JPSS Training Workshop
2017 NOAA Satellite Conference
City College of New York (CCNY)
North Academic Center, Room 0/201
Sunday, 16 July 2017

Co-Chairs: Mitch Goldberg, NESDIS/NJO, Lanham, MD; Jordan Gerth, CIMSS/UW-Madison, WI

Emcee: Christie Best, NESDIS/NJO/Noblis

1:00 – 1:05   Opening remarks (welcome, logistics, emergency exits); Christie Best

1:05 – 1:30   Introduction of JPSS program; Mitch Goldberg, NESDIS/NJO, Lanham, MD

1:30 – 2:00   Introduction of JPSS EDR products; Lihang Zhou, NESDIS/STAR, College Park, MD
- JPSS EDR Products Overview
    - Cal/val maturity & status; Products monitoring
        - NUCAPS examples
            - Enterprise Algorithm retrieves from multiple satellites
            - Reprocessing: producing long term data records
            - New Capabilities: Full Spectral Resolution; Trace gases; OLR
            - Fused products: improvements with VIIRS clouds information
        - Product Application for the south American region: Land, Ocean examples
- JPSS-1 Algorithms & Cal Val Readiness

2:00 – 2:15   Break

Exercise #1: Hurricane Otto

Hurricane Otto was the latest forming major hurricane in the Atlantic basin since records began in 1851. It made landfall in Nicaragua on November 24, 2016 during its peak intensity (Category 3) and caused extensive damage in Costa Rica and Panama.

2:15 – 2:35   Overview of applications of JPSS products to TC analyses and forecasts; Michael Folmer, NWS/OPC/OAB, College Park, MD
- Validation
- Rapid Intensification Index predictors

- Intensity/Structure estimates
- Use of VIIRS for eye detection and forecasting
- Moisture flux
- Warm core changes during RI

2:35 – 3:15   Hands-On Activity: Using JPSS products to forecast Hurricane Otto

3:15 – 3:30   Break

Exercise #2: Wildfires Near Santiago, Chile

In January 2017 wildfires broke out across central and southern Chile torching an area of over 900,000 acres, an area roughly four times the size of New York City. The raging wildfires which were the worst in Chilean history claimed at least 11 lives and caused great property damage.

3:30 – 3:50   Overview of JPSS fire product applications; Ivan Csiszar, NESDIS/STAR, College Park, MD

3:50 – 4:30   Hands-on Activity: Using JPSS products to observe wildfires near Santiago, Chile

JPSS Online Training Resources; Jorel Torres, CSU/CIRA, Fort Collins, CO

4:30 - 4:55   Introduction to online training resources
- Highlight the on-line training resources that are available for non-AWIPS polar-data users. Presentation will also demonstrate how users will be able to access training modules via COMET, VISIT, and NASA-SPoRT websites.

4:55 – 5:00   Wrap-up, Questions from audience