

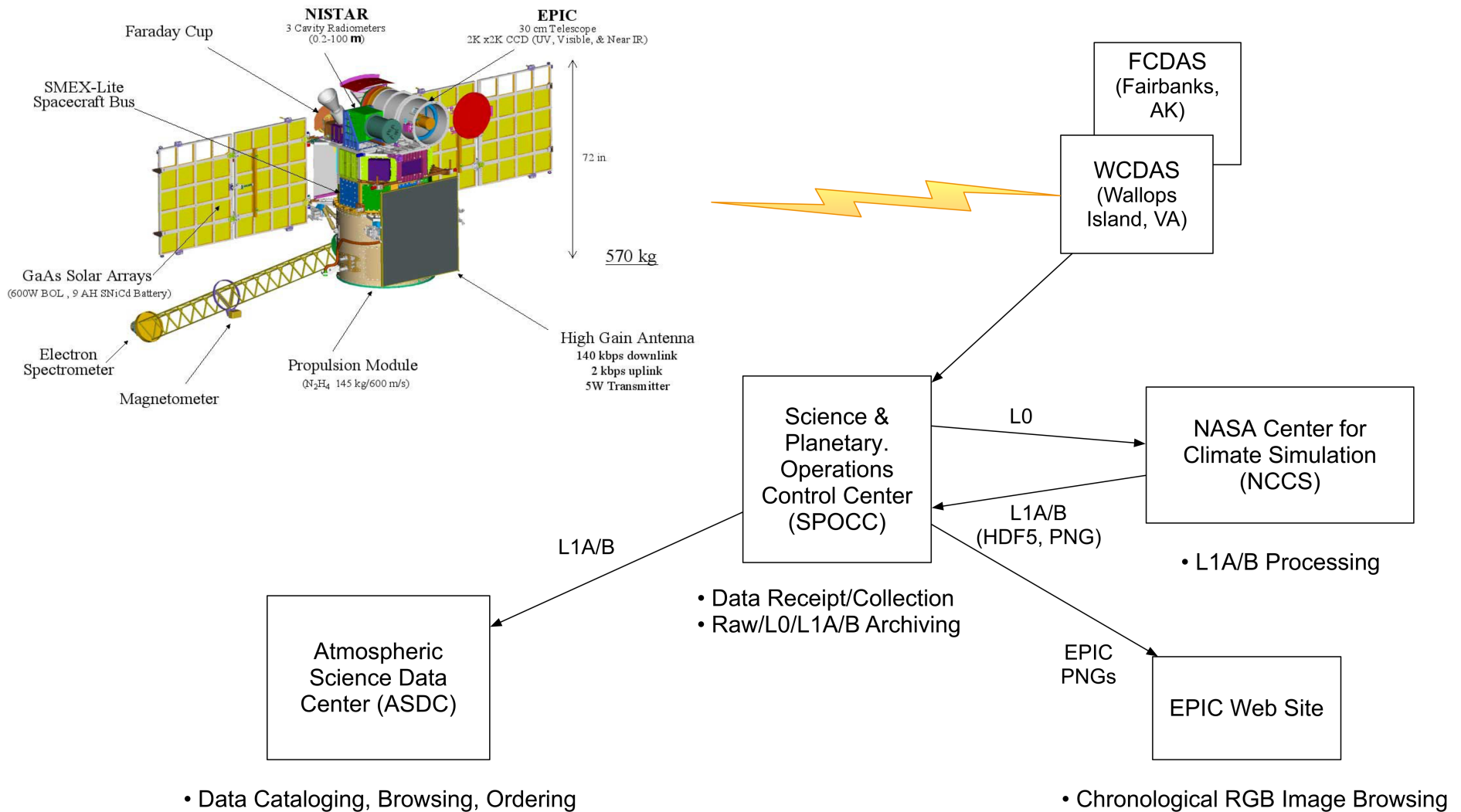
## **DSCOVR Science Team Meeting 2020**

# **DSCOVR Science Operations Center (DSOC) L0 to L1A/B**

**Sep. 27, 2022**

**Carl F. Hostetter, DSOC Manager  
NASA GSFC, Code 586**

# DSOC Functional Overview



<https://eosweb.larc.nasa.gov/project/DSCOVER>

# Earth Polychromatic Imaging Camera (EPIC)

- Periodic imaging of key spectral radiative characteristics in 10 narrowband channels (between 317 and 790 nm) at 10-20 km spatial resolution.
- Current version: 3
- EPIC L1A Data (calibrated, corrected, geolocated):  
[https://eosweb.larc.nasa.gov/project/DSCOVR/DSCOVR\\_EPIC\\_L1A\\_3](https://eosweb.larc.nasa.gov/project/DSCOVR/DSCOVR_EPIC_L1A_3)
- EPIC L1B Data (georegistered):  
[https://eosweb.larc.nasa.gov/project/DSCOVR/DSCOVR\\_EPIC\\_L1B\\_3](https://eosweb.larc.nasa.gov/project/DSCOVR/DSCOVR_EPIC_L1B_3)

# DSOC EPIC L1A/B Processing Version 3

- Released 2019.
- Improved flat-fielding, geolocation

# National Institute of Standards and Technology Advanced Radiometer (NISTAR)

- Continuous measurement of broadband radiative fluxes of the entire dayside of Earth.
- Current version: 3
- NISTAR L1A Data:  
[https://eosweb.larc.nasa.gov/project/DSCOVR/DSCOVR\\_NISTAR\\_L1A\\_3](https://eosweb.larc.nasa.gov/project/DSCOVR/DSCOVR_NISTAR_L1A_3)
- NISTAR L1B Data:  
[https://eosweb.larc.nasa.gov/project/DSCOVR/DSCOVR\\_NISTAR\\_L1B\\_3](https://eosweb.larc.nasa.gov/project/DSCOVR/DSCOVR_NISTAR_L1B_3)
- NISTAR L1B Filtered Data:  
[https://eosweb.larc.nasa.gov/project/DSCOVR/DSCOVR\\_NISTAR\\_L1B\\_FILTERED\\_3](https://eosweb.larc.nasa.gov/project/DSCOVR/DSCOVR_NISTAR_L1B_FILTERED_3)

# DSOC NISTAR L1A/B Processing Version 3

- New batch (through end of July) will be released shortly.

# EPIC Web Site

- <https://epic.gsfc.nasa.gov>
  - Daily visible-light composite images (when not in safe-hold...)
  - Daily aerosol index products
  - Calibration, product descriptions
  - Galleries of especially notable events and products
  - Links to publications
- In talks with site owners/developers to add further daily products, including cloud mask

# Questions?