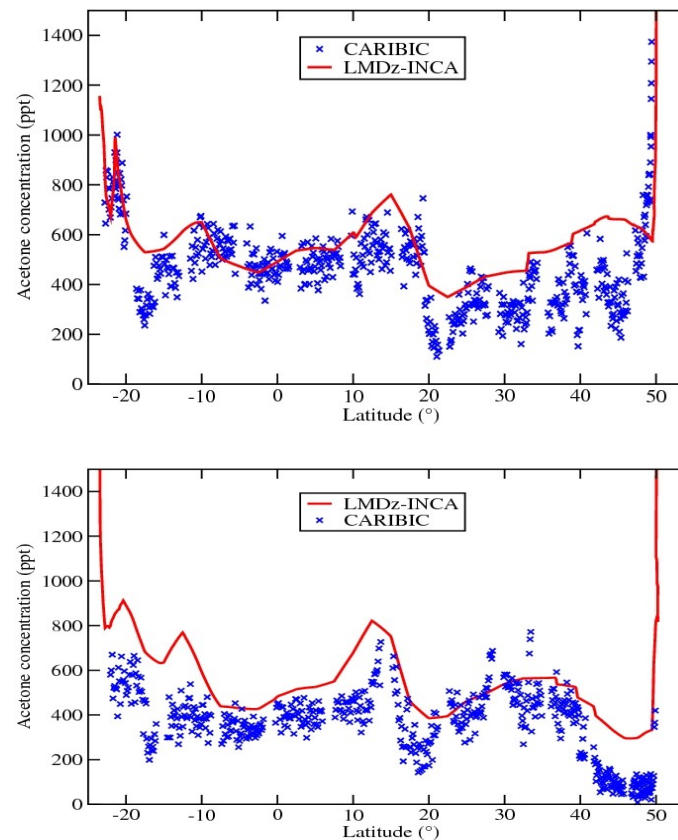


•Figure 1. Acetone concentrations (ppt) measured along the track of the #144 and #145 CARIBIC flights from Santiago De Chile (Chile) to Frankfurt (Germany) on 21 March 2006. Data are super imposed to a map depicting the spatial distribution of daily average of acetone concentration, as simulated by the chemistry-transport model LMDz-INCA.



•Figure 2. Acetone concentrations are plotted as a function of the latitude during the CARIBIC Frankfurt-Sao Paulo (a) and back (b) of 20-21 March 2006. Measurements within the CARIBIC experiment (blue cross) are compared to 30-minute resolution simulations generated by the LMDz-INCA model (red line).