	Ninth Biennial HITRAN Conference, Harvard-Smithsonian Center for Astrophysics, Cambridge MA							
	Day 1, Monday 26 June							
	Session	Presenter	Paper Title					
7:30	Registration							
9:00	Welcome	Rothman						
9:10	Keynote	Murray						
9:30		Rothman	The Quest for Consistency and Accuracy of Spectroscopic Parameters in HITRAN: Bridge between Archive and Application					
10:00	Session 1	Orphal	Diode- and difference-frequency laser studies of atmospheric molecules in the near-and mid-infrared: H <sub>2</sub> O, NO <sub>2</sub> and NH <sub>3</sub>					
10:30	Laboratory	Wagner	Water Pressure Broadening: A Never-ending Story					
	Spectroscopy		break					
11:15	(morning)	Barbe	Analysis of High-resolution Infrared CW-CRDS Spectra of Ozone in the 6000 to 6750 cm <sup>-1</sup> Spectral Region					
11:45		Perrin	Relief is on the Way: Status of the Line Positions and Intensities for Nitric Acid					
		T	Lunch Served					
13:30		Coudert	The Water Molecule: Line Position and Line Intensity Analyses up to the Second Triad					
14:00	Session 2	Boudon	Global Frequency and Infrared Intensity Analysis of <sup>12</sup> CH <sub>4</sub> Lines in the 900–4800 cm <sup>-1</sup> Region					
14:30	Theory	Gamache	Temperature dependence of N <sub>2</sub> -, O <sub>2</sub> -, and air-broadened half-widths of water vapor transitions: insight from theory and comparison with measurement					
15:00	(afternoon)	Ma	Modification of the Robert-Bonamy formalism and further refinements required					
15:30		Paynter	Using Laboratory FT-IR Spectrometer Measurements and HITRAN to Derive the Pure Water Vapour Continuum Between 3000 cm <sup>-1</sup> and 8000 cm <sup>-1</sup>					
	Poster Session 1 (afternoon)	Tennyson	Water Line Parameters from Refitted Spectra Using a New Fitting Technique					
		Zobov	Labeling of $H_2^{16}O$ , $H_2^{17}O$ and $H_2^{18}O$ synthetic line lists in the $0-26000$ cm <sup>-1</sup> range					
		Baranov	The experimental investigation of the water vapor discrete and continuum absorption in the 8 to 12 mm region at temperatures from 311 K to 352 K					
		Brünken	Measurement and Analysis of High-resolution TeraHertz Spectra of HDO and D <sub>2</sub> O					
		Gordon	A New "Diet" for Air-broadened Half-widths of Water Vapor in the HITRAN2004 Compilation					
		Hodges	High-precision measurements of H <sub>2</sub> O line intensities and broadening coefficients using frequency-stabilized cavity ring-down spectroscopy					
16:00 - 18:00		Miller	Line Mixing in Pure CO <sub>2</sub> Absorption at 6348 cm <sup>-1</sup>					
18		Tipping	Theoretical studies of the wet continuum in the terahertz windows					
. 00		Gamache	A Semi-empirical Adustment of the Vibrational Dependence of the Polarizability of Ozone for use in Line Shift Calculations					
16:(		Devi	Spectroscopic Study of Line Mixing Effects in the $v_2 + v_3$ Band of Methane					
,		Devi	Measurements and Theoretical Calculations of Self- and Air-Broadening and Shift Coefficients in the v <sub>2</sub> Band of CH <sub>3</sub> D					
		Benner	High Accuracy Laboratory Spectroscopy for Atmospheric Applications					
		Barbe	Observations of SO <sub>2</sub> spectra with a quantum cascade laser spectrometer around 1090 and 1160 cm <sup>-1</sup> . Comparison with the HITRAN database and updated calculations					
		Jacquemart	Acetylene Line Parameters in the 3.8-µm Spectral Region					
			Absolute Line Intensities in the v <sub>2</sub> Band, and Ground-state Electric Dipole Moment, of HOBr					
		Le Bris	Infrared absorption cross section of CFC-113: calculations and measurements					
		Gross	Developing a Phenomenological Model of Infrared Emissions from Detonation Fireballs for Explosives Identification					
19:00			Dinner, Inn at Harvard					

	Day 2, Tuesday 27 June							
	Session	Presenter	Paper Title					
9:00	Session 3 Remote Sensing	Flaud	Synergistic use of different atmospheric instruments: What about the spectral parameters					
9:30		Boone	Linelist Needs for the Atmospheric Chemistry Experiment					
10:00		Sen	CO <sub>2</sub> Spectroscopy Evaluation using FTS Spectra					
			break					
11:00		Brown	Infrared Laboratory Spectroscopy of CH <sub>4</sub> and CH <sub>3</sub> D for Atmospheric Remote Sensing					
11:30		Smith	Spectroscopic parameter requirements for remote sensing of terrestrial planets					
	Lunch Served							
13:30	Session 4	Plusquellic	THz Studies of Water Vapor					
14:00	Laboratory	Daumont	HDO and D <sub>2</sub> O long path spectroscopy: Ongoing Work of the Brussels-Reims Team					
14:30	Spectroscopy	Drouin	Air-broadening Ozone Linewidths in the Submillimeter Wavelengths					
15:00	(afternoon)	Jacquemart	Methyl Bromide Line Parameters in the 7.5- and 10-μm Spectral Region					
15:30	(antennoon)	Xu	High Resolution Assignment of the $v_{14}$ and $v_{16}$ Bands in the 10- $\mu$ m Region for Trans-Acrolein					
		Tennyson	Analysis of the Accuracy of Line Positions and Intensities of HDO Transitions in HITRAN 2004					
	Poster Session 2 (afternoon)	Rotger	Analysis of the spectrum of ethylene in the 800–1500 cm <sup>-1</sup> region using tensorial formalism: frequencies and intensities					
		Goldman	Improved Line Parameters for the $X^{1}\Sigma_{g}^{+}$ (1-0) IR Quadrupolar Transitions of $^{14}N_{2}$					
		Carleer	Reinvestigation of the <sup>16</sup> O <sub>2</sub> atmospheric A band by high-resolution Fourier transform spectroscopy					
		Payne	Assessment of microwave line parameters for oxygen: Comparisons between models and atmospheric measurements					
		Shephard	Implications for $v_2$ and $v_3$ CO <sub>2</sub> line parameters from atmospheric remote Sensing					
00		Toth	Line Strengths and Self-broadening Coefficients of CO <sub>2</sub> from 4600 to 7000 cm <sup>-1</sup>					
- 18:00		Jucks	The Far Infrared Outgoing Longwave Radiation (OLR) is Finally Observed					
- 0		Bernath	The Atmospheric Chemistry Experiment (ACE): Status and Results					
16:00		Fally	UV Fourier transform absorption cross-sections of benzene, toluene, ortho-, meta-, and para-xylene					
16		Chance	Global Measurements of OClO, BrO, HCHO, and CHO-CHO from the Ozone Monitoring Instrument on EOS Aura					
		Liu	The effects of different ozone cross sections on GOME ozone profile retrievals					
		Gibson	Temperature Dependence of the O <sub>2</sub> Schumann-Runge Continuum Photoabsorption Cross Section from a Coupled-channel Perspective					
		Stark	High-resolution Photoabsorption Cross-section Measurements of Sulfur Dioxide between 198 nm and 325 nm					
		Csaszar	ASpecT: Active Spectroscopic Tables					
		McHugh	Free, Fast and Accurate Online Calculation of Spectral Absorption and Radiance at www.gats-inc.com					
		Beloborodov	Use of HITRAN and UVACS databases for the task of precision ambient air control					
		Martin-Torres	Spectroscopic needs for NLTE Radiative Transfer modeling in Planetary Atmospheres					

	Day 3 (half-day), Wednesday 28 June							
	Session	Presenter	Paper Title					
9:00		Müller	Recent Developments in the Cologne Database for Molecular Spectroscopy, CDMS, and the need for further Laboratory Spectroscopic Data					
9:30		Jacquinet-Husson	Assessment of the GEISA and GEISA/IASI-03 Spectroscopic Data Quality: through Comparisons with other Public Database Archives					
10:00	Session 5	Tennyson	A Comprehensive Database for Water Spectra					
	Database		break					
10:45	(morning)	Massie	New cross sections, indices of refraction, and reflectance spectra of atmospheric interest					
11:15		Harde	MolExplorer: A New Tool for Computation and Display of Spectra from the HITRAN Database					
11:45		Dubernet	First Definition and Implementation of Standards for the Exchange of Atomic and Molecular Data					
	End of Meeting							