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Spaceport News

John F. Kennedy Space Center - America's gateway to the universe

www.nasa.gov/centers/kennedy/news/snews/spnews_toc.html

NASA Advisory Council digs facts for future

By Linda Herridge
Spaceport News

The NASA Advisory Council recently spent two days at Kennedy Space Center gathering facts and updates for its quarterly meeting. Then, more than 30 council members presented the information and proposed recommendations during an open session at the Cocoa Beach Hilton on Feb. 5.

The Council Chairperson Dr. Kenneth Ford moderated presentations from six committees: Aeronautics, Audit and Finance, Exploration, Human Capital, Science, and Space Operations.

"The council completed two productive days of fact-finding meetings in preparation for the public meeting," said Ford, who is founder and director of the Florida Institute for Human and Machine Cognition. "It is an honor and a privilege to serve on the NASA Advisory Council."

Among the presenters were retired astronaut Eileen Collins, chairperson of the Space Operations Committee; ex-officio member Dr. Ray Colladay of the Aeronautics Committee, and Dr. R. James Milgram, a professor in the Department of Mathematics at Stanford University and Human Capital Committee member.

NAC/Tom Jones

Retired astronaut Eileen Collins and members of the NASA Advisory Council's Space Operations and Exploration Committees visit the SpaceX facility at Cape Canaveral Air Force Station's Launch Complex 40 on Feb. 3, to get an update on the Falcon 9 rocket, scheduled for its first launch in June 2009.

Collins and the Space Operations Committee visited the SpaceX facility at Cape Canaveral Air Force Station's Launch Complex 40 to get an update on the Falcon 9 rocket, scheduled for its first launch in June 2009.

Collins gave brief overviews of NASA's plans to increase the number of Expedition crew members aboard the International Space Station, the Soyuz anomaly investigation and space shuttle extension options.

One of the Space Operations Committee's recommendations was to document human spaceflight lessons learned.

Colladay's presentation focused on aviation and its economic impact on the U.S. and the world. He said the industry represents 8 percent of the gross domestic product, or GDP, and has a $3.5 trillion impact worldwide.

"NASA plays a vital role in developing the technologies that contribute to the agency's research and development for commercial aviation," Colladay said.

Colladay said there may be a three-fold increase in air traffic during the next 30 years and that environmentally-responsible initiatives are needed to reduce emissions and fuel consumption. The Aeronautics Committee recommended the council form a task force to get external community input on environmental issues.

Milgram, the first mathematician on the council, gave an update on NASA's public television channel. The Human Capital Committee recommends an external review of the channel

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More online

To find out more about the NASA Advisory Council, visit: **http://www.hq.nasa.gov/office/oer/nac/.**

Inside this issue . . .

KSC picnic offers something for everyone

The 30th annual Kennedy Space Center All-American Picnic on March 7 could be the best one yet.

"We're going to go back to the basics and barbecue will do that," Picnic Chairman Ned Voska said. "And there is so much to do this year."

Sonny's Real Pit Bar-B-Q restaurant will provide a traditional barbeque meal, and for the first time, tickets will be sold exclusively for a vegetarian meal.

The picnic, from 10 a.m. to 4 p.m., at KARS Park I is themed "Celebrating Three Decades of Fun, Food, and Family."

"The picnic will offer fun and exciting activities for all age groups, including new games, such as human jousting and cornhole for the Generation X,Y and Z folks." Voska said. "We've really focused on having something for everyone."

Some of the scheduled events include live entertainment, community exhibits, children's games, including a new sand art craft, the popular Guitar Hero and Rock Band, a car and motorcycle show, chili cook-off, astronaut autographs and more.

Ned Voska

Also, the Brevard County Sherriff's Office will offer fingerprint cards for children.

This year's picnic will continue the Spaceport's dedication to go green and benefit the area's natural surroundings. The plate you eat from, the cup your drink from and the utensils you use eventually will become soil for use at Walt Disney World.

"It's a way for us to contribute to preserving our environment," Voska said.

More online

To volunteer for the 30th Annual All-American Picnic or for more information, visit: **http://kscpicnic.ksc.nasa.gov.**

Waste collection stations will be located throughout the park and a mobile recycling unit from Somat Waste Reduction Technology will be on-site to pulp the waste material.

Voska says there are many things that go into a successful picnic for about 6,000 people. "We need two things from our workers here at KSC: Buy your tickets early and volunteer to help."

Volunteers who serve a minimum of two hours can purchase a discount ticket for $4 and will receive a "2009 KSC All-American Picnic Volunteer" baseball hat.

High school students serving as volunteers also can earn community service hours, including time toward a Bright Futures scholarship. If you or your student is interested in volunteering, or for more information about the picnic, visit, http://kscpicnic.ksc.nasa.gov.

Tickets are on sale from Feb. 23 to March 4; $7 for adults with a choice of meat or veggie ticket, and $4 for children, ages 3 through 12. Children ages 2 and younger get in free, but require a ticket. A limited number of tickets will be available the day of the picnic; $10 for adults, and $6 for children.

Advance tickets are available at locations around Kennedy and more information will be provided in the "KSC Daily News."

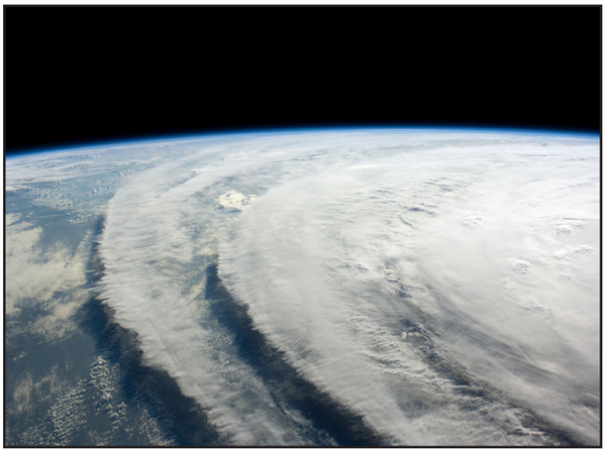
All Kennedy civil service, contractor, and Cape Canaveral Air Force Station personnel associated with a NASA program, and their families, are invited to attend.

Centers share hurricane lessons learned at Kennedy forum

By Linda Herridge
Spaceport News

Representatives from several NASA centers and Headquarters met at Kennedy Space Center for a two-day Hurricane Multi-Center Safety and Knowledge Sharing Forum. The forum was organized by Bobby Watkins and Joe Dowdy, chiefs of staff at Johnson Space Center and Kennedy, respectively.

Participants included Kennedy, Johnson, Stennis Space Center in Mississippi, Langley Research Center in Hampton, Va., NASA Shared Service Center at Stennis, Michoud Assembly Facility in New Orleans, La., and NASA Headquarters Emergency Operation Center in Washington, D.C. Presentations focused on lessons learned and best practices from recent storm experiences.



NASA file/2008

Hurricane Ike, as seen in this photo taken from the International Space Station, was among the hurricanes discussed at the Hurricane Multi-Center Safety and Knowledge Sharing Forum at Kennedy Space Center on Feb. 13.

Discussions covered employee direction and accountability, communications, infrastructure, timelines for closing and reopening, recovery and employee assistance.

"The goal was to share best practices and lessons learned among the various centers to strengthen our preparation and response to future natural disasters," Watkins said.

Johnson's presentation covered lessons learned from Hurricane Ike. The storm hit Galveston, Texas, and surrounding areas Sept. 13, 2008, at 3 a.m. CST. Ike caused 20 deaths, and several indirect deaths after the storm passed. Many of the center's workers suffered severe damage to their homes.

Lessons learned from Ike included: deciding when to close the center; how to communicate with workers without computers or phones, including cell phones; going from a senior staff relocation team to a smaller communications team; the need for a center-wide integrated timeline; the processes and criteria for a safe center reopening; the importance of industrial hygiene and information technology; how best to assess damage; and the need for a share-drive policy.

"Hurricane's are a part of our life here on the Space Coast and this forum has proven to be an outstanding opportunity to share experiences so that we are better prepared to meet the challenges that will most assuredly come in the future," Dowdy said.

During breakout sessions, groups focused on infrastructure and information technology, timelines for center closing and reopening, employee direction and accountability, center recovery processes, procurement, life sciences and employee recovery assistance, communications, knowledge management and safety.

Discussions focused on shared capabilities, displaced workers, communication options and developing a multi-center training program.

"The forum gave us an opportunity to figure out ways to control risks as each center plans for the upcoming hurricane season," Watkins said.

NASA/Randy Beaudoin

The Stage 1, 2 and 3 motors of the Taurus XL rocket are prepared for transfer to Space Launch Complex 576-E at Vandenberg Air Force Base in California. The Taurus is the launch vehicle for the Orbiting Carbon Observatory, or OCO, which is an Earth-orbiting mission sponsored by NASA's Earth System Science Pathfinder Program.

CO2 hunter key to climate change mystery

About 300 miles south of Kennedy Space Center, there's a marine sanctuary where orange anemones move freely and yellow-speckled fish dart behind coral and sponges. It's Florida's vibrant underwater ecosystem; and it could be in grave danger.

Every time we start our car or turn on the TV, we emit carbon dioxide that settles in the oceans, making them warmer and a little more acidic.

"Methane, CO2 from automobiles and fossil fuel are considered major contributors to current climate change patterns and the increasing temperature of oceans," said Carlton Hall, Dynamac's chief scientist and manager of the Ecological Program at Kennedy.

Currently, NASA's Aqua satellite is detecting carbon dioxide about six miles above Earth's surface. But to really understand long-term global climate change, scientists need to get closer.

A new NASA satellite, set to launch atop a Taurus XL rocket from Vandenberg Air Force Base in California, will do that.

The Orbiting Carbon Observatory, or OCO, is the first of its kind, built to measure and track carbon dioxide "sources" and "sinks" in Earth's atmosphere.

"The OCO mission is the Launch Services Program's first primary Taurus mission and the team is excited," said NASA Launch Director Chuck Dovale. "Although the systems are very similar to that of the Pegasus, for which LSP is very familiar, the application of this ground lit rocket system is quite a bit different than the air lit Pegasus.

"On the heels of a very successful NOAA-N prime mission, LSP is proud to be launching another Earth-observing spacecraft. With the new administration having more of a focus on Earth science, LSP looks forward to contributing to and adding to NASA's knowledge of Earth in the years to come."

OCO will look at more than natural sources and sinks, which roughly balance each other out. It also will study human sources, that when thrown into the mix could potentially cause global warming. And it's not just ocean reefs that are in danger. The belief is the effects of carbon dioxide play out like a game of dominos.

Coral reefs are natural barriers that protect islands and other coastal areas from beach erosion, changes in the ocean's salinity can cause sea mammals to become vulnerable in their own environment, and rising ocean temperatures can cause algal blooms, such as red tide.

Here on the Space Coast, we already may be encountering the effects first-hand with severe weather.

"Earth is like a heat engine," Hall said. "Greenhouse gases trap heat and that energy has to go somewhere. So even though the actual daily temperatures we experience seem normal, we may see stranger hurricane patterns, colder winters, or droughts in places where they've never occurred before.

"Major advances in data from satellites, such as OCO, will help us figure out how these different processes are linked and interlinked. We'll be able to sort out the puzzle."

"Most citizens can understand the very tangible benefits that an Earth-observing satellite can provide." Dovale said. "We certainly are expecting good things from OCO to help us better understand how CO2 is affecting our planet."

Editor's note

As of press time, the launch of a Taurus XL rocket carrying the Orbiting Carbon Observatory was scheduled for Feb. 24. For complete coverage and photos, go to: **www.nasa.gov**.

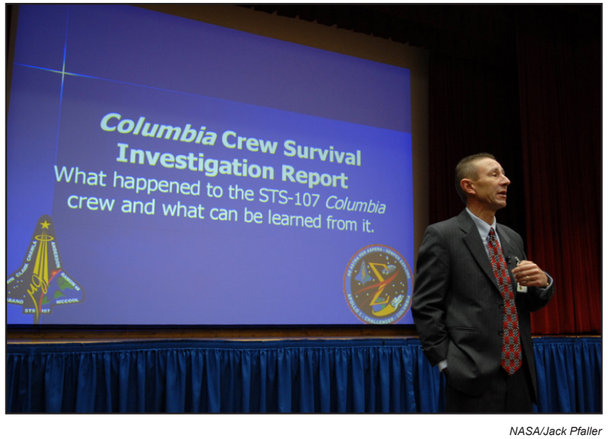
Scenes Around Kennedy Space Center

NASA/Dimitri Gerondidakis

Astronaut Dorothy Metcalf-Lindenburger announces the winners of the "Your NASA Dream Experience" contest Feb. 2 in Lakeland, Fla. The teacher and two students from Lakeland High School won a three-day job-shadow experience at NASA's Johnson Space Center in Houston.

NASA/Jim Grossmann

Gunter Wendt stops by Kennedy Space Center on Feb. 10 for a tour of Launch Pad 39A. Wendt was in charge of the Kennedy launch tower pad operations during the Mercury and Apollo Programs.



NASA/Jack Pfaller

Nigel Packham, Ph.D., associate director with Johnson Space Center's Technical Safety and Mission Assurance, discusses lessons learned from the Columbia accident at the Kennedy Space Center Engineering Academy's "Columbia Crew Survival Investigation" presentation Feb. 4 in the Kennedy Training Auditorium.

NASA/Jack Pfaller

Alejandro DuQuesne takes part in the Child Development Center's "Wild, Wild West" event Feb. 6 at Kennedy Space Center. Kids rode ponies and pet pigs in perfect weather at the center.

Atlantis' external fuel tank-solid rocket booster stack switches high bays

Photos by NASA/Dimitri Gerondidakis

The external fuel tank-solid rocket booster stack move allowed technicians to begin stacking solid rocket boosters for STS-127 in the Vehicle Assembly Building at Kennedy Space Center.

NASA/Jim Grossmann

Pat Archer, left, gets some hands-on training from Troy Cryder during the 2009 Florida Disability Mentoring Day event Feb. 3. Students were matched with mentors who work all around Kennedy Space Center.

NASA/Jack Pfaller

Morehouse College Glee Club performs at the Space Station Processing Facility at Kennedy Space Center in honor of African-American History Month on Feb. 6. The group is the official musical voice of Morehouse College in Atlanta, Ga. -- the nation's largest private liberal arts college for men.

NASA/Jack Pfaller

A replacement distillation assembly for the International Space Station's new water recycling system is checked out Feb. 5 in the Space Station Processing Facility at Kennedy Space Center. The unit is part of the Urine Processing Assembly that removes impurities from urine in an early stage of the recycling process. The replacement distillation assembly will be flown to the station aboard space shuttle Discovery on the STS-119 mission.

Launching Leaders soak up fun, experience

By Layla Higgins
For Spaceport News

A packed house at the Kennedy Space Center Visitor Complex shows the future of America's Spaceport is in good hands. More than 170 people attended the kick-off event for the newly formed Kennedy Space Center Launching Leaders organization Jan. 28.

The sold-out event included networking with co-workers and senior management, providing some the opportunity to talk with mentors they might not have had the chance to meet on the job.

The event's keynote speaker was Space Shuttle Program Manager John Shannon. His speech focused on his leadership philosophy, which he relayed using personal stories, jokes and anecdotes.

There also was plenty of food, mingling and entertainment. Refreshments were served in the IMAX gallery, home to Kennedy's art collection. For many employees, this event was their first opportunity to check out the collection's treasures, including an original Andy Warhol print.

NASA/Chris Rhodes

More than 170 people mingled at the first Kennedy Space Center Launching Leaders event Jan. 28 at the center's visitor complex.

The event concluded with a 3-D showing of the film "Magnificent Desolation" in the IMAX Theater. The film narrates the stories of the 12 men who walked on the surface of the moon. While the film portrays the first steps on the moon, it was the perfect conduit to motivate Kennedy's future leaders as the center revitalizes its mission to explore the moon again, as well as beyond.

Launching Leaders was created to provide social and professional networking opportunities and training for early career professionals at Kennedy. Creation of the group is one of the first accomplishments of the action group Refresh, which is administered through NASA's Office of Human Resources. Refresh was charted to develop interesting and motivating ways to keep Kennedy employees at all levels, engaged in working at the space center.

"The event was very exhilarating due to the excitement of all the other young enthusiastic leaders, the support of upper management, and the chance to learn more about leadership currently within NASA," said Sarah Schilling, NASA vehicle processing engineer for space shuttle Atlantis.

Launching Leaders will continue to provide social and community events for both contractor and civil servant employees. The group currently is working on plans to host an event to celebrate Yuri's Night on April 4. Announcements regarding upcoming events can be found in future issues of Spaceport News and center e-mails.

Find out more

For more on Launching Leaders, e-mail Clay Yonce at **clayton.a.yonce@nasa.gov** or Layla Higgins at **layla.m.higgins@nasa.gov**.

2008 SPACE ACT AWARD RECIPIENTS

NASA's Space Act Award recognizes a specific scientific or technical innovation of significant value to the agency's aeronautical or space activities

NASA

Ellen Arens
Carlos Calle
Janine Captain
Michael Conroy
Adam Dokos
Curtis Dugger
Priscilla Elfrey
Douglas England
James Fesmire
Michael Galluzzi
Laurie Griffin
Philip Gvozd
Wyck Hebert
Paul Hintze
Curtis Ihlefeld
William Little
Janice Lomness
Angel Lucena
Louis MacDowell
Paul Mackey
John Madura
David Mann
Ravi Margasahayam
Rebecca Mazzone
Frank Merceret
Carolyn Mizell
Thomas Moss
Pamela Mullenix
Elkin Norena
Mark Nurge
Matthew Parris
Clyde Parrish (retired)
Jose Perotti
Huang PoTien
Luke Roberson
Josephine Santiago
Jared Sass
Joe Schuh
Linda Shaykhian
Barry Slack
Trent Smith
Priscilla Stanley
Lanetra Tate
William Toler
Emilio Valencia, Jr.
Rudy Werlink
Douglas Willard
Martha Williams
Robert Youngquist

ASRC Aerospace

Norman Blalock
Charles Buhler
Bradley Burns
Robert Cox, Jr.
Charles Curley
Joseph Curran
Jesus Dominguez
Anthony Eckhoff
John Gates
Terry Greenfield
William Haskell
Christopher Immer
Steven Klinko
John Lane
Carlos Mata
Judith McFall
Pedro Medelius
David Miller
Rebecca Oostdyk
Mindy Ritz
Geoffrey Rowe
Marshall Scott, Jr.
Stephen Simmons
Peter Vokrot
Carlos Zavala

Analex

James Henze

Boeing

Michael Dahm
Phillip Fitzgerald
Eric Hanson
Philip Lintereur
Michael Lombardo
Tiffany Poupart

Dynacs

Richard Birr

Dynamac

Joshua Heise

Space Gateway Support

Donald DiMarzio
Belle Graziano
Rocky Grider
Michael Helmick
Barbara Kaysen
Steven Leong
John O'Brien
George Schiro
Tom Villane
John Wortman

United Space Alliance

Mary Jo Al-Shihabi
Melvin Ayala
Brian Bateman
Martin Belson
George Berry
Joanne Breen
Douglas Buford
John Chamberlin
Jeffrey Cheatham
Brian Elleman
Gail Fischer
Scott Gillespie
David Hanson
Derek Hardin
Charles Harnden
James Hart II
Joseph Jacoby
Jason Kapusta
Patricia Karpinski
Nadean King
Louis Locklear
Caryl McEndree
Claudia Mears
James Mikell
Brent Mitchell
Kyle Nielsen
Elkin Norena
Michael Popovich
Antonio Rodriguez
Dana Sorensen
Jeffrey Thompson

45th Space Wing

Mike McAleenan
Todd McNamara
Johnny Weems
Andrew Schuerger

Remembering Our Heritage

Delta II celebrates 20 years of dependability

By Kay Grinter
Reference Librarian

Happy birthday Delta II!
The program celebrates 20 years of dependable support of America's space program in February. The program's first launch was Feb. 14, 1989, from Launch Complex 17 on Cape Canaveral Air Force Station in Florida, carrying a Global Positioning System satellite.

The United States government, responding to the Soviet Union's launch of Sputnik in 1957, contracted for development the original Delta rocket. The design was based on that of the Thor intermediate-range ballistic missile. The first successful Delta launch was NASA's Echo 1A satellite Aug. 12, 1960.

Over time, the Delta rocket evolved into a larger, more advanced vehicle, capable of carrying heavier satellites into orbit. NASA relied heavily on the Delta to boost communications, weather, science and planetary exploration satellites into orbit until 1980. U.S. space policy changed though, with the first launch of the space shuttle in 1981. Delta production came to a halt as NASA made plans to use the shuttle for satellite launches.

However, following the loss of space shuttle Challenger in January 1986, President Ronald Reagan announced that shuttles would no longer carry commercial payloads, opening the way for the return of the Delta rocket. Following a contract from the U.S. Air Force for 20 launch vehicles, the newer, more powerful Delta II version emerged in 1989.

NASA file/1990

An Air Force/McDonnell Douglas launch team supports raising of the first stage of Delta II in the gantry at Launch Complex 17 on Cape Canaveral Air Force Station. This Delta II, with the Roentgen Satellite, or ROSAT, a cooperative space X-ray astronomy mission between NASA, Germany and United Kingdom, launched June 1, 1990.

NASA alumnus Skip Mackey was a data manager in Hangar AE. He supported every Delta launch, including the first 10 years of Delta II missions, before he retired.

"The Delta evolved over many years, and there were only minor differences in the version that emerged after the Air Force started running the program," Mackey said. "McDonnell Douglas, the rocket manufacturer, used the NASA hardware in Hangar AE for independent data monitoring by McDonnell Douglas engineers."

The first NASA payload launched on the resurrected Delta II vehicle was the Roentgen Satellite, or ROSAT, an X-ray observatory. The satellite, developed through a cooperative program between Germany, the United States and the United Kingdom, launched June 1, 1990. After a successful career, ROSAT was deactivated Feb. 12, 1999.

Other notable NASA missions launched on Delta II vehicles include the Mars Exploration Rovers Spirit and Opportunity; Deep Impact, the first mission designed to probe beneath the surface of a comet; and MESSENGER, now on its way to becoming the first spacecraft to orbit the planet Mercury.

The manufacture of the Delta vehicles passed to The Boeing Company following the merger of McDonnell Douglas and Boeing in 1997. In December 2006, Boeing and Lockheed Martin combined their Delta and Atlas expendable launch vehicle businesses, forming the United Launch Alliance, or ULA. Today, ULA provides launch services to U.S. government customers, including NASA, the Air Force and National Reconnaissance Office, as well as commercial customers.

NASA's latest use of the Delta II was for the launch of the NOAA-N Prime weather satellite Feb. 6 from Vandenberg Air Force Base in California.

NASA's Eric Anderson, chief of Ground Systems Integration for Kennedy Space Center's Launch Services Program, or LSP, said: "The LSP team supported the NOAA-N Prime launch from the Launch Vehicle Data Center in Hangar AE, transmitting downrange telemetry through ground lines to a facility at Vandenberg on the Western Range. We picked up the data from the Malindi Ground Station in Kenya, Africa.

"Providing support from Hangar AE keeps some members of the team from having to travel, saving NASA both time and money. We also allow some subject-area experts to follow the mission from the Launch Vehicle Data Center so they can stay more closely involved."

NASA plans to launch the Kepler spacecraft aboard a Delta II next month, as well as the Gravity Recovery and Interior Laboratory, or GRAIL, mission in 2011.

To date, there have been 138 successful launches of the very dependable Delta II vehicle.

From **COUNCIL**, Page 1

and noted that NASA currently is conducting an internal review.

Milgram's presentation also focused on NASA civil servants and the importance of maintaining in-house technical capabilities in science and engineering, which is 61 percent of the agency's work force. The committee recommends NASA determine whether the current co-op program is working to recruit the best and brightest on a national scale.

Ford said that the council's recommendations will be reviewed by NASA, and many previous recommendations have been implemented. The council will meet again in April.

Show what you do in prime time

Emmy award winning Myth Merchant Films, in partnership with NASA, United Space Alliance and PBS-WETA is developing a four-to-six hour series for prime time television on the Space Shuttle Program, tentatively called "Final Countdown: The Last Flight of the Space Shuttle."

To mark the retirement of the shuttle in 2010, they are creating a film legacy to mark not only the last flight itself, but the entire shuttle program as well. During the course of more than a year, they will follow interesting individuals and their work within the space program – including crane operators, medical scientists to astronauts, aeronautical engineers and every job and person in between. They are looking for the stories behind the operation of the space shuttle that have never been told before; those remarkable jobs and people the public never hears about – but should.

If you think you have a "personality for TV" or a compelling, but underrepresented job that deserves the public's attention, they are accepting all ideas and submissions. With a small, non-invasive film crew of just three, they will begin in the third of fourth quarter of this year and continue production until the final shuttle mission touches down.

Send your character or story ideas directly to Mary Ann Chevalier, KSC Media Services, at: **Mary.A.Chevalier@nasa.gov.**

Looking up and ahead

Target Feb. 24	Launch/VAFB: Taurus XL, OCO; 4:51:30 a.m.
No earlier than Feb. 27	Launch/KSC: Discovery, STS-119; 1:32 a.m.
Target March 5	Launch/CCAFS: Delta II, Kepler; 10:48 p.m. EST
March 7	KSC All-American Picnic, KARS Park I
April 24	Launch/CCAFS: Atlas V, LRO/LCROSS; TBD
No earlier than April 28	Launch/CCAFS: Delta IV, GOES-O; TBD
No earlier than May 5	Launch/VAFB: Delta II, STSS-ATRR; TBD
Target May 12	Launch/KSC: Atlantis, STS-125; 1:11 p.m.
Target May 15	Launch/KSC: Endeavour, STS-127; 4:52 p.m.
Target July 11	Launch/KSC: Ares I-X test flight/Launch Pad 39B; TBD
Target Aug. 6	Launch/KSC: Atlantis, STS-128; TBD
No earlier than Oct. 1	Launch/VAFB: Taurus, Glory; TBD
No earlier than Oct. 8	Launch/CCAFS: Atlas V, SDO; TBD
Target Nov. 12	Launch/KSC: Discovery, STS-129; TBD
Target Dec. 10	Launch/KSC: Endeavour, STS-130; TBD
Target Feb. 11, 2010	Launch/KSC: Atlantis, STS-131; TBD
Target April 8, 2010	Launch/KSC: Discovery, STS-132; TBD
Target May 31, 2010	Launch/KSC: Endeavour, STS-133; TBD

WORD ON THE STREET

What attributes would you most like to see in the new NASA administrator?

"I'd like to see him or her focus on the space shuttle and International Space Station."
Don Lovelace, with United Space Alliance

"I'd like to see someone who is especially concerned with our job security."
Otis Deal, with NASA

"I'd like to see him beat the street and come see what happens out here."
Debbie Durbin, with Commercial Siding and Maintenance Co.

"Qualifications, expertise and someone who has been around the space program."
Debbie Wilson, with United Space Alliance

"I'd like him or her to not depend on other countries getting us to the space station."
Philip Harner, with United Space Alliance

John F. Kennedy Space Center

Spaceport News

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