THE HOT SUMMER OF HITRAN2008

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The HITRAN2008[a] database is expected to be officially released at the end of this summer. The "β-version" of the new compilation will be assembled before the HITRAN meeting which immediately follows Ohio symposium. At the HITRAN meeting, the results of the quality assessments of the "β-version", as well as suggested "last-minute" additions, will be discussed.
The new data will be comprised of the line lists that are already available on the web site (http://www.cfa.harvard.edu/hitran/updates.html) and some of the forthcoming updates. The line-by-line lists for almost all of the 39 HITRAN molecules will be updated in comparison with the previous compilation (HITRAN2004[b]). The caliber of the updates ranges from corrections to the representations of quantum assignments to complete replacements of the lists. In addition, 2 new molecules, BrO and CH_3Br, will be included. Some of the most important updates, such as for water vapor, CO_2, O_3, the oxygen A-band, etc, will be presented.

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[b]L. S. Rothman et al., JQSRT 96, 139 (2005).