

A satellite with large solar panels is shown in space, with the Earth visible in the background. The satellite is positioned diagonally across the frame, with its solar panels extending towards the top left. The Earth is partially visible in the lower left, showing the Americas. The background is a dark blue space filled with stars.

# **GOES-R Proving Ground Activities within the Storm Prediction Center and Hazardous Weather Testbed**

**- 1/12/15 PG All-Hands Update**

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# Recent Activities

- GOES-R PG demonstration at the 2014 HWT Spring Experiment
  - Final Report: <http://www.goes-r.gov/users/docs/pg-activities/PGFR-HWT-2014-Final.pdf>
  - Presentations at NWA and AMS-SLS meetings
    - SLS – recorded talk and extended abstract on meeting website
- AMS Presentation on GOES-R demonstrations in SPC
  - Focusing on CTC, OTD, NearCast and GOES-14 1-min imagery evaluations
  - Talk will be uploaded to AMS meeting website
- 2015 HWT Spring Experiment demonstration proposal coming
- ‘13/14 SPC GOES-R product demonstration “final report” coming
- Journal article on the use of 1-min imagery in SPC operations coming
- Will complete DLOC end of January
- SPC product demonstrations continue
- GOES-14 SRSOR: May 18-June 11 and August 10-21
  - [http://cimss.ssec.wisc.edu/goes/srsor2015/GOES-14\\_SRSOR.html](http://cimss.ssec.wisc.edu/goes/srsor2015/GOES-14_SRSOR.html)

- **All details subject to change!**
- 2015 HWT Spring Experiment - EWP
  - 5 weeks: weeks of May 4, May 11, May 18, June 1, June 8 (possibly April 27)
  - AWIPS-II; Mon-Thurs 8 hr shifts, Fri wrap-up
  - GOES-R: ProbSevere, CI, LJA, PGLM, GOES Sounder LAP stability indices, NUCAPS?
  - GOES-14 SRSOR - May 18-June 11 (OTD, AMV?, Capping?)
  - Other: ENI, 3DVAR, OUN-WRF
  - 5 NWS forecasters, 1 broadcast met. per week, and visiting scientists
  - Training: Articulate Powerpoint for each product, possible WES-like case
  - Feedback likely daily/weekly debriefs, surveys, blog posts
  - Next EWP meeting next week
- 2015 HWT Spring Experiment - EFP
  - 5 weeks: week of May 4 – week of June 1; NAWIPS
  - GOES-R: HRRR verification project (webpage)
- <http://www.goesrhwt.blogspot.com/>



## 19 responses from SPC forecasters

- Based on real-time experiences with routine imagery and 1-min imagery
- Rank in order of preference: 5-min Continuous Full Disk, Flex Mode (15-min FD, 5-min CONUS, 30-sec sector (or two 1-min sectors)), Flex Mode w/ CFD request, CFD w/ Flex mode request
  - **16/19 think “Flex” is the better option over “CFD”**
  - 10/19 chose “Flex” and “Flex with CFD request” as top two options
  - 9 chose “Flex” as top option, 4 chose “Flex w/ CFD request”, 4 chose “CFD w/ Flex request”, 2 chose “CFD”
  - 12/19 chose “Flex w/ CFD request” over “CFD with Flex request”
- Rank in order of preference: 5-min CFD, Flex Mode, 2.5-min CONUS with 10-min FD
  - **10/19 chose “Flex” as top option, 9/19 chose “2.5/10”, 0/19 chose “CFD”**
  - 9/19 chose “2.5/10” over “Flex”, 18/19 chose “2.5/10” over CFD
- SPC comments and examples:  
<http://satelliteliaisonblog.wordpress.com/>

