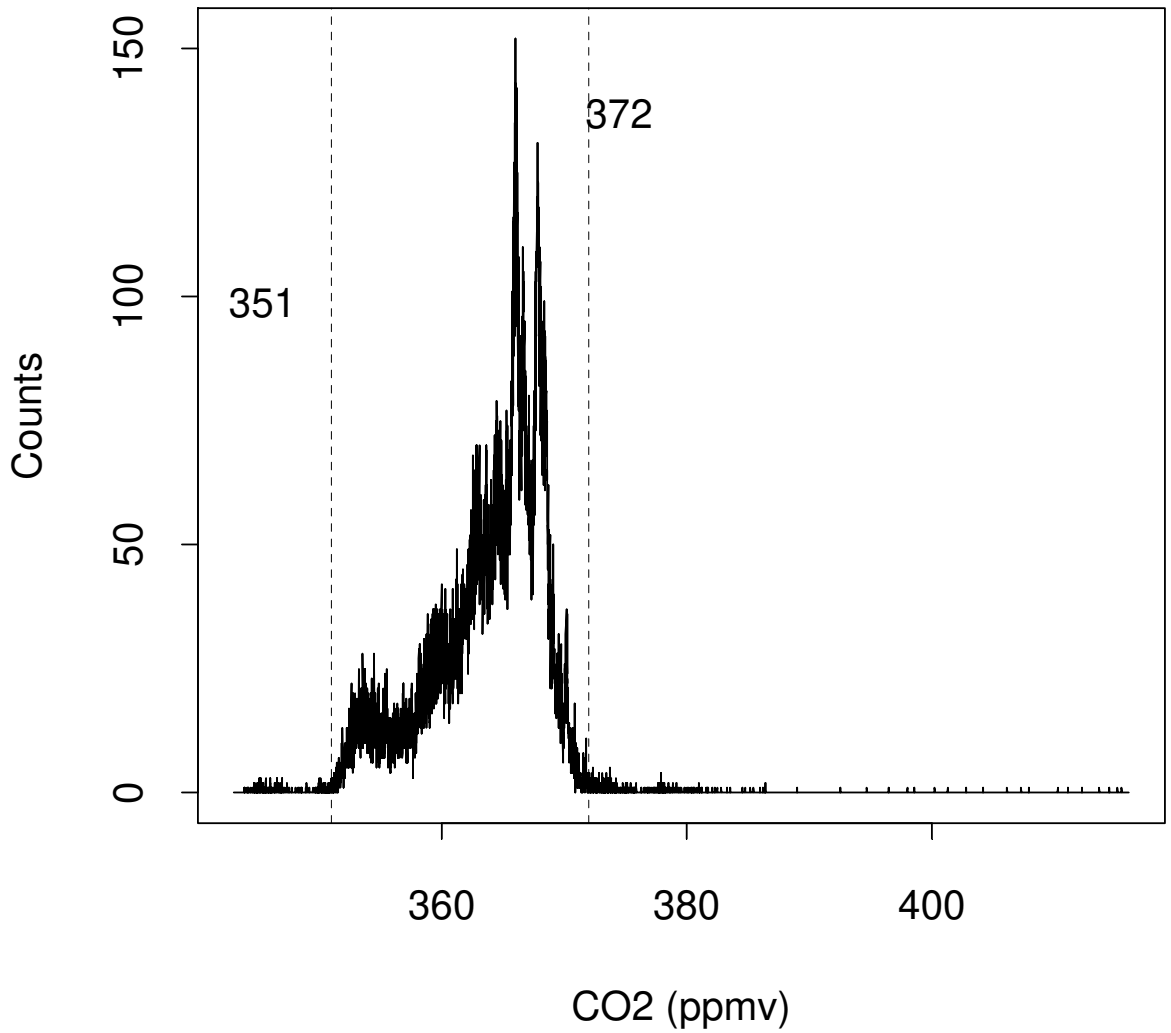PDF COBRA: AUGUST 2000