

In discussing the instrument wavelength range, please change “2989.2 to 2986.4 μm ” to read “2989.2 to 2986.4 cm^{-1} ”. Since this instrument also captures the C_2H_6 line at 2990.0 cm^{-1} , somewhere in this section you should indicate the above range is for CH_4 and that the scanning wavenumber is extended to ____ cm^{-1} in order to simultaneously capture C_2H_6

Thank you for the comment. The sentences (at Line 73-75) were modified as “In the wavelength range of the instrument, corresponding to frequencies of 2989.2 to 2988.6 cm^{-1} there are three methane peaks, and all are weighted equally to determine the CH_4 mole fraction. The scanning wavenumber is extended to 2986.7 cm^{-1} in order to simultaneously capture C_2H_6 .”