MODELING, DATA ANALYSIS, AND DATA MANAGEMENT I SUPPORT OF ARCTAS DEPLOYMENT AND ITS RESEARC OBJECTIVES

Principal Investigator: Jennifer Olson (NASA LaRC)
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Pre-mission activities:
DATA MANAGEMENT *(Gao Chen, Jennifer Olson, Ali Aknan, Clyde Brown)*
PARTICIPATION IN DATA WORKING GROUP TO DEFINE DECISIONS DATA
SHARING POLICIES AND DISSEMINATION, DEADLINES FOR DA SUBMITTAL
FINALIZE ARCHIVAL INFRASTRUCTURE, WEB-BASED SOFTWARE (FILE SCANNING, ETC)

In-field activities:
FLIGHT PLANNING *(Gao Chen, Jennifer Olson)*
SATELLITE OVERPASS SOFTWARE (POLAR PLOTTING CAPABILITY) PROTOTYPE COMPLETED
DATA MANAGEMENT *(Gao Chen, Jennifer Olson, Ali Aknan, Clyde*

In-field activities (continued):

INSTRUMENT INTERCOMPARISON *(Gao Chen, Jennifer Olson)*

DATA ANALYSIS AND DISTRIBUTION OF RESULTS TO SCIENCE TEAM

MODELING AND ANALYSIS *(Jennifer Olson, Clyde Brown)*

IN-FIELD MERGING OF AVAILABLE DATA

PHOTOCHEMICAL CALCULATIONS IN SUPPORT OF THE HO$_x$ MEASUREMENT

INTERCOMPARISON (DEPENDENT ON AVAILABILITY OF IN-FIELD PRECURSOR DATA)

SPECIALTY MODEL SIMULATIONS TO SUPPORT FLIGHT PLANNING AND DATA

INTERPRETATION