**DSCOVR EPIC and NISTAR STM**

**Tue Sep 28**

**Intro/Project/Web/Archive**

**Session Chair: Adam Szabo**

 10:00 Welcome and update (Szabo/Marshak/Herman)

 10:10 HQ (Kaye)

 10:25 GSFC (Platnick)

 10:35 DSCOVR Program Scientist (Eckman)

 10:45 DSCOVR status (Szabo, Raab)

 10:55 DSOC overview and EPIC website (Hostetter)

11:05 ASDC DSCOVR Update (Baskin/Larson)

**EPIC Level 1 data reprocessing and calibration**

**Session Chair: Adam Szabo**

11:15 Cede (EPIC L1 updates)

11:35 Blank (Update on geolocation)

11:50 Sutton (EPIC Level 2 processing)

12:05 Geogdzhaev (Calibration of the DSCOVR EPIC visible and NIR channels using multiple LEO radiometers)

12:25 Doelling (Verifying the EPIC calibration stability using invariant targets and using EPIC to radiometrically scale multiple MODIS and VIIRS sensors)

**Lunch:** 12:40-2:00

**NISTAR**

**Session Chair: Steven Lorentz**

2:00 Smith/Yu/Lorentz (NISTAR level 1A and 1B processing developments)

2:20 Su (Determining the global daytime fluxes from DSCOVR)

2:40 Weaver (Shortwave energy from an EPIC-AVIRIS composite compared with CERES and NISTAR)

2:55 Lim (An investigation on seasonal and diurnal cycles of TOA shortwave radiation from DSCOVR/EPIC, CERES, MERRA-2, and ERA5)

**Science with the DSCOVR NISTAR and EPIC observations**

3:10 Lacis (NISTAR and EPIC-based climate diagnostics)

3:30 Feldman (Analyzing the variability in the Earth's reflected shortwave radiation as a red-noise process)

3:45 Valero (Lagrange point missions)

**Break:** 4:00-4:15

**EPIC Science and Products**

**Session Chair: Jay Herman**

4:15 Kramarova (Evaluation of EPIC Version 3 total ozone columns: comparisons with ground-based and satellite measurements)

4:35 Ziemke (A new tropospheric ozone data product derived from DSCOVR EPIC v3 measurements)

4:55 K. Yang (DSCOVR EPIC O3 and volcanic SO2: Algorithm and product status)

5:15 Carn (Largest volcanic eruptions of the DSCOVR mission observed by EPIC: Raikoke and La Soufriere (St. Vincent))

**Wed Sep 29**

**EPIC Science and Products (Aerosols)**

**Session Chair: Marshall Sutton**

10:00 Torres (Enhanced EPIC aerosol products)

10:20 Lyapustin (Advanced aerosol retrieval and atmospheric correction in v2 MAIAC EPIC algorithm)

10:40 Go (Aerosol chemical speciation from EPIC)

10:55 Wang/Lu (Recent advances in aerosol optical centroid height retrieval from EPIC)

**Lunch:** 11:10-1:30

**EPIC Science and Products (Clouds)**

**Session Chair: Alexander Marshak**

1:30 Y. Yang (Version 3 of EPIC cloud products: Improvements and assessments)

1:50 Zhou (Cloud detection over sunglint regions with observations from EPIC)

2:05 Davis (EPIC/DSCOVR as pathfinder in O2 absorption spectroscopy)

2:20 Bonal (Diurnal cloud height patterns observed with DSCOVR/EPIC)

**Break:** 2:35-3:00

**EPIC Science and Products (Vegetation)**

3:00 Knyazikhin (DSCOVR EPIC L2 V. 2 vegetation Earth system data record: product status)

3:20 Myneni (Update on vegetation hot spot signatures from synergy of EPIC/DSCOVR and EOS/SUOMI sensors to monitor changes in global forests)

3:40 Pisek (Exploring the potential of DSCOVR EPIC data to retrieve clumping index in Australian terrestrial ecosystem research network observing sites)

**Break:** 3:55-4:15

**Science with the DSCOVR EPIC observations**

**Session Chair: Alexander Marshak**

4:15 Kostinski/Varnai/Marshak (Deep space observations of terrestrial glitter)

4:30 Varnai (Deep space observations of sun glints. A new EPIC product)

4:45 Frouin (EPIC ocean surface PAR product: Status and evaluation)

**Thu Sep 30**

**Science with the DSCOVR EPIC observations**

**Session Chair: Carl Hostetter**

10:00 Wen (Observing and understanding solar eclipse induced global spectral reflectance reduction from DSCOVR/EPIC)

10:15 Gorkavyi (Earth imaging from the lunar surface with an EPIC-type camera)

10:30 Song (Identification and analysis of Southern Ocean cyclones with DSCOVR-EPIC observations)

10:45 Penttilä (Temporal variation on the spherical albedo of the Earth from EPIC images)

11:00 Marshak (The effect of SEV on EPIC and NISTAR observations)

**Summary and Discussion**

11:15 (Eckman/Szabo/Marshak/Herman)