

# Algorithm Change Management Process

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# Our current problems are prior solutions

- IDPS heritage processing code architecture was driven by
  - Latency
  - Sole source holistic approach
- We continue to peel the NPOESS onion
- Acknowledged: Performing development in operations is dumb
  - No time to re-architect before S-NPP launch
  - Making the best of a bad situation

# Interface Data Processing System (IDPS) String Configuration

String	Land Gridding Configuration	Snow/Ice Gridding Configuration	Snow/Ice Seed Data Version	VIIRS RSB AutoCal Mode	Data Stream	IDPS Build #
Raytheon Factory I&T	Active	Active	April 2014	Automatic	Live - operational	Mx8.4
NESDIS IDPS I&T	Active	Inactive	April 2014	Static*	Live - operational	Mx8.4
NESDIS IDPS Ops	Active	Inactive	April 2014	Static*	Live - operational	Mx8.3

\*Transition to RSB AutoCal Automatic Mode expected in Summer 2014.

**Mx8.3:** Operational as of 03/18/2014.

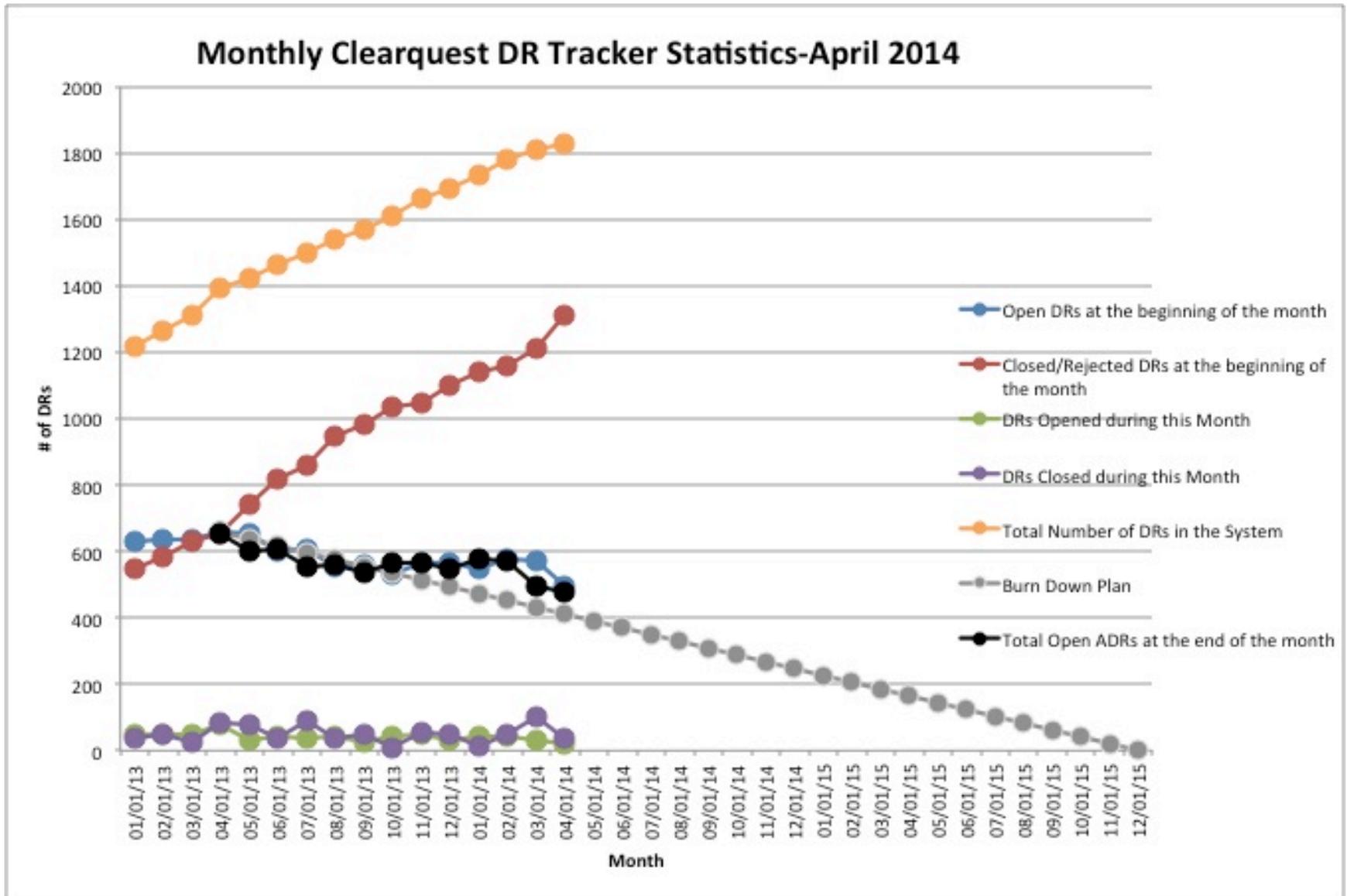
**Mx8.4:** TTO scheduled for 06/02/2014. Release will include incorporation of VIIRS Terrain-Corrected DNB Geolocation.

**Mx8.5:** TTO scheduled for 08/15/2014. Content in work. Targeting incorporation of daily GMASI ancillary for VCM and downstream EDR/IP quality improvements.

**Mx8.6:** TTO scheduled for 10/31/2014. Targeting incorporation of necessary ground system changes to support CrIS instrument transition to full spectrum mode.

10 to 12 week centers for maintenance (Mx) build code

# S-NPP CAL-VAL Discrepancy Report Burn-Down



# Configuration Management and Contracts

- Configuration Management of the Operational System and Contract protocols are process drivers
  - Raytheon must track the state of the system they are going to deliver to the government at JPSS-1 Launch plus one year
  - Science code in IDPS Processing is GFE residing in a contractor owned system
    - Changes to that GFE by STAR represents a delivery from the Government to the Contractor

