

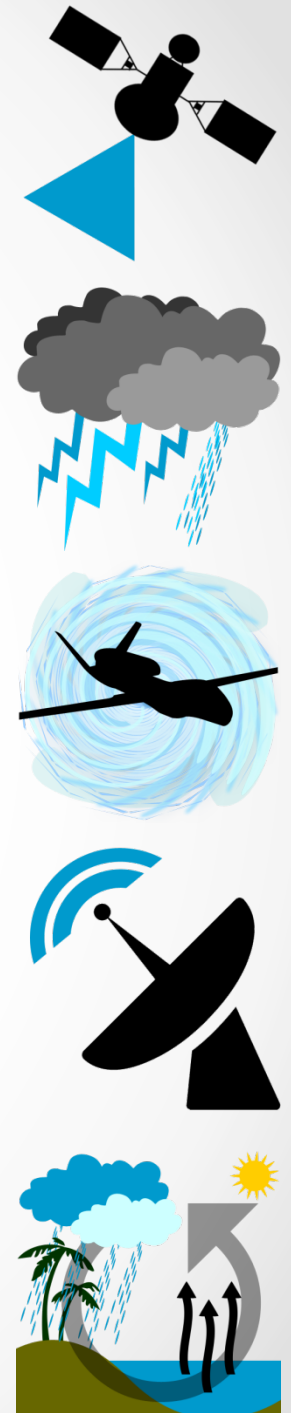
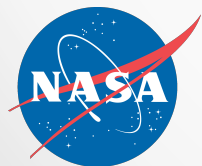
# KEY ISSUES

## UWG Discussion Topics

Helen Conover

Rahul Ramachandran

Presented at the GHRC User Working Group Meeting  
October 7, 2015



# Improvements to Data Portfolio

## Current Data Products

TRMM Precipitation Feature (PF) Database

TRMM Tropical Cyclone Precipitation Feature (TCPF) Database

Tropical Cyclone Cold Wake Database

World Wide Lightning Location Network (WWLLN) – selected subsets

TRMM/GPM Flood Maps

TRMM/GPM Landslide Potential Maps

Global Landslide  
Inventory

CRYSTAL-FACE  
Campaign

## Future Data Collections

Virtual collection of lightning research data

Disaster Response data collection

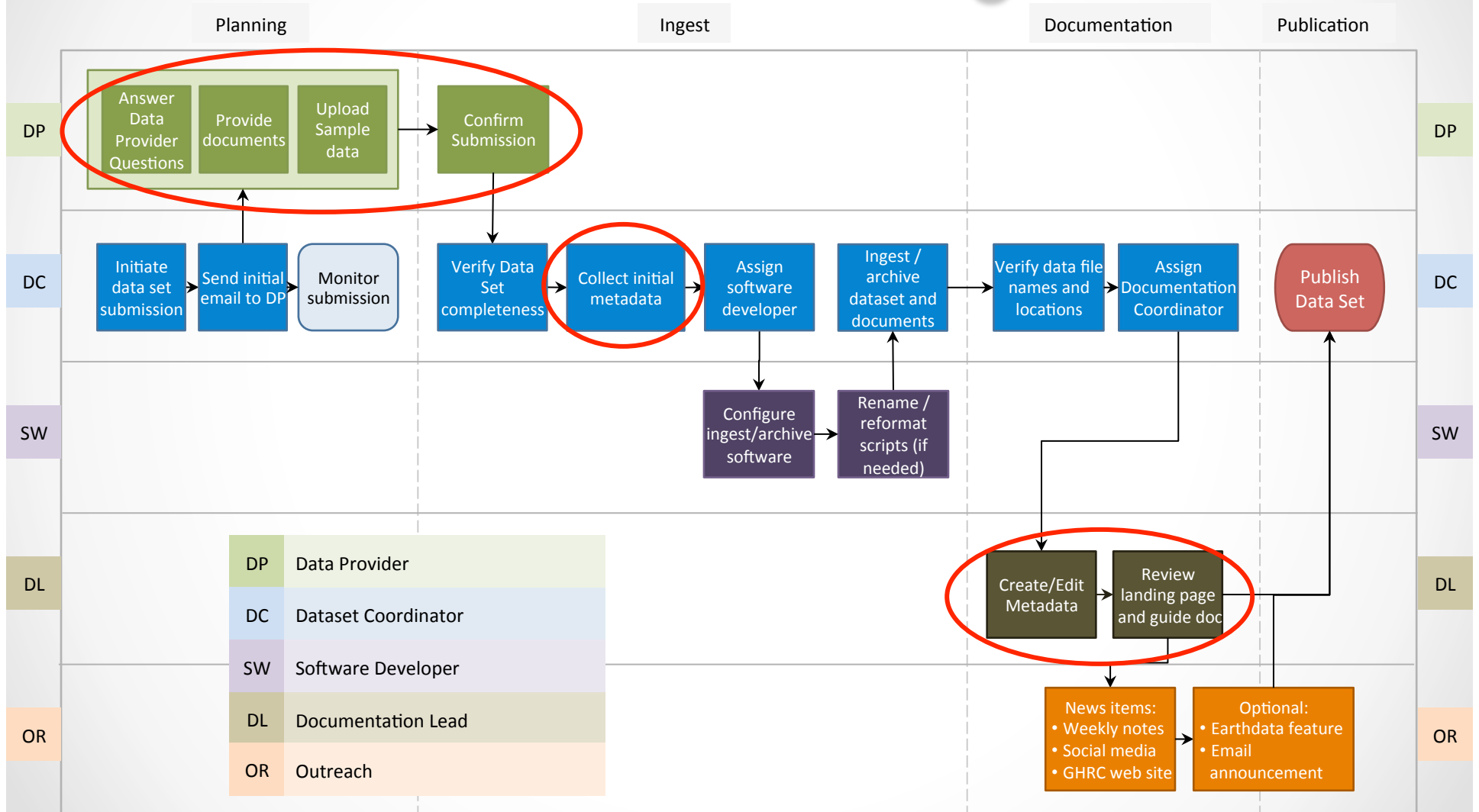
GOES-R Atmospheric Motion Vectors

NASA-led Field Campaigns related to Severe Weather

Field Campaigns included in recently-funded EV2  
Investigations

# Improvements to Operations

## Streamlined Metadata Ingest



# Improvements to Operations *as suggested by UWG*

- Single fixed browse image per dataset for dataset landing page
  - Plan to assign task to student assistant in FY2016
- Develop workflows for implementing datasets in netCDF/CF for future field campaigns
  - Build on experience gained with HS3 datasets in the past year
  - Document translation workflow and checklist
  - Develop or reference netCDF/CF templates for different data structures
  - Consider level of service in decision whether to translate a dataset to netCDF

# Improvements to Operations *Science Outreach*

## Issues:

- Need a systematic process for science outreach
- Current skill mix of GHRC personnel lacks Earth science expertise

## Proposed Solution:

- GHRC DAAC scientist (On-call consultant)

# GHRC DAAC Scientist Responsibilities

- Serve as an on-call science consultant to address any GHRC queries
- Attend key science conferences and team meetings; represent and promote GHRC data and services
- Provide guidance to GHRC on the direction of science research
  - What are the current open science questions? How can GHRC better support science?
  - How is data being used? Can the data be packaged better?
    - Field campaign data needs to be bundled based on “golden cases” rather than by instrument - *source Patrick Gatlin NASA/MSFC*
- Track publications relevant to GHRC and link them back with datasets
  - Help develop monthly news stories
- Participate in GHRC UWG and monthly GHRC Leadership meeting