

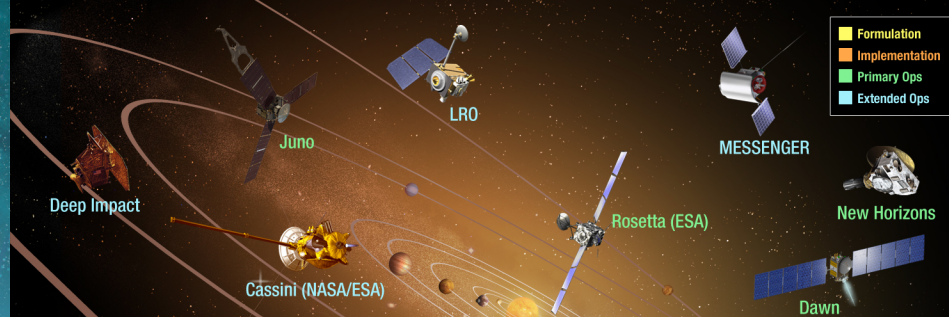
National Aeronautics and Space Administration



Science@NASA

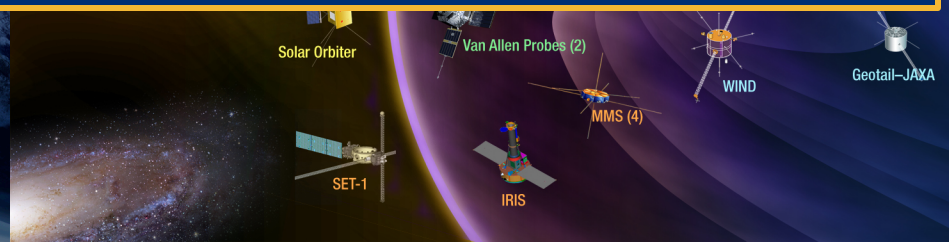
Chuck Gay

Deputy Associate Administrator for Science



Science @ NASA executes:

- ✈ 95 missions
- ✈ 71 operating spacecraft
- ✈ 9 Balloon launches (FY2012)
- ✈ 21 Sounding rockets (FY2012)
- ✈ 3,300+ Airborne hours (FY2012)



Total Missions / Spacecraft

95 / 120

Astrophysics
Heliophysics

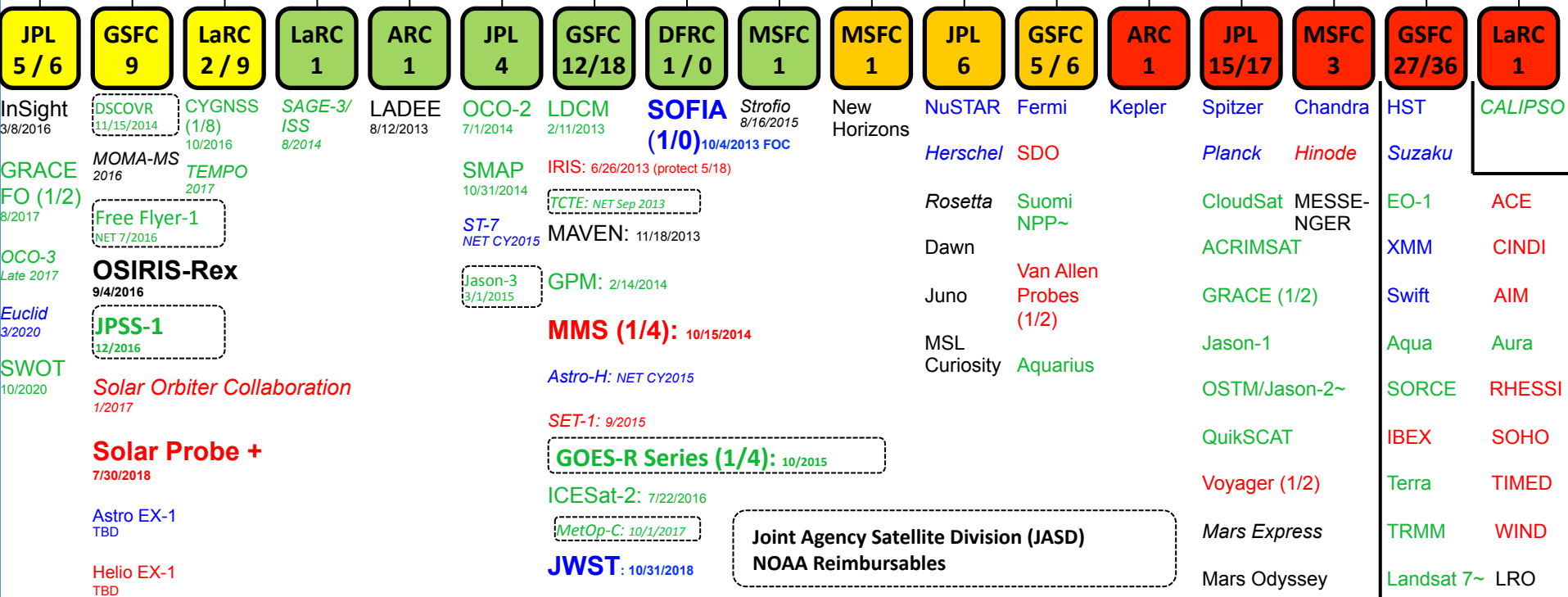
Earth Science
Planetary Science

Formulation
16 / 24

Implementation
20 / 25

Primary Ops
12 / 13

Extended Ops
47 / 58



Div	Form	Imp	Pri Ops	Ext Ops	Total
Astro	2	4	3	8	17
Earth	5	6	2	15	28
Helio	3	3	2	15	23
Planet	3	3	5	9	20
JASD	3	4	NA	NA	7
Total	16	20	12	47	95

Italics = NASA instruments on commercial, DOD, or international spacecraft

X / Y = # of missions / # of spacecraft

~ Operated by another agency

IRIS LRD updated from 4/28/2013 to 6/26/2013.

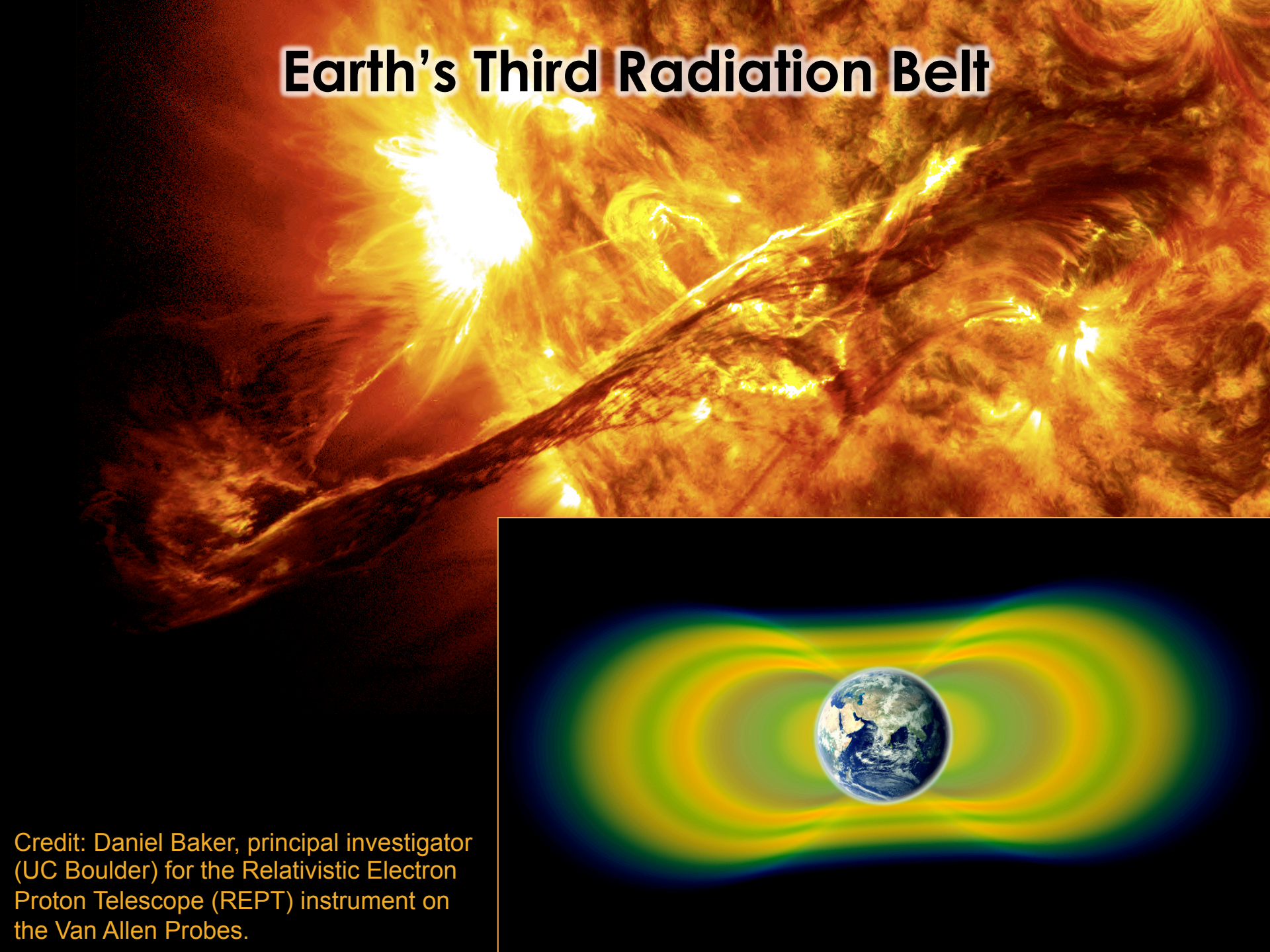
12 font: LCC > \$1B

10 font: \$250M < LCC < \$1B

8 font: LCC < \$250M

for projects in formulation & implementation

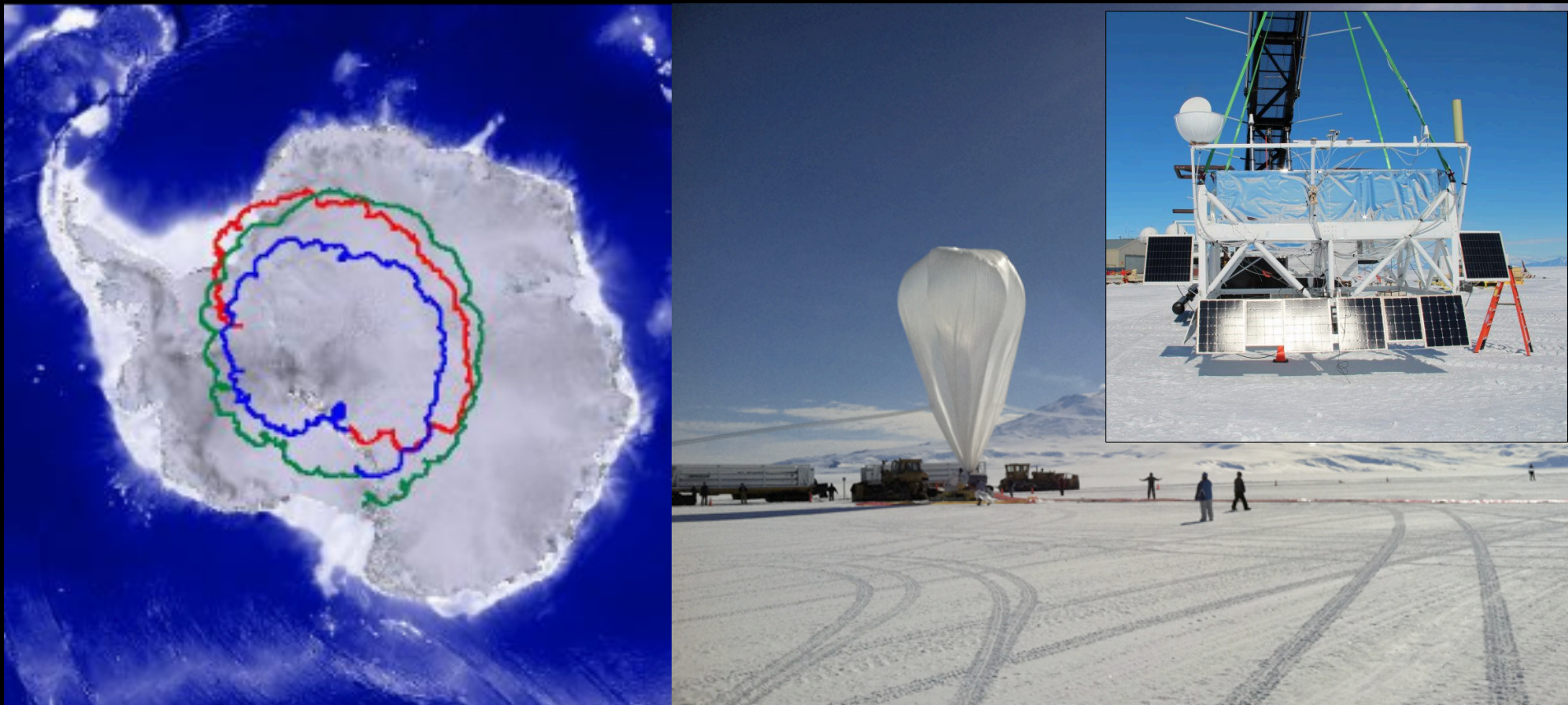
Earth's Third Radiation Belt



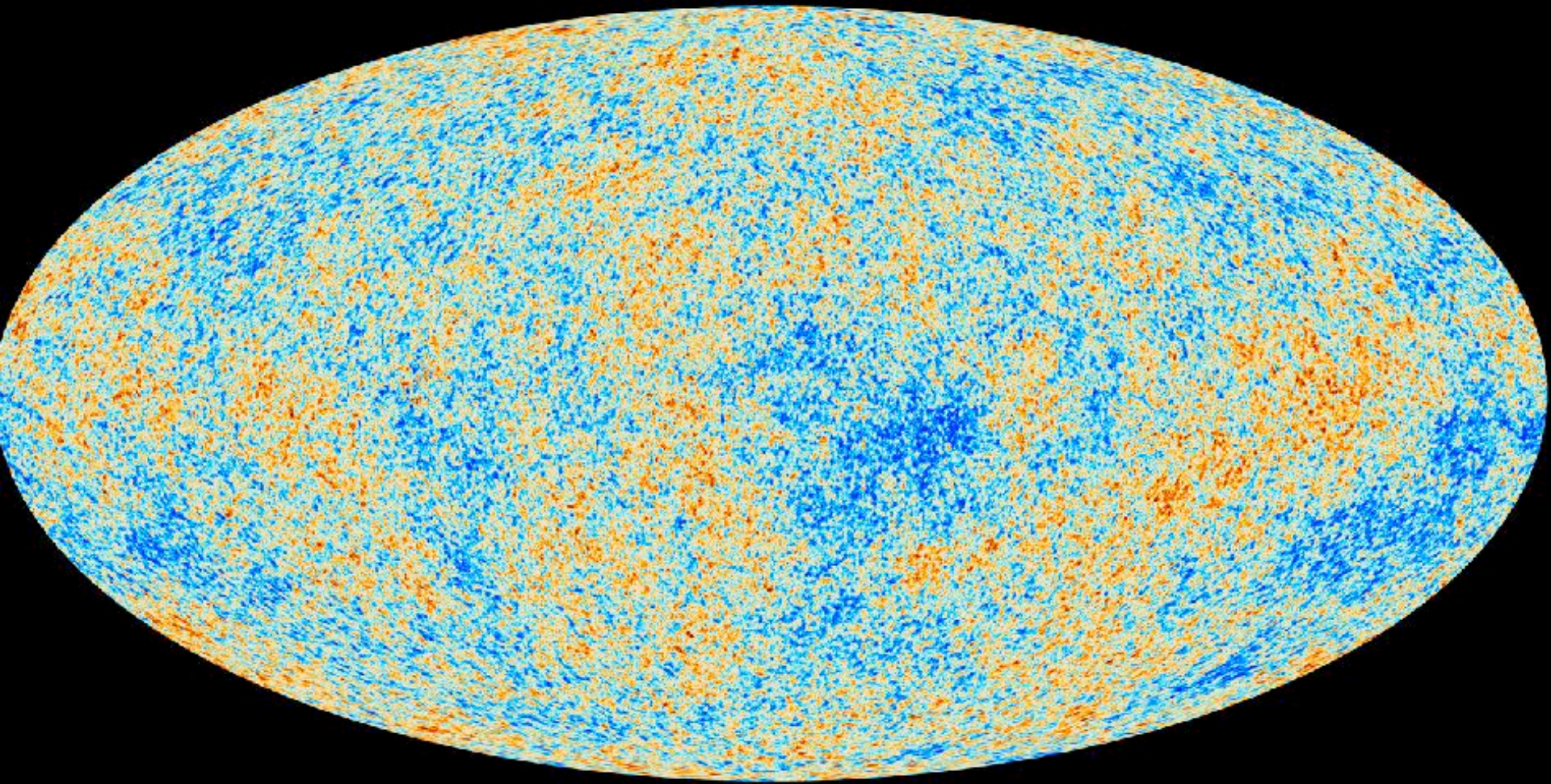
Credit: Daniel Baker, principal investigator (UC Boulder) for the Relativistic Electron Proton Telescope (REPT) instrument on the Van Allen Probes.

Super-TIGER Antarctic Campaign

Launched Dec 8, 2012. Landed Feb 1, 2013.
Total flight time of 55 days, 1 hour, 34 minutes
NEW RECORD!



Planck's View of the Early Universe

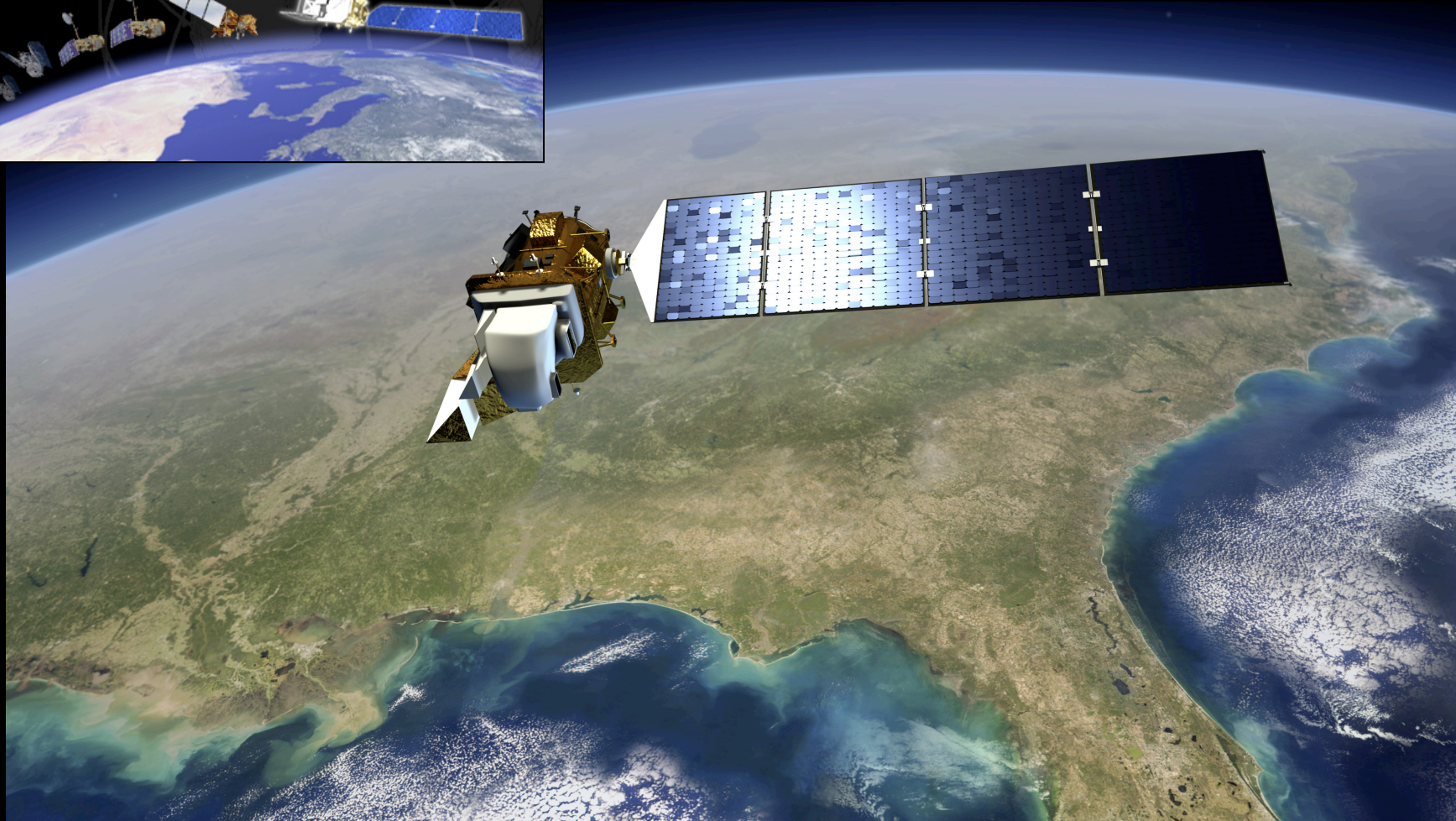


Drill Test and First Drill Hole on Mars





Landsat Data Continuity Mission Launched February 11, 2013





Galena Fire burn scar—

—Horsetooth Reservoir

Fort Collins

Upcoming Launch: Interface Region Imaging Spectrograph (IRIS)

LRD: June 2013



Upcoming Launch: Lunar Atmosphere and Dust Environment Explorer (LADEE)

LRD: August 2013





Upcoming Launch: Mars Atmosphere and Volatile Evolution (MAVEN)

LRD: November 2013



Funding for NASA Science

- FY 2013 Budget
 - Continuing Resolution
- Sequestration
- FY 2014 Budget



FY 2013 Budget

Continuing Resolution (H.R. 933) signed March 26

- Total NASA funding: \$17.8 B
- Total Science funding: \$5.1 B

However:

- There will be ~2% rescission across the government to match the discretionary funding limit specified in the fiscal cliff legislation signed in January
- There will be ~5% reduction due to sequestration



FY 2013 Budget

Continuing Resolution (H.R. 933) signed March 26

- Total NASA funding: ~~\$17.8 B~~ ~\$16.6B
- Total Science funding: ~~\$5.1 B~~ ~\$4.8B

NASA is still waiting for guidance on the full impact of the rescission and sequester



Sequestration

Steps NASA has taken, Agency-wide, include:

- Reductions in training and travel
- Cancelled or reduced participation in conferences
- Curtailment of education and public outreach activities

NASA is not:

- Furloughing employees
- Changing its hiring policy

NASA is developing guidelines for implementing these changes



Sequestration

The Science Mission Directorate will respond to the impacts of sequestration once they are fully known

- Reductions to SMD will be absorbed primarily out of savings from several recent missions launching under budget
- No anticipated impact to our ongoing projects or the workforce supporting them



FY 2014 Budget

COMING APRIL 10