TEMPO DART Team Meeting (Hybrid)

15-Jun-26

University of Iowa, Iowa City

default local time zone: CDT

to adjust to your local time, enter offset below

UTC offset of your local time zone: -5.00 hours

Local time	UTC time			Duration
Welcome and Introductions (Chair: Jun Wang)				
9:00 AM	14:00	Welcome / Opening Remarks	Jun Wang and Dr. Ann McKenna (Univ. Iowa)	10
9:10 AM	14:10	Meeting Logistics	Bri Milano (NASA ARC)	5
9:15 AM	14:15	NASA Earth System Science Research Program: What These Changes Mean For TEMPO DART	Emma Knowland (NASA HQ)	10
9:25 AM	14:25	Program Perspective (GEMS/NIER) (pre-recording)	Ji-won Seong (NIER Director General)	5
Mission Status Updates (Chairs: Emma Knowland and Xiong Liu)				
9:30 AM	14:30	TEMPO Status	Xiong Liu (CfA)	10
9:40 AM	14:40	Status of GEMS - Operation over 5 years (pre-recording)	Jhoon Kim (Yonsei Univ.)	10
9:50 AM	14:50	GeoXO Status	Shobha Kondragunta (NOAA)	10
10:00 AM	15:00	Sentinel-4 Status (virtual)	Ben Veihelmann (ESA)	10
10:10 AM	15:10	Sentinel-5 Status (virtual)	Rasmus Lindstrot (EUMETSAT)	10
10:20 AM	15:20	Sentinel-5p Status (virtual)	Timon Hummel (ESA)	10
10:30 AM	15:30	Coffee Break		30
Data and Algorithms Status, Part 1 (Chairs: Zachary Fasnacht and Gonzalo Gonzalez Abad)				
11:00 AM	16:00	TEMPO L1 Status	Heesung Chong (CfA)	10
11:10 AM	16:10	TEMPO Solar Calibration Status	Dave Flittner (NASA LaRC)	10
11:20 AM	16:20	TEMPO CLDO4 Product Updates	Helen Wang (CfA)	10
11:30 AM	16:30	TEMPO NO2 Algorithm Status (virtual)	Caroline Nowlan (CfA)	10
11:40 AM	16:40	TEMPO HCHO Product Updates	Gonzalo Gonzalez Abad (CfA)	10
11:50 AM	16:50	TEMPO Total Ozone and Ozone Profile Algorithm: Current Status, Updates, and Evaluation	Junsung Park (CfA)	15
12:05 PM	17:05	GEOS-CF Version 2 Update	Fei Liu (NASA GSFC) *on behalf of Viral Shah*	10
12:15 PM	17:15	Q&A		15
12:30 PM	17:30	Lunch Break		90
Data and Algorithm Status, Part 2 (Chairs: Gonzalo Gonzalez Abad and Joe Palmo)				
2:00 PM	19:00	NOAA TEMPO-ABI Hybrid Aerosol Detection Product (virtual)	Hai Zhang (STC / NOAA) *on behalf of Pubu Ciren*	10
2:10 PM	19:10	TEMPO AOD-ALH and PM2.5 Products Update (virtual)	Hai Zhang (STC / NOAA)	10
2:20 PM	19:20	Hourly Smoke AOCH Retrievals in Contiguous United States: Synergy of Geostationary Satellites TEMPO and ABI/GOES-R	Xi Chen (Univ. Iowa)	10
2:30 PM	19:30	TEMPO Near UV Aerosol Algorithm	Omar Torres (NASA GSFC)	10

2:40 PM	19:40	Q&A		10
2:50 PM	19:50	TEMPO SO_2 Retrievals: First Results and Potential Applications	Can Li (NASA GSFC)	10
3:00 PM	20:00	TEMPO UV Irradiance Product	Nickolay Krotkov (NASA GSFC)	10
3:10 PM	20:10	Application of PCA to Reduce TEMPO L1 Data Noise and Speed Up Forward Modeling (virtual)	Xu Liu (NASA LaRC)	10
3:20 PM	20:20	Extending TEMPO to Ocean Color: An AI/ML Approach for Monitoring the Oceans from TEMPO	Zachary Fasnacht (STC / NASA GSFC)	10
3:30 PM	20:30	Solar-Induced Chlorophyll Fluorescence from TEMPO	Thomas Kurosu (JPL)	10
3:40 PM	20:40	Using TEMPO to See Diurnal Patterns in GPP (virtual)	Matthew Bandel (STC / NASA GSFC)	10
3:50 PM	20:50	Q&A		10
4:00 PM	21:00	Afternoon Break		30

TEMPO Data Validation, Part 1 (Chair: Claudia Bernier and Katherine Travis)

4:30 PM	21:30	Pandora and GCAS Project Validation Activities	Thomas Hanisco (NASA GSFC)	10
4:40 PM	21:40	Intercomparing Results of TEMPO NO_2 V3 and V4 using GCAS	Laura Judd (NASA LaRC)	10
4:50 PM	21:50	Cross-Satellite Comparison of TEMPOv04 NO_2 and HCHO Products	Madankui Tao (CfA)	10
5:00 PM	22:00	Updates from ECCC: Validation Efforts and New Airmass Factors (virtual)	Debora Griffin (ECCC)	10
5:10 PM	22:10	Q&A		10
5:20 PM	22:20	TOLNet Overview	Fernando Chouza Keil (JPL)	10
5:30 PM	22:30	TEMPO Ozone Profile Validation in the Troposphere using TOLNet	Matthew Johnson (NASA ARC)	10
5:40 PM	22:40	Pandora MAX-DOAS Trace Gas Profiling in Support of TEMPO: Status and Validation Challenges	Apoorva Pandey (NASA GSFC / UMBC)	10
5:50 PM	22:50	Q&A		10
6:00 PM	23:00	Adjourn		

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Geo Ring Synergy (Chairs: Shobha Kondragunta and Emma Knowland)				
9:00 AM	14:00	Session Introduction	Shobha Kondragunta (NOAA)	5
9:05 AM	14:05	Framework for L1B Calibration Across Multiple GEO Sensors	Heesung Chong (CfA)	10
9:15 AM	14:15	GEMS and TEMPO Bias Correction with TROPOMI (virtual)	Yujin Oak (UNIST)	10
9:25 AM	14:25	PEGASOS project (virtual)	Timon Hummel (ESA)	10
9:35 AM	14:35	GEO Ring Project of NIER	Hyeji Cha (Yonsei Univ.) *on behalf of Jhoon Kim*	10
9:45 AM	14:45	GEO-LEO-imager AOD (virtual)	Robert Levy (NASA GSFC)	10
9:55 AM	14:55	DA for L2 Product Harmonization Across Multiple GEO Sensors	Brian McDonald (NOAA)	10
10:05 AM	15:05	Q&A / Discussion		25
10:30 AM	15:30	Coffee Break		30
TEMPO Data Validation, Part 2 (Chairs: Apoorva Pandey and Dan Pheonix)				
11:00 AM	16:00	Effects of Wildfire Smoke on TEMPO and Pandora Agreement over Whittier, California	Peter Peterson (Whittier College)	10
11:10 AM	16:10	Pandonia Global Network for Validating TEMPO HCHO and Ozone	Jingqiu Mao (Univ. Alaska - Fairbanks)	10
11:20 AM	16:20	Validation of TEMPO O3 profile and NO2 column with TOLNet/RO3QET and SeaRey measurements	Mike Newchurch (Univ. Alabama - Huntsville)	10
11:30 AM	16:30	Evaluation of TEMPO Aerosol Data Products Against In-situ Aerosol Measurements from the 2023 AEROMMA Airborne Field Mission (virtual)	Han Huynh (CU CIRES / NOAA CSL)	10
11:40 AM	16:40	Bridging Local Data Gaps in Western Mexico: An LLM-Integrated Framework using GEOS-CF for Automated Air Quality Diagnostics	Andrés Rodríguez (Univ. Guadalajara)	10
11:50 AM	16:50	Q&A		10
12:00 PM	17:00	Group Photo		15
12:15 PM	17:15	Lunch Break		90
Science and Applications, Part 1 (Chairs: Jessie Zhang and Dale Allen)				
1:45 PM	18:45	Assimilation of TEMPO NO2 and HCHO to Constrain Emissions and Air Quality Forecasts using an Ensemble Kalman Filter	Brian McDonald (NOAA) *on behalf of Daven Henze*	10
1:55 PM	18:55	Advancing TEMPO NO2 Utilization: 4DEnVar Data Assimilation, Emission Inversion, and Near Real-Time Forecast Monitoring with GEOS-CF/JEDI	Maryam Abdi-Oskouei (GMAO / GESTAR II)	10
2:05 PM	19:05	Advancing Surface NO2 and NOx Emission Estimates through TEMPO and Model Integration	Dan Goldberg (George Washington Univ.)	10
2:15 PM	19:15	Assimilation of TEMPO Aerosol Layer Height into the Unified Forecast System	Brian McDonald (NOAA)	10
2:25 PM	19:25	Q&A		10

2:35 PM	19:35	Investigating the Diurnal Relationship of Surface Emissions to Slant Columns	Jeffrey Geddes (Boston Univ.)	10
2:45 PM	19:45	Fine-Tuning Earth System Foundation Models to Predict Fire-Related Near-Ground NO_2 during the 2024 Park Fire using TEMPO Observations	Hugo Lee (JPL)	10
2:55 PM	19:55	Aerosol-Corrected TEMPO NO2 Retrievals over Biomass Burning Plumes	Joe Palmo (MIT)	10
3:05 PM	20:05	Challenges in Biomass-Burning – Influenced TEMPO NO_2 and HCHO Retrievals and Paths Toward Improvement	Yuhang Wang (Georgia Tech)	10
3:15 PM	20:15	Using the Integrated Observing System for Air Quality to Improve Our Understanding of Urban NO2 Pollution in New York	Tabitha Lee (NASA LaRC (ORAU))	10
3:25 PM	20:25	Q&A		10
3:35 PM	20:35	Transition Break		5
3:40 PM	20:40	Poster Lightning Talks	SC 3655	25

TEMPO DART Poster Session: Seamans Center Lobby

4:05 PM	21:05	Poster Session	Lobby	175
7:00 PM	0:00	Adjourn		

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Application and Stakeholder Needs, Part 1 (Chairs: Xiaohua Pan and Laura Judd)				
9:00 AM	14:00	MIO and NASA Health and Air Quality Program	John Haynes (NASA HQ)	10
9:10 AM	14:10	Building a Community of Practice for the TEMPO Mission	Aaron Naeger (NASA MSFC)	10
9:20 AM	14:20	TEMPO Applications to Air Quality Management	Tracey Holloway (Univ. Wisconsin - Madison)	10
9:30 AM	14:30	Atmospheric Science Data Center (ASDC): TEMPO Data Services	Alexander Radkevich (ADNET/ NASA LaRC / ASDC)	10
9:40 AM	14:40	Connecting the TEMPO Community with Health and Air Quality Information Needs through HAQAST	Jenny Bratburd (Univ. Wisconsin - Madison)	10
9:50 AM	14:50	Q&A		10
10:00 AM	15:00	Stereoscopic Retrieval of Aerosol Top Height from the TEMPO–GOES Geostationary Constellation	Guanyu Huang (Stony Brook Univ.)	10
10:10 AM	15:10	TEMPO & ABI Aerosol Observations of Recent Smoke & Dust Air Quality Events	Amy Huff (STC / NOAA)	10
10:20 AM	15:20	Use of TEMPO Data at Georgia EPD	Asher Mouat (Georgia EPD) *on behalf of Byeong-Uk Kim*	10
10:30 AM	15:30	Daily-peak NO_2 Exposure and Respiratory Emergency Department Visits using TEMPO Geostationary Observations	Ivan Gutierrez-Avila (ISM Mt. Sinai)	10
10:40 AM	15:40	Geostationary Satellite Observations Resolve Transboundary Ozone Dynamics and Their Association with Sleep Health (virtual)	Aodong Mei (Univ. Texas - HSC) *on behalf of Yun Hang*	10
10:50 AM	15:50	Q&A		10
11:00 AM	16:00	Coffee Break		30
Application and Stakeholder Needs, Part 2 (Chairs: Jeff Geddes and Dan Goldberg)				
11:30 AM	16:30	Advancing Wildfire Monitoring with TEMPO and ML Tools: Hourly Smoke and Fire-Front Mapping and Near-Surface NO_2 Predictions	Xiaohua Pan (NASA GSFC / ADNET)	10
11:40 AM	16:40	Exploring TEMPO Data Needs for Compound Event Analysis (virtual)	Min Huang (Univ. Maryland)	10
11:50 AM	16:50	NO_2 Variability over Offshore Oil and Gas along the U.S. Gulf Coast: Observations from TEMPO and the SCOAPE-II Campaign	Niko Fedkin (STC / NASA GSFC)	10
12:00 PM	17:00	High-resolution Column NO2 from GCAS: Implications and Synergy with Pandora and Satellite Observations	Jonguk Park (NASA GSFC)	10
12:10 PM	17:10	Closing the Spatial Gap in Ozone Monitoring with TEMPO and Machine Learning	Dan Anderson (UMBC / NASA GSFC)	10
12:20 PM	17:20	Application of TEMPO Data in the INjected Smoke and PYRocumulonimbus Experiment (INSPYRE) (virtual)	David Peterson (NRL)	10
12:30 PM	17:30	Q&A		15
12:45 PM	17:45	Lunch Break		90
Science and Applications, Part 2 (Chairs: Yuhang Wang and Tabitha Lee)				
2:15 PM	19:15	Status of TEMPO Aerosol and Trace Gas Work at NOAA	Shobha Kondragunta (NOAA)	10
2:25 PM	19:25	Informing Monitoring Strategies for Ozone and PM2.5 using TEMPO HCHO	Katherine Travis (NASA LaRC)	10
2:35 PM	19:35	TEMPO NO_2 Observations of a Brushfire-Influenced High-Ozone Event in Austin, Texas	Alberto Mestas-Nunez (Univ. Texas - San Antonio)	10

2:45 PM	19:45	Observations of Late Afternoon Lightning NOx Production from TEMPO Case Studies over the United States	Dale Allen (Univ. Maryland)	10
2:55 PM	19:55	Combining SMOL Lidar and GEOS-CF Model Results to Investigate Elevated Ozone Events in the Southwest United States during Summer 2025	Thierry Leblanc (JPL)	10
3:05 PM	20:05	Q&A		10
3:15 PM	20:15	Afternoon Break		30

TEMPO at Night (Chairs: Jim Carr and Jun Wang)

3:45 PM	20:45	TEMPO Version 4 Twilight Radiances	Jim Carr (Carr Astronautics)	10
3:55 PM	20:55	Illuminating Inequality: Spectral Nighttime Light and Its Links to Circadian Health and Socioeconomic Patterns	Zhixin Xue (Univ. Iowa)	10
4:05 PM	21:05	NASA's Black Marble: Earth at Night and Artemis II (virtual)	Miguel Román (NASA GSFC)	10
4:15 PM	21:15	The Value of TEMPO Observations of Artificial Light for Night Research (virtual)	Chris Kyba (Ruhr-Universität Bochum)	10
4:25 PM	21:25	Nighttime Light Radiative Transfer Model	Jun Wang (Univ. Iowa)	10
4:35 PM	21:35	Q&A		10
4:45 PM	21:45	Transition Break		15

Concurrent Sessions

TEMPO Product Training (Chairs: Aaron Naeger and Hazem Mahmoud)

5:00 PM	22:00	Product Training Introduction	Naeger, Mahmoud, Huff	5
5:05 PM	22:05	Data Product Overview and Use Case Demonstration	Aaron Naeger (NASA MSFC)	20
5:25 PM	22:25	TEMPO Data Access and Visualization	Hazem Mahmoud (ADNET / NASA LaRC / ASDC)	40
6:05 PM	23:05	Hands-on Google Colab Python Tutorials for TEMPO Aerosol Products	Amy Huff (STC / NOAA)	40
6:45 PM	23:45	Product Training Adjourns		

TEMPO DART Poster Session: Seamans Center Lobby

5:00 PM	22:00	Poster Session	Lobby	120
7:00 PM	0:00	Poster Session Adjourns		

TOLNet Team Side Meeting (Chairs: Fernando Chouza Keil and Mike Newchurch)

5:00 PM	22:00	TOLNet Team Side Meeting	SC 4602	120
7:00 PM	0:00	TOLNet Side Meeting Adjourns		

Iowa Spaceflight Laboratory Tour (Chair: Jun Wang)

5:00 PM	22:00	Iowa Spaceflight Laboratory Tour	Van Allen Hall	60
6:00 PM	23:00	Tour Adjourns		

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Science and Applications, Part 3 (Chairs: Amir Souri and Dien Wu)				
8:30 AM	13:30	A Large Catalog of Soil NOx Emission Pulses in the Agricultural Midwest: Evidence for Mechanisms Driving Emissions	Ronald Cohen (UC Berkeley)	10
8:40 AM	13:40	Improve Source Attributions over Agricultural Areas	Dien Wu (Colorado State)	10
8:50 AM	13:50	Classification of Daylight HCHO Hourly Variability Across North America and Comparison Against WRF-CMAQ: Insights from TEMPO's First Growing Season in 2024	Amir Souri (NASA GSFC / GESTAR II)	10
9:00 AM	14:00	Source and Sink Attributions from Satellites using Deep Learning Models (virtual)	Kang Sun (Univ. Buffalo)	10
9:10 AM	14:10	Q&A		10
9:20 AM	14:20	Coffee Break		20
Science and Applications, Part 4 (Chairs: Fei Liu and Emma Knowland)				
9:40 AM	14:40	Automated NO_2 Plume Detection and Emission Quantification Using TEMPO	Qindan Zhu (CfA)	10
9:50 AM	14:50	Quantifying Point Source NOx Emissions from TEMPO	Samuel Beaudry (UC Berkeley / CfA)	10
10:00 AM	15:00	High-Resolution Mapping of Urban NOx Emissions from TEMPO Tropospheric Nitrogen Dioxide Columns	Fei Liu (GSFC / GESTAR II)	10
10:10 AM	15:10	Estimation of Urban NOx Emissions over Major U.S. Cities using TEMPO and TROPOMI Observations	Shobha Kondragunta (NOAA) *on behalf of Zigang Wei*	10
10:20 AM	15:20	Q&A		10
10:30 AM	15:30	Wrap-Up/Adjourn		10
Operator Performance Laboratory Tour (Chair: Jun Wang)				
10:45 AM	15:45	Operator Performance Laboratory Tour at Iowa City Airport	Off-campus (transport provided)	60
11:45 AM	16:45	Tour Adjourns		

2026 TEMPO DART Poster Sessions

Tuesday, June 16 (4:05pm - 7pm)
Wednesday, June 17 (4:40pm - 6:40pm)
Seamans Center Lobby
****posters organized by last name****

#	Title	Name	Affiliation
1	Quantification of NOx Emissions from New York Metro Area using Airborne and TEMPO Observations	Sunil Baidar	CIRES, UColorado Boulder, and NOAA CSL
2	Surface Characterization of 0 - 2 km Ozone Subcolumns across Urban Environments during STAQS	Claudia Bernier	NASA AMES / BAERI
3	Enabling TEMPO-ABI Synergies	Jim Carr	Carr Astronautics
4	GEMS HONO Retrieval Algorithm	Hyeji Cha	Yonsei University
5	Development and Evaluation of GEMS AOD Version 3.0	Yujin Chai	Yonsei University
6	Constraining Fire Emission Factor from Satellite	Weizhi Deng	University of Iowa
7	TEMPO Special Observations	Jean Fitzmaurice	SAO TEMPO Operations
8	Irrigation Optimization in a POMDP Environment Using AquaCrop Model	Mahan Hajiabbasi	University of Iowa
9	~~Impact of Climatological versus Near-Real-Time CTM Fields on GEMS NO_2 Retrievals~~	~~Hyunkee Hong~~	~~NIER~~
10	Joint Retrieval of Aerosol Optical Depth and Surface Reflectance from TEMPO Hyperspectral Observations using UVAI and a Residual-based Spectral Consistency Index	Weizhen Hou	Center for Astrophysics | Harvard & Smithsonian
11	First Detection of Fire-emitted Potassium Emission Lines and OCO-2	William Julstrom	University of Iowa
12	TEMPO Nighttime Lights Applications	Virginia Kalb	Science and Technology Corporation
13	Data Assimilation of TEMPO Observations of Nitrogen Dioxide to Improve Ozone Forecasting	Chengzhe Li	University of Iowa
14	Efficient Data Assimilation of TEMPO Observations with a Machine Learning Emulator	Eric Mei	Center for Astrophysics | Harvard & Smithsonian
15	Accelerating TEMPO Science Discovery through Open Science: Centralizing Resources for the TEMPO Community	Xiaohua Pan	NASA GSFC / ADNET
16	GEOS-CF Forecast Evaluation Using TOLNet Ozone Profiles	Daniel Phoenix	NASA LaRC
17	Evaluation of Pandora Surface NO2 and HCHO Products	Bryan Place	NASA GSFC / Sciglob
18	Comparison of Gas Columns Retrieved by TEMPO and Pandora: Update on Data, Tools, and Results	Alexander Radkevich	ADNET / NASA LaRC / ASDC
19	Low-Cost Distributed Ground Sensors for High-Resolution Environmental Validation	Rafael Rangel de la Tejera	University of Iowa
20	Informing Monitoring Strategies for Ozone and PM2.5 Using TEMPO HCHO	Prajjwal Rawat	Hampton University
21	Towards Validation of TEMPO HCHO and NO2 Columns Utilizing In-situ Observations over Baltimore	Johanna Rinaman Canet	NASA GSFC / University of Maryland BC
22	Multi-Source Observations for Understanding Pollution Distribution	Maurice Roots	NASA GSFC NPP / TOLNet
23	Retrieval of Aerosol Optical Centroid Height (AOCH) using TEMPO Oxygen B Band: Algorithm Development and Preliminary Results	Inderjeet Singh	University of Iowa
24	Comparisons of the TEMPO Ozone Profile Product with Ground-Based Ozone Lidar and Applications to Air Quality Studies over New York City	Yonghua Wu	City College of New York
25	Using Satellite Observations to Identify Agricultural NOx Emission Hotspots for FarmFlux Flight Planning	Jessie Zhang	University of Iowa

2026 TEMPO DART Team Meeting Overview

Draft agenda overview, updated June 17

Main venue: SC 3655, Seamans Center, University of Iowa

	Monday June 15	Tuesday June 16	Wednesday June 17	Thursday June 18
8:00:00 AM	8:00 - 9:00 AM (1 hr) **Onsite registration and badge pickup**			
8:15:00 AM				
8:30:00 AM				8:30 - 9:20 AM (50 min) **Science and Applications, Part 3**
8:45:00 AM				
9:00:00 AM	9:00 - 9:30 AM (30 min) **Opening Remarks / Program Overview**	9:00 - 10:30 AM (1 hr 30 min) **Geo Ring Synergy**	9:00 - 11:00 AM (2 hrs) **Application and Stakeholder Needs, Part 1**	
9:15:00 AM				
9:30:00 AM	9:30 - 10:30 AM (1 hr) **Mission Updates**			
9:45:00 AM				9:40 - 10:30 AM (50 min) **Science and Applications, Part 4**
10:00:00 AM				
10:15:00 AM				
10:30:00 AM				10:30 - 10:40 AM (10 min) **Wrap-up/Adjourn**
10:45:00 AM				10:45 - 11:45 AM (1 hr) **Operator Performance Lab Tour** *(Iowa City Airport)* *transport provided*
11:00:00 AM	11:00 AM - 12:30 PM (1 hr 30 min) **Data and Algorithms Status, Part 1**	11:00 AM - 12:00 PM (1 hr) **Data Validation, Part 2**		
11:15:00 AM				
11:30:00 AM			11:30 AM - 12:45 PM (1 hr 15 min) **Application and Stakeholder Needs, Part 2**	
11:45:00 AM		**GROUP PHOTO**		
12:00:00 PM				
12:15:00 PM				
12:30:00 PM				
12:45:00 PM				
1:00:00 PM				
1:15:00 PM				
1:30:00 PM				
1:45:00 PM		1:45 - 3:35 PM (1 hr 50 min) **Science and Applications, Part 1**		
2:00:00 PM	2:00 - 4:00 PM (2 hrs) **Data and Algorithms Status, Part 2**		2:15 - 3:15 PM (1 hr) **Science and Applications, Part 2**	
2:15:00 PM				
2:30:00 PM				
2:45:00 PM				
3:00:00 PM				
3:15:00 PM				
3:30:00 PM		3:40 - 4:05 PM (25 min) **Poster Lightning Talks**		
3:45:00 PM			3:45 - 4:45 PM (1 hr) **TEMPO at Night**	
4:00:00 PM		4:05 - 7:00 PM (2 hrs 55 min) **Poster Session** *(Lobby)*		
4:15:00 PM				
4:30:00 PM	4:30 - 6:00 PM (1 hr 30 min) **Data Validation, Part 1**			
4:45:00 PM				
5:00:00 PM			5:00 - 6:45 PM (1 hr 45 min) **Product Training**	5:00 - 7:00 PM (2 hrs) **Poster Session** *(Lobby)*
5:15:00 PM				
5:30:00 PM				5:00 - 7:00 PM (2 hrs) **TOLNet Side Meeting** *(SC 4602)*
5:45:00 PM				
6:00:00 PM				5:00 - 6:00 PM (1 hr) **Iowa Spaceflight Lab Tour** *(Van Allen Hall)*
6:15:00 PM				
6:30:00 PM				
6:45:00 PM				