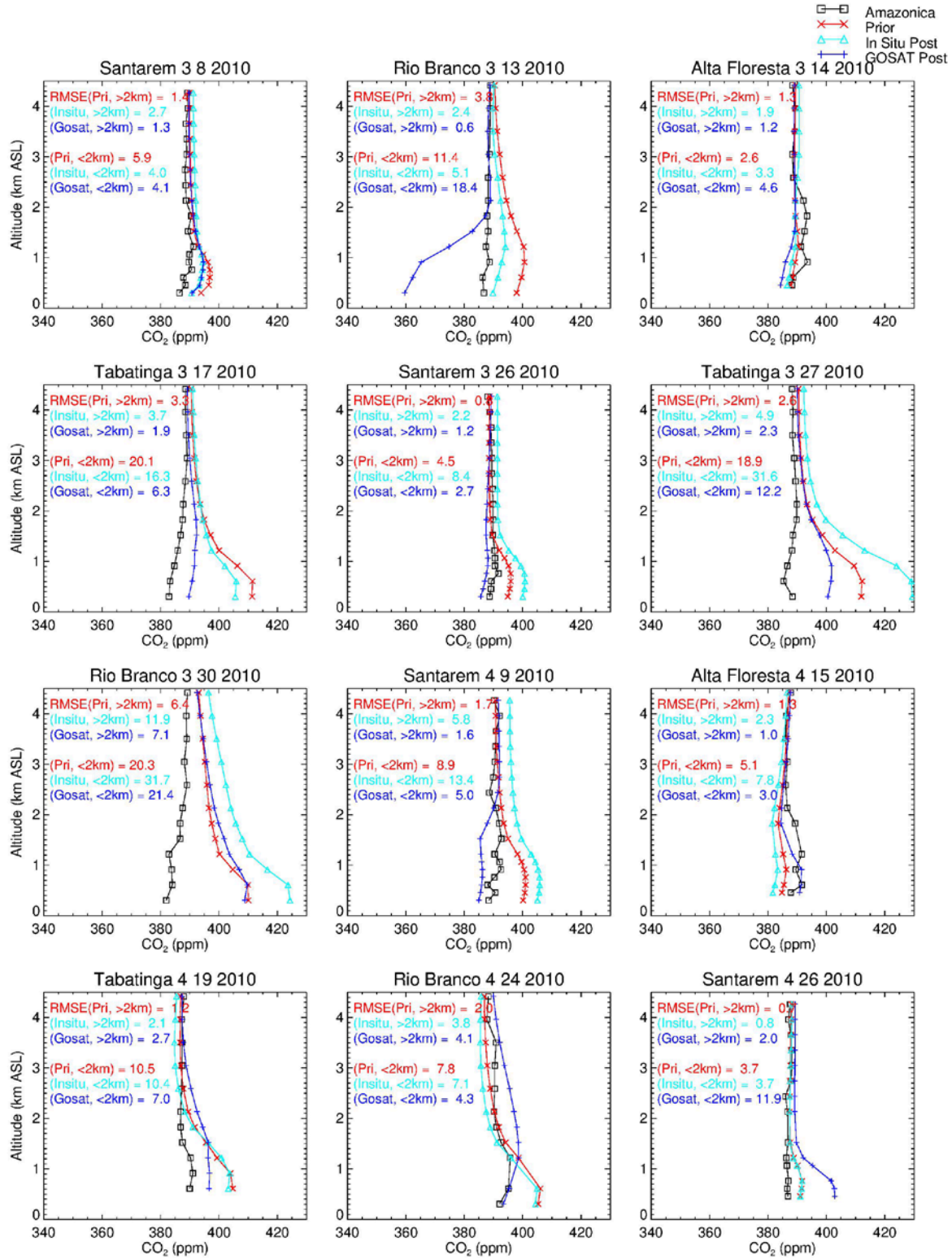
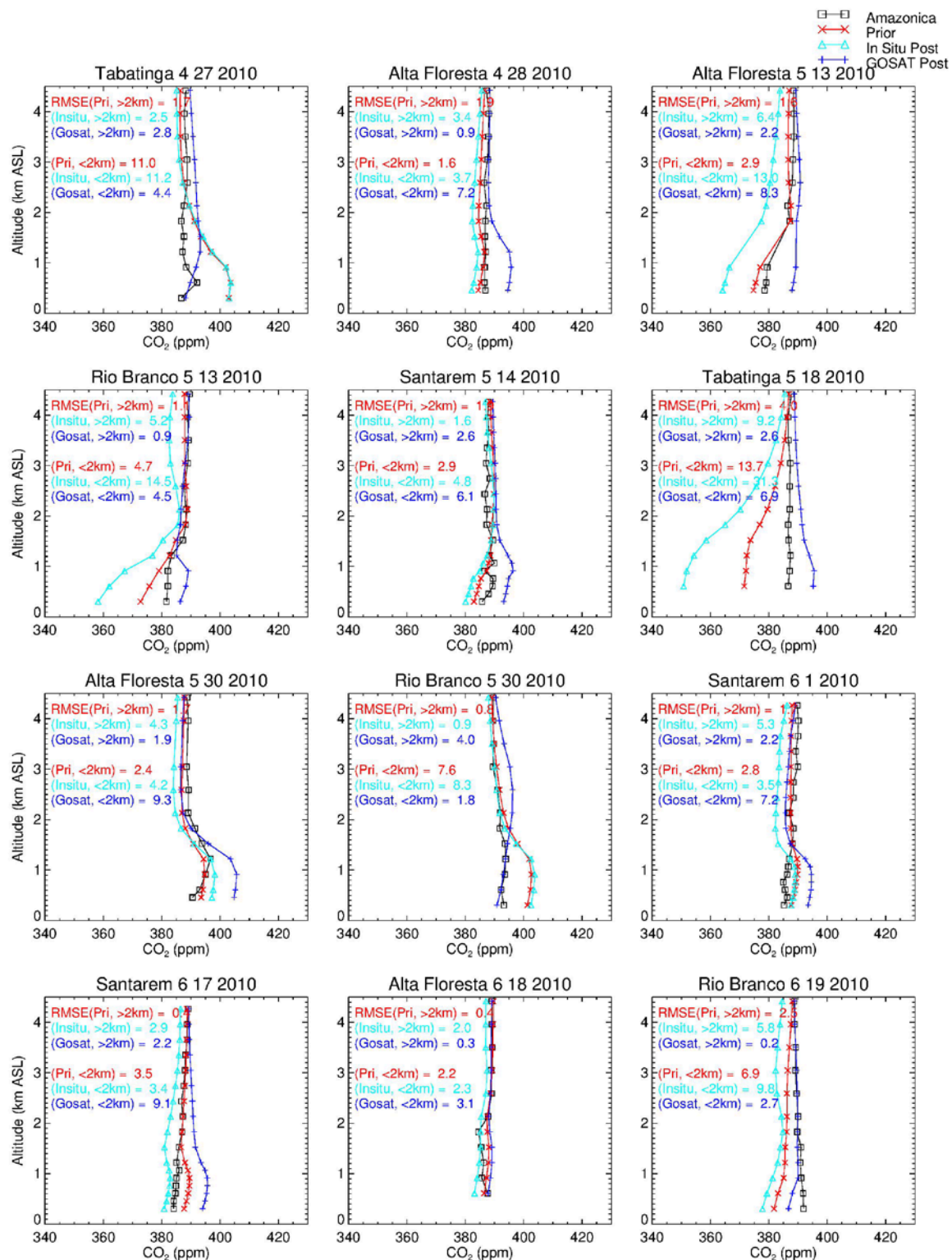


**Figure S1.** Comparison of prior, in situ-only posterior, GOSAT-only posterior, and Amazonica aircraft vertical profiles over 4 sites on different dates.

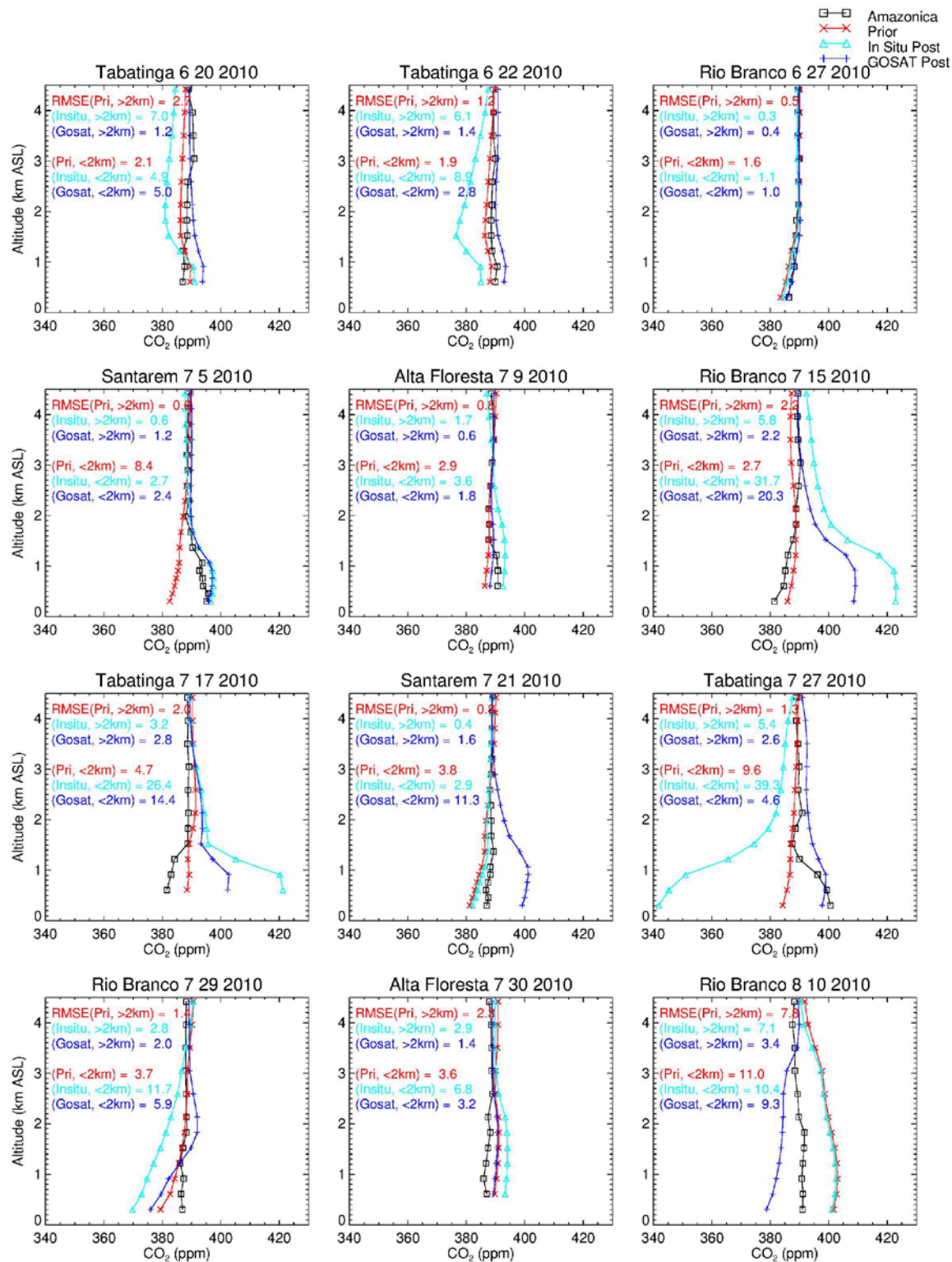


**Figure S1.** (continued)



**Figure S1.** (continued)





**Figure S1.** (continued)

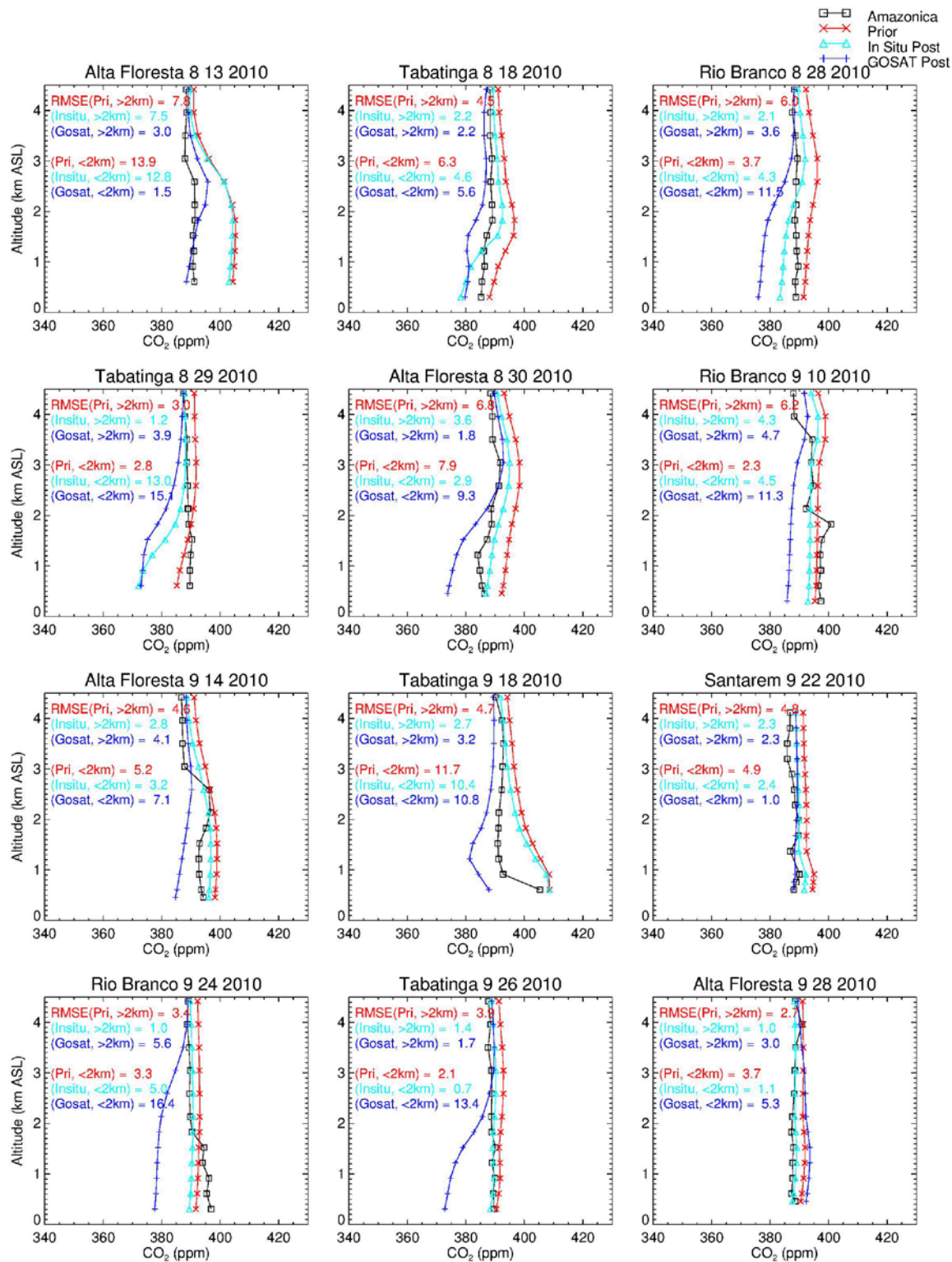


Figure S1. (continued)