



July 27, 2006

on-line

<http://www.lockheedmartin.com/michoud/>

# Mission Success Bulletin



## STS-121/ET-119 success a high for space program

*Positive mood permeates workforce as next flight planned for August*

Lockheed Martin and NASA employees at the Michoud Assembly Plant continue to bask in the warm glow of success after the STS-121 crew of six safely returned to Kennedy Space Center on July 17.

The mission was exactly what the workforce needed – a positive exclamation mark after long months of grinding work, self examination regarding foam performance and the aftermath of Hurricane Katrina.

When *Discovery's* wheels touched down, a new "we can do it" mood seemed to prevail over workers. STS-121 was a big win.

Perhaps NASA ET Deputy & Resident Manager **Don Noah** said it best when he told

employees at a General Assembly this past week. "You should be very proud of the accomplishments that you've made over the past year, especially proud of the recent success of STS-121. What a great mission. That success was in no small part to the outstanding performance of ET-119."

Noah said he recognized that it had been a long three years, and he asked employees to relay his thanks to their families for the very long hours that the job sometimes required.

Lockheed Martin ET Program Manager **Wanda Sigur** said *Discovery* flew with the fewest problems in recent memory. "The fact that this launch occurred was truly a tribute to the Michoud organization. It represented a heroic effort. And I hope all of you recognize how significant your contributions were."

Sigur noted that *Discovery's* heat shield had no problems despite seven



STS-121 Mission Specialists Lisa Nowak and Mike Fossum inspect *Discovery's* heat tiles for any damage after landing.

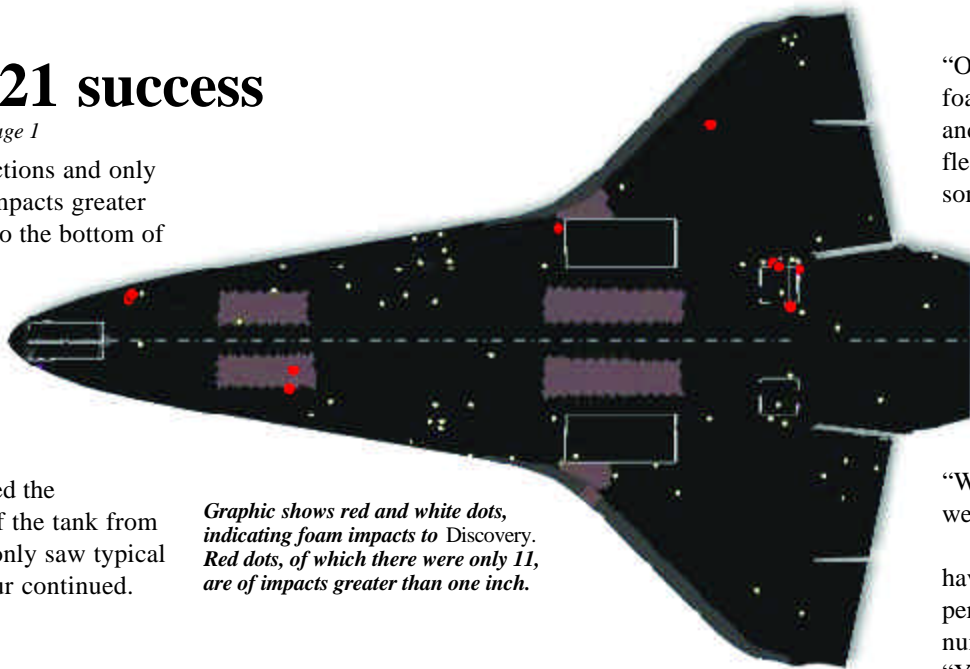
# STS-121 success

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intricate inspections and only sustained 11 impacts greater than one inch to the bottom of the vehicle compared to an average of 21. "I think I'd call that a success," she understated.

"We assessed the performance of the tank from tip to toe and only saw typical erosions," Sigur continued.

*Graphic shows red and white dots, indicating foam impacts to Discovery. Red dots, of which there were only 11, are of impacts greater than one inch.*



"Obviously, the tank and its foam are going through space and you're going to see some flecking, some popcorning, some ablation. That's all we really saw on much of the tank. Everything that we've looked at so far is within our predictions."

In terms of foam loss, Noah summed it up later, simply stating, "Well within requirements, well below the expected loss."

Other NASA officials also have complimented the tank's performance and the small number of Orbiter impacts. "You had to look hard to see any dents," said Shuttle Launch Director **Mike Leinbach** after visually inspecting *Discovery's* underbelly.

NASA Associate Administrator for Space Flight **Bill Gerstenmaier** referred to *Discovery* as the cleanest vehicle he's seen in a while. And NASA Administrator **Michael Griffin** declared, "As good a mission as we've ever flown."

Looking ahead, the shuttle manifest is a crowded one. STS-115/ET-118 rolls to the pad next week, with another mission set for December. Five more flights are scheduled for 2007.

As Bill Gerstenmaier reminds all who work on the shuttle, look into the early morning sky (see ISS sighting chart on page 4). That moving star is the space station, and all who had a part in getting it up there and keeping the astronauts safe should feel proud. ■



*Space Shuttle Atlantis is mated to the External Tank-118/Solid Rocket Boosters stack at Kennedy Space Center this week. Next step is the day-long, 4-mile rollout to the pad on July 31 or August 1. NASA is also considering moving the scheduled August 28th launch of STS-115 up by one day to Sunday, August 27.*

# Michoud connected to three COTS teams

There is more to new business prospects at Michoud Operations than the Crew Exploration Vehicle (CEV), the Crew Launch Vehicle and the Heavy Lift Launch Vehicle.

One program that hasn't been discussed as frequently is Commercial Orbital Transportation Services or COTS. Announced in January of this year, the \$500 million NASA program out of Johnson Space Center invited private firms to submit proposals to demonstrate the capability to deliver cargo



and perhaps even crew to the International Space Station.

After years of keeping orbital transport for human spaceflight in-house, NASA

decided that firms in the marketplace could develop and operate COTS more efficiently and affordably.

"It's like going to Avis and renting a car," says **Bob Simms**, director, Program Management & Advanced Programs. "NASA wants to buy commercial services from these companies to take cargo to the space station."

According to media reports, NASA trimmed the list of companies who submitted COTS proposals to six finalists -- Andrews Space, Rocketplane Kistler, Space Dev, Space Exploration Technologies or SpaceX, SPACEHAB and Transformational Space Corporation. The agency is now negotiating with each and discussing strengths and weaknesses of each proposal with the respective company.

Those competing for COTS were requested to address Earth to orbit demonstrations for external and internal cargo delivery and disposal, internal cargo delivery and return to Earth, and crew transportation.

NASA is expected to down select to two companies by mid to late August. The agency wants to see a demonstration flight by 2010, but one or two companies could possibly fly before 2010. Along the way, COTS winners must be able to meet technical milestones and attract private financing on the open market to further develop their operational system.

At the July 19th General Assembly, Vice President &

General Manager **Marshall Byrd** said Michoud has aligned itself with three of the finalists, but for competition-sensitive reasons, did not name them.

Simms explained that Lockheed Martin's role would be as a merchant supplier or sub-contractor if one of the companies with which we are working wins the competition.

"We would provide major sub-assemblies in the structures and propulsion area at Michoud," explains Simms. "We wouldn't just be building parts; there would be design work too."

To deliver the COTS cargo vehicle to the space station, some of the COTS proposals plan to use reusable vehicles; others will utilize existing boosters. Simms thinks those competing might also see a market in space tourism or in private research and development -- for example, drug research.

He believes Michoud stands a decent chance of getting some COTS work. "We operate in a NASA facility, these companies know the quality of the work we do here, and some want to help the area rebuild from Katrina and take advantage of the Gulf Opportunity Zone investment and tax incentives."

Regardless, COTS would be a good fit for Michoud employment -- as the shuttle program ends and before the CEV begins flying. If current plans do not change, NASA may announce both the CEV and COTS winners in August. ■



# Honorees visit KSC for STS-121 launch



*Pictured before the shuttle stack, 14 employees were honored for their outstanding performance and invited to attend the STS-121 launch at Kennedy Space Center. Front row from left: Rick Zerkus, Dawn Leggio, Susan Blanchard, Denise Clayton, Dave Rodrigue and Fred Ubas. Back row: Jimmy Doll, Matt Holcomb, Glen Gilmore, Willie Howard, Jason Holbrook, Jimmy Blevins, Jon Sharpe and Kevin Monteleppe.*



*NASA Administrator Michael Griffin asked that members of the Hurricane Katrina Ride-Out Crew be invited to a shuttle launch as distinguished guests. Here, the first group has an honorary front-row seat at KSC. Remaining crew members will be invited to upcoming shuttle launches in August and December. Front row from left: Fred Castle, Ron Adams, Richard Treat, Steve Roshto and Royal Holland. Back row: George Rogers, Pat Shea, Steve Turner and Paul Herrin.*

## Space Station sighting information

Date	Time	Duration	Maximum Elevation in degrees	Approach - degrees & direction	Departure - degrees & direction
Thursday, July 27	5:23 a.m.	3 minutes	49	20 above WSW	31 above NNE
Friday, July 28	5:46 a.m.	3 minutes	14	11 above WNW	11 above N
Saturday, July 29	4:36 a.m.	Less than 1 minute	40	40 above N	32 above NNE
Sunday, July 30	4:58 a.m.	2 minutes	14	14 above NW	10 above N
Tuesday, Aug. 1	4:10 a.m.	Less than 1 minute	10	10 above N	10 above N

For sighting information go to <http://spaceflight.nasa.gov/realdata/sightings>

## Congress salutes Ride-Out Crew

This week the U.S. House of Representatives adopted a resolution commending members of the Michoud Ride-Out Crew "who risked their lives during Hurricane Katrina's assault on southeast Louisiana, and kept the generators and pumps running to protect the facilities and flight hardware, and whose dedication kept the Michoud Assembly Facility an island of dry land, which made it possible to resume External Tank production less than 5 weeks after the storm passed." ■

# Neighborhood planning efforts under way

The New Orleans City Council recently hired Lambert Advisory LLC and SHEDO LLC to help develop reconstruction plans for 50 neighborhoods heavily flooded by Hurricane Katrina.

also place major emphasis on incorporating on-going neighborhood planning efforts as well as other neighborhood-driven plans that were prepared prior to Hurricane Katrina.

leaders in your community involved in rebuilding and planning efforts, go to <http://www.nolanrp.com/neighborhood.php>

For a calendar of upcoming neighborhood planning meetings, go to [http://www.nolanrp.com/neighborhood.php?page\\_title=Neighborhood%20Meeting%20Schedules](http://www.nolanrp.com/neighborhood.php?page_title=Neighborhood%20Meeting%20Schedules)

For an overview of the recent city advisory planning team presentation to city officials regarding housing redevelopment challenges and policy response post-Katrina, go to <http://www.nolanrp.com/Data/CityInfo/Housing%20Redevelopment%20Presentation%20to-%2007.13.06.pdf>



Residents from 50 of the city's 73 neighborhoods will work with the advisory planning teams to craft individual redevelopment plans for their communities. One of the key goals of the neighborhood recovery process is to make neighborhoods habitable and to obtain and improve upon conditions that existed prior to Katrina.

Planning consultants have discovered -- beyond basic street and infrastructure improvements -- that the public improvement needs of New Orleans East, Lakeview or Gentilly are quite different from those of Gert Town, Lower 9th or Central City neighborhoods.

The plans will recommend reconstruction strategies and a redevelopment vision for each community. The plans will

Experienced city planners, urban designers, architects, and other support personnel serve as a resource to the neighborhoods and will help shape each plan. The plans, once completed and validated by each neighborhood, will be consolidated into a single format that will serve as the basis for submission to the state and federal government for funding.

The Rebuilding Plan for the City has a focused objective: "Work with neighborhoods to develop revitalization plans that are thoughtful, can be implemented, and formed into a citywide recovery and improvement plan for submission to the state and federal government."

To find out about your neighborhood and get in touch with other neighborhood

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## Neighborhood association links

Many neighborhood planning efforts are already under way. To see details of their efforts and neighborhood association websites, go to <http://www.neighborhoodlink.com/neworleans/>

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## The Road Home recovery plan

Gov. **Kathleen Blanco** developed The Road Home Program -- the largest single housing reconstruction program in U.S. history -- to help residents get back into a home or apartment as quickly and fairly as possible. The website offers homeowners details about the program and tools and resources (information for renters is coming soon). <http://www.doa.la.gov/cdbg/dr/Housing%20Action%20Plan%20No%202%20FINAL.pdf>

## Rebuild resources – parish by parish

### St Tammany Parish

Parish President **Kevin Davis** has extended the deadline to submit applications for private property debris removal and demolition through July 31. Citizens who may be eligible for this program need to apply as quickly as possible.

The parish has retained the CDM Company to administer the program. Applicants must provide documentation of insurance, any payments received, damages, etc., and contact CDM by the end of July.

CDM has temporary offices on Koop Drive near the Parish Government complex. CDM will process applications, but FEMA will make final determination of eligibility for the program. Parish officials have no authority over eligibility.

For more information about the program and specific requirements, contact CDM at 985 898-3080. For St. Tammany Parish recovery updates, go to <http://www.stpgov.org/>

For more information on St. Tammany hurricane preparedness and disaster planning, go to [http://www.stpgov.org/eoc/hurricane\\_preparedness.html](http://www.stpgov.org/eoc/hurricane_preparedness.html)

### Jefferson Parish

Parish President **Aaron Broussard** invites all residents to review draft chapters of the revised Jefferson Parish Emergency Operations plan.

For a detailed look at the plan in development, go to <http://www.jeffparish.net/index.cfm?DocID=5040>

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## Rebuild resources

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Is your family prepared for the next hurricane? Jefferson Parish has supplied guidelines for a family disaster supply kit. There are six basics that you should stock in your disaster supply kit: water, food, clothing and bedding, first aid supplies, tools and emergency supplies, and special items. <http://www.jeffparish.net/index.cfm?DocID=5042>

Additionally, Jefferson Parish has provided a comprehensive disaster

planning information resources online. To find out more hurricane and flood preparedness information, go to <http://www.jeffparish.net/index.cfm?DocID=1531>

### St Bernard Parish

The Home Expo will feature modular home concepts from 9 a.m. to 3 p.m. Saturday, July 29 in a tent behind the St. Bernard Parish government building. Approximately 2,000 linen sets will be given away from 4 to 9 p.m. in Chalmette on Thursday, July 27. <http://www.sbp.org>

[cannizaro072406b.html](http://www.sbp.org/cannizaro072406b.html)

Parish Councilman **Mark Madary**, who organized the Expo, said it is important that residents having their storm-damaged homes demolished receive information on ways to quickly rebuild new homes or they will be tempted to live elsewhere. For more parish rebuilding updates, including a list of most recent demolition request lists, go to <http://www.sbp.org>

### Plaquemines Parish

The parish government has established August 1, 2006 as

the final date for all Right of Entries to be signed. Homes and businesses will be demolished and sites cleaned for anyone signing a Right of Entry by that date.

Structures that have not been demolished because Right of Entries were not signed will be placed on a blighted property list, and owners may be charged a fee for cleanup.

For more information on the right of entry deadline and additional hurricane recovery information, go to <http://www.plaqueminesparish.com/hurricaneinfo.php> ■

# Computer champion requests area schools assistance

*Event requires turn-out to turn-on*



Since 1996, **Alfred Donaldson**, team lead engineer for Facilities' Critical Systems, has made the Herculean effort to donate thousands of computers to

New Orleans schools.

Under the auspices of Computers for Learning (CFL), administered by the Government Service Accounting Office, which matches computer needs of schools and educational non-profit organizations with excess equipment from Federal agencies, Donaldson has delivered over 900 computers a year to area schools for the past four years. He achieved this feat often working alone or with a few core volunteers.

Even though Katrina wiped out all his efforts along with most of the schools, he is already working to replenish supplies with over 270 computers that he personally tracked down and transported

for distribution to the schools.

Despite having to rebuild his own home after the storm, Donaldson is determined to get these computers ready for the school year, which begins in August. No longer able to do it on his own, he's looking for fellow employees to come to the rescue.

"You don't have to be a computer guru to participate in this effort," assures Donaldson. "There's something for everyone to do. We need people to move computer components at the schools, separate cables, install software, get lunch, assist with logistics, etc."

The next volunteer event is Saturday, July 29 at Lake Forest Elementary School (formally Gaudet Elementary) at 12000 Hayne Blvd. Volunteer shifts are 8 a.m. to noon or 12:30 to 4 p.m. Please contact Alfred at 7-1460, cell phone 756-1228 or e-mail him with your shift preference.

"When the kids came back, what few resources they

had had been washed away, but the challenges of LEAP testing remain," he explains. "So I decided to get back to my volunteer work while

rebuilding my house. Katrina has had such a huge impact on my life that I really thought I would not have the time, but I made time for the kids." ■

## Rebuilding? Get involved and get organized!

Having trouble getting the City Council or your government entity to heed the needs of your neighborhood organization post-Katrina?

The Park View neighborhood near City Park (Orleans Parish, District 5) is reaping the benefits of repairs because the group practices the following principles:

- **JOIN** your neighborhood or district association
- **VOLUNTEER** to be a block captain
- **ADVOCATE** it if your organization doesn't have captains
- **ESTABLISH** surveys addressing the most pressing needs (broken street lights, drainage, utility meters, street potholes and broken sidewalks, lack of utilities, garbage pickup, etc.)
- **UTILIZE** block captains to fill out surveys and send them to your councilperson
- **TRACK** the surveys electronically; ask your neighbors to volunteer computer services
- **CONVERSE** with your neighbors about joining or coming together as one group ■

## Milestones *Employees celebrating anniversaries with Lockheed Martin in August 2006*

### 35 years

Robert Campbell

### 30 years

William Bickham

Kay Gasery

Lloyd Johns

Jack Maxwell

David McCall

Phillip Nameth

Tommy Navarino

Richard Oramous

Philip Terranova

### 25 years

Charlie Arrington

Robert Atkins

Steven Barrere

Lloyd Breedlove

Douglas Burrell

Eric Champagne

Ronald Clark

Carl De Land

David Dorn

Curtis Doucette

Donna Flower-Kraft

Herbert Ivins

Timothy Iwanczyk

Robert James

Thomas Kilroy

James Lasecki

Alvin Lewis

Mohammed Masoodi

Vincent Morales

Carlton Pearl

John Quintini

Roy Steinbock

Arthur Stock

Ralph Tortorich

Bonnie Townley

Matthew Wallo

Charles Whitman

Willie Whittington

Steven Wilson

### 20 years

Dale Mahnke

Mary Officer

### 10 years

James Cenance

Chad Dragon

Marcy Dunn

Richard Pitre

Karen Richardson

Alden Roche

Robert Shoap

Riki Takeshita

Wallace Twichell

## It's National Night Out Against Crime!

The 23rd National Night Out, a crime and drug prevention event sponsored by the National Association of Town Watch (NATW), is Tuesday, August 1. The organization is inviting area neighborhood associations and the community to be part of the Night Out 2006 team.

As part of the kick-off, N.O. residents will be asked to send a message to criminals letting them know that neighborhoods are organized and fighting back.

Along with the traditional display of outdoor lights and front porch vigils, cities,

towns and neighborhoods celebrate Night Out with a variety of events and activities such as block parties, cook-outs, visits from local police and sheriff, flashlight walks, contests and youth programs.

If you belong to a neighborhood association that hasn't registered to host a Night Out for August 1, you can do so at <http://www.nationalnightout.org/nno/reg.html> After registering, you'll receive an organizational kit filled with "how-to" materials to start your own event. ■



## NOLA Ready

The City of New Orleans has prepared a new website with emergency preparedness information for this hurricane season. The site includes

information and checklists on ways to prepare your family for an emergency: <http://secure.cityofno.com/Portals/NolaReady/> ■