

**Dryden Monday Management Meeting (DM3)**  
**August 22, 2011**

**X/Director — David McBride**

- Thanks to the employees who supported the Center Directors' Forum at Dryden.
- Congratulations to the NASA Honor Award Recipients.

**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 15-19)**

- Multipurpose Lab occupancy continues to wait on fire alarm design approval and testing by L.A. County Fire Department
- Construction on Cryogenic Storage unit began Aug 8 and is expected to complete by Aug 22

**Facility Engineering Support**

- Stakeholder meeting to discuss geotechnical engineering report recommendations for Fuel Farm is scheduled for Aug 24
- Mirror Coating Facility ORR Checklist meeting was held Aug 18, Facilities Engineering to provide input to the ORR checklist
- Facility Engineering is developing a preliminary Facility Requirements Document (FRD) for Airborne Science Lab modifications
- Statement of Work (SOW) comments for B-703 Upgrade of 20 Ton Overhead Crane received by Aug 16 and acquisition activities were initiated

**Flight Operations**

- Attended SEB for new Aircraft Maintenance Contract
- Supported DARPA Planning Meeting
- Supported delivery of second fuel tank skid

**Quality Assurance**

- Performed receiving inspections on aircraft parts for all DAOF aircraft
- Participated in ongoing Phase Inspection on ER-2 #809
- Participated in recovery of ER-2 #806 from deployment
- Participated in engine runs and Laser testing on DC-8
- Witnessed cryogen servicing operations and line ops on SOFIA
- Performed pylon/pod inspection on C-20

**Information Technology**

- Installed network cable and verified fiber from building 703 TR1.1N to building 725 to support a security camera for the fuel farm
- Completed a walk through for installation of cable trays in hangar area

## **Other**

- Aug 15 – Center Directors Forum participants tour DAOF
- Aug 16 – Brian O’Conner visit to DAOF
- Aug 16 – GRC Twin Otter support at the DAOF
- Aug 24 – IP3 Town Hall at the DAOF

## **Exchange Council — Roberta Sherrard**

### **Special Gift Shop Sale:**

**48 hour gift shop sale, Monday, Aug. 22 – Tuesday, Aug 23 – Wings in Orbit Scientific and Engineering Legacies of the Space Shuttle. Hard copy \$56.00 and Paperback \$40.00**

### **Save the Date:**

**Thursday, September 15, DFRC Shuttle 30th Anniversary/Employee Appreciation BBQ**

**Thursday, December 8, Children’s Holiday Party**

**Friday, December 9, Dryden Holiday Party**

### **Mark your calendar:**

**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 August is “Portrait”** – Place a photograph on the display board in the entrance to the Dryden Gift Shop. Entry deadline: August 26, 2011

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

### **Other Items of Interest:**

**Dryden & DAOF Gift Shop Sale, Aug 22 – Aug 25, 20% off STS-135 Polo and T-Shirts**

**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 8/22/2011 thru 8/26/2011

There was one injury and one incident reported this week:

- An employee stepped off the running board of a truck and jammed his knee, requiring restricted duty.
- An employee was making a U-turn and scrapped the right front fender of a government vehicle.

### **THIS WEEK:**

● Safety Tip: Battery Safety

When disposing of batteries, make sure the contacts are taped to ensure they don't, touch, heat up, and catch fire. Also, local battery disposal containers should be periodically (weekly) emptied and contents taken to the Chem Crib for proper disposal.

**OTHER:**

- Training: Asbestos Awareness, August 23, 2011, from 12:00 – 2:00 p.m., Large Mezz
- 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 directed to Miriam Rodon at extension 3647.

- Aviation Quarterly Safety Meeting is scheduled for September 12 in the ISF, 2:00 p.m. to 3:30 p.m. This is a combined aircrew and maintenance session.
- Off-road Bicycle Riding: Forbidden on Edwards Air Force Base **unless** you have had the **required training**. Training can be completed through SATERN. Once you have successfully completed the training, email your certificate to [dara.l.english@nasa.gov](mailto:dara.l.english@nasa.gov). Your training card will soon thereafter be sent to you.
- Migratory Birds: If an active bird nest is present and cannot be avoided during work activities, please contact [Dara English](#) at ext. 3863 immediately. **Do not** remove or disturb the nest yourself.

● Kudos

Congratulations to Safety Star recipient:

- Ed Hearing, Code RA, for wiping up a large water spill on the second floor of Building 4800.

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

**LAST WEEK:**

- **Major Issues that Were Corrected Last Week:**
  - B4800 Chiller #2, PR for chiller repairs was released; NTP pending
  - B703 North Side Restroom Drains were repaired and returned to normal service
  - B4801 Electrical Power Connections were installed to accommodate the relocation of a Forming Machine from B4820
- **After Hour Responses and Weekend Callouts:**
  - B4982, 4720, and 4981 – Air Force Commercial Power Outage on Saturday, August 20, 2011, O&M Contractor responded and kept the emergency generators fueled and operating until the Air Force restored commercial power on Sunday, August 21, 2011

**THIS WEEK:**

- **Outages and Closures:**
  - B4800 Electrical Outage affecting critical cooling to the third floor – Scheduled for Saturday, August 27, 2011, from 7:00am – 1:00pm. The DFRC high voltage

distribution system affecting the B4848 Uninterruptable Power Supply (UPS) will be reconfigured to allow the replacement of Substation 11, which is part of the CoF Phase 6 Electrical Distribution System Repair. The UPS itself will not be shut down; therefore, no impact to the WATR will be seen. The WATR will have the DFRC main power plant as a back up in an emergency until Substation 11 is replaced and the substation is reconfigured back. Outage #1090. POC Andrew Boykin x2340

- B4866, 4847, T79, and T80 – Electrical Maintenance afterhours is scheduled for Wednesday, August 24, 2011 and Thursday, August 25, 2011. POC Dan Eason x2078
- B703 – Natural Gas Outage is scheduled for Thursday, 8/25/2011, to reinstall the gas meter. POC Dan Eason x2078
- **Elevated Work:**
  - B703 South, fourth floor, near column 8 – workers will be utilizing a personnel lift to patch holes in the fire rated wall
- **Trouble Calls:**
  - B4840 exterior elevator is out of service, pending repairs, anticipated Tuesday, August 23, 2011. POC Dan Eason x2078
- **Service Calls:**
  - B4844, IG Area – energize electrical circuits to new modular furniture and partitions, scheduled for the afternoon of Monday, August 22, 2011 or the morning of Tuesday, August 23, 2011. POC Dan Eason x2078
- **Property Inventory:**
  - FY11 Physical Inventory Update:
    - As of August 22, 2011, there are a total of 86 of 7,800 items unaccounted for, at a cost of \$663,554. POC Jean Manning x2590
- **Energy Management:**
  - Dryden Refrigerator Exchange Program:
    - All non-EnergyStar refrigerators at Dryden must be replaced with EnergyStar rated refrigerators. If you have a non-EnergyStar refrigerator in your work area, contact John Torres at [john.l.torres@nasa.gov](mailto:john.l.torres@nasa.gov) for replacement. Send location of existing refrigerator(s) (building and room number), Point of Contact information and number of refrigerators needed. This offer will end August 31, 2011. POC John Torres x3739

#### OFFSITE ACTIVITIES:

- Troy Spiger will be at Ames Research Center on Tuesday and Wednesday, August 23 and 24, to participate on the Mirror Coater Relocation Project

#### PA/Aero Projects — Joe Piotrowski

##### Aeronautics Test Program (ATP)

##### Flight Operations and Test Infrastructure (FOTI)

- General: Working with ATP HQ to determine any impacts to FOTI operations from the FTE re-alignment proposals.

- Subsonic Research Aircraft Testbed (SCRAT): Shelf design tasks for stations 1 and 2 are in the final load analysis phase. Procurement of instrumentation hardware progressing - several key items are taking longer than expected.

## **Fundamental Aeronautics Program (FAP)**

### **Subsonics Fixed Wing (SFW)**

- Lightweight Airframe and Propulsion Systems (LAPS): Reviewing Version 0 of the SFW LAPS task plan to provide details and milestones.
- Multi-Utility Technology Testbed (MUTT): Continuing to work with Lockheed to finalize the MUTT range requirements and the NASA Range Safety Officer (RSO) location requirements. Also continuing to work with SUP and plan partnership opportunities.
- Clean Energy and Emissions (CEE): Reviewing Version 0 of the SFW CEE FY12 plan to provide task details and milestones for the upcoming DC-8 emission tests in FY13.

### **Supersonics (SUP)**

- General: The FY12 (technical) discipline plans are now beginning to be populated by the SUP TLs. The Dryden FY12 SUP implementation plan is also being developed by the DPMF. The activities for end of year closeout are continuing.
- Channel Center-body Inlet Experiment (CCIE): Next CCIE flight is scheduled for this week.
- Superboom Caustic Analysis & Measurement Project (SCAMP): Preparing the final flight reports for signature. They are expected to be complete this week.
- Waveform & Sonicboom Perception & Response (WSPR): Coordinating a refined cost estimate for the flight test campaign which includes usage of the support F/A-18s for approximately 25 sorties. The Flight Test Plan has been reviewed by the Dryden Team and comments will be forwarded to Wyle this week. Continuing to investigate other incentives and outreach activities to attract additional volunteers.
- X-54A Low Boom Experimental Vehicle (LBEV): The ejection seat conceptual design and qualification plan studies are ongoing.
- Airborne Schlieren Imaging System (ASIS): A revised ORD is under development for the air-to-air Schlieren technique. Planning underway to fix the Schlieren pod & TN 846 system and demonstrate the flight test technique in FY12.

## **Aviation Safety Program (AvSP)**

### **Vehicle Systems and Safety Technologies (VSST)**

- General: FY12 Task Plans are in work. VSST Quarterly Meeting (at GRC) has been rescheduled from August 23 and 24 to the week of September 7.
- Hybrid Integrated Linear Electro-Mechanical Actuator Project (HILEAP): Coordinated resource estimates for FY12 – FY 15 planning purposes.
- Vehicle Integrated Propulsion Research (VIPR) –The instrumentation rack was successfully relocated from the Shuttle hangar to Building 4840 Bay 1/2/3. Rack clean-up and check-out has begun.
- Full-Scale Advanced Systems Test-bed (FAST) Fiber Optic Shape Sensing (FOSS) – The team is currently working to close-out some Boeing contract work and perform de-scoped FAST requirements verification.

## **Integrated Systems Research Program (ISRP)**

### **Environmentally Responsible Aviation (ERA)**

- General: Top priority was placed on supporting the review and replan of the current DRE and ACTE projects to be completed and provided to the Airframe Technologies (AT) Subproject by September 6, 2011.
- Discrete Roughness Element Laminar Flow Glove Experiment (DRE LFGE): The upcoming DRE Preliminary Design Review (PDR) may be delayed as a result of this additional effort. The Code RA Branch Computational Fluid Dynamics (CFD) team has started PDR analysis.
- Adaptive Compliant Trailing Edge Flap (ACTE): The upcoming ACTE Systems Requirements Review (SRR) will be delayed up to 3 weeks as a result of this additional effort. FlexSys is continuing the elastomer selection testing and began looking at coefficient of pressure (Cp) data for an ACTE flap design. Prototype 2.2B manufacturing at ATK has been delayed due to a fabrication problem.

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

- Integrated Test and Evaluation (IT&E): Investigating additional resources required for the Automatic Dependent Surveillance – Broadcast (ADS-B) integration activities on the Ikhana UAS as some of the COTS equipment does not meet the avionics bay temperature requirements for flight operations. Integrated Test and Evaluation (IT&E) is working with the Ikhana Project to determine the impact and assess options. IT&E continues to refine the FY12 task plans for the design and development of the Live Virtual Constructive (LVC) simulation and flight test environment.

#### **AMD Upcoming Events:**

- Aug 22: Delivery of ACTE flap prototype 2.2B to FlexSys.
- Aug 25: ACTE flap Prototype 2.2B transition surface testing of the FOSS system
- Aug 29: IT&E will host a site visit by the HSI Teams from Ames and Langley.

Aug 30: VIPR CDR

#### **PE/Exploration Projects — John Carter**

- Meeting with SNC to discuss Dream Chaser flight test scheduled for afternoon of 8-23
- Space Act Agreements with SNC have been agreed to and are signature cycle at SNC. DFRC signature cycle to follow
- Dryden has been selected to lead the CCDev Program Insight Team Flight TEST IPT
- John Carter attended the Advanced Exploration Systems workshop at JSC. Talked with Preston Carter about possible F-15 horizontal launch activities

#### **OCT Flight Opportunities Program**

- Gabe Baca, Jonathan Pickrel, Gregor Hanuschak (ARC), Patrick Connell (HQ) deploy to Ellington Field on Thurs 25 Aug to support a Zero-G parabolic flight campaign (week of 22 Aug). Four payloads flown during the July flight campaign will be re-flown on this campaign.

#### **Multi Purpose Crew Vehicle (MPCV) program**

##### **Last Week:**

- The Orion Flight Test – 1 (OFT-1) Development Flight Instrumentation (DFI) power supply module and solid state memory and solid state drive radiation testing at the Indiana University Cyclotron Facility was completed on Aug 16.

##### **This Week:**

- Work will be started 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 is due to the Orion Flight Test Management Office on Sept 7.
- The AA-2 Facilities Requirements Document (FRD) for the facility modifications to the Launch Complex – 46 (LC-46) launch facility at the Cape Canaveral Air Force Station (CCAFS) will be delivered in Draft form to Space Florida on Aug 29. After getting comments from Space Florida, the FRD will be baselined at an Orion Configuration Management Team (CMT) meeting on Sept 2.

**UPCOMING EVENTS**

- Aug 15 AA-2 Facilities Requirements Document (FRD) Submitted to SpaceFlorida 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 22-26 Parabolic flight campaign at Ellington Field, Houston, TX.
- Sept 7 John Kelly to GSFC for Earth Sciences Commercial Suborbital Vehicles Workshop.
- Nov 17 OFT-1 PTR-3

**PS/Science Projects — Bob Curry**

**ON-SITE THIS WEEK**

**Glenn Research Center Twin Otter**

- Will be at the DAOF on Wednesday and open for visitors from 1:30 to 3:00
- Airplane has been recently configured with nadir viewing ports

**Global Hawk**

- Hurricane and Severe Storm Sentinel (HS3) scientists are on-site at DFRC and their instruments are installed on TN872. Weight & balance and communications testing are scheduled for this week
- The Global Hawk Mobile Operations Facility (GHMOF) is due to arrive at DFRC on Aug 25
- Preparing for KQ-X Flight Readiness Review

**DC-8**

- Methane Sounder instrument assessment flights will start August 23. Expect to conduct three flights over California Central Valley agricultural areas. All flights are planned for 10000 ft or higher
- JPL SweepSAR team has determined their prior flight data set is adequate and will not require additional flights this Fall

**ER-2**

- TN 809 – extended maintenance

**G-III (C-20) UAVSAR**

- Aug 29, 2011 – C-20 Sacramento Delta Tidal Study local mission

**UPCOMING EVENTS:**

- DC-8
  - Sept 2: Completion of ASCENDS/Methane Sounder flights
  - Oct/Nov: Operation Ice Bridge deployment

- G-III (C-20) UAVSAR
  - November 2: Soil Moisture local mission coordinated with ER-2
- ER-2
  - November 2: Soil Moisture local mission coordinated with G-III (C-20)
  - Mid-January - Feb: Expected time frame for MR-TCDL flights, local flights only, no deployment
- Global Hawk
  - August 29-31: KQ-X FRR
  - September: HS3 payload development flights (in EAFB range)
  - September: GHMOF delivery
  - October: ATTREX payload development flights (in EAFB range)
  - Aug 2012: HS3 Wallops Flights

**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.
- Prep for Shuttle asset disposition.

**THIS WEEK:**

- Shuttle transition and retirement.
- Prep for Shuttle asset disposition.

**NEXT WEEK:**

- Shuttle transition and retirement.
- Prep for Shuttle asset disposition.

**UPCOMING ACTIVITIES:**

- Shuttle transition and retirement.
- Prep for Shuttle asset disposition.

**X/SOFIA — Eddie Zavala**

**MAJOR EVENTS:**

**Last week:**

- The aircraft is completing a three-week down period where the aircraft communication and navigation radios have been upgraded and a Flight Data Recorder (“black box”) has been installed for the Germany deployment. The following checks have also been completed: the new avionics, general aircraft maintenance and inspections, additional instrumentation installations, and Liquid Nitrogen (LN2) Precooling System.
- HIPO (High Speed Imaging Photometer for Occultations, a Lowell Observatory science instrument), FLITECAM (First Light Test Camera for SOFIA) and the SFDC (Super Fast Diagnostic Camera) were installed onto the telescope this week. On August 18, 2011, the

science team started functional checks in preparation for five nights of Line Ops. Line ops should conclude on August 25, 2011.

This week:

- Tech Brief for Avionics Upgrade and HIPO/FLITECAM will start August 23, 2011.

Future Events/Items of Interest:

- 8/26/11 – Aircraft cruise drag performance and avionics checkout flight
- 8/29/11 – SCAI Flight 3
- 8/31/11 – SCAI Flight 4, ORR for Germany Deployment
- 9/1/11 – Remove FLITECAM
- 9/2/11 – Remove HIPO
- 9/6/11 – Install GREAT
- 9/7/11 – MCCA delta PDR
- 9/9/11 – Basic Science 2 Flight 8
- 9/12/11 – Active Mass Damper Control System CDR
- 9/13/11 – Vacuum Pump Subsystem Requirements Review
- 9/15/11 – SOFIA deploys to Germany
- 9/18/11 - SOFIA Aircraft at German Aerospace Day in Cologne
- 9/19 to 9/23/11 - Astronomische Gesellschaft (AG) Conference in Heidelberg, Germany
- 9/22 to 9/23/11 - SOFIA Aircraft stopover to Joint Base Andrews
- 10/14 to 10/17/11 - SOFIA Aircraft Visit to Ames Research Center
- 10/21/11 – California Science Teachers Association (CSTA) tour of SOFIA at DAOF

**Z/Program Planning Office — John Del Frate**

**Upcoming:**

- Lockheed ADP visit in Palmdale Wednesday September 7. Dryden visitors will include: David McBride, Dennis Hines, Patrick Stoliker, Brad Flick John Del Frate, and Tony Ginn.

**Code Z / Reimbursable Projects**

**Automatic Collision Avoidance Technology (ACAT)**

**This Week:**

- The Small UAV tech brief is currently scheduled to be held on Tuesday, but may be delayed.

**Upcoming:**

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

**Ikhana**

**This Week:**

- The Ikhana GCS IT Security Audit will be accomplished this week.

**Next Week:**

**Upcoming:**

- 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.

- 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 Tech Brief to cover Phantom Eye Integrated Fueling/Defueling & Ground Runs Test has been rescheduled from Thursday to September 8. A Phantom Eye Fueling Operations Planning Review with the Chief Engineer will be held in place of the Aug 25 Tech Brief. Tech Brief Committee members are welcome but not required.

### **sUAS:**

This Week: AeroVironment Shrike op on Wednesday, August 24th

### **Customer Satisfaction:**

The recently approved DOP-X-007, Customer Satisfaction Assessment describes the process of collecting, analyzing and acting on DFRC customer feedback. Program Directorate and Project Manager responsibilities are detailed within the DOP and all are urged to participate by forwarding their customer's feedback and Corrective Actions to Starla Carroll. The types of feedback needed are:

- Customer's E-mails - to include ones received from customers in recent months
  - Customer's verbal comments from face-to-face meetings
  - Conduct Customer Surveys
  - Online surveys - link to send to customers <https://www.surveymonkey.com/s/7S9MNKF>
  - Telephonic surveys . (DFRC has a prepared one for your use.)
  - Positive and negative feedback received from customers
- Everyone's cooperation is most appreciated and necessary in order to correct previous NQA audit findings. Please provide monthly and quarterly reports to your Mission Directorate and address any questions you may have to Starla Carroll x7507.

**B/Project Support Office – Rob Binkley**

### **MAJOR EVENTS:**

- Ongoing Project Networking Efforts on Science Mission Directorate Projects Underway
- Networking ACTE Flap, DRE Glove, GH UAVSAR, Air-to-Air Schlieren, and SCAMP Phase V

### **OTHER ITEMS OF INTEREST:**

- For Help with ConWeb Issues, Please Contact:
  - x7766 or email us at: [dfrc-project-support-office@mail.nasa.gov](mailto:dfrc-project-support-office@mail.nasa.gov)
  - Concerto Web Site: <https://ccpm.ndc.nasa.gov>

**R/Research Engineering — Brad Flick**

**THIS WEEK:**

- Al Bowers presented at TEDxNASA in SiliconValley (Aug 17 in San Francisco). Al's talk was on the minimum induced drag of wings based on observation of the flight of birds, and its implications.
- Debra Randall to LARC and GRC for UAS in the NAS center visits.

**Center Chief Technologist's Office (CCTO)**

- OCT will be announcing the Technology Demonstration Awards today. Dryden submitted one for consideration, but it was not accepted.

**Innovative Partnerships Office (IPO)**

- OIG has expanded its survey of the NASA Tech Transfer Program to multiple centers (ARC, DFRC, GSFC, & JPL). Auditors are now in an official audit phase; expect 3-4 months before their initial findings will be out for review.

**M/Mission Information & Test Systems Directorate — Sean McMorrow**

**MAJOR EVENTS:**

**This Week:**

- WEDNESDAY NIGHT OUTAGE – (Wednesday nights after 5pm is the normal weekly outage for system maintenance) This week the following systems will be updated:
  - General Compute Servers (CS3, CS4)
  - FDAS-IN
  - Public FTP Server
    - Windows Server Critical OS Patching:
    - Critical Chain Project Management (CCPM), Managed Archive and Repository, System (MARS) Project Management Server (DFRCAS04DEV), File Maker Pro (DFVMFMP3, DFVMFMPTEST, DFRCFMPROD), SharePoint (DFVMESP, DFVMECM), SQL servers (DFRCVMSQL02, DFVMSQL01, DFVMSQL, DFRCPSSQLDEV), SOFIA File Server (DFVMASDEV), SOFIA Garage Server, SOFIA FileMaker Pro Server
- GHMOF Trailer scheduled to arrive at DFRC on Wednesday August 24th.
- FLL – All items are in-work
  - Build SITPS Torsion Test Assembly
  - SOFIA
    - Continue - Ultra fine TC air Probe welding – 27 Thermocouple probe
- SIM Tech Lab
  - Repair Mobile Cockpit

**Missions Scheduled:**

- Air Force Ground Tests – X-47
- CCIE Flight – F-15
- WATR SMO Survey – No A/C Type

**MEETINGS OFFSITE:**

- TDY – Ray Sadler – Photogrammetry System to Temecula – Tuesday thru Friday (Shoot a Bladder for a re-entry vehicle).
- Anthony Thomas will be attending the NASA SWOT training August 21-22.

**VISITORS ONSITE:**

- Secure Info personnel will be on site for assessments of Ikhana and WATR security plans.

**OTHER ITEMS OF INTEREST:**

- IT POC Notice - Windows Software Update; RE: Code MI Notice – Windows. This update may cause your system to reboot automatically. If your system does not reboot automatically, please complete a manual system reboot.

**TIP OF THE WEEK:**

- During the End User services transition over the next few months, HPES will install any software back onto your new machine for which you have a valid license. Please begin finding copies of your software and licenses keys. Examples include CDs, DVDs, and Downloaded License Keys from emails. If you do not have a valid piece of software HP cannot do the install during time of transition.

**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 planning.
- Followed up on NQA finding's corrective action plans.
- Worked on metrics for the FTS equipment test process.

**THIS WEEK**

- Metrics team working with document POCs and process owners to develop process metrics
- Continue APO internal audit.
- Continue working the NQA audit findings. It is very important that they be closed by August 26th. We have 4 not implemented; 1 XM (85% complete), 2 XP (85% complete), 1 Code O (75% complete). Have meeting scheduled for tomorrow)
- Quarterly SOFIA internal audit Tuesday, 8/23/11.

**AGENCY DIRECTIVES STATUS**

The directives that are included in the July review period which begins Tuesday, July 26:

- NPR 9680.1A, NASA's Management of Grants and Cooperative Agreements
- NPR 8910.1C, Care and Use of Animals

Comments will be due to Cheryl Agin by August 26, 2011

**E/Equal Opportunity — Keri Eliason**

**Women's Equality Day – August 26th – 40th Anniversary**

- Please join NASA Dryden Flight Research Center and the Air Force Flight Test Center in celebrating Women's Equality Day: Our Right to Vote! The event will feature important women in our history at an informational fair and voting registration materials stop by anytime on Friday, August 26, 2011 from 10:30 a.m. to 1:00 p.m. at Club Muroc. Contact Gaby Olson at x2472 for more information. Women in the United States were given the right to vote on August 26, 1920, when the 19th Amendment to the United States

Constitution was certified. The amendment was first introduced many years earlier in 1878. Every president has published a proclamation for Women's Equality Day since 1971 when legislation was first introduced in Congress by Rep. Bella Abzug.

Diversity & Equal Opportunity website:

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

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

### **K/Education Office — Russ Claughton**

#### **Last Week's Major Events**

- Cecilia Cordova, Informal Education Manager, interns Cynthia Wong, Elina Cruz and Rachel Sousa, and the Dryden PAO staff, welcomed a grand total of 3056 visitors to the Aerospace Exploration Gallery at the AERO Institute during the City of Palmdale's "Thursday Night on the Square" 8-week summer event. A total of 737 attendees participated in the educational activities and enjoyed several guest speakers at the AERO. The Office of Education would like to say "Thank You" to the staff at the Dryden Public Affairs office, AERO Institute, Media Fusion/SCSC, the interns and the guest speakers from Dryden that helped make this event a huge success.

## **T/Public Affairs and Commercialization — Kevin Rohrer, Acting**

### **This Week**

#### **\*Pending media products**

- Feature story, Dryden & space shuttle series, Shuttle tire / runway tests on CV-990
- 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
- Possible photo or video feature, STS-135 crew visit to Dryden

#### **\* Media expected on site**

- A number of media organizations are expected on-site on Tuesday morning, Aug. 23, for the STS-135 astronauts visit to Dryden. Among those organizations that have committed to sending personnel or expressed interest so far are KCBS Ch. 2/KCAL Ch. 9, KABC Ch. 7 and KTTV Ch. 11, all Los Angeles, KBAK Ch. 29/KBFX Ch. 58, Bakersfield, La Opinion, Los Angeles, Antelope Valley Press, Aerotech News & Review, AV Today, City Newscasts, Los Angeles, Associated Press photo, Los Angeles, KNX News Radio 1070, Los Angeles, Tehachapi Loop, Techachapi

### **Tours**

- \* 8/23 Boy Scout Troop 27 42
- \* 8/26 California Virtual School 20

### **This Week @ Dryden**

\* 8/23, STS-135 Crew will provide a mission briefing to DFRC staff in the ISF from 9:00 am to 9:45 with a limited autograph session following. Only 1 autograph per person will be

permitted...no exceptions. The presentation will be available on EZTV Web channel 8 and Dryden TV channel 23

### **Last Week**

- \* 8/20 - 21, Mary Ann Harness, Kimberlee Buter and Sarah Merlin staffed the agency air show exhibit at the Kansas City Air Show. Approximately 15,000 were in attendance
- \* 8/19, Hernan Posada gave an overview of NASA at Corwin Elementary School in Apple Valley to approximately 25 students
- \* Media products produced, issued or posted
  - Feature story, Fred Haise tour & colloquium, JetHawks AAN honoree, posted 8/12
  - Video lead-in, Fred Haise tribute video, 8/12
  - Biography, Bart Henwood, laid out and sent to Web for posting, 8/12
  - B200 King Air and AMS sensor photos & captions to web for posting, 8/12
  - *This Week @ NASA video*, Fred Haise honored at JetHawks Aerospace Appreciation Night, to NASA TV, 8/16
  - Blog, Mark Pestana on Travis Air Show, Friendly Solano Skies & Crowds, posted 8/16
  - Media advisory, STS-135 crew visit to Dryden, issued 8-16
  - Web Feature, *Seeing Stars from SOFIA*, 8/17
  - Photo feature, Center directors' visit, posted 8/17
  - News release, NASA King Air AMS wildfire imaging flights, issued/posted 8/19
  - Facebook posts
  - Retired NASA astronaut and pilot Fred Haise honored, posted 8/15
  - The NASA agency air show exhibit featuring Green Aviation will be at the Kansas City Aviation Expo this coming weekend, August 20th and 21st. (Linked to airshow url)
  - Dryden Flight Research Center Associate Director for Research Al Bowers and retired Chief Test Pilot Rogers Smith will speak at this TEDxNASA event. (Linked to TEDxNASA site)
  - Cal State-Long Beach student intern Jill Pestana has a big thumbs-up for her experience on a night flight aboard NASA's airborne observatory, the SOFIA, posted with link to Pestana's blog, 8/16
  - Today in Dryden's History - August 16, 1963 -- The M2-F1 lifting body made its first tow flight behind the C-47, posted with link to Dryden's Today in Dryden History page, 8/16  
Twitter posts ("Tweets")
  - Lancaster JetHawks baseball team honors former NASA astronaut, test pilot Fred Haise on Aerospace Appreciation Night. <http://www.nasa.gov/dryden>, posted 8/12
  - Retired NASA astronaut and pilot Fred Haise honored, <http://t.co/NdGeFHQ>, posted 8/15.  
[@TEDxNASA](http://t.co/NdGeFHQ) "Extreme Green" @ SiliconValley on Aug. 17 will be streamed online. Learn more here: [go.nasa.gov/nVewOx](http://go.nasa.gov/nVewOx), posted 8/15
  - RT Participate online in #NASAit Summit. Discuss the latest trends in tech with [@NASA](https://twitter.com/NASA) & industry leaders <http://t.co/0dZOBCP>, posted 8/15
    - #NASA air show exhibit featuring Green Aviation will be @ Kansas City Aviation Expo this weekend, August 20-21. [go.nasa.gov/oOyLAy](http://go.nasa.gov/oOyLAy), posted 8/15
  - NASA-developed infrared imaging technology will again be used to support California wildfire control efforts this fall. <http://www.nasa.gov/dryden>

### **External Affairs – Cam Martin**

#### **Government Relations: Legislative and Intergovernmental Affairs**

Both Houses of Congress are in Recess until September 9th.

**Visitors:**

- August 23: STS-135 Event: Three staff from the office of Assemblyman Tim Donnelly – CA 59th District