



GOES-R Program Weekly Status Report

National Oceanic and Atmospheric Administration

Volume 1, Issue 1

25 June 2004

The Week Ahead

**BAA Architecture Study
Discussions with Loral**
28 Jun 04, 1:00pm – 3:00pm,
Telecon, SSMC1, Rm 6229
POC: Gus Comeyne,
gus.comeyne@noaa.gov

On The Horizon

**BAA Architecture Vendor
Telecons**
**6 – 7 July 04, Cancelled or
Rescheduled**
POC: Gus Comeyne,
gus.comeyne@noaa.gov

Configuration Control Board
8 Jul 04, 1:30pm – 3:30pm,
SSMC1, Rm 5300
POC: Dan May,
daniel.may@noaa.gov

TI IPT
8 Jul 04, 09:00am – 11:00am,
SSMC1, Rm 5300
POC: Larry Key,
lawrence.e.key@noaa.gov

**Loral Task 2 Architecture
Study Meeting**
15 Jul 04, 8:00am – 4:00pm,
FB-4, Rm 1304
POC: Gus Comeyne,
gus.comeyne@noaa.gov

**The International Society for
Optical Engineering (SPIE)
Conference**
1 – 6 Aug 04, Denver
POC: Larry Key,
lawrence.e.key@noaa.gov

Continued on page 3

The following report is intended for internal agency use. It is distributed for informational purposes only and does not necessarily reflect agency policy or plans.

GOES-R Operational Requirements Working Group

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Technology Infusion Integrated Product Team

The Technology Infusion IPT met on 27 May 27 04 to review the status the current activities. Plans were laid for a small group to meet 10 June 04 to begin development of a roadmap for the GOES-R Microwave Sounder (GMS). For GeoSTAR, progress is being made on the technology to reduce power requirements. The NAS/NRC Committee on Earth Satellite Data Utilization (CESDU) is expected to provide its report in early July. (Larry Key, lawrence.e.key@noaa.gov)

On 28 May 04, a discussion was held with Bill Hutchison of AT&T (El Segundo) about devoting the remaining \$9K of funding to perform a short study of how AT&T's SafetyNet System might perform for a constellation of four Medium Earth Orbit (MEO) satellites. Results are expected within two months. (Larry Key, lawrence.e.key@noaa.gov)

A major step forward in data compression occurred when Bormin Huang, one of our sponsored principle investigators, was asked to write a chapter of a textbook on Hyperspectral Data Compression for the IEEE (Kluwer Press). World-recognized data compression experts, Dr. Storer and Dr. Giovanni of Brandeis University are the editors. Data compression work by the TI IPT has gained wide recognition, including international attention from Europe and China. (Larry Key, lawrence.e.key@noaa.gov)

On 9 June 04, the TI IPT participated in a workshop exploring the operational use of MODIS products; Mitch Goldberg led the ORA-sponsored meeting. Presentations by NASA MODIS team members described the MODIS products now being produced, and NOAA ORA and OSDPD briefers described how they use MODIS products. (Larry Key, lawrence.e.key@noaa.gov)

A small working group of the TI IPT met on 10 June 04 to develop a technology roadmap for GOES microwave sounders, the first of several areas

*Nothing Significant To Report

Continued on page 2

continued from page 1

on the TI IPT list. Using processes described by NASA Codes YS and YO, NASA's ESTO, NOAA/ORR, and private firms; the first order of business was to begin identifying microwave technologies and then develop a roadmap to actively operationalize the technology into a NOAA platform. Two alternatives are under investigation: a 2-3m solid dish (GEM) and an interferometric system (GeoSTAR). Then on 18 June 04 the TI IPT met to review progress on the microwave technology roadmap, and develop and initial list of conferences and meeting where opportunities exist for representing and learning information on Technology issues. (Larry Key, lawrence.e.key@noaa.gov)

On 15 and 16 June 04, TI IPT members participated in the 2004 NASA Centennial Challenges Workshop in Washington, DC. The workshop goal was to sketch out definitions for innovative technologies by using prizes (\$250K to perhaps \$20M) for accomplishments instead of contracts, similar to the "X Prize" mechanism. We provided ideas for Earth observations, solar sails, and planetary exploration. (Larry Key, lawrence.e.key@noaa.gov)

Calibration/Validation Steering Committee

Discussed suggested changes to the GOES-R MRD-IIA HES calibration section and changes to AOL TAP (Atmospheres, Oceans, & Land Technical Advisory Panel) document on ABI descope proposals with Monica Coakley (MIT/Lincoln Labs). Work also continues concerning organizational issues for the GOES-R Calibration/Validation Steering Committee. (Mike Weinreb, michael.weinreb@noaa.gov)

GOES-R Rebroadcast Working Group

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Team Building Activities

**Bi-Monthly GOES-R NOAA/NASA Team Meeting
Mid-July, 8:30am – 5:00pm, Silver Spring,
Details TBD**

POC: Liz Carson, elizabeth.carson@noaa.gov

Frequency Allocation

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Acquisitions

The HES Design/Risk Reduction Phase contracts were awarded on 4 Jun 04. The successful offerors were BAE Systems, Ball Aerospace, and ITT Industries. Debriefing of both the successful and unsuccessful offerors was completed on 21 Jun 04. The protest period will remain open for 10 days following this date. The kickoff meetings are being scheduled during late June and early July.

The SIS proposals were received 21 June 04 and source evaluation will begin once GSFC legal has reviewed the evaluator's OGE 450s for conflict of interest. (Andrew Carson, andrew.s.carson.1@gsfc.nasa.gov)

The GIFTS Transition Team has reviewed the LaRC proposal for completing the GIFTS technologies and for building an EDU from the completed parts. NOAA and GSFC provided comments and input to NASA HQ during discussions last week. NASA HQ plans to deliver a summary and plan of action for review. (Andrew Carson, andrew.s.carson.1@gsfc.nasa.gov)

REMINDER: All personnel associated with the ABI and SIS procurements, with the exception of the Contracting Officer, are asked to refrain from formal and informal discussions with industry concerning these procurements. This communication "blackout" will continue through the evaluation phase, until the contracts are awarded. (Dan Flanagan, daniel.g.flanagan.1@gsfc.nasa.gov)

Architecture activities continue on with the bi-weekly telecons with the 12 vendors and additional side-bar meetings with them concerning specific topics the vendors wish to discuss. **ALL** telecons on 6 & 7 July 04 have either been cancelled or rescheduled. Please check with Mike Madden or me for changes. (Dave Zehr, david.zehr@noaa.gov)

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Continued from page 2

contracts are awarded. (Dan Flanagan, daniel.g.flanagan.1@gsfc.nasa.gov)

Ground Systems Working Group

The WG provided comments and suggested changes for the next revision of the MRD that is in the process of being finalized. Review of this new MRD version should start on or around 14 July 04. Peter Nguyen, (peter.nguyen@mitretek.org).

The working group continues to monitor vendor architecture efforts and status via telecons and face-to-face meetings. Additionally, we are collecting updated MOEs from all vendors in preparation for evaluation of their architecture proposals that will be provided at TIM 2 in August. Peter Nguyen, (peter.nguyen@mitretek.org).

The first draft of the GOES-R CONOPS is being finalized and will be review by the Ground Systems team. A final version should be available by October. Peter Nguyen, (peter.nguyen@mitretek.org).

Program Management Office

Configuration Management activities continue with work on the WBS and the Configuration Management Plan. We expect the Configuration Management Plan to be signed by the next Configuration Control Board meeting on 8 Jul 04. (Dan May, daniel.may@noaa.gov)

The work of writing the draft of the GOES-R Program management Plan continues with rewrites of the instrument description to ensure they are consistent with the latest MRD and RFPs that are on the street. Additionally, work has started on doing a requirements crosswalk between program documents (GPRD, MRD, PORDs, etc.) in order to determine if any inconsistencies exist. (David Zehr, david.zehr@noaa.gov)

The System Architecture Study Life Cycle Cost (LCC) letter was signed out to the 12 vendors on 18 June 04. This letter answered various questions resulting from the February 04 GRIP meeting and bi-weekly telecons. (Elizabeth Carson, elizabeth.carson@noaa.gov)

The LCC spreadsheets were refined to answer HQ DOC's budget questions concerning NOAA/NESDIS costs to support the GOES-R Operations and Supportability Phase of the program. (Elizabeth Carson, elizabeth.carson@noaa.gov)

Program management coordinated with the NOAA/OSD Budget Office on their input for the GOES-R Monthly Quad Charts. (Elizabeth Carson, elizabeth.carson@noaa.gov)

The GOES-R Program Office provided the final clarification letter responding to Scott Gudes concerns. The letter was forwarded to Mr. Gudes during the week of 14 June 04. (Elizabeth Carson, elizabeth.carson@noaa.gov)

The Program Office continues to develop the GPRD change page management process with NOAA/NESDIS/OSD/RPSI on how their process

Continued from page 1

GOES-R Architecture Study 8 Month TIMs

Dates: See table at end of newsletter

Time: 08:00am – 5:00pm

Location: SSMC1 1st Floor Conference Center

POC: Gus Comeyne, gus.comeyne@noaa.gov

4th NOAA Hyperspectral Workshop

17 – 19 Aug 04, Madison WI

POC: Larry Key, lawrence.e.key@noaa.gov

Continued from page 3

will interface with the GOES-R Configuration Management Process. (Elizabeth Carson, elizabeth.carson@noaa.gov)

Finance and Budget

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GOES-R Architecture Study 8 Month TIM Schedule

Loral	2 – 3 Aug 04	Honeywell	25 Aug 04
Spectrum/Astro	4 Aug 04	Raytheon	26 – 27 Aug 04
Orbital	5 – 6 Aug 04	Boeing	30 – 31 Aug 04
Carr	11 Aug 04	ISI	1 Sep 04
Harris	12 – 13 Aug 04	Northrup/Grumman	2 – 3 Sep 04
Lockheed/Martin	24 – 24 Aug 04	Ball	8 – 9 Sep 04