



Figure 3. Top Panels: Differences between ozone profiles measured by microwave and those measured by JPL lidar, SAGE II and HALOE instruments, as well as the error weighted microwave and combined average differences ($\mu\text{Wave-inst.}/\text{avg}(\mu\text{Wave+inst.})$). Indicated time is the coincidence interval. Error bars are the root-mean-square of individual difference profiles about the averages. Bottom Panels: Corresponding relative trends calculated by linear regression. Error bars correspond to the 1 sigma confidence interval. Note: The microwave-lidar pairs used in the microwave-combined comparison analysis were reduced so that they numbered about the same as those found for SAGE II and HALOE.