

Dryden Monday Management Meeting (DM3)
September 6, 2011

X/Director — David McBride

- Mr. Bobby Braun is leaving NASA at the end of September
- The ELT will have an offsite meeting on Friday, September 9, 2011

X/Director, Dryden Aircraft Operations Facility (DAOF) – Steve Schmidt

General

- DAOF activities are dynamic – be vigilant and practice situational awareness when working or visiting the facility
- The DAOF Safety Video is available on the Xnet for employees to view.
- B-703 evacuation assembly point is the trailer located in the southwest parking lot
- Orientation and individual safety briefings are available for new and or reassigned employees to the DAOF. Contact Ralph Anton, Etasha Arnold, or Sandy Meske

Construction (for the week of Aug 29-Sep 2)

- Multipurpose Lab occupancy continues to wait on fire alarm design approval and testing by L.A. County Fire Department. NASA is looking into Authority Having Jurisdiction (AHJ) granting temporary occupancy approval per NASA-STD 8719.11
- Construction on Cryogenic Storage unit began Aug 8 and is expected to complete by Sept 26

Facility Engineering Support

- The third (50k gal) fuel tank for Fuel Farm is expected to deliver NLT Sept 30
- Mirror Coating Facility service and trouble calls have been initiated to support the operation readiness of the facility
- Procurement package for design of Airborne Science Lab modifications is expected to be released the week of Sept 5
- Acquisition activities for upgrade of 20 Ton Overhead Crane was initiated on Aug 16 and award is estimated on or about Sept 23
- DAOF/JPL team has been formed to look at the possibility of using B-702 as a joint storage facility

Flight Operations

- Working statement of work for additional storage
- Conducted hangar inspection and revised checklist
- Supported Fuel Master site visit
- Debriefed stand-Alone NAMIS test

Safety, Health and Environmental

- Conducted Cryogen Training
- Collected statements and photos for investigation on exploding hangar light
- Reviewed PPE requirements for cryogen servicing
- Monitored construction activities for cryogen storage sheds
- Accompanied LA County Fire on inspection of hangar– no violations
- Reviewed hazard analysis for dry nitrogen gas use in the Pre-flight Integration Facility (PIF)

- Monitored LAWA roof fan job walk

Information Technology

- Installed three network drops from Data Center to Pilot's office to support wireless
- Verified and located an existing cat-5e cable route for two security cameras to support flight operations
- Coordinated and worked with security to complete the cross over for the DAOF Security Control Center
- Finished the door side terminations and card reader hardware installation for the PIF and Lab-2

Other

- Sept 7 – Brown Bag Discussion with DAOF Director
- Sept 8 – Center Director's Town Hall at DAOF

XM/Associate Director for Mission Support — Gwen Young

- From the Center Sustainability Working Group: Dryden is seeking creative individuals to form the new "Dryden Green Team" that will include the previous Employee Energy Team (EET); John Torres is the team lead. The Green Team will develop and launch an innovative new recycling and energy conservation program that will be introduced in January 2012. They will learn about national policy and goals created to foster environmental sustainability. Join now to interact with senior managers (Gwen Young and Jerry McKee are team members) and be part of a team that will dramatically transform Dryden's future. Contact Jennifer Gocke at extension 2909 or John Torres at extension 3739 for more information.

Exchange Council — Roberta Sherrard

Upcoming Events:

Save the Date:

Thursday, October 27, Peer Awards Ceremony and Fall Festival/Chili Cook off

Thursday, December 8, Children's Holiday Party

Friday, December 9, Dryden Holiday Party

Mark your calendar:

Employee Appreciation Luncheon and ELT Dunk Tank – Dryden's annual Employee Appreciation Luncheon will be held Thursday, Sept. 15 from 11:00 a.m. to 12:30 p.m. in the Shuttle Hangar and will feature tri-tip and baked chicken. **Luncheon reservations are required in the form of free meal tickets** which will be available from the DFRC and DAOF Gift Shops no later than Sept. 9 (limit one meal ticket per employee). Dunk tank fundraiser is \$2 per ball or three balls for \$5 (cash only) with proceeds benefitting Exchange Council activities. The following dunk tank schedule is subject to change: 11:00 Gwen Young; 11:08 Steve Schmidt; 11:16 David Samuels; 11:24 Brad Flick; 11:32 Rob Binkley; 11:40 Dennis Hines; 11:48 Dave Wright; 11:56 Sean McMorrow; 12:04 Pat Stoliker; 12:12 Vince Chacon; 12:20 Val Zellmer; 12:28 Jim Smolka. The following dunk tank schedule is subject to change. This event is sponsored by the Executive Leadership Team and the Employee Exchange Council. Note: High-heels, sandals, open-toe and flip-flops are prohibited in hangars and shops.

Saturday, October 1, Six Flags Private Party, 6 P.M. to Midnight – This special Six Flags Magic Mountain event is closed to the public. Only 6000 tickets will be sold. You can purchase your tickets at the DAOF & DFRC gift shop. Tickets for \$24.99 each include admission only. Ticket for \$34.99 each includes admission plus all-you-can-eat buffet meal (cheeseburgers, hot dogs with chili, baked beans, tossed green salad, twin pops and unlimited soft drinks).

Free parking after 5 P.M. - \$5.00 service charge per order - Children 2 and under free
NOTE: (season tickets not honored at this event, no ticket sales at the gate, does not include Hurricane Harbor)

“Picture This” Contest theme for September is “Nature” – Place a photograph on the display board in the entrance to the Dryden Gift Shop. Entry deadline: September 23, 2011 – this is the last month for the “picture this” contest. Look for the calendar coming out this winter.

<http://xnet.dfrc.nasa.gov/EmployeeInfo/Exchange/council.html>

Other Items of Interest:

Dryden & DAOF Gift Shop Sale, Sept 6 – Sept 9, 20% off all baseball and bucket-style hats

Employee Discount Providers - Please check the Employee Discounts

<http://xnet.dfrc.nasa.gov/EmployeeInfo/Exchange/discounts.html> for a current list of businesses offering discounts to Dryden employees.

S/Safety and Mission Assurance — Vince Chacon

LAST WEEK:

Summary of Incidents during 8/27/2011 thru 9/2/2011

- An employee pulled a metal lid off of an underground pull box exposing the ends of cables energized with 3 phase 480v just inches from top of lid.
- At the DAOF, a transformer in an overhead lighting fixture exploded and an 8” x 5” piece of metal casing fell to the hangar floor. There was no damage to planes or equipment.
- An employee was driving a tug with an unsecured pressure vessel in the passenger seat.

OTHER:

• **Aviation Safety Cultural Survey** – An initial email was sent to individuals who will be asked to take the survey. For the most part this is Code O, its supporting contractors, and Code SQ. If you did not receive the initial email (from Larry Lapeer) or do not receive the email on September 12 giving you the instructions for the survey, please contact Bart Henwood at extension 5746. (**Note:** This survey is separate from the NASA Safety Cultural Survey that will occur in October).

• **Aviation Quarterly Safety Meeting** scheduled for September 12 in the ISF, 2:00 p.m. to 3:30 p.m. This is a combined aircrew and maintenance session.

• **Quality and Safety Achievement Recognition (QASAR) Awards: Request for Nominations Due September 16, 2011**

Nominations for the QASAR Award which promotes quality, safety, leadership, productivity, performance, teamwork, and improvement throughout NASA are requested. Information

regarding the QASAR categories, requirements, and timeline is available on the Xnet. Additional questions may be directed to Miriam Rodon at extension 3647.

● Safety Day – October 26- “Are You Prepared?”

In the event of major disaster, it might be several days before services are restored. To help Dryden think about preparedness, Safety Day, which takes place next month, is going to focus on preparedness. How can we prepare ourselves and family for an emergency? There will be a guest speaker, James Chiles, Author of *Inviting Disasters: Lessons from the Edge of Technology* and an expo with a variety of booths that will provide beneficial information on preparedness and safety related topics. There will also be four training classes available in the afternoon. Please continue to watch the DM3 for forthcoming information and a write up in the Xpress next week. Any questions about Safety Day may be directed at Miriam Rodon at extension or Denise Cope at extension 2837.

● Kudos

Congratulations to Safety Star recipient:

- Barbara Smith, Code RF, for utilizing her conference attendance roster for accountability of visiting personnel during an evacuation at the DAOF.
- Jeff Raymond, Code R, for contacting the safety office to report unsanitary work area.
- Gus Azua, Code R, for contacting the safety office to report unsanitary work area.

F/ Office of Facilities Eng. & Asset Mgmt. — Dan Crowley

LAST WEEK:

Major Issues that Were Corrected Last Week:

- Near B4809 (SUB 11) – Found exposed 480V electrical conductors at an electrical pull box, located at the southeast corner of B4809, while preparing for the SUB 11 Project. Conducted an emergency electrical outage to insulate and safe-off the conductors
- B4800 – Chiller #2 Repair – Replaced known leaking components, chiller vacuum, and leak test in progress. Completion this week if no other leaks are found
- B703 – Preliminary evaluation of the concrete floor cracks on the North and South 4th Floors is believed to be stress cracking that poses no safety risk
- B4840 Hangar Bays 4 through 6 and B4820 – Hangar door repairs and certification has been completed

THIS WEEK:

Outages and Closures:

- B4802 – Electrical Lighting Outage is scheduled for Wednesday, September 7, 2011 through Thursday, September 8, 2011 to replace existing metal halide lamps with explosion protected lamps. POC Dan Eason x2078
- Parking Lot#3 (Shuttle area parking lot) – Electrical Outage, affecting parking lot lighting, is scheduled for Monday, September 12, 2011 to conduct Electrical Phase 6 installations of new power poles and outdoor area lighting. POC Dan Eason x2078
- B4802 – Fire Alarm Testing is scheduled for today, September 6, 2011 from 4:00pm – 7:00pm. POC Brandon Bychek x5974
- B4844, 4845, 4863, 4841, and 4842 – Fire Alarm Testing is scheduled for Wednesday, September 7, 2011 from 4:00pm – 7:00pm. POC Brandon Bychek x5974

- B4838, 4822, 4823, 4850, and 4851 – Fire Alarm Testing is scheduled for Thursday, September 8, 2011 from 4:00pm – 7:00pm. POC Brandon Bychek x5974
- B4982 – Partial Electrical Outage is scheduled for Thursday, September 8, 2011 from 8:00 am – 11:00 am. POC Nick Letourneau x3906

Elevated Work:

- B4802 – Lighting replacement. POC Dan Eason x2078

Trouble Calls:

- B4840 Exterior elevator – Temporary repairs were made to return the elevator to service, replacement auxiliary contact block is on order. POC Dan Eason x2078
- B4825 – Cafeteria automatic entry doors are out of service. An order has been placed with a door service company to replace the power supply and/or controller. Repairs are scheduled for this week. POC Dan Eason x2078

Property Inventory:

- FY11 Physical Inventory Update:
 - As of September 2, 2011, there are a total of 53 of 7,800 items unaccounted for, at a cost of \$533,421. POC Jean Manning x2590

Energy Management:

- Join the Dryden Green Team Today!
 Dryden is seeking accomplished and creative individuals to form an all new “Green Team”. The team is being formed to conceive and build an innovative conservation program scheduled to debut in January 2012. The program will focus on recycling, energy, and water conservation. Learn about national sustainability goals and environmental issues. Join now; interact with senior managers and be part of a team to dramatically transform Dryden’s future. Contact Jennifer Gocke at x2909, or John Torres at x3739 for more information

OFFSITE ACTIVITIES:

- Tentative visit to JPL to discuss storage requirements (i.e., B702)

PA/Aero Projects — Joe Piotrowski

Aeronautics Test Program (ATP)

Flight Operations and Test Infrastructure (FOTI)

- General: Asset managers continue to work support cost estimates with customers.

Fundamental Aeronautics Program (FAP)

Subsonics Fixed Wing (SFW)

- Lightweight Airframe and Propulsion Systems (LAPS): The DFRC task plans and the WBS structure were updated and sent to Karen Taminger, the LAPS Tech Lead. The updated WBS structure was sent to the SFW Deputy PM, the DPMfs, and the resource analysts. The first quarter labor phasing plan was submitted to the DFRC resource analyst.
- Multi-Utility Technology Testbed (MUTT): A range safety meeting with NASA and Lockheed is tentatively scheduled for Sept 6 at the Aero Institute in Palmdale. Lockheed management to present MUTT to DFRC management on Sept 7 at the Lockheed, Palmdale facility.
- Clean Energy and Emissions (CEE): Working on the CEE task plans for FY12.

Hypersonics (HYP)

- General: Version 0 of the FY12 discipline plans has been delivered to DFRC for review. The plan includes everything needed for DFRC work.
- Structurally Integrated Thermal Protection Systems (SITPS): The internal review of the shear tests is scheduled for Sept 13.
- Hypersonic Technology Vehicle-2 (HTV-2): Hoping to return to the TMB this week to present the results of scenarios for future HTV-2 work in FY12.
- X-51: Additional Best Estimated Atmosphere (BEA) and Best Estimated Trajectory (BET) calculations requested by the Air Force have been completed.

Supersonics (SUP)

- General: The Version 0 FY12 (technical) discipline plans were populated by the SUP TLs and are being reviewed. The Dryden FY12 SUP implementation plan is still being developed by the DPMF.
- Channel Center-body Inlet Experiment (CCIE): Next research flight should be this week. See comments in the F-15B TN 836 notes.
- Waveform & Sonicboom Perception & Response (WSPR): The team has determined that Oct 9 will be the last day to recruit volunteers. A pre-test of the data collection procedures using Dryden volunteers was conducted on Aug 31. The pre-test served to verify that the data collection technologies execute correctly and to identify potential trouble-spots in question wording or response categories.
- Airborne Schlieren Imaging System (ASIS): Wiring inspection on the carrier aircraft, F/A-18 846, will begin this week. (Formerly referred to as Air-to-Air Schlieren)

Aviation Safety Program (AvSP)

Vehicle Systems and Safety Technologies (VSST)

- General: Task Plans are in coordination.
- Vehicle Integrated Propulsion Research (VIPR): Congratulations to the team on their successful completion of the CDR on August 30! Six RFAs were generated.
- Full-Scale Advanced Systems Test-bed (FAST): The team is currently working to close-out some Boeing contract work and perform de-scoped FAST held requirements verification. Since there are not any resources identified within VSST to work FAST in FY12, the project personnel are also executing orderly shut-down activities to be completed by the end of September. Some project personnel are supporting potential future customer discussions and activities.

Integrated Systems Research Program (ISRP)

Environmentally Responsible Aviation (ERA)

- Discrete Roughness Element Laminar Flow Glove Experiment (DRE LFGE) & Adaptive Compliant Trailing Edge Flap (ACTE): Significant progress was made in the effort to review and replan the DRE and ACTE projects. Center leadership reviewed the new increased technical and programmatic risk approach on Sept 1. The project teams are on track to complete the review and replan by Sept 8.
- X-48B: Bench testing on the second engine has resumed last week. The cause of the last engine failure was determined to be FOD in the engine, most likely a loose washer that made its way into the intake. Currently, there is only one good engine left for tests. The team removed the engine from X-48B+ (X-48 with the center turbo-fan engine) for ground tests. We expect the flight test to be conducted in late September.

Unmanned Aircraft Systems (UAS) Integration in the National Airspace System (NAS)

- Integrated Test and Evaluation (IT&E): IT&E hosted a center visit by the Human Systems Integration (HSI) Teams from Ames and Langley last week. The team assessed the UAS capabilities at Dryden, conducted UAS pilot interviews on current flight operations and GCS interfaces, began to develop pilot requirements for improved HSI and NAS integration, and discussed requirements for the LVC simulation and flight test environment.

Non-Aeronautics Test Program (N-ATP) Research Aircraft & Infrastructure

- F-15B TN 836: The mechanics determined that the #1 engine unified fuel control (UFC) was bad. The plan is to replace the #1 engine with an engine from F-15D TN 885.
- F-18 TN 853: TCAS installation continues. The plan is for the aircraft is to be used for limited proficiency and chase operations in the first quarter of FY12. This will keep it airworthy for planned test activities starting in CY12.

AMD Upcoming Events:

- Sept 7: VIPR Phases 2 & 3 kick-off meeting at AFRL
- Sept 8: Completion of the ACTE and DRE project internal reviews and delivery of the replan results to the Air Frame Technologies Subproject.
- Sept 13: IT&E will participate in project meetings with the FAA's Air Traffic Organization and the Aviation Safety Office-Unmanned Aircraft Program Office (UAPO) in Washington, DC.
- Sept 14-15: IT&E will participate in project meetings with the FAA Technical Center in Atlantic City, NJ.

PE/Exploration Projects — John Carter

Sierra Nevada Corp Space Act Agreement is in final signature cycle at DFRC.

OCT Flight Opportunities Program

Four payloads were flown this week in a parabolic flight campaign with the Reduced Gravity Office at Ellington Field:

- Printing the Space Future from Made In Space Inc., Moffett Field, Calif.; Jason Dunn, principal investigator (PI);
- Radio Frequency Mass Gauge experiment from Glenn; Gregory Zimmerli, PI;
- Indexing Media Filtration experiment from Glenn, Aerfil LLC, Filtration Group Inc, Joliet, Ill., and ASRC Aerospace; Gary Ruff, PM; and
- Cryocooler Vibrational Characterization from Ad Astra Rocket Co. Webster, Texas; Benjamin Longmier, PI.

Gabe Baca (DFRC), Jonathan Pickrel (DFRC), Alexander van Dijk (ARC), and Patrick Connell (HQ) supported the campaign.

Contracts to seven firms to provide commercial payload integration and flight services have been issued this week:

- Armadillo Aerospace, Heath, Texas
- Near Space Corp., Tillamook, Ore.
- Masten Space Systems, Mojave, Calif.
- Up Aerospace Inc., Highlands Ranch, Colo.
- Virgin Galactic, Mojave, Calif.
- Whittinghill Aerospace LLC, Camarillo, Calif.

-- XCOR, Mojave, Calif.

A Request for Offer (RFO) was released on Tuesday to solicit standard flights and payload integration services for upcoming technology demonstration missions.

LK Kubendran, Steve Jacobson, and John Kelly visited JSC to kickoff the Commercial Vertical Testbed (CVTB) task with JSC and Draper Labs, Houston. The Program is developing the CVTB to provide a platform for landing system technology demonstration.

Multi Purpose Crew Vehicle (MPCV) program

Last Week:

The Letter Of Intent (LOI) for use of the Space Florida Launch Complex – 46 (LC-46) launch facility located at the Cape Canaveral Air Force Station (CCAFS) to launch the Ascent Abort - 2 (AA-2) abort flight test was submitted to Space Florida on Aug 29.

The AA-2 Facilities Requirements Document (FRD) for the facility modifications to the LC-46 launch facility at the CCAFS was delivered in Draft form to Space Florida on Aug 29. The FRD was baselined at an Orion Configuration Management Team (CMT) meeting on Sept 1.

This Week:

- The Air Force is continuing work on the Statement Of Work (SOW) for the Abort Test Booster (ATB) for the transition from the Air Force Sounding Rockets Program – 2 (SRP-2) contract to the SRP-3 contract. The SOW is being written based on the ATB FY12/FY13 Tasks Letter which was previously submitted, which is for the minimal \$2M per year ATB effort. A further contract mod will be started when the decision is made whether to start a large ramp-up in the ATB effort for a Mar 2014 Ascent Abort - 2 (AA-2) launch.
- Work continues on the Disposition Plan for Pad Abort – 1 (PA-1) and Other Orion Equipment at Dryden and at the White Sands Missile Range (WSMR) Launch Complex – 32 East (LC-32E) Launch Facility. The Disposition Plan will be presented for approval to be baselined at an Orion Abort Flight Test Configuration Management Team (CMT) meeting on Sept 8.
- Continuing work on CxP72465 Rev B, the Orion Flight Test - 1 (OFT-1) Flight Test Objectives and Measures of Performance. A Crew Exploration Vehicle Project Control Board (CPCB) on CxP72465 Rev. B will be held on Sept 8.

UPCOMING EVENTS

Aug 15	AA-2 Facilities Requirements Document (FRD) Submitted to Space Florida for the CCAFS LC-46 Launch Facility
Aug 15-17	Radiation Testing of OFT-1 DFI Power Supply Module at the Indiana University Cyclotron Facility
Aug 29	Parabolic flight campaign at Ellington Field, Houston, TX.
	AA-2 Facilities Requirements Document (FRD) Submitted to Space Florida for the CCAFS LC-46 Launch Facility
Sept 2	AA-2 FRD Baselined at Orion CMT Meeting
Sept 7	John Kelly to GSFC for Earth Sciences Commercial Suborbital Vehicles Workshop.

Sept 13-14 Site Visit to the LC-46 Launch Facility
Nov 17 OFT-1 PTR-3

PS/Science Projects — Bob Curry

DC-8

- The DC-8 is currently in maintenance in preparations for the Operation IceBridge deployment to Chile on October 9. Instrument upload is set to start September 19 and the Tech Brief on September 20.

ER-2

- ER-2 team continue to organize and work on A/C 809 Time Compliant Technical Orders (TCTO's) to assure all have been accounted and planned for the extended maintenance plan for A/C 809.
- Two AirMSPI flights were conducted this week on A/C ER-2 806 thus completing flight request 112022.
- Northrop Grumman Corporation, NGC, Multi-Role Tactical Common Data Link (MR-TCDL) stop work notice has been lifted. An addendum to the approved Space Act Agreement with NGC has been drafted for the ER-2. It is expected the new flight time frame for the ER-2 to be from early-January through the end of February of 2011. No deployment is required. Flights will be conducted out of the DAOF.

GLOBAL HAWK

- A six hour range flight was conducted on Sept 1 with TN872 and three Hurricane and Severe Storm Sentinel (HS3) instruments installed. All objectives were met during this flight, including the clearance of dropsonde deployments with the standard Zone 25 radome.
- The next HS3 flight will be a 24-hour mission over the Pacific Ocean and is scheduled for Sept 8-9. A second long duration HS3 flight is scheduled for Sept 13-14.
- The Global Hawk Mobile Operations Facility (GHMOF) is located behind Building 4840 and is currently going through integration and checkout. A Tech Brief was successfully conducted on Sept 1 for this new Global Hawk ground control station.
- The Flight Readiness Review for KQ-X was conducted on August 29-31 at DFRC. At the close of the FRR, 67 RFA's had been submitted. These RFA's are being reviewed by the FRR Board before the official set of RFA's is released.
- Airborne Tropical Tropopause Experiment (ATTREX) scientists began arriving at DFRC this past week for initial instrument integration and bench check-out procedures. ATTREX instrument upload will begin at the conclusion of HS3.

G-III (C-20A) UAVSAR

This Week:

1. Successfully completed 2 sorties on Aug 29 to image the Sacramento Delta at high and low tides.
2. Awarded contract to install stage III noise compliant hush kit to the engines

Next Week:

1. Hush Kit Installation Sept 6 - 14

SMD Upcoming Events:

August 29 – G-III C-20 Sacramento Delta Tidal Study local mission
August 29 – Global Hawk – ATTREX scientists begin to arrive

August 29-31 – Global Hawk – FRR for initial DQ-X flight series
September 1 – Global Hawk – HS3 range flight scheduled
September 2 – DC-8 ASCENDS2 instrument development flights through
September 6-14 – G-III – Hush Kit Installation
September 8-9 – Global Hawk HS3 Pacific Ocean 24 hour flight
September 8-16 – DC-8 3 SweepSAR instrument development flights
September 13-14 – Global Hawk HS3 second long duration flight
September 19 – DC-9 OIB Instrument upload
September 20 – DC-8 OIB Tech Brief
October 9 – DC-8 – OIB departure to Chili
Nov 2 – G-III - Soil Moisture local mission coordinated with an ER-2

OS/Shuttle Operations – George Grimshaw

- Shuttle assets including facilities are still being used by the Shuttle Program in support of transition and retirement activities. They will be turned over to the Center for disposition during the next couple of years. Disposition activities are being managed by Code F, who will notify the Center as Shuttle assets become available for use by other organizations.

LAST WEEK:

- Shuttle transition and retirement.
- The Air Force Shuttle Crew Module Trainer moved to the Shuttle Area for display.
- Microwave Landing Systems removed from the Airfield.

THIS WEEK:

- Shuttle transition and retirement.

NEXT WEEK:

- Shuttle transition and retirement.

UPCOMING ACTIVITIES:

- Shuttle transition and retirement.

X/SOFIA — Eddie Zavala

Z/Program Planning Office — John Del Frate

TMB:

- September 8, 2011 Ikhana DB-110 – M. Rivas
- September 8, 2011 Global Strategic Solutions - J. Del Frate
- September 8, 2011 Zee. Aero – J. Del Frate

PMB:

- None

Off-Site this week:

- September 7, 2011 Lockheed ADP visit in Palmdale. D. McBride, D. Hines, P. Stoliker, B. Flick, D. Voracek, J. Del Frate, T. Ginn.

Upcoming:

- September 21-24 2011 Society of Experimental Test Pilots – T. Ginn, J. Budd
- September 26-29 2011 AIAA Space Conference, Long Beach – J. Del Frate

Code Z / Reimbursable Projects

Automatic Collision Avoidance Technology (ACAT)

This Week:

- An ACAS Technical Interchange Meeting and Test Planning Working Group will be held in Ft Worth, TX, September 7-8.

Upcoming:

- An ACAT brief the JDPO in Washington, DC, is planned for September 21.

Ikhana

Next Week:

- A site visit to Eielson AFB in Fairbanks is being planned for the week of September 12. Eielson is the planned staging site for MIZOPEX operations.

Upcoming:

- A Mini-Tech brief to provide management insight following the lost link incident will be scheduled at a time/date TBD in the future. No flights will be performed prior to this Mini-Tech brief.

Boeing Phantom Eye

This Week:

- The Phantom Eye Fueling & Engine Run Tech Brief is scheduled for Thursday, September 8

Next Week:

- The Phantom Eye Engine Run is planned to start on Pad A (between the MDD and the lakebed) on the afternoon of September 15.

Small UAS

This Week:

- No forecast activity.

B/Project Support Office — Rob Binkley

R/Research Engineering — Brad Flick

THIS WEEK:

- Matt Redifer is transitioning into the Acting Branch Chief job.
- Dave Berger and Mike Venti are at Wright Patterson AFB Wednesday this week for the VIPR (Vehicle Integrated Propulsion Research) 2 and 3 kick-off. AFRL (Air Force Research Laboratories) as well as the FAA are partners for the VIPR 2/3 efforts, and will be attending this meeting as well.
- Nalin Ratnayake is participating in the kickoff meeting for the NASA Barriers to Innovation study team, at NASA GRC this Tuesday 9/6/2011. Nalin is Dryden's representative to this team, which will be concluding its study around December.
- Jennifer Cole is out of the office on Friday 9/9/2011. Acting RA Branch Chief is TBD.
- Kendall Mauldin/Palmdale, CA/SOFIA MCCA CDR - 09/06-09/14/2011

- John Theisen/Rancho Bernardo, CA/KQ-X Oversight Activities for NASA – 09/04-09/10/2011

Center Chief Technologist’s Office (CCTO)

- Bobby Braun is leaving NASA at the end of September.

Innovative Partnerships Office (IPO)

- Cal Poly Pomona student and faculty will be onsite today to present the results of the DFRC Technology Screening project. Students were recruited from Cal Poly Pomona’s novel three-quarter entrepreneur program called Innovation and Commercialization Lab.

VISITORS:

- Kamal Shweyk, John Hodgkinson, and Ken Rossito from Boeing Huntington Beach will be here on Thursday September 8 to discuss Pilot Modeling for PIO detection and possible collaboration with NASA DFRC to support this effort under Aviation Safety. The meeting will be from 10-12 in Building 4840 Room 113A. Please feel free to attend if interested. POC Bruce Cogan X2627

M/Mission Information & Test Systems Directorate — Sean McMorrow

This Week:

WEDNESDAY NIGHT OUTAGE – (Wednesday nights after 5pm is the normal weekly outage for system maintenance) This week the following system will be updated:

UNIX Server Critical OS Patching:

- General Compute Servers (CS3, CS4)
 - FDAS-IN
 - Public FTP Server
- Continue work on build 5.05 of 747SP sim (SOFIA) and porting to Debian Linux

Missions Scheduled:

- Air Force Ground Test – X-47
- Global Hawk CST
- WATR SMO Survey – No A/C Type

VISITORS ONSITE:

- Don Sosoka (ACES Service Office) will be here Thursday for ACES Early Deployment Readiness Review.

OTHER ITEMS OF INTEREST:

- RIPS integration testing at RMCC, September 6, 2011.
- NASA Headquarters will host an Agency town hall meeting on Friday, Sept. 16, 2011 from 10:00 – 11:30 am in the ISF to provide an update on the NASA I3P (IT Infrastructure Integration Program). The live broadcast will seek to raise awareness about I3P, and will bring service executives and vendors together in one room to discuss the program. Experts will provide answers to questions in “real time.” The panel expects to answer questions including the transition schedule, what I3P means for the technical community, changes at each Center, and general I3P concerns from end users.
- Xnet will “go-live” today or tomorrow. Users will be redirected to the new home page on nasa.gov.

O/Flight Operations — David Wright

- David Wright announced his retirement scheduled for September 28, 2011.

X/Management Systems Office — Keith Williams

LAST WEEK

- Worked on the replacement application (ODIE) for the Dryden Document Library
- Continued the Aircraft Purchasing Office (APO) internal audit.
- Followed up on NQA finding's corrective action plans.
- Worked on metrics for Code S and X processes.
- SOFIA Quarter2 Audit – part 2 to be concluded.

THIS WEEK

- Working on the replacement application (ODIE) for the Dryden Document Library
- Metrics team working with document POCs and process owners to develop process metrics (MSO metrics)
- Continue APO internal audit. Audit is taking more time due to busy schedules and workload. New target date for completing audit and draft report is September 30th.
- NQA auditor coming the week of October 17th. Continue working the NQA audit findings. It is very important that they be closed. We have 4 not fully implemented; 1 XM (95% complete), 2 XP (90% complete), 1 Code O (75% complete. Will become 90% if MSO receives data for analysis). Also need customer information data from Code Z in order to prove implementation of corrective action.

AGENCY DIRECTIVES STATUS

The directives that are included in the August review period which begins Tuesday, Aug 30:

- NPD 1387.2G, Use, Control, and Loan of Lunar Samples for Public and Educational Purposes
- NPD 1400.2E, Publishing NASA Documents in the Federal Register and Responding to Regulatory Actions
- NPD 4300.4E, Reuse of NASA Program Materials for Official Awards and for Information Dissemination

Comments will be due to Cheryl Agin by September 22, 2011

E/Equal Opportunity — Keri Eliason

Diversity & Equal Opportunity website:

<http://xnet.dfrc.nasa.gov/Organizations/EO/index.html>

H/Human Resource Management, and Dev Office — Patsy Smith

Vacancies: <http://xnet.dfrc.nasa.gov/Organizations/HumanResources/vacancies.html>

Use or Lose Annual Leave: With the end of the leave year quickly approaching supervisors are reminded to monitor leave balances of employees. There is still plenty of time for employees to schedule and use their use or lose annual leave. Even though the scheduling and using of “use or lose” annual leave is the responsibility of your employees, it is also an administrative responsibility of you as a supervisor. Annual leave can only be restored when there is an exigency of service. An exigency of service is a work situation that is of such

major importance that annual leave may not be used. An employee's need to use previously restored annual leave to avoid forfeiture or an employee's failure to schedule his/her use or lose throughout the year are not considered exigencies of service. The Code of Federal Regulations (5 CFR 630.308) requires "use or lose" annual leave be requested in writing and approved before the start of the third biweekly pay period prior to the end of the leave year (no later than Saturday, Nov. 22, 2011). Informal notification or verbal requests are not sufficient for scheduling leave.

An exigency must exist throughout the leave year preventing employees from using scheduled use or lose annual leave. Annual leave must be approved and then disapproved due to an exigency of service in order for a request for restoration to be considered. It is important employees project and use their leave throughout the leave year. Supervisors should make sure employees understand that if they wait until the end of the leave year to schedule their leave, supervisors may not be able to certify that an exigency existed precluding their ability to schedule and use their use or lose annual leave. Restoration of annual leave can only be approved by the Center Director and will be approved rarely. It is the responsibility of the supervisor to ensure employees have ample time to schedule and take their use or lose annual leave.

USAJOBS: OPM will implement its new USAJOBS 3.0. website effective October 14th, 2011. This will result in USAJOBS shutting down during the period of October 6-13, 2011. There will be no access to the USAJOBS website during this time. NASA STARS will be down during this time as well. This will prohibit all activities within the system to include issuing and receiving referral certificates, processing applications, and using any other STARS search and reporting tools. As a result of the downtime, there will be no NASA vacancy announcements open during this time except for our agency-wide announcements to 10-point Veterans and Individuals with Disabilities. The new USAJOBS will have stronger security requirements than the current USAJOBS, and will require anyone with a USAJOBS account to establish a new password following the transition. The easiest way to establish that password in October will be by responding to the established security questions in your USAJOBS account. Account holders are encouraged to set up security questions now.

How to Establish USAJOBS Security Questions

1. Go to the USAJOBS homepage: www.usajobs.gov and sign in using your current Username and Password.
2. Once in My Account, click Edit Profile.
3. Click or scroll down to Account Information.
4. Select questions and answers unique to you.
5. Click SUBMIT at the bottom of the screen.

Designation of Beneficiary Forms: - This is a reminder to review your Designation of Beneficiary forms and update them as needed. If you are satisfied with the order of precedence the law provides and you do not have a certified designation on file, you do not need to make a designation. Many of the forms are filed in your electronic Official Personnel Folder (eOPF). If, after reviewing your eOPF, you need to change or add a Designation of Beneficiary form, you may complete a new one by going to www.opm.gov/forms/html/sf.asp, then clicking the **SF 1152**, **SF 2823**, or **SF 3102** link. Complete the form and mail the original to:

**NASA Shared Services Center
Building 1111, C Road**

Stennis Space Center, MS 39529

ATTN: Human Resources Benefits Team

TRAINING:

Uniformed Services Employment and Reemployment Rights Act (USERRA) – This course is now in training plans and must be completed by September 30, 2011. All civil service employees are required to complete this course.

Pre-Retirement Seminar: We are attempting to schedule a pre-retirement seminar for those eligible to retire within the next five years. Dates are October 18, 19 and 20. There will be one session for CSRS and two sessions for FERS employees. All sessions will be in the Large Mezz. Seminar is not in SATERN at this time but will be soon.

AERO Institute: APPEL-REQ-#33 – November 1-3, 2011 - This three-day course provides a firm foundation for the development and management of a project's product requirements. This course presents the participant with best practices that, when incorporated into the requirement development and management process, will help a project team develop a winning product—one that delivers what is needed, when it is needed, within the projected costs and with the expected quality. Register in SATERN.

J/Security Office — John Zellmer

- **Motor Vehicle Safety Belts** - Personnel are reminded that motor vehicle (does not include motorcycles) operators and passengers (16 years of age or over) *must be properly restrained by a safety belt* both on and off-Center property pursuant California Vehicle Code 27315 (enforced on Federal property pursuant the Assimilative Crimes Act). To assess the Center's overall compliance with this mandate, Safety and Protective Services personnel will be conducting safety belt 'audits' at various vehicle gates and stops across the Center in the coming weeks. <http://dmv.ca.gov/pubs/vctop/d12/vc27315.htm>

9/11 Anniversary Advisory and Threat Awareness:

- In the these last days preceding the 10th anniversary of the September 11th attack; local, state, and Federal agencies and facilities will be quietly implementing security measures to enhance our security posture. This measures are precautionary and not in response to any credible threat. The Following information is a summary from a Counterterrorism threat bulletin issued by HQ Office of Protective Services, CI/CT Division. Although currently there are no known terrorist threats against any NASA people, facilities or resources; NASA is a US Government agency that is a symbol of national pride and achievement. It cannot be stated that NASA is immune from being targeted. Please be mindful of the following:

SUMMARY:

- September 11, 2011, marks the tenth anniversary of the September 11, 2001 terrorist attacks against targets in the United States resulting in the murder of approximately 3000 people.
- Terrorist organizations are known to sometimes use anniversary dates of prior successful attacks to launch new attacks.
- Although the ability of al Qaida and related terrorist groups to strike has been lessened through US and allied military and counterterrorism efforts, these groups still pose credible threats to US persons, property and interests here at home and around the globe.

- The primary targets of terrorists in the US are US Military and US Government facilities and personnel. A growing concern is the targeting of crowds/public gatherings with the likely intention of maximizing casualties and drawing greater attention to the attack.
- In the US, there has been an emergence of “Homegrown Violent Extremists” (HVEs). These “lone wolves” constitute a complex threat because they often operate “under the radar” or anonymously. They are typically US Citizens or Permanent Resident Aliens who have become radicalized.
- Since 2001, there have been approximately 50 terrorist plots/actions undertaken by HVEs in the US. Fortunately, most were unsuccessful. Examples of notable HVE attacks are:
 - o The June 1, 2009 murder of one and wounding of a second US Army soldier at a recruiting center in Little Rock Arkansas by Abdulhakim Mujahid Muhammad.
 - o The November 5, 2009 murder of 13 and wounding of 29 military personnel at Fort Hood, Texas, by alleged shooter US Army Major Nidal Hasan.
 - o The May 1, 2010 attempted car bombing of Times Square in New York City by alleged perpetrator Faisal Shazad.
- It is incumbent on all NASA personnel to report suspicious activities to the DFRC Protective Services and/or Center Counterintelligence Office.

Additional Counterterrorism information can be obtained from the DFRC CI Website on the Xnet <http://xnet/Organizations/CounterIntelligence/index.html>

K/Education Office — Russ Cloughton

- September 6, 2011 - Alexis Harry AESP (Aerospace Education Services Project) will travel to Vanguard Preparatory School in Apple Valley, CA to meet with Sean Gillette and school administrators to discuss opportunities for professional development workshops for staff and NASA Education resources.
- September 7 - 8, 2011 – Peter Falcon of GLOBE at JPL will train the Pre-College and Informal Education team members on use of the GLOBE and how to conduct teacher training for our service area of Southern California and Arizona.
- September 9, 2011 – Russ Cloughton, NASA Dryden Director of Education, will travel to the Lewis Center for Educational Research in Apple Valley, CA with Matthew Winheim, PSD Instructional Content Coordinator from the Palmdale School District, to discuss collaboration between the Lewis Center, Goldstone Apple Valley Radio Telescope (GAVRT) and NASA/JPL.

L/Chief Counsel — David Samuels

T/Public Affairs and Commercialization — Kevin Rohrer, Acting

Last Week

* 8/26 Fox News was provided links to Global Hawk video for a hurricane feature scheduled to air 8/27.

* 8/29 -30, Escorted 4 visitors from the Indianapolis Children's Museum. They filmed the fluid tunnel and compiled some career interviews for PBS.

* 8/29 Allison Gatlin interviewed John Kelly regarding the Flight Opportunities Program resulting in a front-page article in the A.V. Press.

* 9/2 Speakers Bureau-John Carter spoke to St Mary's School in Palmdale to approximately 300 students.

* **Media products produced, issued or posted**

- Feature story, Dryden & space shuttle series, Shuttle tire / runway tests on CV-990, posted, 8/26.

- DC-8 Methane Sounder mission, posted 8/31.

- **Posted to Facebook and Twitter**

- Learn more about Dryden Flight Research Center by reading the X-Press publications and featured stories.

- Methane Sounder Instrument Completes Test Flights on NASA DC-8

- Flight Tests on CV-990 Solved Shuttle Tire Failure

- **Facebook stats**

- 1,594 monthly active users

- 2,329 people like this

- 107 wall posts or comments this week

- 220 visits this week

This Week

* 9/10 - Steve Lighthill will be staffing a "Green Aviation" exhibit at the "Celebrate America" event on Lancaster Blvd. (POC- Steve Lighthill X3940)

* **Pending media products**

- Video segment for *This Week@NASA*, STS-135 astronauts visit

- Photo feature, AREES teachers tour of DAOF

- Possible video segment for *This Week@NASA*, AREES teachers tour of DAOF.

- Feature story, Dryden & space shuttle series, F-15B LIFT project.

- Status report, Global Hawk #872 checkout flights for HS3 mission

- Feature story, Channeled Center-body Inlet Experiment

Tours

* 9/6 Julie Holland's Tour

* 9/7 San Dimas Senior Center

* 9/9 Air Force Public Tour

Items of Interest

* Shuttle Operations Tribute Event for invited guests only on 9/14. A large number of current and former shuttle operations guests will visit Area A (shuttle area) for this event. Employees who usually park in lot 3 are asked to please park in an area adjacent to building 4846, the Arcata building, on the 14th. Signs will be posted to direct employees to the parking area.

* ELT BBQ - On Sept. 15, all employees are invited to the shuttle area for an Employee Appreciation luncheon hosted by the Executive Leadership Team in hangar 4833 at 11 a.m. Complimentary tickets must be picked up at the Dryden gift shop for this catered luncheon. Shuttle convoy vehicles will be on display beginning at 9 a.m. A brief program recognizing Dryden's role in the shuttle program will follow the free luncheon.

External Affairs – Cam Martin

Major Events:

AFFTC/95th ABW:

Next Exercise:

TBD. Awaiting the FY '12 Exercise Schedule.

Nothing planned for the month of September.

Government Relations: Legislative and Intergovernmental Affairs

Congress:

US Senate: Convenes today and begins a period of morning business.

US House: Meets today in pro forma session. No votes expected.

Upcoming Congressional Hearings:

9/8, House Science, Space and Technology Committee (Chairman Hall, R-TX) “Impacts of the LightSquared Network on Federal Science Activities.” Agencies under the Subcommittee’s jurisdiction will be able to voice their concerns regarding LightSquared Network and spectrum allocation.

NASA witness: SOMD Deputy Associate Administrator for Space Communication and Navigation Younes.

9/22, House Committee on Science, Space and Technology (Chairman Hall, R-TX):

(Hearing charter TBA)

Witnesses: Michael Griffin, former NASA Administrator; Neil Armstrong, former astronaut; and, Gene Cernan, former astronaut.

Other Items of Interest:

Upcoming presentation:

Tuesday September 20th, 10 a.m. Dryden ISF Auditorium:

Dr. Herm Rediess *Flight Dynamics and Control - A Personal History from the Douglas Skyrocket to the Space Shuttle*

Dr. Rediess started his career as a coop-student then research engineer at the NASA Dryden Flight Research Center, where he progressed to Director of Research before transferring to Headquarters in 1978.

X/Chief Medical Officer — Gregg Bendrick

X/Employee Assistance Program — Kathy Christian

This week:

Dryden: Staffing daily.

DAOF: Staffing at the DAOF **Thursday 9-6 in room N211.** For an appointment or consultation please call Monique Pierre-Louis at x2034.

Organizational News:

****MANDATORY TRAINING FOR CIVIL SERVANTS AND CONTRACTORS- Workplace Violence Prevention (these sessions are for non-supervisor employees- separate sessions for supervisors TBA) Wednesdays(Pick ONE): 9/21, 9/28 & 9/29 10am-11am at Dryden in the ISF. For broadcast to the DAOF and AERO: TBA****

Your body wasn't designed to sit all day!!! So if your job requires hours in front of a computer or time spent at a desk, do yourself a favor and take a break to stretch. You'll prevent aches and pains and protect your muscles and joints for a long time to come. Your brain will work better too! Come join us at the front of building 4800 at 8AM Tu-Fri for a 30 minute walk!! Come try out "Chair Pilates" offered Mondays, Wednesdays and Fridays 12:30-1PM in Building 4800, Conference Room 1410. For more information about these two activities call the EAP office at 2034 or 2000.

Tip of the week: How to break bad habits: Bad habits affect us all. But whether your particular fixation is merely annoying or wastes time there are tricks and techniques to nip it in the bud.

Running late: When someone asks you to do something, don't accept right away. Say you'll get back to him, then decide whether you have the time. Figure out which tasks always seem to make you late. Time yourself to see how long it takes, then allot enough time in your routine. **Tricks:** Set your watch five minutes fast and build in time for unexpected delays. And always call ahead if you're running late. Not only is it gracious but the shame of making repeated calls might also be the incentive you need to be punctual.

Slouching in your office chair: Take dance lessons, Pilates, or yoga to strengthen the abdominals and upper-back muscles. Come join Chair Pilates for 30 minutes on M, W, F (see details, above). A simple shoulder-shrug exercise -- think of touching your shoulders to your earlobes -- is an even easier way to combat slouching. Do 10 rotations forward and 10 rotations back, This will raise consciousness of posture and help remind you to stand and sit tall. Regular physical activity helps combat the mental and physical fatigue that can contribute to slouching.

Disorganization: Separate papers into a pile you need to do and a pile you can think about doing. Use folders or boxes in different colors. Set up a system that works for you, and start with basic steps, like putting your keys in the same place every day.

Gossiping: Focus your conversation on sharing your experiences, such as discovering a new restaurant or your latest vacation. Brush up on current events, music, or sports. This will give you something else to discuss besides other people. Plus, you never know who is listening in on your conversation. If you're complaining about your coworker, be aware that her best friend might be the woman directly behind you. Keep in mind that gossiping makes you seem untrustworthy. You may lose friends and respect when people realize you're a gossip.

Five steps for changing any bad habit • Know when your habit shows up. Identify habit-prone situations. Record how often and where it presents itself. • Know the consequences. List the advantages and disadvantages of keeping -- or changing -- your habit. • Know an alternative behavior. Develop a competing response that you can employ instead of falling back on your habit.

• Know your goals. Make a plan with short-and long-term goals, and reward yourself when you reach them. • Know you're human. Don't beat yourself up if you fall back into your old ways. This is a natural part of change.

Additional Comments

This Week @ Dryden