



Figure 1. Panel A: Night-time spectrum recorded June 18, 1999 at Mauna Loa using the microwave instrument (+ signs) superimposed on a spectrum calculated from the retrieved ozone profile. Panel B: Difference between measured and model spectra. Panel C: Ozone profile retrieved from the spectrum. Profiles from the co-located JPL lidar, a SAGE II overpass and a HALOE overpass all made within 24 hours of the microwave measurement are also shown.

Note: SAGE II and HALOE profiles are not comparable above about 50km as they are a mixture of day and night time ozone profiles.