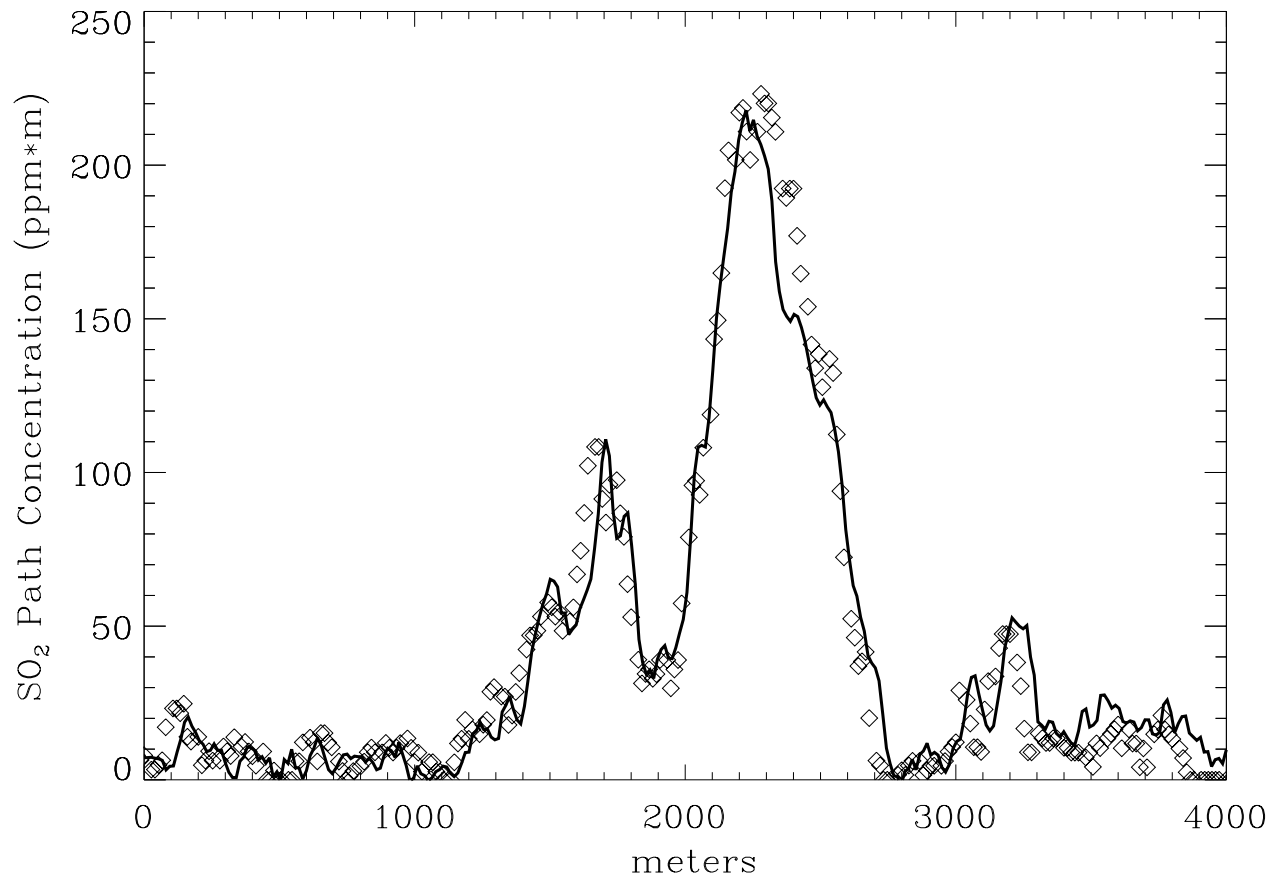
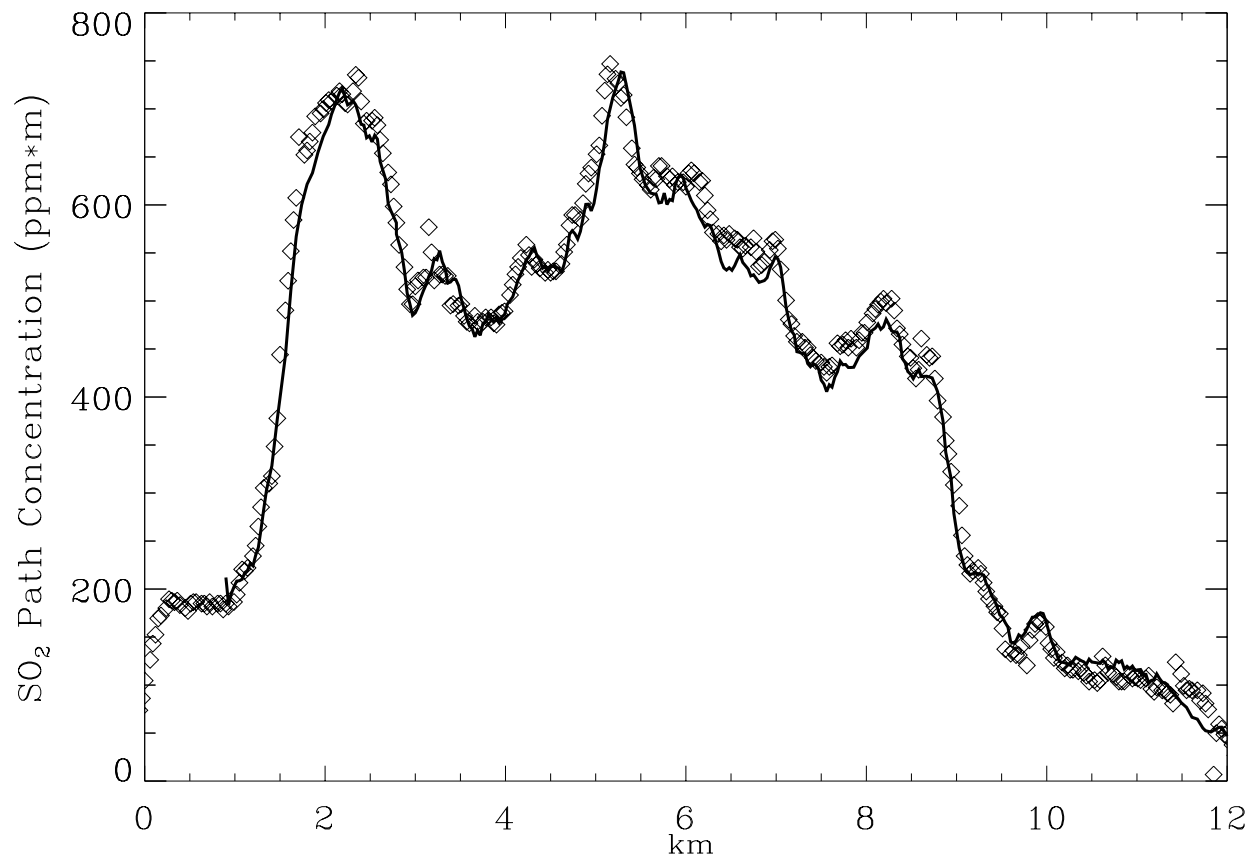


Screen shot of data collection program showing window with solar spectrum (top) and running real-time plot of SO₂ column abundance.



Profile comparing real-time FLYSPEC (line) results and reduced COSPEC (diamonds) data acquired simultaneously at Kilauea in the caldera region. Results from 5 runs gave an SO₂ emission rate of $97 \pm 17 \text{ t d}^{-1}$ for COSPEC and $95 \pm 13 \text{ t d}^{-1}$ with FLYSPEC.



Profiles of SO₂ column abundance from the Pu'u O'o plume comparing COSPEC and FLYSPEC. There is excellent agreement between the two instruments even at significantly higher SO₂ concentrations.