

Sixth TEMPO Science Team Meeting Agenda
June 6-7, 2018, UCAR Center Green Campus CG1
3080 Center Green Dr., Boulder, CO, 40.03169N 105.24576W

Day 1

Time	Presenter	Title
0900	D. Edwards, K. Chance, B. Lefer	Greetings and logistics
Instruments		
0920	K. Chance, D. Nicks, S. Hall	TEMPO introduction and status
0950	D. Flittner	TEMPO characterization
1010	J.E. Davis	Instrument Operation Center
1030	Coffee and posters	
1100	J. Houck	Science Data Processing Center, including 0-1 processor
1120	M. Dussault	Strategic communication
1140	J. Kim	GEMS status
1200	Lunch	
1330	B. Veihelman	Sentinel-4 status
1350	P. Levelt	TROPOMI status
1410	D. Diner	Update on MAIA
1430	U. Cortesi	AURORA, TEMPO, and GEMS cooperation
1450	C. Sioris	Canadian developments for TEMPO
Data and algorithms		
1510	X. Liu, J. Houck	0-1 algorithm, polarization correction
1530	Coffee and posters	
1600	X. Liu	Ozone retrieval
1620	C. Chan Miller	Synthetic data
1640	G. González Abad	Trace gas algorithms
1700	J. Geddes	NO ₂ strat-trop separation
1720	Adjourn day 1	
1900	No host dinner	The Pub on Wilderness, 2880 Wilderness Place, Boulder (walking distance)

Day 2

Time	Presenter	Title
Validation		
0900	M. Newchurch	Validation overview and planning
0930	J. Herman	Pandora measured diurnal variation of formaldehyde
0950	R. Swap	Progress in ground validation sites
1010	J. Szykman/L. Valin	Update on EPA TEMPO activities
1030	Coffee and posters	
1100	J. Al-Saadi, L. Judd	GeoTASO spatial scales and TEMPO
Data distribution and early adopters		
1120	T. Moore	Summary of 2018 early adopters workshop
1140	K. Chance et al.	The roadmap to data distribution for applications
1200	Lunch	
1330	All	Discussion of the roadmap
1400	E. Berndt	SpoRT as a pathway to TEMPO applications
1420	P. Zoogman	Agricultural applications for TEMPO
Science studies		
1440	C. Nowlan	Trace gases at high spatial scales from aircraft
1500	M. Cooper	NO ₂ and snow
1520	R. Silvern	Decadal trends in OMI NO ₂ observations and the importance of the upper troposphere
1540	Coffee and posters	
1610	L. Lamsal	NO ₂ activities at GSFC
1630	M. Chin	Geostationary observations of aerosol optical properties and opportunities for air quality applications
1650	J. Zhang	OMI surface UV
1710	Adjourn day 2	

Posters

Presenter	Title
J. Bak	Cross-verification of simulated GEMS tropospheric ozone retrievals and ozonesonde measurements over Northeast Asia
J. Bak	Improving the retrieval accuracy and long-term consistency of ozone profile and tropospheric ozone measurements from the OMI on EOS Aura
Y. Jung	Study of aerosol effects on AMF calculation for trace gas retrievals
H. Wang	OMI water vapor: A pathway to TEMPO
H. Zhang	Evaluation of OMI surface UV irradiance in the continental United States: Implications for TEMPO
B. Wang	Understanding the vertical profile of tropospheric O ₃ by lidar and WRF-Chem with the application to TEMPO
L. Iraci	Proposed routine trace gas measurements over the Western United States for TEMPO validation
J. Wang	Using the O ₂ A and B bands to retrieve aerosol height
G. Frost	Potential NOAA contributions to TEMPO validation and applications
P. Sellitto	Ozone profile activities in the UK
Q. Liang	HAMAQ and TEMPO
J. Laughner	Validating a high resolution regional NO ₂ retrieval: Lessons applicable to TEMPO

Presentations will be made from a single MacBook (K. Chance's).

There will be a conference speaker phone connection.

The meeting will be webcast but not on WebEx. Remote presenters should get their slides to me (numbered, please!) and we will present them at your direction. We are working to develop WebEx or similar.

Remember that this is a workshop-type meeting so there is no need to over-massage your slides.

We would like to post the presentations on tempo.si.edu, with permissions from the presenters.

There will be an opportunity to beautify and sanitize them before they are posted.

Most talks are 20 minutes due to popular demand and the need to cover essential material. Please don't be upset if you are assigned poster status. The schedule is tight, so please keep talks to time, including 5 minutes for questions. 15 minutes is plenty of time to cover a selected topic, especially if you rehearse. We have left a lot of time for discussion in the breaks in any case.

As always, TEMPO Science Team meetings are blue jeans and T-shirt casual.

See you in Boulder! Kelly