

Monday						
Time	Duration	Talk	Q&A	Speaker		Title
TCCON Introduction/Opening Remarks						
9:00 AM	5			Kimberly Strong		Welcome and Logistics
9:05 AM	20	15		5 Paul Wennberg		Maintaining Standards while Expanding the TCCON
Satellite Evaluation						
9:25 AM	15	10		5 Osamu Uchino		Current status of GOSAT
9:40 AM	15	10		5 Isamu Morino		Progress in GOSAT-2 and validation of the GOSAT-2 product
9:55 AM	15	10		5 Coleen Roehl		Current status of OCO-2
10:10 AM	15	10		5 Debra Wunch		OCO-2 Target-mode measurements and their comparisons to TCCON
10:25 AM	10			10 Wennberg/Uchino		TCCON support for future satellite validation efforts: lessons learned from GOSAT and OCO-2
10:35 AM	30					COFFEE BREAK
New TCCON Sites						
11:05 AM	15	10		5 TE		Update of the FTS-Paris
11:20 AM	6	5		1 Young-Suk Oh		Expected advantages of Anmyeondo Operations as TCCON site.
11:26 AM	6	5		1 Rob Parker		Setup and first data from a new FTS station in the UK
11:32 AM	30			Wennberg/Griffith/Notholt/Morino/Te		Discussion of new TCCON station status for Rikubetsu and Paris; voting if possible
12:02 PM	88					LUNCH
Data Processing I						
1:30 PM	15	10		5 Joseph Mendonca		Taking Line Mixing and Speed Dependence into account to improve TCCON retrievals
1:45 PM	15	10		5 Mattheus Kiel		Reanalysis of Karlsruhe TCCON Data
2:00 PM	15	10		5 David Griffith		Batch-processing of LINEFIT
2:15 PM	25	20		5 Geoff Toon		GGG retrieval code: recent improvements & future plans
2:40 PM	30			30 Toon		GGG Wish List Discussion
3:10 PM	20					COFFEE BREAK
Data Processing II						
3:30 PM	15	10		5 Dave Pollard		Instrumental timing errors: impacts and correction.
3:45 PM	20	15		5 Christof Petri		Time correction for the automated TCCON-sites Bialystok and Orleans and other TCCON related activities by the Bremen group.
4:05 PM	30			30 Pollard/Petri		Time correction discussion
4:35 PM	25	25		25 Toon/Wunch		Data Processing Issues (spectral fits, continuum curvature, dichroics, measurement modes, XSM, ghosts for InGaAs only)

Tuesday						
Carbon Cycle Studies I						
9:00 AM	15	10		5 Nicholas Deutscher		Comparisons of TCCON xCO ₂ to simulations with GEOS-Chem using CABLE and other biospheric fluxes
9:15 AM	20	15		5 Andreas Ostler		The imprint of stratospheric transport on column-averaged methane
9:35 AM	20	15		5 Manvendra Dubey		Photosynthetic column CO ₂ down-draw in the Amazon: New TCCON constraint for tropical carbon cycle models
9:55 AM	15	10		5 Sabrina Arnold		Out of Africa - biogeochemical signals over Ascension Island
10:10 AM	30					COFFEE BREAK
10:40 AM	15		15	Feist/Dubey/Hase		Strategy for Africa and South America Discussion
10:55 AM	5	5		Voltaire A. Velazco		Towards TCCON Tropics: Assessment and Measurements of Carbon and its Climate Impacts in Southeast Asia
11:00 AM	15		15	Morino/Griffith/Velazco		TCCON in SE Asia Discussion
11:15 AM	30		30	Warneke/Petri/Deutscher		Rapid data product delivery discussion
11:45 AM	15		15	Deutscher		ESSDD Update and discussion
12:00 PM	90					LUNCH
1:30 PM	30		30	Wennberg		Maintaining TCCON standards discussion
2:00 PM	15		15	Roehl/Feist		HCI Cell Purchase; Dichroic Purchase
2:15 PM	30	30				Poster Intros - One slide per poster; ~30s each
2:45 PM	15					COFFEE BREAK
3:00 PM	90		90			Poster Session
4:30 PM	30		30	Chairs		Wrap-up discussion (TCCON telecon attendance, voting if not already done, update Steering Committee)

Wednesday				MIR/NIR Comparisons	
9:00 AM	15	10	5	Matthaeus Kiel	MIR and NIR comparisons of trace gas retrievals based on FTIR observations in Karlsruhe
9:15 AM	15	10	5	Dan Weaver	Intercomparison of MUSICA and TCCON water vapour products
9:30 AM	15	10	5	Bavo Langerock	Harmonization and assessment of FTIR uncertainty budgets in the EU GAIA-CLIM project
Instruments					
9:45 AM	20	15	5	Matthias Frey	Instrumental calibration of COCCON EM27/SUN spectrometers as a prerequisite for the detection of Berlin CO2 emissions
10:05 AM	20	15	5	Andreas Reichert	Determination and correction of pointing errors in solar FTIR spectrometry
10:25 AM	15	10	5	Axel Keens	Bruker Atmospheric Measurement Systems News
10:40 AM	15	15		Keens/Toon	New controllers: XSM, SSM, SSP, HFL problems and solutions
10:55 AM	20				COFFEE BREAK
Emissions Measurements and Analysis					
11:15 AM	20	15	5	Mahesh Kumar Sha	Detection of CO2 emitted by the megacity Berlin using an array of portable FTIR spectrometers
11:35 AM	15	10	5	Camille Viatte	Measurements of greenhouse gases emissions from dairy farms in the Los Angeles basin using mobile Fourier Transformed InfraRed spectrometers
11:50 AM	25	20	5	Justus Notholt	Can rising CO2 cause increasing long-wave cooling of the central Antarctic atmosphere? Application of the LBL-code ALFIP.
12:15 PM	15	10	5	Wolfgang Stremme	Detection of volcanic gases from Alzomoni, Mexico + discussion
12:30 PM	90				LUNCH
Open-Path Measurements					
2:00 PM	20	15	5	David Griffith	Horizontal FTS: Long open path measurements of greenhouse gases in the Near-IR
2:20 PM	15	10	5	Aldona Wiacek	First results from open-path FTIR boundary layer measurements in Halifax, Nova Scotia, Canada
Spectroscopy					
2:35 PM	20	15	15	Geoff Toon	Spectroscopic evaluations and improvements with discussion following
2:55 PM	35				COFFEE BREAK
Site Reports and Status Updates					
3:30 PM	6	5	1	Martine De Maziere	Status of the FTIR measurements at Ile de La Reunion
3:36 PM	6	5	1	David Griffith or Nicholas Jones	UoW/Wollongong/Darwin activities
3:42 PM	60	60		Hannigan/Blumenstock/Wennberg/Notholt/Griffith	NDACC/TCCON Discussions (next year; TCCON/NDACC intercalibration plans; wrap-up)

POSTERS					
	Brendan Byrne				Modeling CO2 fluxes at East Trout Lake, Saskatchewan: What could be learned about the boreal forest carbon cycle with a new TCCON site?
	Isamu Morino				Status of Tsukuba and Rikubetsu TCCON sites
	Eric Dupuy				Comparison of the XH2O product (NIES V02.21) from GOSAT SWIR measurements with data (GGG2012) from the TCCON network
	Rigel Kivi				Carbon dioxide and methane measurements at Sodankylä
	Jacob Hedelius				Mobile-FTS Validation and Comparison of Mobile-FTS XCO2 with OCO-2 in the Greater Pasadena Area
	Sebastien Roche				Comparison between the CO2 products from the Environment Canada Carbon Assimilation System and the Total Carbon Column Observing Network
	Shuji Kawakami				Site report of Saga, Japan
	Akiko Shishime				Treatment of ghost for Tsukuba FTS spectra measured with an InGaAs detectors (following the method by Nicholas Deutscher)
	Jorge Baylon				CO2 variability in Central Mexico
	Joon-sik Cho				Improvement of the Site-Specific Cloud Filtering Method Using AERI Spectrum at Anmyeon island, South Korea
	Ralf Sussmann				Spatiotemporal variability of water vapor investigated by lidar and FTIR vertical soundings above the Zugspitze
	Voltaire A. Velazco				Towards TCCON Tropics: Assessment and Measurements of Carbon and its Climate Impacts in Southeast Asia
	Debra Wunch				A Forward/Reverse Problem in the Caltech TCCON Data
	Isao Murata				Temporal variation of methane profile observed with FTIR at Tsukuba
	Mathias Palm				Poster: Validation of O3 measurements at Ny Alesund, Paramaribo and ship cruise measurement using colocated O3 sonde measurements
	Emmanuel Mahieu				Overview of the recent results derived from the Jungfraujoch observational database
	Sabine Barthlott				MUSICA-update
	Masanori Takeda				FTIR Measurements of Atmospheric Trace Gases at Syowa Station in 2014/15 Antarctic Summer
	Alexander Geddes				Refurbishment of a DA2 FTIR for a Balloon Flight Campaign
	Isao Murata				Temporal variation of methane profile observed with FTIR at Tsukuba
	Mathias Palm				Poster: Validation of O3 measurements at Ny Alesund, Paramaribo and ship cruise measurement using colocated O3 sonde measurements
	Alex Cabaj				Temperature Dependent Absorption Cross-sections of Perfluorotributylamine
	Masanori Takeda				FTIR Measurements of Atmospheric Trace Gases at Syowa Station in 2014/15 Antarctic Summer
	Maria Makarova				FTIR observations of tropospheric gases near Saint-Petersburg (Russia)
	Sophie Tran				Trace gas retrievals at 2 Arctic sites using emission spectr.: is the atmos. comp. different betw. Eureka, Nunavut and Barrow, Alaska?
	Omaira García				Quality Assessment of the IASI Operational Trace Gas Products by using g.-b. Fourier Transform Spectr. at the Izaña Atmospheric Obs.
	Alexander Geddes				Refurbishment of a DA2 FTIR for a Balloon Flight Campaign