International Polar Orbiter Processing Package (IPOPP)

John Overton, Bill Thomas, Patrick Coronado, Kelvin Brentzel, Liam Gumley, Allen Huang

The International Polar Orbiter Processing Package is a software package that is critical to the Direct Broadcast (DB) user community throughout its transition from EOS to NPOESS. IPOPP is the primary processing package that will enable the DB community to process, visualize, and evaluate NPOESS Preparatory Project (NPP) Sensor and Environmental Data Records.

Why is IPOPP Needed?

- Meets high expectations by DB community for mission continuity from EOS to NPOESS
- Integrates Multi-disciplined science processing packages such as IMAPP (Atmosphere), SeaDAS (Ocean) and MODIS Land Rapid Response (Land)
- Provides DB community with user friendly processing packages for global as well as regional optimized value added applications
- Enables global feedback loop for NPP CAL/VAL campaigns
- Enable DB users to contribute their regional validated processing approaches/products to assist and improve global CAL/VAL efforts
- Initiates role of research to operations provider for Direct Readout Mission
- Facilitates the adoption/adaptation of DB regional optimized research/unique processing approaches to enhance functionality and capability
- Enables industry to productize government provided algorithms into commercial product lines which offer choice to all users

Who is the DB Community?


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Sharing ideas, plans and
techniques to study
the earth’s weather and climate
using space-based observations