

Dryden Monday Management Meeting (DM3)
August 15, 2011

X/Deputy Director — Patrick Stoliker

Thanks to everyone who contributed to success of the Fred Haise Colloquium and Jet Hawks Aero Appreciation Night. Both events went really well!

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 8-12)

- 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 – work progressing on schedule

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 scheduled to for Aug 15
- Facility Engineering is developing a preliminary Facility Requirements Document (FRD) for Airborne Science Lab modifications
- A draft release of the Statement of Work (SOW) for the upgrade of the 20-Ton Overhead Crane was distributed on Aug 9

Flight Operations

- Discussed and provided new performance plan for EPCS with Dryden Crew members
- Worked end of year purchase requests
- Conducted OM Branch Meeting

Safety, Health and Environmental Coordination

- Reviewing and updating facility evacuation maps
- Reviewed fall protection requirements for Land Mobile Radio Antenna roof work
- Submitted inspection findings for Mirror Coating Facility ORR
- Monitored construction activities for cryogen storage sheds
- Conducted inspection of large Dewar's in labs and outside storage areas – no violations
- Completed end of year purchase and P-Card requirements

Information Technology

- Installed 1/2" conduit and network cabling to support a security camera located on the South side between the 3rd and 4th floor stairwell
- Installed network cable to support a security camera on the 2nd floor North in room N233 the Fatigue Countermeasure Facility

- Resolved AGE Shop VOIP phone issue by terminating jack
- Installed and terminated the Access Control Panel for the badge reader cables in the SOFIA Science Labs
- Dressing the panel side of the badge reader cables for room N231 and the Fatigue Countermeasure Facility

Upcoming outages/maintenance windows:

- Saturday August 13th – Call Manager upgrade

Other

- Aug 12 – Fred Haise visit and tour of DAOF

S/Safety and Mission Assurance — Vince Chacon

LAST WEEK:

Summary of Incidents during 8/8/2011 thru 8/12/2011

There were three injuries and no incidents reported this week:

- An employee strained his back while moving equipment in the warehouse.
- An employee hit a 3' high post while backing up a company van and strained neck.
- An employee got dust in eye while drilling metal (safety glasses were being utilized).

OTHER:

Training – Confined Space Entry, August 16, 8:00 a.m. to 11:00 a.m., Bldg 4850 Conf Room

Quality and Safety Achievement Recognition (QASAR) Awards: Request for Nominations

- 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. 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 recipients:

- Sherry Schmitz and Dick Denman, Code SQ, for covering exposed connection points on batteries which if left unattended could have resulted in a fire.

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

LAST WEEK:

- RBR Facilities Support Center pre-bid job walk conducted on August 10, 2011
- B4840 Demark 3 project completed
- B703 Aircraft hangar portable electrical cart project has been completed
- B4838 Batteries installed in UPS
- B4800 Chiller #2 received a proposal to repair multiple refrigerant leaks. Awaiting Notice to Proceed (NTP)
- B4840 Refrigerant Alarm System has been repaired and returned to service. Unit still requires replacement of a strobe light
- B4840 Hangar Bay 4, 5 and 6 Hangar Door, was repaired and returned to service. Door Certification is pending re-inspection
 - **After Hour Responses and Weekend Callouts: NONE**

THIS WEEK:

- **Outages and Closures:**
 - B703 Fire Systems Outage is scheduled for August 17, 2011, from 8:00am – 4:00pm, to remove and replace flow switches. Outage #1096. POC Geraldlyn Drake x2725
 - B4840 Fire Alarm Outage is scheduled for August 16, 2011, from 7:00am – 3:30pm, to connect and program new fire alarm components of new rooftop fire suppression system. Outage # 1093. POC Troy Spiger x3491
- **Major Facility Projects:**
 - **FY08 – CoF – B703 - Construct Mirror Coating Facility (MCF): POC Jin Oh x7460**
 - Closeout of Construct MCF is pending the Operating Readiness Review (ORR) of the Mirror Coater Move. New configuration adjustments will be started in August after 90 days has passed from substantial completion
 - **FY09 – CoF – Construct Consolidated IT Center (CITC): POC Mark Nelson x7090**
 - B4838 Lobby Area – New construction continues. Reception area to begin installation
 - Landscaping in progress - placing weed control matting and decorative rock
 - Clean up continuing
 - Air Balancing and programming continuing
 - Closeout Pending Operating Readiness Review (ORR)
 - **FY10 – CoF Replace Sub 16 – Electrical Distribution System (EDS) Phase 6 of 8: POC Andrew Boykin x2340**
 - Underground cable testing begins today
 - Ground wiring installation continues
 - Hot works required for exothermic grounding
 - Substation 11 demolition / earthwork continues
 - **FY10 – CoF – Repair B4820 1st and 2nd Floor: POC Mark Nelson x7090**
 - Modifying Fire Department Connection and Test Headers in hangar
 - Rough electrical and fire alarm conduit/wiring on second floor continues
 - HVAC ductwork installation
 - Plumbing rough continues
 - Drywall installation continues this week

- **FY11 – CoF – Repair Sewer System: POC Troy Spiger x3491**
 - 100% Submittal received and routed for signature
 - Entire procurement package delivered to Code A with award targeted for August 15, 2011
- **FY11 – CoF – Repair Flight line Access Roads and Access Ramps, Phase 1 of 2: POC Vicki Gray x5116**
 - Invitation for Bid released. Contract Award scheduled for August 31, 2011
- **FY11 – CoF – RBR Facility Support Center: POC Andrew Boykin x2340**
 - Bids due on August 25, 2011, with award to follow shortly after
- **FY11 – CoF – Repair Aircraft Hangar Aircraft Support Facilities: POC Jin Oh x7460**
 - Acquisition in progress with award forecasted for September 5, 2011
- **FY12 – SII – Photovoltaic Solar Project: POC Vicki Gray x5116**
 - Final submittal documents received
 - Procurement package being developed
- **FY12 – CoF – Repair Center wide Fire Mains: POC Troy Spiger x3491**
 - Final submittal documents have been received and are under review
- **FY 12 – CoF – Repair Primary Electrical Distribution System (EDS) Phase 7 of 8: Andrew Boykin x2340**
 - Final 100% design received
 - Package development in progress
- **FY 12 – CoF – Repair Flightline Access Roads and Access Ramps, Phase 2 of 2: POC Vicki Gray x5116**
 - Final Submittal documents received
 - Procurement package being developed
- **FY 13 – CoF – Repair Primary Electrical Distribution System (EDS) Phase 8 of 8: Andrew Boykin x2340**
 - Draft Facility Requirements Document in progress with initial Project Definition Rating Index (PDRI) meeting tentatively scheduled for 25 August, 2011
- **FY 13 – B4800 Revitalize Mission Control Infrastructure: POC Jin Oh x7460**
 - Initial planning and requirements gathering in progress
- **Elevated Work:**
 - B703 South Hangar Fire Wall repairs continue. POC Ted Powers x3974
- **Small Projects:**
 - B4800 & B4820 Variable Frequency Drive – Proposal Technical Evaluation reviewed with Code A. Negotiations with contractor scheduled for this week. POC Dan Eason x2078
 - B4982 Repair ATF Chiller – Project underway, concrete placed, temporary chiller in place forecasted to be completed by August 26, 2011. POC Jin Oh x7460
 - B4840 Global Hawk – Rooftop Enclosure Fire Suppression System installation continues. POC Troy Spiger x3491
 - B703 Five ton Portable Air Conditioning Unit Project – SOW modified to new customer requirements and delivered to Code A. POC Jin Oh x7460
 - B703 Multi-Purpose Lab Project – Awaiting L.A. County Fire Alarm Plan approval. POC Jin Oh x7460

- B703 Hangar Door Repair Project – Proposal received and under negotiation. POC Jin Oh x7460
- B703 Airborne Science Lab Project – FRD is in review. POC Jin Oh x7460
- B703 Cryogenic Storage Sheds – Concrete placement for footings underway. POC Jin Oh x7460
- B4840 Chiller 1 Repair Project – Awaiting Request for Proposal (RFP). POC Dan Eason x2078
- B4801 Safety Modifications of Access Ladder, Catwalk, and Platforms – Final submittal documents received and are under review. POC Vicki Gray x5116
- B703 Repair Flightline Access Roads and Access Ramps – Final submittal documents from A/E received July 25, 2011 and in review. Waiting for construction funding. POC Vicki Gray x5116
- UAS/NAS Project Office – Project Manager assignment is pending. POC Dan Crowley x3369
- **Trouble Calls:**
 - B4802, 4820, and 4826 Hangar Door Repair – Quotation requested from contractor. Door certification is pending repair and re-inspection. The doors are operational and in service. POC Dan Eason x2078
 - B703 North Side Restroom waste drains not draining properly. Service and repairs are in progress. POC Dan Eason x2078
- **Transportation:**
 - DFRC Outbound Shipments. POC Cory Michel x7027
 - In support of the Public Affairs Office (PAO) shipped 6 crates weighing a total of 2,300 lbs from DFRC to Kansas City, MO for the Kansas City Air Show
 - Shipped a radar dome fairing for Global Hawk from DFRC to Northrop Grumman, in Palmdale CA, weighing 500 lbs. The radar dome fairing is used as the fuselage for the unmanned air refueling systems
 - DFRC Inbound Shipments. POC Cory Michel x7027
 - Received 8 computers in support of Arcata weighing 512 lbs
 - Received two crates from SEKO Worldwide LLC, Itasca, Il, in support of the Global Hawk
 - Currently updating the website for “Customer Shipping Guidelines” located on the Transportation tab on the X-Net. This guideline will aid NASA employees with general questions about supply shipping documents and Point of Contacts (POC). POC Teasha Smalling x3036
- **Mail Management:**
 - On August 8, 2011 United States Postal Service (USPS) conducted a suspicious mail training and demonstration of various machines the USPS uses to test First class mail. Another class will be scheduled at the DAOF at a later date, TBD. Thanks to all who attended this class. POC Teasha Smalling x3036
 - Inbound Mail-
 - On August 8, 2011, received one suspicious mail letter that was determined ‘okay to deliver’ by Protective Services. POC Teasha Smalling x3036

- Currently updating the website for “Mail Services Center” located on the Code F tab under ‘Organizations’ on the X-Net. This reference page will aid NASA employee’s with general questions on sending mail, contact info, hours of operation and what services types are available through United States Postal Service (USPS). POC Teasha Smalling x3036
- **Property Inventory:**
 - **FY11 Physical Inventory Update:**
 - As of August 10, 2011 there are a total of 90 unaccounted items, with a cost of \$689,859 90. POC Jean Manning x2590
- **Program Stock:**
 - Completed Program Stock sample inventories in NAMIS for a total of 172 line items valued at \$93,741. POC Teasha Smalling x3036
- **Aircraft Parts:**
 - Processed:
 - Three Requisitions for Aircraft on Ground (AOG’s) for F-18/846, F-18/850, and NASA 7
 - Ten critical items for Global Hawk and SOFIA. POC Teasha Smalling x3036

OFFSITE ACTIVITIES: NONE

VISITORS: NONE

FOR LATEST FACILITY UPDATES:

- **For Facility Trouble Call or Service Request status, please call Facilities Trouble Desk x3865 .**
- **For Facility Project status, please click the “Facilities Projects” link on the left-hand side of the X-Net.**
- **For construction locations and area closures, please check “Center Construction Map” on the X-Net.**

PA/Aero Projects — Joe Piotrowski

General: Overall DFRF FY12-13 N2 FTE numbers decreasing. Exact numbers will be available sometime this week. FY12 Project task plans are under development.

Aeronautics Test Program (ATP)

Flight Operations and Test Infrastructure (FOTI)

- General: Asset managers working support cost estimates with customers. ATP HQ managers have committed to engage the testbed sustainment issue at that level.
- Subsonic Research Aircraft Testbed (SCRAT): OE design and RI system integration efforts continue. Key power system design review completed. OR fabrication progress is slow; this is our biggest schedule risk.
- F-15D TN 897: Code O working an MOA to provide chase and target support to AFFTC projects.

Fundamental Aeronautics Program (FAP)

Subsonics Fixed Wing (SFW)

- Multi-Utility Technology Testbed (MUTT): Ruben Delrosario, SFW PM, approved SFW support for MUTT Phase 1 (Lockheed directed flights). Follow-on Phase 2 (DFRC directed flights) support needs to be discussed.

Supersonics (SUP)

- Channel Center-body Inlet Experiment (CCIE): The team is planning test flights this week following last week's aircraft/engine maintenance.

Aviation Safety Program (AvSP)

Vehicle Systems and Safety Technologies (VSST)

- Hybrid Integrated Linear Electro-Mechanical Actuator Project (HILEAP): Formulation activities are in progress. Notional agreements and resource/budget estimates are being developed.
- Vehicle Integrated Propulsion Research (VIPR): The CDR has been rescheduled to August 30. The instrumentation rack needs to be moved from its current location in the Shuttle hangar and potential new locations are being investigated.

Integrated Systems Research Program (ISRP)

Environmentally Responsible Aviation (ERA)

- Discrete Roughness Element Laminar Flow Glove Experiment (DRE LFGE): The final Glove Outer Mold Line (OML) was delivered to Dryden on August 10. Preliminary analysis performed by Texas A&M indicated that it will meet all ERA requirements. The Computational Fluid Dynamics (CFD) team initiated work with the OML in preparation for the Preliminary Design Review (PDR) planned for November 2-3.
- Adaptive Compliant Trailing Edge Flap (ACTE): The ACTE team continues to develop requirements in preparation for the Systems Requirements Review (SRR) and is working with ERA to determine the SRR date. Elastomer material thermal tensile testing continues at FlexSys this week. The team is validating Finite Element Models (FEM) using previous FOSS data that was taken during the last prototype tests. Progress is being made on the deflection measurements for ACTE.

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

- F-15B TN 836: The Air Force no longer supports the F100-PW100 engines. Currently, several F100-PW100 engines are useable.
- F-18 TN 853: Aircraft passed phase inspection and completed the FCF. Will begin traffic collision avoidance system (TCAS) modification work this week.

AMD Upcoming Events:

- Aug 22: Delivery of ACTE flap prototype 2.2B to FlexSys.
- Aug 23-24: VSST Quarterly Meeting to be held at GRC
- Aug 25: ACTE flap Prototype 2.2B transition surface testing of the FOSS system

PE/Exploration Projects — John Carter

John Carter will attend the Advanced Exploration System meeting at JSC this week

Meeting with SNC to discuss Dream Chaser flight test scheduled for afternoon if 8-23

OCT Flight Opportunities Program

The Program will put 7 companies on contract this week to provide payload integration and flight services. The seven companies are: 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.; and XCOR Aerospace, Mojave, Calif.

Multi Purpose Crew Vehicle (MPCV) program

Last Week:

An Ascent Abort – 2 (AA-2) Roles and Responsibilities meeting was held at the Johnson Space Center (JSC) on Aug 10.

A Table Top Review (TTR) of 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) was held on Aug 11. The FRD will be used by Space Florida to plan the refurbishment and modifications of the LC-46 gantry and the Abort Test Booster (ATB) integration buildings. Comments will be incorporated and the final version of the FRD will be submitted to Space Florida on Aug 15.

This Week:

The Ascent Abort – 2 (AA-2) Facilities Requirements Document (FRD) for the facility modifications to the Cape Canaveral Air Force Station (CCAFS) Launch Complex – 46 (LC-46) launch facility will be submitted to Space Florida on Aug 15.

An Orion Flight Test – 1 (OFT-1) Development Flight Instrumentation (DFI) power supply module will undergo radiation testing at the Indiana University Cyclotron Facility Aug 15-17.

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
Nov 17	OFT-1 PTR-3

PS/Science Projects — Bob Curry

ON-SITE THIS WEEK

Global Hawk

- KQ-X modifications to both aircraft are in progress
- Preparing for KQ-X Flight Readiness Review

- HS3 science team on-site

DC-8

- Preparing for Methane sounder instrument development flights
- 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

- Repeat pass of Colorado landslide site and imaging of Yellowstone's Mt Sheridan Volcano - 2 sorties on Aug 19

OFF-SITE THIS WEEK

- ER-2:TN806 deployed at Ellington Field. Potential targets are Mississippi Confluence (Louisiana) and Forest Ecology (Wisconsin). Flight dates scheduled throughout the week

UPCOMING EVENTS:

- DC-8:
 - Sept 2: Completion of ASCENDS/Methane Sounder flights
 - Oct/Nov: Operation Ice Bridge deployment
- G-III (C-20) UAVSAR
 - Aug 29, 2011 – C-20 Sacramento Delta Tidal Study local mission
 - 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
 - Aug 22: Delivery date for Mobile Operations Facility
 - 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

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.

VISITORS

THIS WEEK:

- None

NEXT WEEK:

- None

X/SOFIA — Eddie Zavala

MAJOR EVENTS:

Last week:

- The aircraft continued a three-week down period where the aircraft communication and navigation radios were upgraded and a Flight Data Recorder (crash data recorder “black box”) was installed, as needed for the Germany deployment. In addition to these items, work is ongoing to accomplish general aircraft maintenance and inspections: additional instrumentation installations, and Liquid Nitrogen (LN2) Precooling System final items.

This week:

- HIPO/FLITECAM Pre-Install Review will be held on August 12, 2011.
- HIPO will be installed and the Super Fast Diagnostic Camera will be installed in place of the Focal Plane Imager on August 15, 2011.
- FLITECAM will be installed on August 16, 2011.
- HIPO/FLITECAM Line Ops will begin on August 18, 2011.

Visitors:

- None

Future Events/Items of Interest:

- 8/23/11 – Tech Brief for Avionics Upgrade and HIPO/FLITECAM
- 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
- 9/6/11 – Install GREAT
- 9/8/11 – SMD Monthly Review
- 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
- 10/6/11 – SMD Monthly Review
- 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

TMB:

- None

PMB:

- None

On-Site this week:

- None

Off-Site this week:

- 16-19 August 2011 AUVSI Washington DC
- 17 August 2011 TEDxNASA@SiliconValley will be attended by 63 from Dryden. Live Stream open to everyone. Dryden will hold staff viewing locations at ISF, DAOF, and AEROi. In addition it can be viewed anywhere you can get an internet connection.

Code Z / Reimbursable Projects

Automatic Collision Avoidance Technology (ACAT)

Next Week:

- The Small UAV tech brief will be Tuesday, August 25

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 Project Office will support the AUVSI conference in Washington DC the week of August 15.
- Meetings with USCG and NOAA are scheduled for August 16 in Washington DC to discuss possible collaboration on missions from PMRF.
- The Project Office will support an MQ-9 PMR in San Diego on August 17.

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:

- System integration work continues on the Phantom Eye Aircraft

Next Week:

- A Tech Brief to cover Phantom Eye Integrated Fueling/Defueling & Ground Runs Test is scheduled for Thursday, August 25.

Small UAS

This Week:

- No report.

B/Project Support Office — Rob Binkley

MAJOR EVENTS:

- Ongoing Project Networking Efforts on Science Mission Directorate Projects Underway
- Networking OFT-1, GH UAVSAR, and Air-to-Air Schlieren
- HOTMOD and HOTSSENS networks will be pipelined as placeholders in Concerto
- PMB is cancelled for this week
- Project Update is cancelled for this week

VISITORS ON SITE:

- None

MEETINGS OFFSITE:

- None

OTHER ITEMS OF INTEREST:

- For Help with ConWeb Issues, Please Contact:
 - x7766 or email us at: dfrc-project-support-office@mail.nasa.gov
 - Concerto Web Site: <https://ccpm.ndc.nasa.gov>
 - Deirdra Bullock on AL this week
 - Cathy Freudinger TDY this week

R/Research Engineering — Brad Flick

THIS WEEK:

- Jennifer Cole is on leave Monday 8/15; Steve Cumming is acting RA Branch Chief, and can be reached at x3732.
- First copies of the 2011 Edition of Aerovations are being printed for distribution. Aerovations highlights DFRC innovations and accomplishments. Thanks to Jay Levine (Code T) for his hard work in developing the stories and putting this publication together for the Innovative Partnerships Office.
- Andrew Holguin, Mike Yandell (Tybrin), David Moseley, and Wayne Lu at ProEngineer Training at the AERO Institute Tue – Thu this week.

- Chris Kostyk at Thermal Fluids Analysis Workshop, NASA Langley
- Received request to support stress analysis of racks for JSC UAVSAR G-III due to selection of new rack structure system. This is new scope for the project not previously planned.

M/Mission Information & Test Systems Directorate — Sean McMorrow

MAJOR EVENTS:

This Week:

- FLL – All items are in-work
 - SOFIA
 - In Work - Ultra fine TC air Probe welding – 27 Thermocouple probe sensor installation
 - In Work - TA Surface TC installation, 22 TC on the Telescope Assembly
- Simulation Engineers supporting portable simulation at NASA IT Summit.
- WEDNESDAY NIGHT OUTAGE – (Wednesday nights after 5pm is the normal weekly outage for system maintenance) This week the following systems will be updated:
 - a. General Compute Servers (CS3, CS4)
 - b. FDAS-IN
 - c. Public FTP Server
 - d. Windows Server Critical OS Patching: Managed Archive and Repository System (MARS)
 - File Maker Pro (DFVMFMP3, DFVMFMPTEST, DFRCFMPROD)
 - SharePoint (DFVMESP, DFVMECM)
 - Concerto server (DFVMCCPM)
 - SQL servers (DFRCVMSQL02, DFVMSQL01, DFVMSQL, DFRCPSSQLDEV)
 - ODE application (DFODE-SERVER, DFODE-DEV)
 - Flight Data Analysis (DFODE-SERVER, DFRCVMIADS, DFIADS-IN)
 - EAP Caseware 2020
 - Secure Print Server
 - SOFIA File Server (DFVMASDEV)
 - VOIP PC Client Services
 - FlexLM License Server
 - Subversion Code Repository (DFVMSVN)
 - Windows File Servers (DFVMFS01, DFRCVMFS, DFVMACATFS, DFVMTFS, DFVMDAOFFS01)
 - EZTV Web-based TV
 - Hazardous Materials Management System
 - Hazardous Materials Management System Database
 - Invoice Concurrency System
 - Informacast Server for DAOF
 - e. ODIN will be applying software and security patch updates to all ODIN-Controlled Windows and Mac systems. This update may cause your system to

reboot automatically. If your system does not reboot automatically, please complete a manual system reboot for the updates to take effect.

WEEKEND OUTAGES-

- Network & VoIP Services Outage (B4820, August 19-22, 2011) Due to fiber and copper cable relocation activities, there will be a Network and VoIP (Phones) services outage from Friday, August 19 at 7:30 a.m. through Monday August 22 at 7:00 a.m. in Building 4820. These activities will cause outages to the Network & VoIP Services at DFRC in Building 4820 only. The outage will begin on Friday at 7:30 AM and Network and VoIP services will be restored no later than 7:00 AM on Monday, August 22. Phone services will not be available in building 4820 during the outage. In the event of an emergency, please dial 661-276-3256 directly via a cell phone for 911 services.
- All NEACC systems outage for August monthly technical maintenance weekend planned for weekend of August 19.

Missions Scheduled:

- Air Force Flight – ABL
- CCIE Flight – F-15
- WATR SMO Survey – No A/C Type

MEETINGS OFFSITE:

Sean McMorro, Roberta Sherrard, Angela Males, Larry Freudinger, Ken Norlin, Chariz Bryan, Brian Villalva, Connie Hines, Jeff Nelms, Russell Leonardo, Dennis DaCruz, Tess Hoffman, Yvonne Gibbs, Rich Wheaton, Emil Machac, James O'Neill, Randy Torres, Christian Garcia, and Steve Unander attending the IT Summit in San Francisco. for the week and Anthony Thomas will be acting CIO.

VISITORS ONSITE:

- HIPO/FLIPO science team will be in the simulation lab all weekend (8/13 and 8/14).

OTHER ITEMS OF INTEREST:

- There will be a Town Hall meeting at the DAOF to discuss the latest status of I3P the Agency Consolidated End-user Services (ACES) contract Wednesday, Aug. 24, 2011 from 1:00 – 2:30 pm in the DAOF conference room S211. Join us for ACES and dessert!

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.

O/Flight Operations — David Wright
THIS WEEK

- ER-2 806 AVIRIS/MASTERS Sun, Mon., Tues., & Wed. Return to DAOF (KPMD)
- Thursday.
- F-15 836 CCI/F-18 chase Wed. & Thurs.
- G-III 502 UAVSAR, Fri.

OFFSITE ACTIVITIES:

- G-II 805 X-C Buckley for 747 sim, Monday, August 15
- KA MMA X-C Ames for Center Director's Forum, Tuesday, August 16
- G-II 805 X-C to Ellington Field & Buckley, P/U ER-2 806 personnel from deployment and pilots from 747 sim at Buckley.

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, 2 XP, 1 Code O
- Quarterly SOFIA internal audit is being postponed until later this month. Exact date yet TBD.
- Continue rewrite of the Dryden Management System Manual. Draft due August 19th.
- Reviewed NPR 9680.1A, NASA's Management of Grants and Cooperative Agreements

DRYDEN DIRECTIVES STATUS

No directives in the review process at this time

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 due to Cheryl Agin by August 26, 2011

IMPORTANT LINKS

Online Dryden document library at <https://odie.ndc.nasa.gov/Pages/ODIE-Home.aspx>

**** Audit reports from both internal and external audits are now listed on the DMS website at <http://xnet.dfrc.nasa.gov/DrydenManagement/DMS/audrep.html>**

The current audit findings status report can be found on the DMS website at http://xnet.dfrc.nasa.gov/DrydenManagement/DMS/PDF/Open_NCRs.pdf

A listing of current document, forms, and Directives activities can be found in the Dryden Management Systems Communiqué at <http://xnet.dfrc.nasa.gov/DrydenManagement/DMS/communique.html>

A status report of documents that are expired or will expire in the next 6 months or less is posted monthly at <http://xnet.dfrc.nasa.gov/IsoDocs/approved.links/E-Documents.pdf>

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

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

USA Jobs will go down October 1st - October 8th, during that time there can be no posting/recruiting of jobs.

The HQ Mission Support Directorate (MSD) is seeking a candidate for a detail as Space Act Agreement (SAA) Coordinator at HQ to help work various Agency-wide SAA coordination initiatives.

This announcement will close on: 09/02/2011 [Project starts on: 09/19/2011 Project ends on: 09/14/2012 Time Requirement: 40] Mission Support Directorate is looking for the following: Skill Mix: Successful candidate will have/gain experience in the following: Negotiating, drafting, and managing various types of SAAs; Facilitating the SAA abstract review process; Assisting in implementation of new features for the Space Act Agreement Maker (SAAM) system, SAA "Community of Practice" Website, and SAA Spacebook page; Assisting in development of SATERN-based SAA training modules; and Assisting in drafting SAA-related policy and procedural guidance.

To view the full description of this project that is being offered please click on the url:

<https://smith.hq.nasa.gov/pave/Welcome.cfm> *Before applying for the project you must have your Supervisor's approval. **IMPORTANT NOTICE:** The PAVE program is sponsored by the Human Resources Management Division. It is designed to openly solicit PAVE Applicants for high profile assignments which may lead to greater visibility and career enhancement for the PAVE Applicant. It is not a part of the merit promotion and competitive placement plan. If you have any questions please contact: DeAndrea Peters at (202) 358-2009

[Feds Feed Families Food Drive still going on...](#) POC - Aaron Rumsey x 3312

The food bank we are donating to is the ***Grace Resource Center*** in Lancaster. These folks do a LOT of good for a LOT of people!! Let's pull together and represent NASA and especially Dryden. Not only does this food drive help a lot of families in the AV, but there is a friendly competition between the Centers to see who can raise the most food donations (per capita). So even though we are a small center, we can represent in a BIG way!!!! There will be donation barrels set up at the entrances of buildings 4800, 4840, 4838 and the DAOF. Here is a list of suggested foods to donate: <http://www.fedsfeedfamilies.gov/mostwantedlist.pdf>

- Thanks to everyone who has donated so far (*let's keep it up*). **Please check the expiration date on the donated items.**
- For the month of July, we donated 1111 pounds of food (***KEEP UP THE GREAT WORK!!***) We have until August 31, 2011 to close out a great year. Let's finish with a BANG !!!!!

K/Education Office — Russ Claugton

Last Week's Major Events

August 11, 2011 - Cecilia Cordova, Informal Education Manager, interns Elina Cruz and Cynthia Wong, along with Dryden PAO staff, greeted 411 visitors to the Aerospace Exploration Gallery at the AERO Institute. There were 61 visitors to the Discovery Dome presentation "Black Holes" during the City of Palmdale's "Thursday Night on the Square" event.

This Week's Major Events

August 18, 2011 - Cecilia Cordova, Informal Education Manager, and the NASA Dryden PAO staff will welcome visitor's to the Aerospace Exploration Gallery at the AERO Institute to celebrate the City of Palmdale's "Thursday Night on the Square" event entitled "Fall into Summer". Intern Rachel Sousa will support Cecilia Cordova's Discovery Dome activity. This is the last "Thursday Night on the Square" event for the season.

T/Public Affairs and Commercialization — Kevin Rohrer, Acting

* 8/20 - 21, Mary Ann Harness, Kimberlee Buter and Sarah Merlin will be staffing the agency air show exhibit at the Kansas City Air Show. Contact: Mary Ann Harness x3446

* 8/19, Hernan Posada will give an overview of NASA at Corwin Elementary School in Apple Valley

*Pending media products

- Photo feature, Fred Haise colloquium and tour of Dryden
- Photo feature, Fred Haise honored at JetHawks Aerospace Appreciation Night
- Video for TWAN on NASA TV, Fred Haise honored at JetHawks Aerospace

Appreciation Night

- Feature story, Dryden's Contributions to the space shuttle, 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

This Week @ Dryden

TEDx Information and Instructions

For Dryden Staff:

- TEDxNASA@SiliconValley will air August 17, 2011 from 2:30 - 8pm

- To view the event on-site Dryden staff has 4 options to choose from

- DAOF: CR 211
- Dryden Main Complex: ISF
- AERO Institute: Operations Room (400)
- EZ TV (application on your desktop computer)

- Instructions to access event on your internet-equipped computer at home the following web site: <http://tedxnasa.com/silicon-valley>

-Click the rectangular red button on the left side of the page labeled "WATCH LIVE STREAM"

You should be seeing an image with a little arrow (play button) in the center of the image.

Click that button and you will receive the Live Stream of the event as it is happening

TEDx Program info:

- Session 1: 2:30pm to 4pm
- 1st break 4pm to 4:45pm

- Session 2: 4:45pm to 6pm
- 2nd Break: 6pm to 6:45pm
- Session 3: 6:45pm to 8pm

The Program is a mix of 23 high-energy short talks and musical performances to get viewers thinking. The theme is “Extreme Green” which will cover a broad range of subjects such as biology, aeronautics, space, computers, design, social matters, energy, climate, communication, among others

From Code C for Civil Servants (contractors please contact your supervisor): The TEDxNASA@SiliconValley event is being held Wednesday, Aug. 17th, from 2:30 p.m. to 8 p.m. This has been deemed an official work event and therefore employees who join the online stream at the TEDxNASA website should reflect their time in WebTADS by using their normal WebTADS labor code(s). To optimize on the number of employees that participate and minimize the amount of overtime/comptime that is required supervisors should consider allowing a flexible schedule for the day, such as adjusting start times.

- * Supported Boeing's Phantom Eye project hosting Dark Light Pictures, a PR firm doing a multimedia shoot on-site during the evening hours of Aug. 9
- * 8/13, Supported JetHawks Aerospace Bobble Head Night featuring Fred Haise
- * Media products produced, issued or posted
 - Feature story on Dryden's Contributions to the space shuttle, F-104 TPS flight tests, posted 8/5
 - News release on Employee Exchange Council scholarship winner Emily Wright, issued 8/5
 - Feature story on NASA's DC-8 flying lab validates laser instruments, posted 8/9
 - HQ News release on NASA Selects Seven Firms for Near-Space Flight Services, re-issued from Dryden PAO, 8/9
 - Status update on G-III UAVSAR Alaska volcanoes mission completion
 - Facebook posts
 - Dryden F-104 Flight-Tested Shuttle TPS Materials, posted 8/8
 - Dryden employee scholarship goes to Emily Wright, posted 8/8
 - NASA's DC-8 Flying Lab Validates Laser Instruments, posted 8/9
 - NASA Selects 7 Firms to Fly Suborbital Payloads, posted 8/10
 - G-III Completes Alaskan Volcanoes Radar Imaging, posted 8/12
 - Stats
 - 1,683 monthly active users
 - 2,129 people like this
 - 125 wall posts or comments this week
 - 254 visits this week
 - Twitter posts ("Tweets")
 - Scientists validate four laser techniques for measuring atmospheric carbon dioxide aboard NASA's DC-8 flying lab <http://www.nasa.gov/dryden>, posted 8/9
 - G-III Completes Alaskan Volcanoes Radar Imaging, posted 8/12
 - Lancaster Jethawks Aerospace Appreciation Night event honoring Fred Haise, 8/12

X/Chief Medical Officer — Gregg Bendrick

The DFRC Fatigue Risk Management Plan, DCP-X-046 has been officially approved (Effective date: 08-01-2011). It can be found in the Dryden Document Library at: <https://odie.ndc.nasa.gov/DMS/DCP-X-046.pdf>.

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: Makeup for Drug Free Workplace Training for Supervisors is scheduled for Aug 17th from 11-12pm, Dryden: small mezzanine, DAOF: Room S211, AERO: TBD, Contact Susan Burright x7001 for more information.

Tip of the week: **The stress of shift work** A shift worker is anyone who follows a work schedule that is outside of the typical "9 to 5" business day. Shift work involves working outside the normal daylight hours. The Bureau of Labor Statistics reports that about five percent of American adults work in the evening, this amounts to about 15.5 million people. According to the International Classifications of Sleep Disorders, shift workers are at increased risk for a variety of chronic illnesses such as cardiovascular and gastrointestinal diseases. The main complaint for people with shift work sleep disorder is excessive sleepiness. This affects a worker's ability to perform safely and efficiently. Driving to and from work is a major concern.

Sleepiness affects our ability to concentrate. This risk is not simply a matter of falling completely asleep. After sleep loss, it is possible to have very brief periods of sleep that last only a few seconds. Most people may not even realize these short sleeps are happening. During those few seconds of sleep, they are not paying attention at all. Other symptoms include: reduced performance, difficulties with personal relationships, and irritability/depressed mood. Some personal factors can make workers more susceptible to problems when doing shift work or working extended hours. These include: a heavy domestic work load, psychiatric illness, a history of alcohol or drug abuse, epilepsy, diabetes and heart disease.

What can a shift worker do? Shift workers' diet is very important. Shift workers should have three meals a day, at roughly the same time every day. The timing of meals can keep energy levels up, improve sleep and help the body adjust to the shift work schedule. Restrict the intake of caffeine, not only in coffee and tea, but in soft drinks too. **Night-shift workers should exercise.** Exercising is not an easy task because shift workers usually start the day exhausted and pressed for time. However, exercise can simply mean being active in general; for example, a walk around the neighborhood for half an hour. Vigorous exercise should be avoided during the last two hours before bed time. **Setting up the conditions for sleep is very important.** Family, neighbors and friends need to know and understand the shift schedule. The bedroom must be dark and cool. Noise levels can be reduced by heavy curtains and sound insulation on the doors and windows. An air conditioner can mask minor noises from outside. An answering machine for the phone and lowering the ring tone may also be helpful.

What can supervisors do? Keep consecutive night shifts to a minimum. Some researchers suggest that only 2 to 4 nights in a row should be worked before a couple of days off. This

keeps circadian rhythms from being overly disturbed and limits sleep loss. **Plan some free weekends.** Loss of contact with friends and family is a major problem for shift workers. **Keep the schedule regular and predictable.** Workers should know their schedule well ahead of time, so they can plan their rest, child care, and contact with family and friends.