



# Joint Polar Satellite System (JPSS) Discrepancy Report Action Team (DRAT) Process



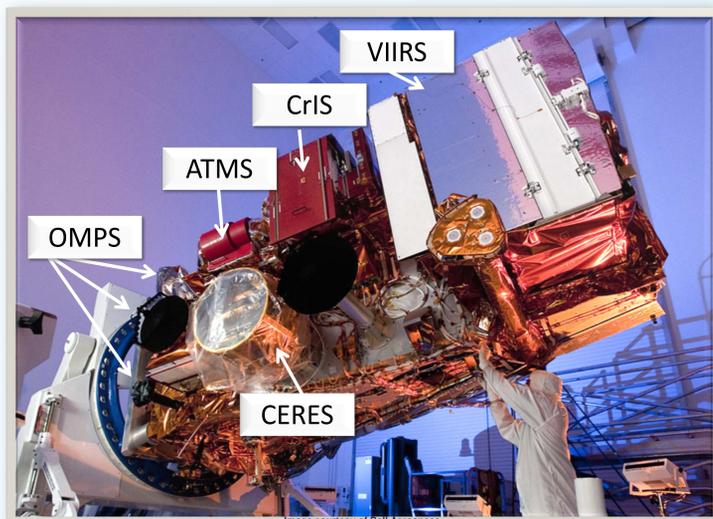
Ashley Griffin, Praxis, JPSS DPA

The Joint Polar Satellite System Program Office is the supporting organization for the recently launched NPP satellite that was successfully put into orbit on October 28, 2011. NPP carries the following sensors: VIIRS, CrIS, ATMS, OMPS, and CERES. These instruments study the Earth's weather, oceans, and atmosphere. To ensure the success of the NPP mission, problems that are found with the satellite are monitored by a team of scientists and engineers and documented with DRs (Discrepancy Reports).



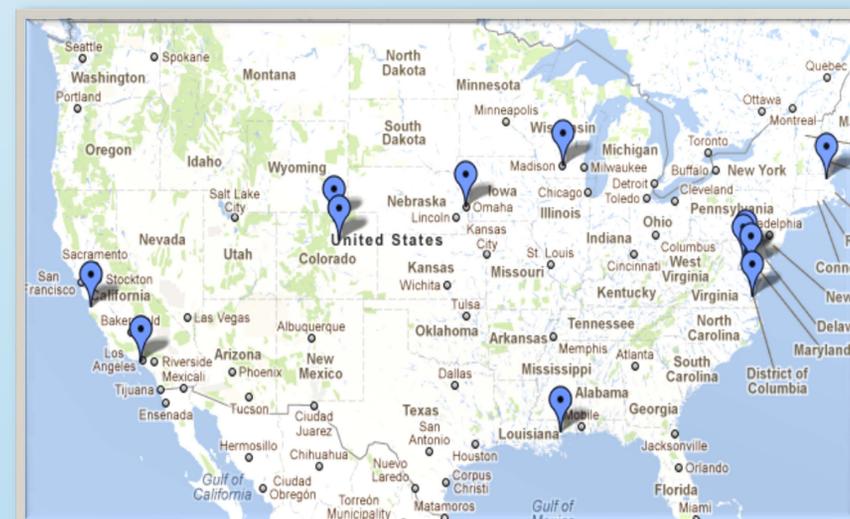
## Participating Organizations

The DR process includes scientists and engineers from all over the United States. They can be found at JPSS in Greenbelt, Maryland, STAR in Camp Springs, Maryland, Raytheon in Aurora, Colorado, Raytheon in Omaha Nebraska, Northrop Grumman in El Segundo, California, NRL Stennis, in Mississippi, NRL in Washington DC, NRL in Monterey, California, MIT-LL in Massachusetts, CIMSS at the University of Wisconsin, CIRA at the University of Colorado, NASA LaRC in Virginia, and the NSOF in Suitland, Maryland.

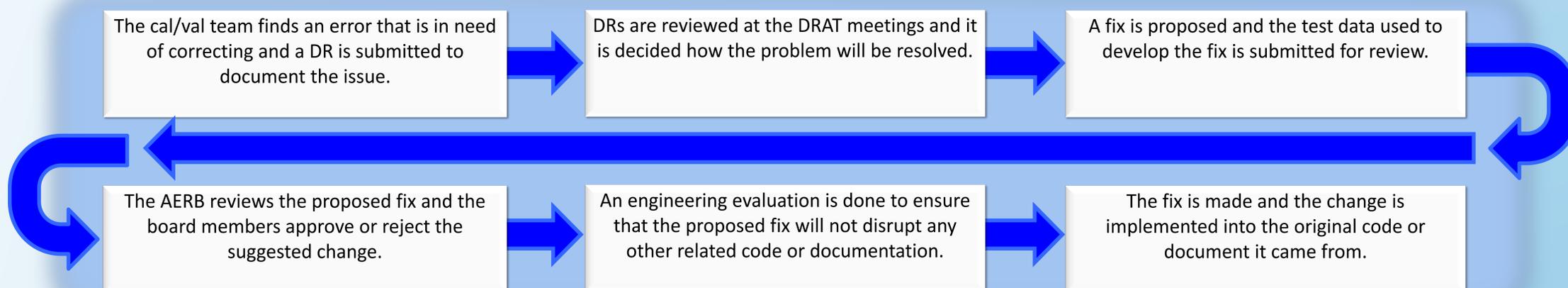


## What is a Discrepancy Report (DR)?

DRs are records that document errors in software code or documentation that should be fixed to ensure the success of the NPP mission. These DRs contain detailed information about the history of the issue that is in need of mitigation, as well as the steps that are being taken by the subject matter experts and other points of contact to ensure that the issue is being fixed.



## Discrepancy Report Process



## Acronyms

AERB: Algorithm Engineering Review Board  
 Cal/Val: Calibration/Validation  
 CIMSS: Cooperative Institute for Meteorological Satellite Studies  
 CrIS: Cross-Track Infrared Sounder  
 DRAT: Discrepancy Report Action Team  
 LaRC: Langley Research Center  
 NASA: National Aeronautics and Space Administration  
 NPP: National Polar-orbiting Operational Environmental Satellite System (NPOESS) Preparatory Project  
 NRL: Navy Research Lab  
 OMPS: Ozone Mapping Profiler Suite  
 VIIRS: Visible Infrared Imaging Radiometer Suite

ATMS: Advanced Technology Microwave Sounder  
 CERES: Clouds and the Earth's Radiant Energy System  
 CIRA: Cooperative Institute for Research in the Atmosphere  
 DR: Discrepancy Report  
 JPSS: Joint Polar Satellite System  
 MIT-LL: Massachusetts Institute of Technology-Lincoln Labs  
 NOAA: National Oceanic and Atmospheric Administration  
 NSOF: NOAA Satellite Operations Facility  
 STAR: Center for Satellite Applications and Research