

Jonathan B. Mullin, 10:23 AM 2/9/2003 -0500, Fwd: FW: Advisory #1, R4 ROC Activation

X-Sender: jmullin@mail.hq.nasa.gov
X-Mailer: QUALCOMM Windows Eudora Version 4.3.2
Date: Sun, 09 Feb 2003 10:23:23 -0500
To: HCAT@hq.nasa.gov
From: "Jonathan B. Mullin" <jmullin@hq.nasa.gov>
Subject: Fwd: FW: Advisory #1, R4 ROC Activation
Cc: a.h.phillips@larc.nasa.gov, aodonogh@hq.nasa.gov, alee@hq.nasa.gov,
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For your information only, FEMA advisory. Regards, Jon
From: FEMA OPERATIONS CENTER <FEMA.OPERATIONS.CENTER@fema.gov>
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Subject: FW: Advisory #1, R4 ROC Activation
Date: Sun, 9 Feb 2003 10:09:41 -0500
X-Mailer: Internet Mail Service (5.5.2656.59)

> -----Original Message-----
> From: Aadnesen, Paul
> Sent: Sunday, February 09, 2003 9:33 AM
> To: R4-Advisory-List
> Subject: Advisory #1, R4 ROC Activation
>
> <<Advisory1.doc>>

Jonathan B. Mullin
Manager Operational Safety

Jonathan B. Mullin, 10:23 AM 2/9/2003 -0500, Fwd: FW: Advisory #1, R4 ROC Activation

Emergency Preparedness Coordinator
Headquarters National Aeronautics and Space Administration
Phone (202) 358-0589
FAX (202) 358-3104
"Mission Success Starts with Safety"



Advisory1.doc

X-Sender: wbihner@mail.hq.nasa.gov
X-Mailer: QUALCOMM Windows Eudora Version 4.3.2
Date: Sun, 12 Jan 2003 19:48:20 -0500
To: "Bryan O'Connor" <boconnor@hq.nasa.gov>
From: Bill Bihner <wbihner@hq.nasa.gov>
Subject: BSTRA Status
Cc: Mark Kowaleski <mkowales@hq.nasa.gov>,
Pete Rutledge <prutledg@hq.nasa.gov>

Bryan,

The PRCB just finished. The program position is to proceed with going into S0007. The L-2 will provide an updated test status, the status of the OV-103 inspections (estimated to be complete very late today) and the completed PRA analysis.

Ralph Roe gave the introduction and conclusions. The conclusions are that:

- BSTRA ball testing is conservative
- BSTRA balls in the fleet are cracked
- BSTRA ball cracks will arrest
- BSTRA balls with cracks will continue to perform functionally
- BSTRA ball cracks will produce FOD
- BSTRA ball FOD size and quantity is within acceptable limits (less than 400 microns)
- The risk of BSTRA ball FOD is within existing Program risk levels

Testing on 4 of 8 balls is complete to date and confirms each of these statements

The PRA analysis showed the following BSTRA "raft" mission risk

- Mean less than 1 in 70,000
- Median less than 1 in 200,000

Note: Rafts are liberated islands, either in part or in whole

The Shuttle team when polled concurred with the program position except for one person who did not identify himself on the net.

Michael Greenfield and Bill Readdy both were tied into the telecon and concurred with proceeding with the short term missions (i.e., the next flight of OV-102, 104, and 105).

Ralph Roe and USA were given actions to determine how to stay ahead of this issue, and provide a schedule for inspections, and hardware replacement.

Bill

Kee-1, Wayne, 05:16 PM 2/1/2003 -0500, Try this website, click on T.O. 00-105E-9

From: "Kee-1, Wayne" <Wayne.M.Kee@nasa.gov>
To: "Mullin, Jonathan" <jmullin@mail.hq.nasa.gov>
Subject: Try this website, click on T.O. 00-105E-9
Date: Sat, 1 Feb 2003 17:16:19 -0500
X-Mailer: Internet Mail Service (5.5.2656.59)

<http://www.afcesa.af.mil/directorate/cex/fire/default.html>

Wayne M. Kee, CEM
NASA Emergency Preparedness Officer
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Wayne.M.Kee@nasa.gov

To: "Wayne R. Frazier" <wfrazier@hq.nasa.gov>
From: "Jonathan B. Mullin" <jmullin@hq.nasa.gov>
Subject: Re: Response to Paul Pastorek.(draft)
Cc:
Bcc:
Attached:

Wayne, if we need to update this . I suggest we get the training on this as I was questioned on this matter earlier in the year by the Air Force.

Regards, Jon

At 11:24 AM 2/10/2003 -0500, you wrote:

See my historical note. I will take up to Bill Hill for input.

Redlines please by noon.

W

Wayne R. Frazier
NASA Headquarters - Code QS
Office of Safety and Mission Assurance
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"Mission success starts with safety"

Jonathan B. Mullin

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"Mission Success Starts with Safety"

To: "GREGG, LARRY (JSC-NT) (MEI)" <larry.gregg1@jsc.nasa.gov>
From: "Jonathan B. Mullin" <jmullin@hq.nasa.gov>
Subject: Re: NSTC Schedule in Light of Columbia Mishap
Cc: Harkins_Wilson, stacey-nakamura
Bcc: Mullin_Jonathan
Attached:

Larry, a quick note.

I would like you to pass to your staff the importance of their mission in promulgating the NASA SMA training, particularly the safety training. Their contributions have been and are significant to the welfare of the NASA employee and to the preservation of our critical resources. The NSTC employees skills have provided immeasurably to NASA and to Contractor employees who have sat in the "available open classroom seats." Your team has prevented mishaps.

How many times has a student been reminded of a condition during a work task and a mishap prevented, that we will never know.

Presenting and providing an "awareness" to NASA employees helps imbed a mind set of institutionalized prevention, a change in behavior.

Our processes will be reviewed by the mishap investigation board, and we have the data to present.

Keep up the outstanding work!

Regards, Jon

At 10:57 AM 2/3/2003 -0600, you wrote:

It is still our intention at the NSTC to proceed on with currently scheduled classes. We do, however, have to allow for the option for classes to be canceled.

If an instructor is called to support the investigation or activities supporting the investigation, the class will be canceled and we will work to reschedule it for some time later in the FY. For you instructors...if this (or anything else related) becomes a factor let me know immediately.

If a center decides that they don't want the class now, either due to loss of students (to support the investigation) or some other reason, let me know immediately as well and we will work to reschedule the class if you desire.

I have directly contacted those of you with classes scheduled for the next couple of weeks, but we will probably need to be flexible for at least the next month or two. I have already had to cancel classes for both instructor and center reasons. Everybody hang in there and we will resolve all the issues and provide all the training needed in due time.

Thanks...please continue to pray for the families and those investigating this tragic event.

Larry Gregg
281-244-1278

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sbrookov@mail.hq.nasa.gov, 02:11 PM 2/5/2003 -0500, [QS/Mullin] HATS QS/2003-00034 Update

Date: Wed, 5 Feb 2003 14:11:04 -0500 (EST)
From: sbrookov@mail.hq.nasa.gov
Subject: [QS/Mullin] HATS QS/2003-00034 Update

This is a HATS action update message. Action QS/2003-00034, CAI Disaster Funding and Donations Program, has been changed. Closed on 02/05/2003.

Mailing-List: contact ksc-news_release-help@kscnews.ksc.nasa.gov; run by ezmlm
X-No-Archive: yes
list-help: <mailto:ksc-news_release-help@kscnews.ksc.nasa.gov>
list-unsubscribe: <mailto:ksc-news_release-unsubscribe@kscnews.ksc.nasa.gov>
list-post: <mailto:ksc-news_release@kscnews.ksc.nasa.gov>
Delivered-To: mailing list ksc-news_release@kscnews.ksc.nasa.gov
Delivered-To: moderator for ksc-news_release@kscnews.ksc.nasa.gov
From: "Buckingham-1, Bruce" <Bruce.Buckingham-1@nasa.gov>
To: "1 'ksc-news_release@kscnews.ksc.nasa.gov' (E-mail)" <ksc-news_release@kscnews.ksc.nasa.gov>
Subject: SPACECRAFT AND EXPENDABLE VEHICLES STATUS REPORT May 5, 2003
Date: Mon, 5 May 2003 15:23:24 -0400
X-Mailer: Internet Mail Service (5.5.2656.59)

SPACECRAFT AND EXPENDABLE VEHICLES STATUS REPORT
May 5, 2003

George H. Diller
Kennedy Space Center
321/867-2468

MISSION: Galaxy Evolution Explorer (GALEX)
LAUNCH VEHICLE: Pegasus XL
LAUNCH PAD: Skid Strip, Canaveral Air Force Station
LAUNCH DATE: April 28, 2003

The launch of NASA's Galaxy Evolution Explorer (GALEX) spacecraft aboard an Orbital Sciences Corporation (OSC) air-launched Pegasus vehicle occurred on schedule on Monday, April 28 at 8 a.m. EDT.

The launch began with the departure of the L-1011 aircraft from Cape Canaveral Air Force Station at 7:03 a.m. The drop of the Pegasus rocket from the L-1011 occurred over the Atlantic Ocean at an altitude of 39,000 feet at a location approximately 100 nautical miles offshore east-northeast of Cape Canaveral. A nominal spacecraft separation from Pegasus occurred 11 minutes later. At that time the satellite was in a circular orbit of 430 statute miles (690 km) at a 29-degree inclination. Shortly thereafter, spacecraft acquisition occurred by the TDRS-West Tracking and Data Relay Satellite followed by tracking stations on the ground in Australia and Hawaii that were able to confirm the GALEX telescope was in a good state of health.

GALEX continues to operate satisfactorily and spacecraft checkout is proceeding of GALEX is underway.

GALEX will observe a million galaxies across 10 billion years of cosmic history to help astronomers determine when the stars and galaxies we see today had their origins. The spacecraft will make the first ultraviolet scan of the whole sky beyond the Milky Way galaxy.

The GALEX program management is by NASA's Goddard Space Flight Center and is part of Goddard's Small Explorer (SMEX) program. Spacecraft project management is the

responsibility of the Jet Propulsion Laboratory, and the California Institute of Technology is the lead for mission science.

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MISSION: Mars Exploration Rovers (MER-1/MER-2)
LAUNCH VEHICLES: Delta II/Delta II Heavy
LAUNCH PADS: 17-A/17-B
LAUNCH DATES: June 5/June 25
LAUNCH TIMES: 2:56:59 p.m. / 12:38:16 a.m. EDT

The reworked telecom support boards (TSB) have been installed on both MER landers. MER-2 lander integration was completed on Thursday, April 24. Integration of the MER-2 entry vehicle (back shell, heat shield, lander and rover assembly) has been completed. Last week the spacecraft had a weight and center of gravity determination was followed by a dry-spin test. Fueling is planned for May 11 and will be followed by another spin test once fuel is aboard.

On MER-1, rover installation onto the base petal has been completed and the lander's air bag installation is scheduled for this week.

The mission will have two launch opportunities each day during the launch period, which is scheduled to close on June 19. Arrival at Mars is set for Jan 4, 2003, regardless of the launch date within that period.

On Cape Canaveral Air Force Station, first stage was erected on Wednesday, April 23 for MER-A on Pad 17-A. Second stage erection was completed on Monday, April 28. Fairing on April 30 Simulated Flight and Engine Sequence is currently scheduled for May 9. The solid motor erection is scheduled for May 14-16. For MER-B on Pad 17-B, the solid rocket boosters will be erected May 19-24, the second stage will be hoisted atop the first stage on May 28th.

MISSION: Space Infrared Telescope Facility (SIRTF)
LAUNCH VEHICLE: Delta II Heavy
LAUNCH PAD: 17-B, Cape Canaveral Air Force Station
LAUNCH DATE: August 27, 2003
LAUNCH TIME: TBD

At Pad 17-B, the SIRTF observatory was removed from atop the Delta II rocket about mid-evening on Friday, May 2 and was taken back to NASA Spacecraft Hangar AE during the overnight hours.

Work is underway today to remove the Delta second stage. Next to be removed will be five of the solid rocket boosters, two of which have the delamination concern and the three others because of the amount of time remaining in their shelf life. The four remaining boosters

and the Delta first stage will be used by MER-B.

SIRTF will remain in the clean room at Hangar AE until it returns to the pad in early August. The launch of SIRTF is currently planned to occur on Wednesday, August 27.

Project management of SIRTF for NASA is by the Jet Propulsion Laboratory. The observatory was built for NASA by Lockheed Martin and Ball Aerospace.

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**Independent Verification and Validation (IV&V) Facility
Transition Implementation Plan (discussion draft mod 2)**

May 5, 2003

Action Officer: James Lloyd, 202-358-0557 james.d.lloyd@nasa.gov

Purpose of Plan:

To present an organizational concept, and a plan of action for implementation if approved, that is intended to better clarify and higher elevate the organization visibility and authority of the Agency Software Independent Verification and Validation Facility.

To establish tasks and milestones for the transition of the management of Agency IV&V program resources to a "Board of Directors" approach coordinated by the AA, Office of Safety and Mission Assurance.

Scope:

The transition affects processes and responsibilities related to the NASA IV&V Facility, located at Fairmont, WV, and Goddard Space Flight Center (GSFC), Greenbelt, MD, and is of direct or indirect interest to several staff offices located at Headquarters (principally Code F, Code J, Code Q, Code X and the Institutional Program Office, Code Y). The budgeting and funding aspects of this transfer will continue to relate to the program budgets of each Enterprise.

Background:

The Assistant Deputy Administrator for Technical requested an independent evaluation of the IV&V process within NASA, in late calendar year 2002. The purpose of the assessment was to:

- 1) Understand the current status of the Agency's IV&V capability,
- 2) Identify any issues related to applying IV&V on NASA Programs and Projects and
- 3) Make recommendations for improvements of IV&V capability to the Associate Deputy Administer for Technical Programs.

The results of this assessment were briefed to the ADA for Technical Programs on April 4, 2003 and are documented in a final draft report, Final Report of the NASA Agency IV&V Capability Assessment, dated April 23, 2003, this final report includes numerous conclusions and several recommendations for improvement. This transition implementation plan addresses the report's conclusions and recommendations that relate to the establishment of a single management and funding source for functional oversight at Headquarter, Office of Safety and Mission Assurance and to a Headquarters' IV&V Review Team (hereinafter referred to as the IV&V Board of Directors). For reference the conclusions of the report include:

- **Improve IV&V startup process**

- Minimize cost negotiation with projects
- Establish IV&V in sync with project development lifecycle
- Revamp IV&V criteria definition and process (project self – assessment)
- **Improve budget/cost process.**
 - Document and verify Facility cost model
 - Require Facility cost reporting to single organization
- **Assure IV&V performance**
 - Validate and document Agency level IV&V requirements
 - Assure consistent level of IV&V technical expertise and performance
- **Assure IV&V is coordinated with project software assurance team**

These conclusions generated the following recommendations:

- **Create a single management (and funding) source for IV&V functional oversight at Headquarters, Code Q**
 - Enhanced communications, accountability
- **Establish HQ IV&V Review Team**
 - Membership: Codes Q & AE, Enterprises, IV&V
 - Set IV&V budget requirement and allocation
- **Establish Transition Team to implement recommended changes**
 - Led by IV&V, members include subset of Assessment Team and Facility personnel
- **IV&V to address finding concerning lack of metrics**

The IV&V Facility was asked on April 4, 2003 to assemble a plan for addressing the two recommendations relating to the quality and improvement in the delivery of software IV&V services.

To raise the stature of the NASA IV&V Facility a new management model is proposed. It will establish and elevate the mission of Agency IV&V as one that is delegated from the AA, OSMA and assigned to the Center Director, GSFC as a program. This model will align the program management accountability relationship to one that is between the AA, OSMA and the Director, GSFC. Tasks to be accomplished:

Task 1: Establish an "IV&V program" with a program reporting responsibility from the IV&V Facility to the Center Director, GSFC. The Director of the IV&V Facility will be reassigned from his present staff location at GSFC in Code 300 to the Center Director's staff and will be accountable to the Director, GSFC for the effectiveness and proper implementation of the Agency IV&V program. The AA, OSMA will draft a memorandum of understanding that will delegate the Agency mission for IV&V to the Center Director of GSFC with the understanding that the Director, IV&V Facility will fulfill the role of Agency IV&V Program manager; the program will be managed under the direct auspices of the Center Director using the Governing Program Management Committee approach for the day-to-day management obligations.

- The AA, OSMA, will evaluate and provide to the Director, GSFC, semi annual performance evaluations of the Facility Director for the effectiveness his leadership and implementation of the IV&V mission.

- The Senior Executive Service position description of the Director, IV&V Facility will be modified in accordance with the sample attached reflecting this change.

Task 1 Status: Code Q is to finalize an MOU reflecting this change.

Task 2: Continue an administrative support relationship with GSFC whereby GSFC continues to provide associated administrative support services for personnel and facilities:

- Any maintenance and construction funding/services associated with the IV&V “brick and mortar” will be provided by GSFC and monitored by the associated IPO in Code Y and Code J.
- All the civil servants located at the facility will continue as GSFC employees with GSFC providing all personnel-related services for civil servants that are on the IV&V Facility rolls.
 - Applies to payroll, payroll benefits, personnel actions (“hiring and firing”), occupational health and employee assistance, equal employment, security, legal, safety and other activities associated with the civil service work force.
- The IV&V Facility Director will be accountable to the GSFC Center Director for successful management of these administrative matters.
 - The GSFC Center Director will evaluate, on a semi-annual basis, the performance of the Facility Director for his leadership role in these activities.

Task 2 Status: Continue the *status quo* as presently organized.

Task 3: Establish an Agency controlled source of funding with a means of formulating the annual budget requirements and equitably distributing or allocating to Programs/Projects on a needs basis. Use this mechanism to assure that resources are provided to those programs/projects that have the greatest need for IV&V resources and to assure a stable funding profile for IV&V.

- Establish a Board of Directors at Agency HQ to evaluate the needs and determine the allocation of resources. This Board would consist of:
 - AA, OSMA (Chair)
 - Chief Engineer
 - The Chief Information Officer (CIO)
 - Enterprise AAs (M, N, R, S, U, Y)
 - Director, GSFC
 - Director, IV&V Facility, Executive Secretary
- The Board will meet periodically to assure that funding is planned and allocated in accordance with Agency needs. The Board will also review and approve the algorithm for determining program needs and level of effort for Applied IV&V.

Task 3 Status: A concept for a Board of Directors has been offered for consideration and a charter will be developed upon approval of this concept for management of the Agency IV&V program budget that will be allocated from a budget line established as part of the AA, OSMA budget submission. Using the recent results from the 2003 POP call (PowerPoint Charts enclosed), the AA< OSMA has developed this line item in its budget for the next budget submit. In order to allocate this money, the IV&V Facility will develop an algorithm based on needs and software criticality; the algorithm is to be presented for the Approval of the Board of Directors and used as the means for budget allocation for existing and new projects.

Position Description for the Facility IV&V Director

**Assistant Associate Administrator for NASA Independent Verification and Validation (IV&V)
Director, IV&V Facility, Fairmont, WV
Goddard Space Flight Center**

SES Career Reserved
Occupational Series: 0801
NASA Code 770-01

Executive Position Manager Date

Programmatic Assignments: The incumbent serves as the Director, NASA IV&V Facility. The incumbent is responsible for the management of Agency IV&V activities employed to reduce risk related to the software development process inherent in most NASA missions and the further development and strengthening of the capabilities of the IV&V Facility. The incumbent will report to the Director, Goddard Space Flight Center for program management and administrative support with facilities, procurement and human resources.

- Manages government software IV&V efforts applied to the complex and rapidly evolving technology associated with state-of-the-art software.
- Fosters research and development programs in software engineering and information technology, particularly in the areas of re-use, verification, validation, and software processes for complex systems.
- Plans, directs, implements, and evaluates IV&V projects and recommends/develops corrective action for identified deficiencies.
- Formulates and champions Agency guidelines and establishes criteria for determining the need for application of IV&V to software development efforts within the Agency.
- Establishes and implements a continuous improvement program for IV&V methods, techniques, practices and tools, incorporating quality management principles and methods (for example, ISO 9000; Capability Maturity Model Integration, etc.). The establishment of the Facility as the NASA IV&V Center of Excellence is a key objective of this position.
- Serve as Executive Director for the Agency IV&V Board of Directors.

Managerial Assignments: The incumbent is responsible for all tasks required to organize and manage the IV&V Facility through development and implementation of functional responsibilities, selection of employees, assignment of duties, evaluation of employee performance, planning for employee development, and approval of awards, promotions, discipline and adverse actions. The incumbent develops and makes recommendations for the allocation of programmatic IV&V mission resources through the Director, Goddard Space Flight Center to the Associate Administrator, Office of Safety and Mission Assurance. The incumbent's managerial responsibility extends to improvements in effectiveness, cost efficiency and timeliness of performance of the mission of the IV&V Facility. The incumbent assures the implementation of applicable occupational safety and health requirements for those employees resident at the IV&V facility, and develops and defends the operating and maintenance budgets and resource requirements for the Facility.

Equal Employment: The furthering of equal opportunity, affirmative action and diversity management goals is a requirement of this position. The incumbent must effectively lead, direct, and develop individuals of diverse occupations and varying skill levels through coaching, mentoring, teaming, rewards and recognition in order to achieve organizational goals. The incumbent is accountable for fair and equal treatment of individuals directly or indirectly supervised in the areas of employment, development, advancement and recognition. The incumbent shall foster an atmosphere that values both individual differences (to capitalize on the strengths of a diverse workforce to better perform the mission) as well as inclusion and respect for all employees.

Individual Assignments: None.



Starts With Safety

Office of Safety and Mission Assurance FY 2004 Institutional Budget Overview (\$M)

	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
FY 2004 President's Budget	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5
Baseline Recommended	28.5	28.3	61.5	64.0	68.2	69.0	67.3	58.8
Reduction		(0.2)	-	-	-	-	-	-
Electronic Parts (Transfer From AE)	-	-	6.5	6.5	6.5	6.5	6.5	6.5
Orbital Debris	-	-	3.0	4.5	4.5	4.5	4.5	4.5
IV&V	-	-	28.3	30.8	35.0	35.8	34.1	25.6

Notes:

- These figures are not in full cost. Civil Service salaries and benefits for UPN 323 and UPN 297 are \$2.7M in FY 2003.
- The NASA Electronic Parts Program transferred from Code AE will be combined with the NASA Electronic Parts Assurance Program (NEPAG).
- The Orbital Debris Program, if properly funded, is baselined at \$3.0M. The current prepaid NASA/DOD MOA for the use of the Haystack/HAX radar expires in FY 2004. Yearly fees to renew this service are estimated to be \$ 1.5-2.0M annually beginning in FY 2005.
- The budget for IV&V is based on estimated requirements for NASA Enterprises plus Facility costs of approximately \$4M.

4/29/2003 (2)



Starts With Safety

FY 2004 IV&V Budget Estimates (POP 03)

All Dollars in Millions

ENTERPRISE	FY02	FY03	FY04	FY05	FY06	FY07	FY08	FY09
IV&V Contract only (M3) from IV&V Mission Model:								
CODE Y	\$2.14	\$1.90	\$2.05	\$2.77	\$3.02	\$2.21	\$2.20	\$2.13
CODE S	\$5.69	\$6.31	\$10.20	\$14.30	\$18.59	\$20.10	\$19.59	\$10.07
CODE Q	\$2.90	\$2.90	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
CODE M	\$6.35	\$5.41	\$6.41	\$7.48	\$7.97	\$6.99	\$6.85	\$6.87
CODE R	\$1.59	\$2.79	\$3.09	\$1.42	\$0.97	\$1.99	\$2.05	\$2.11
CODE B	\$0.44	\$0.64	\$0.81	\$0.65	\$0.68	\$0.00	\$0.00	\$0.00
CODE U	\$0.00	\$0.08	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTALS	\$19.11	\$22.01	\$24.38	\$26.60	\$30.63	\$31.28	\$29.49	\$21.18
TOTAL IV&V Contract Funding Pool Requirements:	\$19.11	\$22.01	\$24.38	\$26.60	\$30.63	\$31.28	\$29.49	\$21.18
Facility Discretionary			\$0.70	\$0.80	\$0.90	\$0.90	\$0.80	\$0.60
Facility O&M requirement			\$3.30	\$3.60	\$3.60	\$3.60	\$3.60	\$3.60
Minus Lease income			-\$0.10	-\$0.10	-\$0.10	-\$0.10	-\$0.10	-\$0.10
Total Facility Funding Requirement			\$3.90	\$4.20	\$4.40	\$4.80	\$4.80	\$4.40
Total Agency IV&V Funding Requirement			\$28.28	\$30.80	\$35.03	\$36.08	\$34.09	\$25.58
Funding pool allocation			\$26.26	\$30.80	\$35.03	\$35.83	\$34.09	\$25.58
CODE Y			\$2.38	\$3.21	\$3.45	\$2.34	\$2.34	\$2.27
CODE S			\$11.83	\$16.58	\$21.26	\$23.08	\$21.26	\$12.18
CODE M			\$8.78	\$6.64	\$6.43	\$7.95	\$7.92	\$6.30
CODE R			\$3.59	\$1.64	\$1.11	\$2.26	\$2.37	\$2.55
CODE B			\$0.71	\$0.78	\$0.78	\$0.00	\$0.00	\$0.00
CODE U			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTALS			\$26.26	\$30.80	\$35.03	\$35.83	\$34.09	\$25.58

Notes: Mission IV&V support only; Does not reflect full-cost; ISS \$2.9M moved from Code Q to Code M for FY04 and subs



Starts With Safety

IV&V STAFFING PLAN (POP 03)

	FY02	FY03	FY04	FY05	FY06	FY07	FY08	FY09
Civil Service FTEs	29	35	40	45	45	45	45	45
Civil Service Salaries*	\$ 2.90	\$ 3.60	\$ 4.30	\$ 5.10	\$ 5.25	\$ 5.40	\$ 5.50	\$ 5.50
Contractors On-Site	103.1	110.6	102.9	108.4	121.1	117.7	108.9	108.9
Contractors Off-Site	71	79.8	83.4	88.1	99.5	99.9	87.5	87.5
TOTAL STAFFING	203.1	225.4	226.3	241.5	265.6	262.6	241.4	241.4
*\$s in Millions								

X-Authentication-Warning: spinoza.public.hq.nasa.gov: majordom set sender to owner-code-q using -f
Reply-To: jllloyd@mail.hq.nasa.gov
X-Originating-IP: 68.100.166.170
X-URL: <http://mail2web.com/>
From: "jllloyd@mail.hq.nasa.gov" <jllloyd@mail.hq.nasa.gov>
To: smadir@lists.hq.nasa.gov
Cc: Code-Q@lists.hq.nasa.gov
Subject: Columbia SMA Teleconference
Date: Tue, 18 Feb 2003 10:27:42 -0500
X-OriginalArrivalTime: 18 Feb 2003 15:27:42.0502 (UTC) FILETIME=[476F0460:01C2D762]
X-MIME-Autoconverted: from quoted-printable to 8bit by spinoza.public.hq.nasa.gov id KAA25845
Sender: owner-code-q@lists.hq.nasa.gov

Dear SMA Directors,
I am postponing today's SMA teleconference until tomorrow (Wednesday) at 1 pm est.
Jim Lloyd

mail2web - Check your email from the web at
<http://mail2web.com/> .

Buckingham-1, Bruce, 02:15 PM 2/2/2003 -0500, NASA PRESS CONFERENCES ANNOUNCED

Mailing-List: contact ksc-news_release-help@kscnews.ksc.nasa.gov; run by ezmlm

X-No-Archive: yes

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Delivered-To: moderator for ksc-news_release@kscnews.ksc.nasa.gov

From: "Buckingham-1, Bruce" <Bruce.Buckingham-1@nasa.gov>

To: "1 'ksc-news_release@kscnews.ksc.nasa.gov' (E-mail)" <ksc-news_release@kscnews.ksc.nasa.gov>

Subject: NASA PRESS CONFERENCES ANNOUNCED

Date: Sun, 2 Feb 2003 14:15:35 -0500

X-Mailer: Internet Mail Service (5.5.2653.19)

Robert Mirelson
Headquarters, Washington

Feb. 2, 2003
1:00 p.m. EST

RELEASE: 03-036

NASA PRESS CONFERENCES ANNOUNCED

A press conference by Space Shuttle Program Manager Ron Dittmore and the Director of Flight Crew Operations, Bob Cabana will take place from NASA's Johnson Space Center, Houston, at 4:30 p.m. EST today. The briefing will be carried on NASA TV with limited two-way question and answer capability from other agency centers.

NASA is planning two-per-day press briefings starting Monday, Feb. 3, 2003. There will be a daily press briefing from NASA Headquarters, 300 E Street SW, Washington, at 11:30 a.m. EST and at 4:30 p.m. EST from the Johnson Space Center. Senior NASA officials will participate in the press briefings.

NASA TV is on AMC-2, Transponder 9C, vertical polarization at 85 degrees west longitude, 3880 MHz, with audio at 6.8 MHz.

More information will be released as it becomes available. NASA information is available on the Internet at:

www.nasa.gov

-end-

* * *

NASA press releases and other information are available automatically by sending an Internet electronic mail message to domo@hq.nasa.gov. In the body of the message (not the subject line) users should type the words "subscribe press-release" (no quotes). The system will reply with a confirmation via E-mail of each subscription. A second automatic message will include additional information on the service. NASA releases also are available via CompuServe using the command GO NASA. To unsubscribe from this mailing list, address an E-mail message to domo@hq.nasa.gov, leave the subject blank, and type only "unsubscribe press-release" (no quotes) in the body of the message.

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To remove your name from the list at any time, send an email addressed to mailto:ksc-news_release-unsubscribe@kscnews.ksc.nasa.gov. With no subject or message.

or you can (un)subscribe on the World Wide Web at: <http://kscnews.ksc.nasa.gov/>

Status reports and other NASA publications are available on the World Wide Web at: <http://www-pao.ksc.nasa.gov/kscpao/kscpao.htm>.

From: "Ackroyd-1, Linda" <Linda.J.Ackroyd@nasa.gov>

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mkowales@hq.nasa.gov, jlloyd@hq.nasa.gov, jmullin@hq.nasa.gov,
wfrazier@hq.nasa.gov, snewman@hq.nasa.gov, mcard@hq.nasa.gov,
rpatrica@hq.nasa.gov, alee@hq.nasa.gov, mwetherh@hq.nasa.gov,
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Timothy Adams-1 <Timothy.C.Adams-1@nasa.gov>,
William Higgins-1 <William.C.Higgins@nasa.gov>

Ackroyd-1, Linda, 04:05 PM 1/17/2003 -0500, KSC Weekly Notes

Subject: KSC Weekly Notes
Date: Fri, 17 Jan 2003 16:05:11 -0500
X-Mailer: Internet Mail Service (5.5.2653.19)

Attached are the weekly notes from Kennedy Space Center for the week ending January 17, 2003. If you have any questions, please contact Bert Garrido (321) 867-1982, or me.

<<011703 Code Q Notes 2.doc>>

Linda
Linda Ackroyd
QA-D
(321) 867-3199



011703 Code Q Notes 2.doc

Kennedy Space Center
Safety and Mission Assurance Weekly Notes
Week Ending January 17, 2003

RISK RELATED ITEMS

1. **ELV - Mars Exploration Rover (MER) Project:** A variance will be requested for Pyro test firing in the Payload Hazardous Servicing Facility (PHSF). The first videotape provided had blow - back and contamination issues. These pyros were modified by JPL (in house) and lot testing was performed. Video of this lot test indicated that the blow - back and contamination issue had been resolved by a new design. Based on this, KSC NASA safety feels it is safe to run this test at the PHSF. The test and back out procedures were reviewed and comments were forwarded to JPL. NASA Safety reviewed 10 Hazard Reports and submitted the review comments to JPL. JPL has done an excellent job of providing the data in a timely fashion. **Risk level unknown at this time-first time operation in a KSC payload processing facility. (UB-F)**

2. **ELV - Delta Fleet -** Investigation results from a failed 2nd stage ordnance box relay found that a metal particle restricted the armatures from contacting each other. This relay (originally installed on the ICESat/CHIPSat vehicle) was from a Lot that was built in 1997 by Babcock, the supplier has since improved their welding and cleaning techniques. Current supplier statistical data shows that 7,454 relays have flown successfully. **Risk level not determined yet. (VA-D)**

3. **SPACE STATION -** The Phase III Ground Safety Review for the Japanese Experiment Module (JEM) Pressurized Module (PM), the JEM Remote Manipulator System (JEMRMS) and the Experiment Logistics Module Pressurized Section (ELM-PS) was conducted on 15 - 17 January with the Ground Safety Review Panel (GSRP) and the Japanese (on-site at KSC). All Hazard Reports were signed; however there are several action items that must be completed by the Payload Organization (NASDA) before the Letter of Certification for Ground Processing can be issued. It is expected that the action items will be completed and the Letter of Certification issued prior to the Pre-Ship Review in March. **No increased risk. (UB-F)**

OTHER

4. **ELV - SIRTf Mission -** ELV personnel are attempting to understand Delta III aft thruster unloading data and affects to Delta II heavy. Thrusters are preloaded to 5K lbs and offloaded to 1K during ascent. During Delta III certification analysis, one strain gage went to zero leading to a possibility of aft Solid Rocket Motor (SRM) detachment. Boeing considers the issue low risk and the cause being quasi-static bending of the SRM. **(QA-D)**

5. **ELV - NOAA-N Mission** - Launch will be scheduled no later than June of 2004 with a 120-day call-up. The spacecraft is in storage. Predictions are that only one more MIWG is needed but there are several GOWGs required to firm up GN2 cooling and SLC-2 flow. The integration schedule is in work to determine what work needs to be completed now and what will wait until after call-up. Launch vehicle fabrication is in work. The Alliant Iuka fairing Hardware Acceptance Review is scheduled for January 28. (QA-D)

6. **ELV - AURA Mission** - The last MIWG was last January. Plans are to schedule the next on February 11 and 12 at Northrop Grumman (old TRW). Launch is scheduled for January 2004. The spacecraft is undergoing environmental testing and the integration schedule should get crisp after completion of testing. (QA-D)

7. **ELV - Safety and Mission Assurance** personnel supported Pegasus Reaction Control System (RCS) pressurization of the Composite Over-wrapped Pressure Vessel (COPV) and daily test team meetings associated with the Pegasus Solar Radiation Climate Experiment (SORCE) ground processing. (UB-F)

8. **SHUTTLE - STS-107 SpaceHab and Experiment Configuration Management Assessment** is complete and the final report has been distributed. (QA-D)

9. **SHUTTLE - STS-107** launched on time and no significant issues arose during countdown. (QA-D)

10. **SHUTTLE Payload - Checkout, Assembly, & Processing Services (CAPPS)** S&MA management hosted a visit on January 16, from Jerry Holsomback (JSC ISS, S&MA Manager), Jim Wade (JSC Deputy ISS S&MA Manager), and Darrell Warner (Director of S&MA for Boeing NASA Systems) to discuss organizational structure, the CAPPS contract, and S&MA issues, concerns and status. (UB-F)

11. **SHUTTLE Payload - Safety and Mission Assurance** personnel provided safety support for the set up and connection of calibration gases for the Advanced Respiratory Monitoring System (ARMS) payload in the Baseline Data Collection Facility (BDCF) located in the Operations and Checkout (O&C) Facility. The operation was performed by European Space Agency (ESA) personnel in support of the STS-107 Mission. (UB-F)

12. **SPACE STATION - Safety and Mission Assurance** personnel are performing delegated duties as Quality Assurance representatives for Fundamental Rodent Experiment Supporting Health (FRESH), Ames Research Center (ARC), Commercial Protein Crystal Growth-Protein Crystallization Facility (CPCG-PCF), University of Alabama Birmingham (UAB), the Bar Code Reader battery conditioning, and the Johnson Space Center (JSC), experiments as they process for flight at Hangar L and the Operations and Checkout (O&C) Building. (UB-F)

13. SHUTTLE/STATION/PAYLOADS - Eddie Lebron and Randy Tilley of the SH&IA Independent Assessment office attended the second quarterly HEDS IA Summit Meeting at MSFC. One major item was the status of the current Collaborative Independent Assessment of the Shuttle COFR process being conducted by the three centers: JSC, KSC and MSFC. The collaborative effort is working well and is a good model for future collaborative efforts. All parties agreed on common processes for sharing IA Reports, plans, rosters and Monthly Activity Reports on a central IA Website. A discussion was held on the sensitivities of export control restrictions on the handling of Assessment Reports. The meeting was an excellent opportunity for the three centers to share information. The next quarterly meeting will be held at JSC. (QA-D)

14. RANGE SAFETY - Air Force and FAA Requirements Update. Safety and Mission Assurance personnel participated in the Common Standards Working Group (CSWG) and Senior Steering Group (SSG) video teleconference on January 14, 2003. Three actions were taken:

- a. CSWG will evaluate the pros and cons and make recommendation to the SSG in early February regarding options of publishing the AFSPCMan 91-710 in September 2003 with a later revision to coincide with subsequent FAA regulation versus publishing a draft AFSPCMan 91-710 in September 2003 and an official version concurrent with FAA regulation.
- b. Headquarters Air Force Space Command will provide official status and recommendation to FAA on the Air Force representative that will be resident at FAA Headquarters in Washington, DC.
- c. CSWG will coordinate Headquarters Air Force Space Command recommended position on standard for calculation of neighboring launch operators in public risk assessments. (QA-D)

From: "Ackroyd-1, Linda" <Linda.J.Ackroyd@nasa.gov>

To: wbihner@hq.nasa.gov, pmartin@hq.nasa.gov, rmielec@hq.nasa.gov, mkowales@hq.nasa.gov, jlloyd@hq.nasa.gov, jmullin@hq.nasa.gov, wfrazier@hq.nasa.gov, sneman@hq.nasa.gov, mcard@hq.nasa.gov, rpatrica@hq.nasa.gov, alee@hq.nasa.gov, mwetherh@hq.nasa.gov, pnapala@hq.nasa.gov, whill@hq.nasa.gov, gwhite@hq.nasa.gov, wharkins@hq.nasa.gov, jlemke@hq.nasa.gov, mstamate@hq.nasa.gov, jlyver@hq.nasa.gov, blowey@hq.nasa.gov, rmoyer@hq.nasa.gov, prutledg@hq.nasa.gov, swander@hq.nasa.gov, prichard@hq.nasa.gov, twhitmey@hq.nasa.gov, fchandle@hq.nasa.gov, eraynor@hq.nasa.gov

Cc: "Willis-1, Brenda" <Brenda.P.Willis@nasa.gov>, "Jansen-1, Bruce" <Bruce.L.Jansen@nasa.gov>, "Summerfield-1, Burton" <Burton.R.Summerfield@nasa.gov>, "Staubus-1, Calvert" <Calvert.A.Staubus@nasa.gov>, "Welford-1, Danny" <Danny.R.Welford@nasa.gov>, "Lebron-1, Edmundo (Eddie)" <Edmundo.J.Lebron@nasa.gov>, "Patten-1, Florence" <Florence.Patten-1@nasa.gov>, "Delgado-1, Hector" <Hector.N.Delgado@nasa.gov>, "Meeks-1, Howard" <Howard.S.Meeks@nasa.gov>, "Garrido-1, Humberto (Bert)" <Humberto.T.Garrido@nasa.gov>, "Kennedy-1, James" <James.W.Kennedy@nasa.gov>, "Heald-1, Jim" <Jim.Heald-1@nasa.gov>, "Branard-1, John" <John.J.Branard@nasa.gov>, "Talone-1, John" <John.J.Talone@nasa.gov>, "Richards-1, Joni" <Joni.M.Richards@nasa.gov>, "Gordon-1, Joseph" <Joseph.P.Gordon@nasa.gov>, "Tucci-1, Larry" <Larry.R.Tucci@nasa.gov>, "Tobin-1, Maria" <Maria.A.Tobin@nasa.gov>, "Gordon-1, Mark" <Mark.W.Gordon@nasa.gov>, "Teague-1, Martie" <Martie.Teague-1@nasa.gov>, "Dodson-1, Michael" <Michael.Dodson-1@nasa.gov>, "Haddad-1, Michael" <Michael.E.Haddad@nasa.gov>, "Wetmore-1, Mike" <Michael.E.Wetmore@nasa.gov>, Toledo-1 Oscar <Oscar.Toledo-1@nasa.gov>, "Tilley-1, Randall" <Randall.W.Tilley@nasa.gov>, "Caimi-1, Raoul" <Raoul.E.Caimi@nasa.gov>, "Boutin-1, Richard" <Richard.A.Boutin@nasa.gov>, "Gillett-1, Ronald" <Ronald.R.Gillett@nasa.gov>, "Bridges-1, Roy" <Roy.Bridges@nasa.gov>, "Kerr-1, Scott" <Scott.D.Kerr@nasa.gov>, "Huet-1, Sharolee" <Sharolee.A.Huet@nasa.gov>, "Ernest-1, Stephen" <Stephen.P.Ernest@nasa.gov>, "Francois-1, Stephen" <Stephen.M.Francois@nasa.gov>, "Brisbin-1, Steven" <Steven.Brisbin-1@nasa.gov>, "Adams-1, Timothy" <Timothy.C.Adams-1@nasa.gov>, "Higgins-1, William" <William.C.Higgins@nasa.gov>

Subject: KSC Weekly Notes

Date: Fri, 24 Jan 2003 16:09:38 -0500

X-Mailer: Internet Mail Service (5.5.2656.59)

Attached are the weekly notes from Kennedy Space Center. If you have any questions, please call Bert Garrido (321) 867-1982, or me.

<<012403 Code Q Notes 2.doc>>

Thank you,

Linda
Linda Ackroyd
QA-D
(321) 867-3199



012403 Code Q Notes 2.doc

To: "NAKAMURA, STACEY T. (JSC-NS) (NASA)" <stacey.t.nakamura@nasa.gov>
From: "Jonathan B. Mullin" <jmullin@hq.nasa.gov>
Subject: RE: Shuttle Search Results
Cc:
Bcc:
Attached:

See you next week. Stay safe. Regards, Jon
At 03:55 PM 2/28/2003 -0600, you wrote:
received, thx,

-
Stacey T. Nakamura
Phone: (281) 483-4345
Fax: (281) 483-6275

-----Original Message-----

From: Jonathan B. Mullin [<mailto:jmullin@hq.nasa.gov>]
Sent: Friday, February 28, 2003 3:22 PM
To: NAKAMURA, STACEY T. (JSC-NS) (NASA)
Cc: jhanbury@hq.nasa.gov; mvohs@hq.nasa.gov; sbrookov@hq.nasa.gov;
prichard@hq.nasa.gov
Subject: Shuttle Search Results
Importance: High

Stacey, here is a bit of over kill on an IRIS inquiry that was run.

If you want this paired down, let us know what parameters might be applicable. Mark Vohs indicates that there may be some duplicate records in the lot.

Regards, Jon

>From: Mark Vohs <>
>Subject: Shuttle Search Results
>Cc: joe Hanbury <jhanbury@hq.nasa.gov>, karen Wessinger
><kwessing@hq.nasa.gov>,
> mvohs@hq.nasa.gov
>

>Jon here are the results of the newest search. The new record count is 2143.

>Please let me know if you need the search modified. I've got a way of
>getting the data to you faster for the next time we need to run such a
>query.

>

>Thanks

>
>
>

>Mark Vohs
>Lead
>ISEM Software Development
>NASA codes A,E,G,I,J,K,Q,W,X
>Work:703-676-0281

..
>
>
>

Jonathan B. Mullin
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"Mission Success Starts with Safety"

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"Mission Success Starts with Safety"

To: Mark Vohs <mvohs@hq.nasa.gov>
From: "Jonathan B. Mullin" <jmullin@hq.nasa.gov>
Subject: Re: Shuttle Search Results
Cc:
Bcc:
Attached:

Mark, Lets talk. Looks like a bunch of data. Thanks for the good work so far. Regards, Jon
At 11:20 AM 2/21/2003 -0500, you wrote:

Jon here are the results of the newest search. The new record count is 2143.
Please let me know if you need the search modified. I've got a way of getting the data to you
faster for the next time we need to run such a query.

Thanks

Mark Vohs
Lead
ISEM Software Development
NASA codes A,E,G,I,J,K,Q,W,X
Work:703-676-0281

Jonathan B. Mullin
Manager Operational Safety
Emergency Preparedness Coordinator
Headquarters National Aeronautics and Space Administration
Phone (202) 358-0589
FAX (202) 358-3104
"Mission Success Starts with Safety"

To: guy-camomilli
From: "Jonathan B. Mullin" <jmullin@hq.nasa.gov>
Subject: Okeefe
Cc:
Bcc:
Attached:

<http://www.hq.nasa.gov/office/codeq/safety/index.htm>

Manager Operational Safety
Emergency Preparedness Coordinator
Headquarters National Aeronautics and Space Administration
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"Mission Success Starts with Safety"

To: lemke-john
From: "Jonathan B. Mullin" <jmullin@hq.nasa.gov>
Subject: Fwd: Henry's SMA Historical Doc Research / Fwd: Documents found
Cc:
Lloyd_James, Richardson_Pamela, Rutledge_Peter, henry ne, Brookover_Sylvia, steve-newman, Frazier_Way
Bcc: Mullin_Jonathan
Attached: c:\program files\eutora\attach\Potential Historical documents relating to shuttle.doc;

John, the purpose of this note is to confirm your position that the NASA Code Q would appreciate copies of all of the data, however, they need not be delivered on January 7, 2003. Mr. Hartt is commissioning some colleagues to develop copies of the data. (This information was apparently gleaned from some of our VITRO Files.)

Regards, Jon

X-Sender: sneyman@mail.hq.nasa.gov
X-Mailer: QUALCOMM Windows Eudora Version 4.3.2
Date: Fri, 07 Feb 2003 13:15:44 -0500
To: jmullin@hq.nasa.gov
From: J Steven Newman <snewman@hq.nasa.gov>
Subject: Henry's SMA Historical Doc Research / Fwd: Documents found
Cc: prutledg@hq.nasa.gov, james Lloyd <jlloyd@hq.nasa.gov>

From:
To: "Steve Newman (E-mail)" <snewman@hq.nasa.gov>
Cc: "Steve Wander (E-mail)" <swander@hq.nasa.gov>
Subject: Documents found
Date: Fri, 7 Feb 2003 13:09:27 -0500
X-Mailer: Internet Mail Service (5.5.2653.19)

Steve,

I've been through everything we have squirreled away and these look like they may have some relevance. Let me know what you think -- I need to go pick up my daughter at the university of MD sometime after 2:30 or thereabouts if at all possible -- according to her the dining hall basically ran out of food -- "Just in time" feeding gone bad?

Let me know if you need any of these things this afternoon and perhaps I can drop 'em off after I pick her up.

Henry

<<Potential Historical documents relating to shuttle.doc>>

Jonathan B. Mullin
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To: J Steven Newman <snewman@hq.nasa.gov>
From: "Jonathan B. Mullin" <jmullin@hq.nasa.gov>
Subject: Re: Fwd: Henry's SMA Historical Doc Research / Fwd: Documents found
Cc:
Bcc:
Attached:

Thanks, Regards, Jon

At 03:16 PM 2/7/2003 -0500, you wrote:

Jon:

BAE and ARES supporting.

Documents will be delivered to HQ by 9am on Tuesday.

R/Steve

At 02:46 PM 2/7/2003 -0500, Jonathan B. Mullin wrote:

John, the purpose of this note is to confirm your position that the NASA Code Q would appreciate copies of all of the data, however, they need not be delivered on January 7, 2003. Mr. Hartt is commissioning some colleagues to develop copies of the data. (This information was apparently gleaned from some of our VITRO Files.)

Regards, Jon

X-Sender: snewman@mail.hq.nasa.gov

X-Mailer: QUALCOMM Windows Eudora Version 4.3.2

Date: Fri, 07 Feb 2003 13:15:44 -0500

To: jmullin@hq.nasa.gov

From: J Steven Newman <snewman@hq.nasa.gov>

Subject: Henry's SMA Historical Doc Research / Fwd: Documents found

Cc: prutledg@hq.nasa.gov, james Lloyd <jlloyd@hq.nasa.gov>

From: :

To: "Steve Newman (E-mail)" <snewman@hq.nasa.gov>

Cc: "Steve Wander (E-mail)" <swander@hq.nasa.gov>

Subject: Documents found

Date: Fri, 7 Feb 2003 13:09:27 -0500

X-Mailer: Internet Mail Service (5.5.2653.19)

Steve,

I've been through everything we have squirreled away and these look like they may have some relevance. Let me know what you think -- I need to go pick up my daughter at the university of MD sometime after 2:30 or thereabouts if at all possible -- according to her the dining hall basically ran out of food -- "Just in time" feeding gone bad?

Let me know if you need any of these things this afternoon and perhaps I can drop 'em off after I pick her up.

<<Potential Historical documents relating to shuttle.doc>>

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X-Authentication-Warning: spinoza.public.hq.nasa.gov: majordom set sender to owner-code-q using -f

X-Sender: bloewy@mail.hq.nasa.gov

X-Mailer: QUALCOMM Windows Eudora Version 4.3.2

Date: Wed, 05 Feb 2003 10:06:36 -0500

To: code-q@lists.hq.nasa.gov

From: Bill Loewy <bloewy@hq.nasa.gov>

Subject: FW: STS-107 Memorial Service

Sender: owner-code-q@lists.hq.nasa.gov

Sent to me by my nephew, who is in the Navy.

> -----Original Message-----

> From: Arthur, Donald C (RADM NNMC)

> Sent: Wednesday, February 05, 2003 7:12 AM

> To: NNMC - Everyone

> Subject: STS-107 Memorial Service

>

> The STS-107 Memorial Service was very moving! I had the honor of
> attending with your Surgeon General. We flew to Ellington Field which is
> a retired Air Force Base near the Johnson Space Center and were met and
> escorted by an extraordinary woman named Susan Kilrain - a Navy F-14 pilot
> who commanded two Columbia shuttle missions as the pilot. Impressive!
> She's leaving NASA to raise a family - has two youngsters.
> <http://www.jsc.nasa.gov/Bios/htmlbios/kilrain.html>

>

> The service likely had 12,000 attendees, only a few hundred were in the
> front portion where the seats were. The rest was standing room only. The
> event was closed to the public - attendees were NASA employees or
> contractors and the invited guests. Nearly all the active and former
> astronauts and their families were there as well as dozens of Senators and
> over a hundred Congressmen and women.

>

> The entire event was very well organized - with a very somber air. I
> think things went so very well because the dignitaries didn't stand on
> protocol - they just sat approximately where they were supposed to
> regardless of rank or position.

>

> The service began with entrance of the official party. I thought this was
> a real highlight. Usually, the President would be the last person to
> enter after everyone else was seated. Not so this time. He walked in
> from the side and took his seat on the platform. A minute or so later,
> all the family members of the fallen astronauts entered - including Dave
> Brown's father in his wheelchair. It took them a while but our President
> waited patiently. I thought this was a very impressive display of respect
> for the families. I watched as my friend Jon Clark - Laurel's husband -
> and their son Ian walked. They were calm and dignified but, as they
> walked out, I could see the anguish on Jon's face.

- >
- > The invocation and benediction were done in English and Hebrew - a nice
- > touch. Sean O'Keefe spoke about NASA and its commitment to science and
- > pushing the envelope of our knowledge of space and humanity. Kent
- > Rominger spoke about each astronaut in very personal terms... really made
- > them come to life again. The President gave a very warm speech extolling
- > the courage and pioneering spirit of each astronaut. His remarks were
- > also very personal and touching.
- >
- > The Sea Chanters - the Navy chorale group - performed several songs and
- > the Air Force band played wonderful music. As the bells tolled at the end
- > of the ceremony, a group of jets flew overhead in the 'missing man'
- > formation (where one jet vertically separates from the others and makes a
- > near vertical climb toward the heavens). There wasn't a dry eye.
- >
- > How is it that we can lose so much... yet, even in their death, they keep
- > giving us strength of spirit? We're all thankful we knew them, thankful
- > they enriched so many lives, thankful for their courage.
- >
- > V/R, DCA
- >
- > _____
- > Rear Admiral Donald C. Arthur, MC, USN
- > Commander, National Naval Medical Center
- > Chief of the Navy Medical Corps
- > 8901 Wisconsin Avenue
- > Bethesda MD 20889-5600
- >
- > <http://www.nnmc.med.navy.mil/>
- >
- > <<STS-107 Memorial 1.jpg>> <<STS-107 Memorial 2.jpg>> <<President Bush
- > at NASA Memorial.jpg>>



STS-107 Memorial 1.jpg



STS-107 Memorial 2.jpg



President Bush at NASA Memorial.jpg

Bill Loewy
NASA Headquarters

Code QS
Office of Safety and Mission Assurance
Washington DC 20546
Bill.Loewy@hq.nasa.gov

"Mission success starts with safety"

To: EPP-107
From: "Jonathan B. Mullin" <jmullin@hq.nasa.gov>
Subject: Washington Offices Closed
Cc:
Bcc: Fire-Protection,mullin_Jonathan
Attached:

For those who may be attempting to call my office, I am at home. The Washington Offices are closed. Roads are dangerous, snow plows have blocked my drive twice, the roads are not cleared for other than critical traffic.

Should you have a need, call me at
Regards, Jon

Jonathan B. Mullin
Manager Operational Safety
Emergency Preparedness Coordinator
Headquarters National Aeronautics and Space Administration
Phone (202) 358-0589
FAX (202) 358-3104
"Mission Success Starts with Safety"

To: "Turner, Stephen A" <Stephen.A.Turner@maf.nasa.gov>
From: "Jonathan B. Mullin" <jmullin@hq.nasa.gov>
Subject: RE: Washington Offices Closed
Cc:
Bcc:
Attached:

No. Jon

At 07:12 AM 2/18/2003 -0600, you wrote:

Would you like Ms. Powell to call you at home about the HURREVAC?

Stephen A. Turner
Sr. Manager, Safety
Michoud Operations
Lockheed Martin Space Systems Company
New Orleans, Louisiana

(v) (504) 257-2526
(p) (504) 459-0360

-----Original Message-----

From: Jonathan B. Mullin [mailto:jmullin@hq.nasa.gov]
Sent: Tuesday, February 18, 2003 6:57 AM
To: a.h.phillips@larc.nasa.gov; aodonogh@hq.nasa.gov; alee@hq.nasa.gov;
bdolci@arc.nasa.gov; cathy.miller@msfc.nasa.gov;
tsabikos.a.papadimitris.1@gsfc.nasa.gov; chunt@mail.arc.nasa.gov;
clyde.dease@ssc.nasa.gov; dhall@wstf.nasa.gov; Eric.G.Fuller@jpl.nasa.gov;
Ezra.R.Abrahamy@jpl.nasa.gov; frederick.w.battle.jr@jpl.nasa.gov;
h.w.beazley@larc.nasa.gov; jack_vehil@mail.dfrc.nasa.gov;
dennis.g.perrin1@JSC.NASA.GOV; luequention.wilkins@grc.nasa.gov;
lengelbert@mail.arc.nasa.gov; michael.moore@maf.nasa.gov;
probles@nmo.jpl.nasa.gov; sonja.alexander@hq.nasa.gov;
stephen.a.turner@maf.nasa.gov; terry.m.potterton.1@gsfc.nasa.gov;
tom.ambrose@dfrc.nasa.gov; wayne.kee-1@ksc.nasa.gov;
Robert.Turner@hq.nasa.gov; howard.kass@hq.nasa.gov; alee@hq.nasa.gov;
william.barry-1@ksc.nasa.gov; odomingu@hq.nasa.gov;
Catherine.Angotti@hq.nasa.gov; mmcneill@mail.hq.nasa.gov;
tspagnuo@pop200.gsfc.nasa.gov; Patrick.A.Hancock.1@gsfc.nasa.gov;
Jim.Carter@msfc.nasa.gov; Edwin.Jones@msfc.nasa.gov;
john.rodgers@hq.nasa.gov; bnotley@mail.arc.nasa.gov;
gregory.l.ellis.1@gsfc.nasa.gov; t.f.middleton@larc.nasa.gov;
william.c.roeh1@JSC.NASA.GOV; phillip.j.nessler.1@gsfc.nasa.gov;
pete.allen@msfc.nasa.gov; jlabrecq@hq.nasa.gov; cherbert@hq.nasa.gov;
astowes@hq.nasa.gov; Ernest.M.Graham@msfc.nasa.gov; dan.thomas@hq.nasa.gov;
g.m.watson@larc.nasa.gov; rdilustr@mail.hq.nasa.gov; hstewart@hq.nasa.gov;
speyton@hq.nasa.gov; jlemke@hq.nasa.gov; whill@hq.nasa.gov;

michael.stevens-2@ksc.nasa.gov; jlloyd@hq.nasa.gov; prichard@hq.nasa.gov;
robert.t.gaffney1@JSC.NASA.GOV; james.o.cheek@usago.ksc.nasa.gov;
guy.camomilli-1@ksc.nasa.gov
Subject: Washington Offices Closed

For those who may be attempting to call my office, I am at home. The
Washington Offices are closed. Roads are dangerous, snow plows have blocked
my drive twice, the roads are not cleared for other than critical traffic.
Should you have a need, call me at
Regards, Jon

Jonathan B. Mullin
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Emergency Preparedness Coordinator
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INCIDENT REPORT: #1 Georgia

TYPE OF INCIDENT: Bomb Threat / HAZMAT

INCIDENT REPORT DATE AND TIME: 13 February 2003, 1615 Eastern

INCIDENT: At 1143 ET a bomb threat inquiry was placed concerning Mt. Zion High School in Clayton, County, Georgia (15 South of Atlanta). The inquiry was called into Thomasville, MOC . The MOC referred the call to FEMA R4 Operations. R4 Operations in concert with R4 ONP called Georgia Emergency Management Agency (GEMA). GEMA reported that the event had occurred and that the suspicious device was non-functional.

At 1530 hrs GEMA called FEMA Region 4 to report that the device earlier discovered at Mt. Zion High School had a liquid attached. The HAZMAT Team that responded while rendering safe procedures detected two positives for nerve agent. Third test was negative. Atlanta WMD/CST responded and is on scene to validate the testing of the liquid. FBI was alerted and is also on scene. Region 4 has coordinated with GEMA/FBI/JTF. Authorities professional judgment on the initial inspection is that the liquid will test negative. Emergency responders continue to evaluate the situation.

STATE AND LOCAL ACTIONS: Local Emergency Responders have contained the scene. The students were evacuated; the Mt. Zion Parkway was temporarily closed. GEMA is coordinating with local agencies

FEDERAL ACTIONS: The FBI and Atlanta WMD/CST Team are on the scene. Region 4, Thomasville is closely coordinating with Federal agencies and is in contact with the state.

REGIONAL CONTACTS: Mark Dickeson Regional Liaison, 229-225-4618

SOURCE OF INFORMATION: Georgia Emergency Management Agency, Atlanta FBI, and MERS Operations Center 800-792-6196.

INCIDENT REPORT RVII-01

1. **TYPE OF INCIDENT:** Public Inquiries concerning Protective Actions based on Homeland Security Advisory System
2. **INCIDENT REPORT DATE AND TIME:** 02/12/03 1700 CDT
3. **FEDERAL/STATE/LOCAL RESPONSE:** Over the last 48 hrs. the FEMA Regional Office, various State agencies and private volunteer organizations have experienced an increase in phone calls from concerned citizens on what protective actions they should take regarding the increase in the Homeland Security Threat Advisory System. Several media interviews have been conducted with State officials. State Emergency Management Agencies are responding by fielding these calls with general statements that individuals should be prepared for any emergency, such as having a food supply and source of water and a family or business communications plan. State volunteer organizations have been advised to provide basic information on emergency preparedness to the public.
4. **POTENTIAL FEDERAL INVOLVEMENT:** All calls received within FEMA Region VII will be transferred to the Regional Operations Center staff. Talking points have been prepared by the Regional Public Information Officer which will be used by the Regional Operations Center staff to respond to these calls.
5. **SOURCE OF INFORMATION:** FEMA Region VII Regional Operations Center
6. **REGIONAL CONTACTS:** Dianne L. Wilson, ROC Operations Officer,

Curtis D. Musgrave, Director
Response & Recovery Division

FEMA OPERATIONS CENTER, 03:07 PM 2/24/2003 -0500, FW: Winter Weather in Denton

From: FEMA OPERATIONS CENTER <FEMA.OPERATIONS.CENTER@fema.gov>
To: Action Officer <ActionOfficer@fema.gov>,
"ARNGOPS (E-mail)"
<ARNGOPS@ngb.army.mil>,
BBS Submissions <BBSSubmissions@fema.gov>,
Blystadt <blystadt@usa.redcross.org>,
"D'Araujo, Jack"
<Jack.D'Araujo@fema.gov>,
"Debbi Yamanaka (E-mail)"
<dyamanaka@arrow-mountain.com>,
"DOMS (E-mail)" <foxhole@doms.army.mil>,
"DOT OPS - 1 (E-mail)" <tioc-01@rspa.dot.gov>,
"Edward Massimo (E-mail 2)" <Edward.C.Massimo@HQ02.USACE.ARMY.MIL>,
"EPA-EOC HQ (E-mail)" <EOC.EPAHQ@epa.gov>,
"ESF-08 HHS Jevvec (E-mail 2)"
<rjevec@osophs.dhhs.gov>,
FEMADESKREPS <FEMADESKREPS@fema.gov>,
"GSA Montgomery (E-mail)" <kathy.montgomery@gsa.gov>,
HSC EP&R Operations
<HSCEP&ROperations@fema.gov>,
"HUD McCarthy (E-mail)"
<bruce_e._mccarthy@hud.gov>,
"HUD Opper (E-mail)" <jan_c._opper@hud.gov>,
"James Lloyd (E-mail)" <JLloyd@hq.nasa.gov>,
"Jonathan Mullin (E-mail)"
<JMullin@hq.nasa.gov>,
"Karen Maguire (E-mail)" <karen.maguire@usda.gov>,
Mary Margaret Walker <Mary.Margaret.Walker@fema.gov>,
"Maryan Chirayath (E-mail)" <maryan.chirayath@bea.gov>,
Michael Mascaro
<michael.mascaro@bea.gov>,
"NCS (E-mail)" <NCS@NCS.GOV>,
"Nieuwejaar, Sonja" <Sonja.Nieuwejaar@fema.gov>,
"Nmci (E-mail)"
<NMCICommandCenter@eds.com>,
Northcom <icg@northcom.mil>,
"Paolin Hatch (E-mail)" <paolin.hatch@gsa.gov>,
"Parkes, Rose"
<Rose.Parkes@fema.gov>,
patti smith <patti.smith@faa.gov>,
"USACE Acosta (E-mail)" <louis.a.acosta@HQ02.USACE.ARMY.MIL>,
"USACE Hecker (E-mail)" <edward.j.hecker@usace.army.mil>,
"USACE Irwin (E-mail)" <william.e.irwin@usace.army.mil>,
"USACE Miller (E-mail)" <lizabeth.h.miller@usace.army.mil>,
USACE OPS
<ce-uoc@usace.army.mil>
Cc: National HelpDesk <NationalHelpDesk@fema.gov>
Subject: FW: Winter Weather in Denton

Date: Mon, 24 Feb 2003 15:07:10 -0500
X-Mailer: Internet Mail Service (5.5.2656.59)

-----Original Message-----

From: Robinson, Tony
Sent: Monday, February 24, 2003 3:03 PM
To: Castleman, Ron; Jones, Gary
Cc: MOC, Denton; FEMA OPERATIONS CENTER
Subject: Winter Weather in Denton

Due to winter weather the Acting RD (Frank Pagano) and I in consultation with Ed Harris and the other Division Directors have decided to activate our Severe Weather Closure plan for Region VI. The local Universities and other businesses have closed in the area as well. We have coordinated this information with the NPSC.

You can reach let Frank: _____ Jr I _____ on our cell phones if you need any additional information.

Tony Robinson
FEMA Region VI
Administration and Resource Planning Division Director

Tony.Robinson@fema.gov

NAKAMURA, STACEY T. (JSC-NS) (NASA), 04:55 PM 2/21/2003 -0600, IRIS Data

From: "NAKAMURA, STACEY T. (JSC-NS) (NASA)" <stacey.t.nakamura@nasa.gov>
To: "jmullin@hq.nasa.gov" <jmullin@hq.nasa.gov>
Cc: "GREMILLION, E. W. (WAYNE) (JSC-NS) (NASA)" <e.w.gremillion@nasa.gov>
Subject: IRIS Data
Date: Fri, 21 Feb 2003 16:55:33 -0600
X-Mailer: Internet Mail Service (5.5.2653.19)

Have received data from JSC, MSFC, and KSC. Data was forwarded to USA for integration. Awaiting SSC.

-
Stacey T. Nakamura
Phone: (281) 483-4345
Fax: (281) 483-6275

X-Sender: tom_ambrose@mail.dfrc.nasa.gov
Date: Wed, 12 Feb 2003 13:01:35 -0800
To: frank.chavez@dfrc.nasa.gov, phil.fonseca@dfrc.nasa.gov
From: Tom Ambrose <Tom.Ambrose@dfrc.nasa.gov>
Subject: Return Home-Sat Phones
Cc: Lawrence Davis <Lawrence.Davis@dfrc.nasa.gov>, jon.mullin@hq.nasa.gov,
vincent.kinsey@dfrc.nasa.gov

Frank/Phil,

I am checking on the information that your return to DFRC is imminent. If correct, I would request that the return of the loaned Sat Phones and equipment be accomplished with your return.

I have reviewed field reports on the effort down your way and the listing of communication gear resource is impressive. If there is a pressing reason that the use of this study equipment is still needed, ps. make that determination and state the case before return. This left in your custody, and unless there is clear defined need, I would expect it to return same.

To state a specific concern, in many of these multi agency operations, equipment left without clear personal attendance, does not return, or ends up unaccounted. I would not like to see, Code S and Mr. Mullin punished for a good deed.

Once again if there is a clear requirement and priority, let me know. I would need to know the actual belly button who we would hold accountable. As a reminder this is test/study equipment, we are still under obligation to HQ Code Q to meet our test objectives with it.

Tom