TCCON Meeting

June 12, 2023

MONDAY

9:00 AM	10	WELCOME FROM LOCAL ORGANIZING COMMITTEE	
9:10 AM	15	TCCON Welcome	Debra Wunch
9:25 AM	20	Analysis of the sources influencing ground-based observations of CO2, CO and CH4 at Xianghe, China using WRF-GHG	Sieglinde Callewaert
9:45 AM	15	Using High Arctic TCCON Stations to Validate Modelled Carbon Monoxide and Methane	Erin McGee
10:00 AM	15	Temporal variation and seasonal trends of greenhouse gases from ground-based FTIR measurements at Hefei site, China	Changgong Shan
10:15 AM	15	How well does OCO-2 capture the true seasonal cycle of carbon dioxide?	Matthäus Kiel
10:30	30	BREAK	
11:00	20	GGG Updates	Geoff Toon
11:20	15	Garmisch positive dip update	Ralf Sussmann
11:35	15	Improvements to the GGG2020 carbonyl sulphide prior profile at the East Trout Lake TCCON station	Liz Cunningham
11:50	15	TCCON extension to lower wavenumbers / InGaAs-InSb setup and first mid-infrared retrievals from the sites Bremen, Nicosia and Orleans	Christof Petri
12:05	25	A roadmap for GGG2020.1 and GGG202X	Joshua Laughner
12:30	60	LUNCH	
13:30	15	Status of GOSAT and GOSAT-2 observations and validations 2023	Isamu Morino
13:45	20	FRM4GHG-2, an ESA project to measure greenhouse gases and beyond, also with low resolution spectrometer. Progress during phase II	Justus Notholt
14:05	20	ESA Sentinel-5 Precursor Validation concept and Fiducial Reference Measurement activities, including COCCON, NDACC, TCCON	Angelika Dehn
14:25	15	Progress in GOSAT-GW	Hirofumi Ohyama
14:40	20	Overview of Cal/Val plans for CO2M	Bojan Bojkov
15:00	20	MicroCarb update and validation needs	Denis Jouglet
15:20	10	DISCUSSION WITH SATELLITE TEAMS	ALL
3:30 PM	30	BREAK	
4:00 PM	120	DISCUSSIONS & ELECTIONS	
6:00 PM		END OF MEETING	

TCCON/COCCON Joint Meeting

June 13, 2023

TUESDAY			
9:00	15	New sites at Porto Velho, Brazil, and Kolkata, India	Mahesh Kumar Sha
9:15	15	TCCON Nicosia site update	Constantina Rousogenous
9:30	15	Can we see the impact of Indigenous burning practices from the Darwin TCCON site?	Clare Paton-Walsh
9:45	15	Long-term variability characteristics of FTS Spectra at Anmyeondo, Korea	Young-Suk Oh
10:00	25	Solar FTS measurements with a fibre optic coupled suntracker: side by side comparisons with EM27/SUN, TCCON and Aircore measurements	David Griffith
10:30	30	BREAK	
11:00	15	Australian AirCore	Nicholas Deutscher
11:15	5	Welcome to COCCON & EM27/SUN session	Frank Hase
11:20	20	GGG2020 Retrievals of the EM27/SUNs and comparisons with TCCON and satellite retrievals	Nasrin Mostafavi Pak
11:40	15	COCCON data processing: PROFFAST Ver 2.0	Frank Hase
11:55	20	Extended preprocessing tool for COCCON	Frank Hase
12:15	15	Calibration of PROFFAST 2 and comparison with TCCON-KA and TCCON-SO	Benedikt Herkommer
12:30	60	LUNCH	
13:30	15	PROFFASTpylot: Realizing an operational workflow for PROFFAST2	Lena Feld
13:45	15	GHG observations at the COCCON Tsukuba site	Matthias Max Frey
14:00	15	Methane Observation Study in Coal Mine Aggregation Areas in China	Qiansi Tu
14:15	20	COCCON activities during the La Palma volcano eruption: gases and aerosols observations	Noemie Taquet/Omaira Garcia
14:35	15	Carbon monoxide distribution in Mexico City: Comparison of ground and space based measurements.	Wolfgang Stremme
14:50	20	Total greenhouse gases column measurements in the Paris region	Josselin DOC
15:10	20	The COCCON Travel Standard. Results from Tsukuba, ETL and Wollongong	Benedikt Herkommer
15:30	30	BREAK	
16:00	45	Wrap up discussion Tuesday TCCON / COCCON talks	all
16:45	5	Lightning talks for posters for those not in attendance	Saswati Das
16:50	70	Joint TCCON/COCCON Poster Session	
18:00		END OF MEETING	

POSTERS

#1	Saga, Japan site report 2023	Kei Shiomi
#2	Inferring the vertical distribution of CO and CO2 from TCCON total column values using the TARDISS algorithm	Josh Laughner
#3	Status of the Burgos TCCON site 2023	Isamu Morino
#4	TCCON Station Update for NASA Armstrong Site	Laura Iraci
#5	ITCZ migration and atmospheric trace gases at the Burgos TCCON site	Isamu Morino
#6	Harwell TCCON site: updates and on-going projects	Damien Weidmann
#7	Investigating XCH4 over New Zealand	Dave Pollard
#8	FTS and AirCore observations at Sodankylä, Finland	Rigel Kivi
#9	COCCON-Spain: Towards an Integrated Greenhouse Gas Observation System in Spain	Omaira García
#10	Overview ISPRS (International Society for Photogrammetry and Remote Sensing) activities	Frank Hase
#11	Performance of the broad band KBR T304/2 for TCCON and NDACC measurements	Mathias Palm, Matthias Buschmann
#12	Analysis of Satellite-based XCO2 measurements from OCO-2 against Ground-based TCCON and COCCON measurements	Saswati Das
#13	Status of the Tsukuba TCCON and COCCON site and the Rikubetsu TCCON site 2023	Isamu Morino
#14	Several EM27/SUN GHG measurement campaigns carried out in China	Minqiang Zhou
#15	Overview of the TCCON and COCCON research activities at the Paris site	Té
#16	Greenhouse gas measurements in Mexico	Michel Grutter
#17	Assessment of TROPOMI and GOSAT CH4 at northern high latitudes using TCCON and COCCON measurements	Tomi Karppinen
#18	A live preview tool to estimate detector non-linearity	Matthias Buschmann
#19	Urban and tropical EM27/SUN network for satellite validations, observations and verification of greenhouse gas emissions	Morgan Lopez
#20	Analyzing greenhouse gas emissions characteristics using the COllaborative Carbon Column Observing Network (COCCON)	Jonghyuk Lee
#21	Greenhouse Gas Observation Using Mobile FTIR in Korea	Jeongsoon Lee
#22	Comparing AirCore and EM27s during the 2022 Broken Hill campaign	Dave Pollard
#23	First analysis of greenhouse gas observations in Seoul using portable ground-based spectrometers	Hayoung Park
#24	Progress towards GEMINI-UK: a national network of ground-based spectrometers to measure column concentrations of GHGs over UK	Neil Humpage
#25	CH4 from landfill in Mexico City	Luis Hernandez Gutierrez