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These files contain normalized transmittance data of acetylene in the 1510-1545 nm wavelength region. The spectrum was obtained at NIST by scanning a narrowband tunable diode laser and measuring the power transmitted through a 5 cm long cell filled with acetylene $^{12}\text{C}_2\text{H}_2$ to a pressure of 6.7 kPa (50 Torr). The wavelength of each transmittance data point was measured using a wavelength meter with an uncertainty of 0.2 pm. These data can be downloaded in either ASCII format (tab-delimited) or Microsoft Excel (version 97) format. Each file contains 14991 transmittance values and the corresponding wavelength values.

- [SRM2517a.xls](#) is a Microsoft Excel (version 97) file
- [SRM2517a.txt](#) is an ASCII data file (tab-delimited)

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