**DSCOVR EPIC and NISTAR STM**
**October 6-8, 2020 (Virtual)**

# Tue Oct 6

**Intro/Project/Web/Archive**
**Session Chair: Adam Szabo**
10:00 Welcome and update (Szabo/Marshak/Herman)
10:10 GSFC (Platnick) & HQ (Eckman)
10:30 DSCOVR status (Szabo)
10:40 DSOC overview and EPIC website (Hostetter/Pearce)
10:50 ASDC DSCOVR Update (Groenen/Baskin/Paul)

**EPIC Level 1 data and reprocessing**
**Session Chair: Adam Szabo**
11:00 EPIC L1a status update (Cede/McCauley)
11:15 Geolocation status and update to color processing algorithm (Blank)
11:30 Level 2 processing (Sutton)

**Break:** 11:45-12:00

**EPIC Calibration**
**Session Chair: Carl Hostetter**
12:00 UV channels (Huang)
12:15 Visible and NIR channels (Geogdzhaev/Marshak)
12:30 O2 channels (Kowalewski/Marshak)
12:40 Monitoring the calibration of the DSCOVR EPIC V3 L1b product using MODIS and VIIRS as a reference (Haney/Doelling)

**Lunch:** 1:00-2:00

**NISTAR**
**Session Chair: Steven Lorentz**
2:00 Smith/Yu/Lorentz (NISTAR Update)
2:20 Su (Determining the daytime Earth's radiative fluxes from DSCOVR)
2:40 Weaver (Comparison of AVIRIS spectra with visible EPIC channels over clear and cloudy ocean scenes)

**Science with the DSCOVR NISTAR observations**
3:00 Lacis (EPIC vs GCM: Longitudinal Variability of Planetary Albedo and Cloud Radiative Properties)
3:20 Feldman (Sub-diurnal to seasonal analysis of NISTAR, EPIC, and CERES shortwave flux observations and comparisons with models)

**Break:** 3:40-4:00

**EPIC Science and Products**
**Session Chair: Jay Herman**
4:00 Kramarova (Status of the Ozone products from the DSCOVR EPIC Instrument)
4:20 K. Yang (Improvement of SO2 Algorithm and Validation of Total Ozone from DSCOVR EPIC)

# Wed Oct 7

**EPIC Science and Products**

**Session Chair: Marshall Sutton**

10:00 Carn (Comparison of DSCOVR/EPIC UV and geostationary IR SO2 retrievals in volcanic eruption clouds)
10:20 Torres (EPIC's view of the unprecedented 2020 US West coast wild fire season)
10:40 Lyapustin (Update on EPIC MAIAC V2 Algorithm)

**Break:** 11:00-11:20

**EPIC Science and Products (cont.)**

**Session Chair: Alexander Marshak**

11:40 Y. Yang (EPIC L2 cloud products update)
12:00 Frouin (Update on radiation products for ocean biogeochemistry from EPIC data)
12:20 Knyazikhin (DSCOVR EPIC L2 Vegetation Earth System Data Record: Product Status)
12:40 Myneni (Vegetation Hot Spot Signatures from Synergy of EPIC-DSCOVR and EOS/SUOMI Sensors to Monitor Changes in Global Forests)

**Lunch:** 1:00-2:00

**Science with the DSCOVR EPIC observations**

**Session Chair: Alexander Marshak**

2:00 Alex Kostinski (Deep Space Observations of Terrestrial Glitter)
2:20 Tamas Varnai (Deep Space Observations of Sun Glints: Spectral and Seasonal Dependence)
2:40 Alfonso Bonal (Daily variability of cloud amount from EPIC observations)

**Break:** 3:00-3:20

**Science with the DSCOVR EPIC observations**

**Session Chair: Jay Herman**

3:20 Guoyong Wen (Reduction of spectral radiance reflectance during the annular solar eclipse of 21 June 2020 from DSCOVR/EPIC)
3:40 Jun Wang (Application of EPIC to study Saharan dust transport climatology diurnally and vertically)
4:00 Nick Gorkavyi (CONOPS for a Lunar observatory vs EPIC/DSCOVR)
4:20 Yaping Zhou (EPIC cloud observations with Oxygen bands over snow, ice and sunglint regions)

**Discussion**

4:40

# Thu Oct 8

**Science with the DSCOVR EPIC observations (cont.)**
**Session Chair: Alexander Marshak**
10:00 Jerry Ziemke (Tropospheric ozone)
10:20 Victor Molina Garcia (Retrieval of cloud properties from EPIC/DSCOVR with ROCINN/OCRA: Status report)
10:40 Jay Herman (Can a G2V-Class Star Kill Viruses Causing COVID-19?)

**Summary and Discussion**
11:00 (Szabo, Marshak, Herman)