

Contents of the HITRAN Compilation

This edition of the HITRAN compilation is described in an article in the HITRAN web-site (<http://www-cfa.harvard.edu/HITRAN/docs.html>). The compilation consists of six main folders: the HITRAN absorption line-transition database, infrared cross-sections, ultraviolet absorption data (both lin-by-line and cross-sections), tables of aerosol refractive indices, general data files, and line-coupling algorithms. The discrete line parameter portion has an enhanced format for this edition, and is now given version number 12.

All data files are in ASCII and are given in compressed form as well, either as **zip** or **gzip**. The convention for data files is to use an extension of “.par” for the line-by-line files, and extension of “.xsc” for the cross-section files.

The structure of the compilation is given in the following figure.

