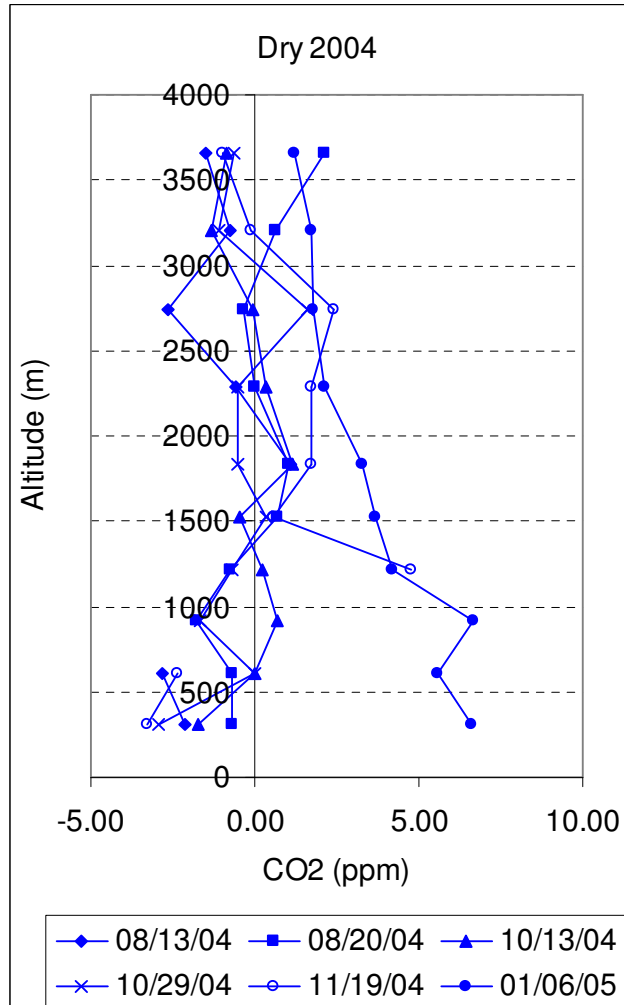
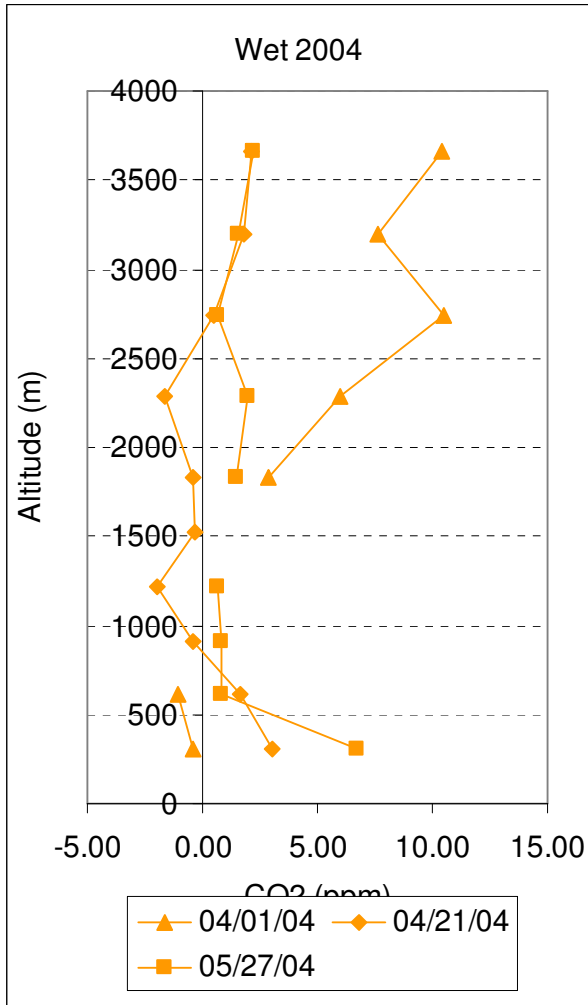


Pará



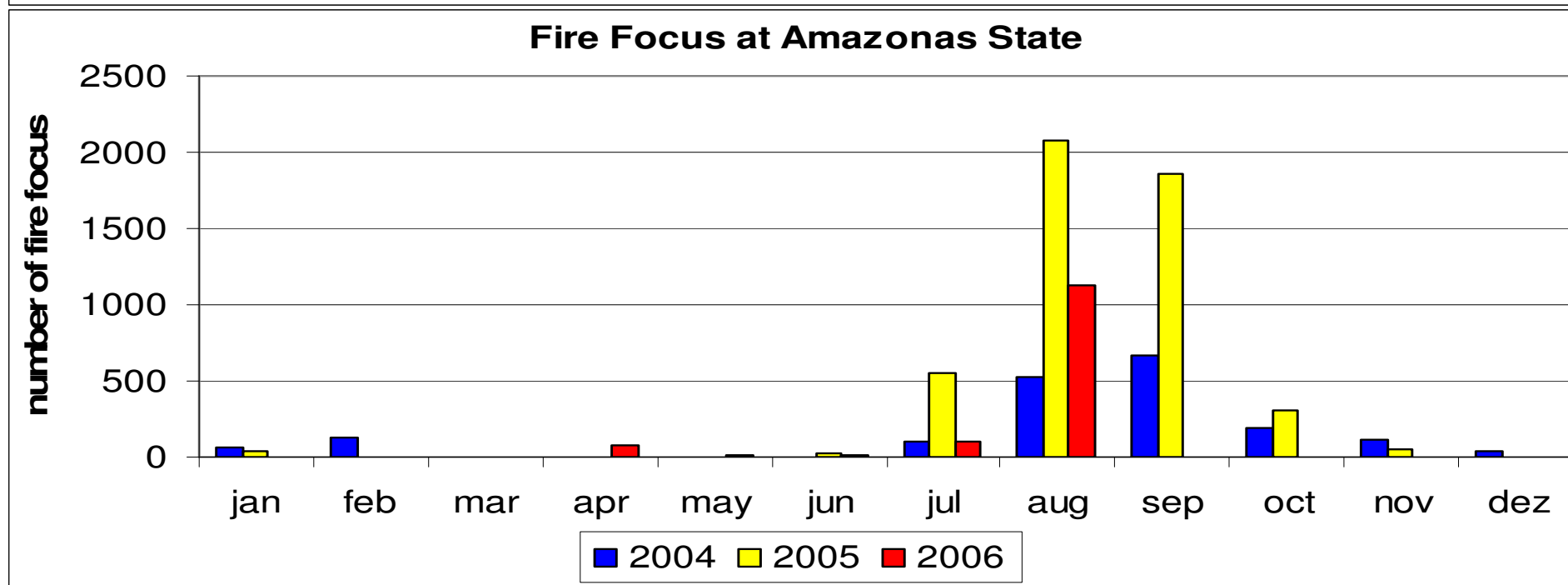
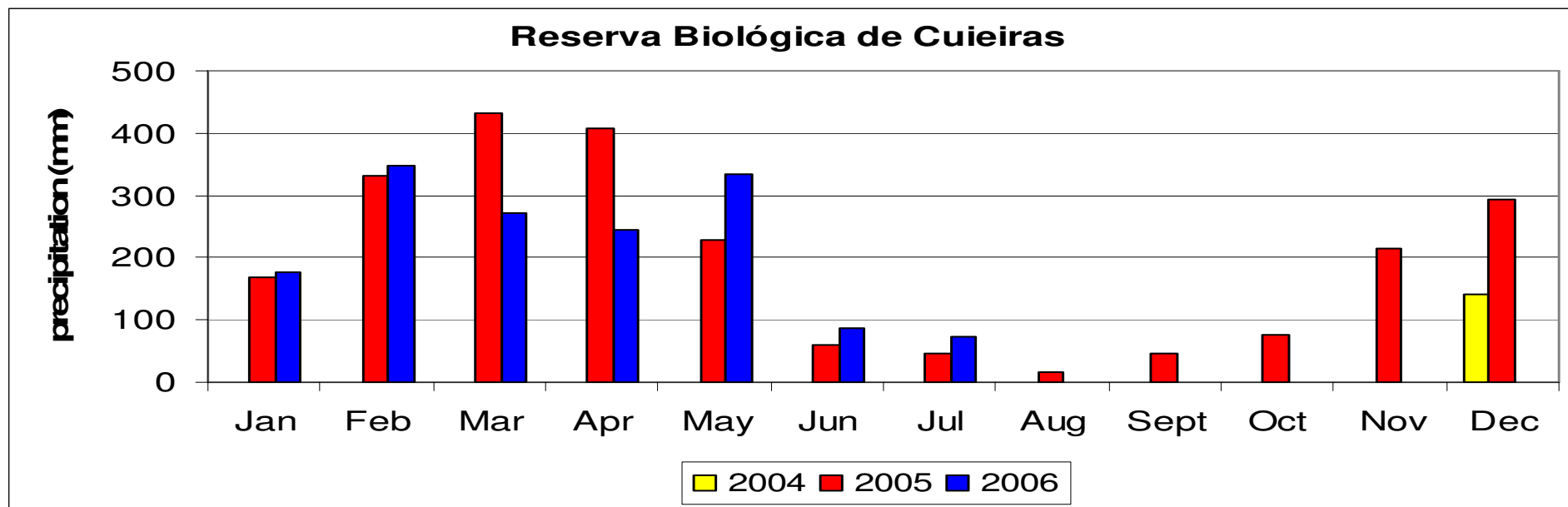


Flona Tapajos minus Ascension

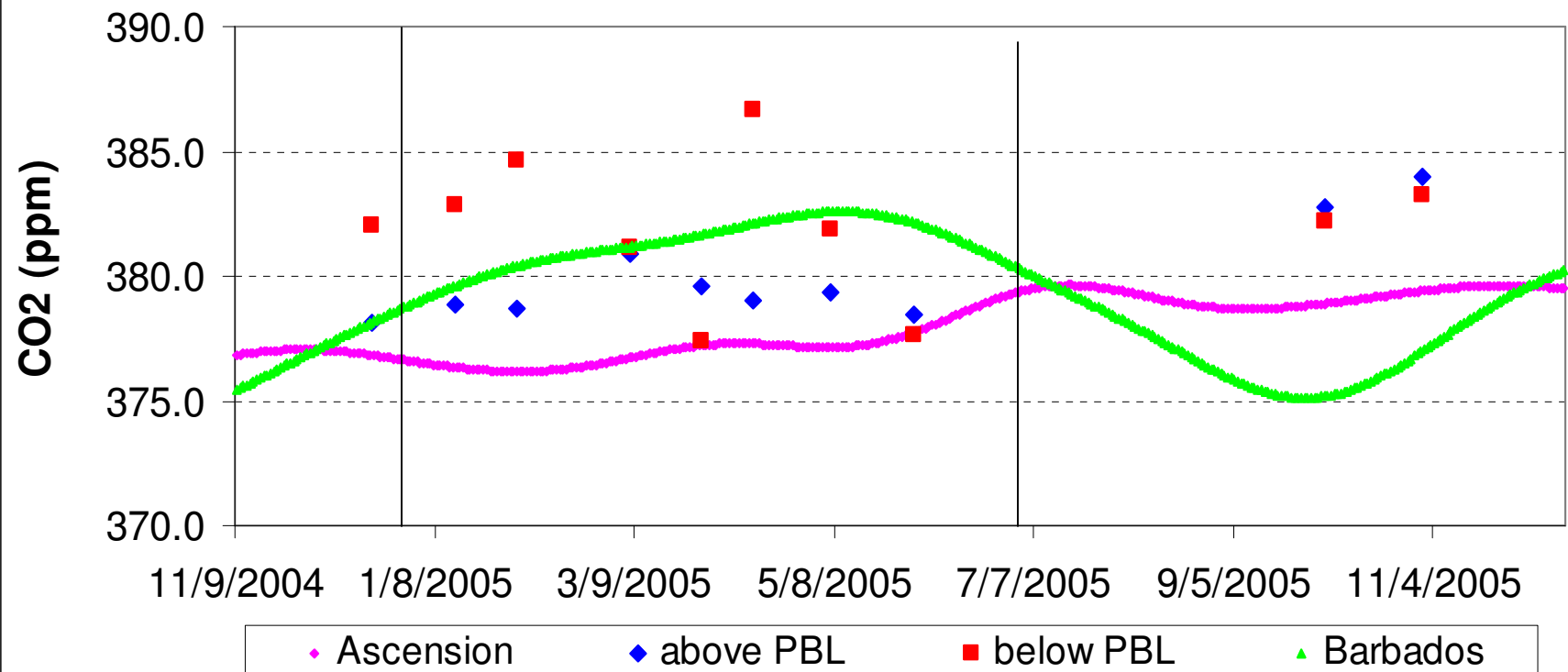


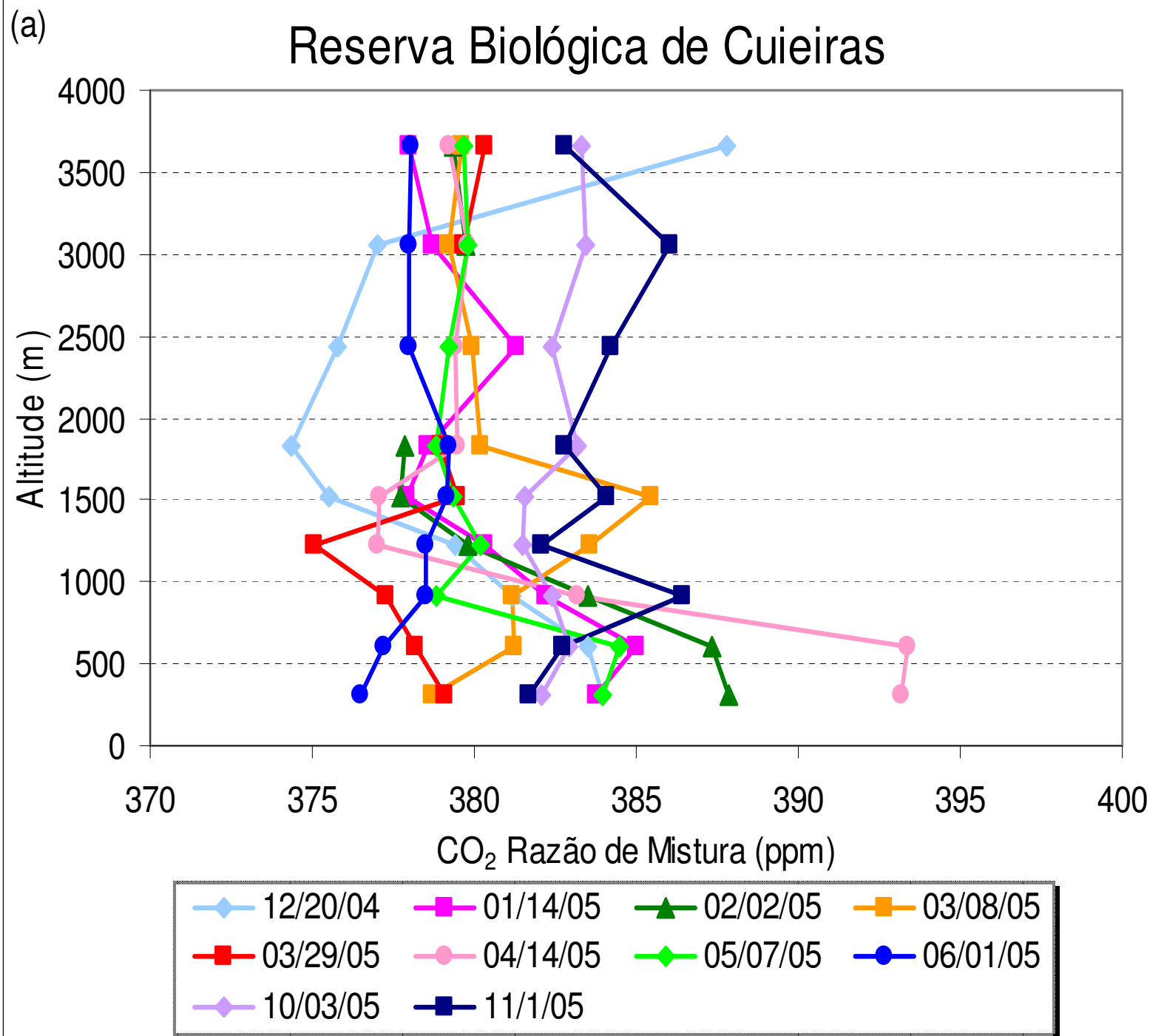
AMAZONAS

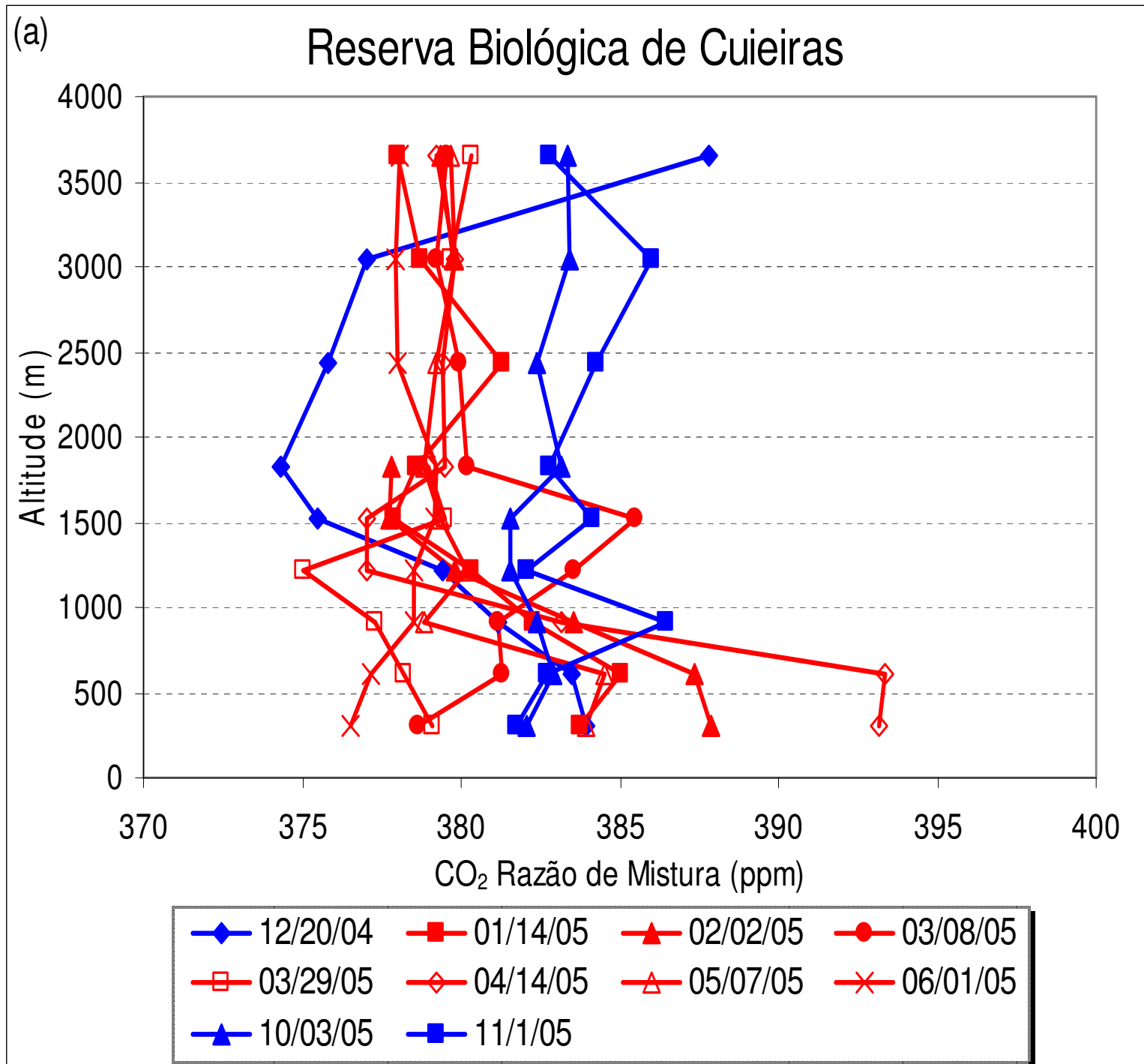
Dry and Wet Classification Reserva Biologica de Cuieiras



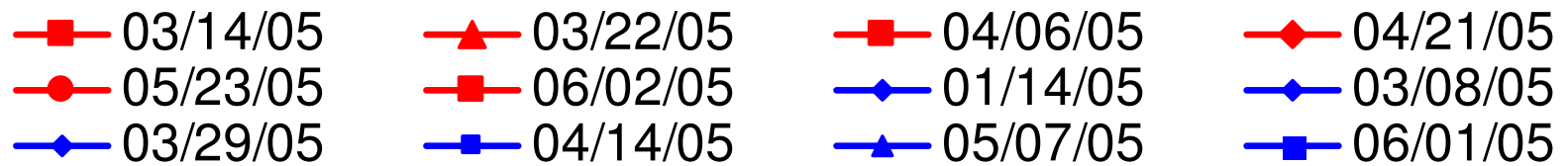
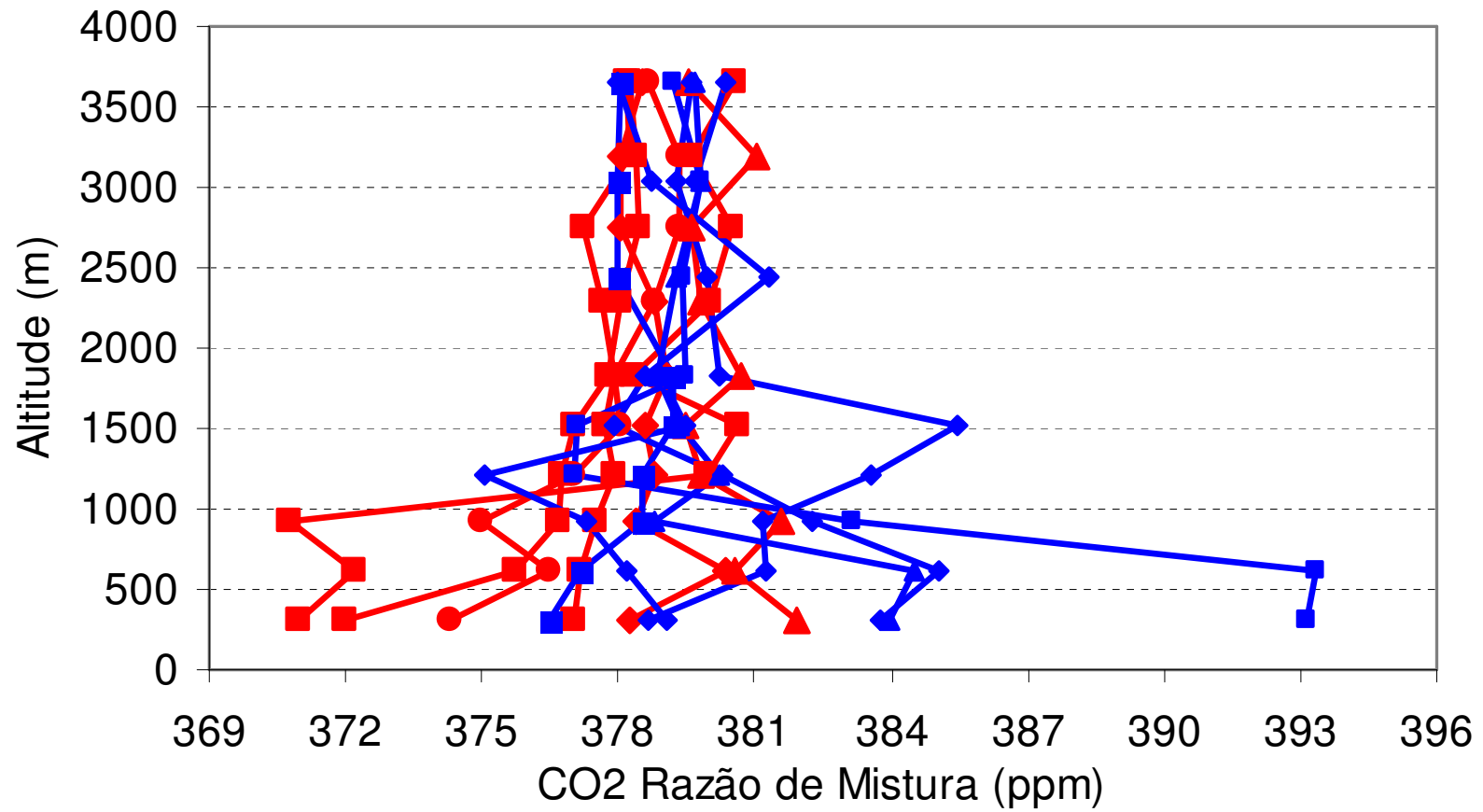
Temporal series CO2 - Res. Biol. Cuieiras







Flona Tapajós and Cuieiras - Wet 2005



Conclusions

- FNT(Pará) and Cuieiras(Am) show below-PLB significant CO₂ variations → Regional influence
- FNT indicates sink during wet and dry seasons
 - Wet season shows higher concentration than dry.
- Cuieiras shows higher concentrations than FNT below PBL (wet season)
- Cuieiras indicates source during wet season