

ISSI DA Meeting Agenda July 4-8, 2022

Monday – Start at 9:30

9:30-9:45 ISSI Introduction (Mark Sargent, ISSI)

Team member introductions (1-2 slides, ~5 min each)

Nick - Group discussion on team goals/outcomes

Lunch Break

Sean – TI Data Assimilation

Eric (presented by Nick) – Data assimilation and Driver Estimation in the Upper Atmosphere and Ionosphere

Jianhui – EnKF data assimilation system and OSSE

17:00 – ISSI Welcome Drinks

Tuesday

Koichi (remote) – TIEGCM+DART

Jiuhou (remote) – Thermospheric density observations/IT Data Assimilation

Tim – TIEGCM+DART

Lunch Break

Elvira – Ionosphere observations

Eelco – Space weather validation at KNMI and thermosphere observations

Claudia – Ionosphere observations / DA at DLR

Wednesday

Xinan (remote) – Development of Sanya Incoherent Scatter Radar and Preliminary Results

Yihui Cai (remote) - Altitude extension of NCAR-TIEGCM and evaluation

Charles (remote) – F7/C2 & Ionosphere DA

Tomoko – TI Data Assimilation / high-latitude forcing assimilation

Lunch Break

Nick – WACCMX+DART

Thursday

Discussion on future team directions

- Comparison of DA models
- Improved validation with observations
- Forward operators
- Summary paper and/or white paper for Heliophysics Decadal Survey

Lunch Break

Presentations on new models & observations?

Friday – End by noon

Discussion of short-term collaborations and plans

Small group discussions