

# STS-114



# Return to Flight Expo

**Date**  
Saturday, August 6, 2005

**Event**  
Self-guided tour of the External Tank production facility featuring Return to Flight presentations, foam and cryogenic demonstrations, astronaut presentations, a NASA "moon rock" and much more.



**Time**  
9 a.m. – 3 p.m. *No admission on self-guided tours after 1 p.m.*

**Presentations**  
Meet astronaut Tony Antonelli and his family at 11:30 a.m., 12:30, 1:30 and 2:30 p.m. on band stage

**Music**  
*The Boogie Men* from 11:30 a.m. – 2:30 p.m.

**Food Service**  
Free hot dogs, chips and drinks in Food Tent A to 3 p.m.

**Entry Information**  
Only U.S. citizens or valid Green Card holders allowed entry. Vehicles with badged employee and MAF windshield stickers. All vehicle passengers must wear seat belts. The self-guided tour is 1.5 miles so wear comfortable shoes. Still/video cameras allowed in designated areas only. *Bring this tour map with you as others will not be available.*

**Prohibited Items**

- Ice chests
- Food
- Drink
- Skates
- Skateboards
- Bicycles
- Wagons
- Scooters
- Outdoor toys
- Backpacks
- Alcohol
- Drugs
- Weapons

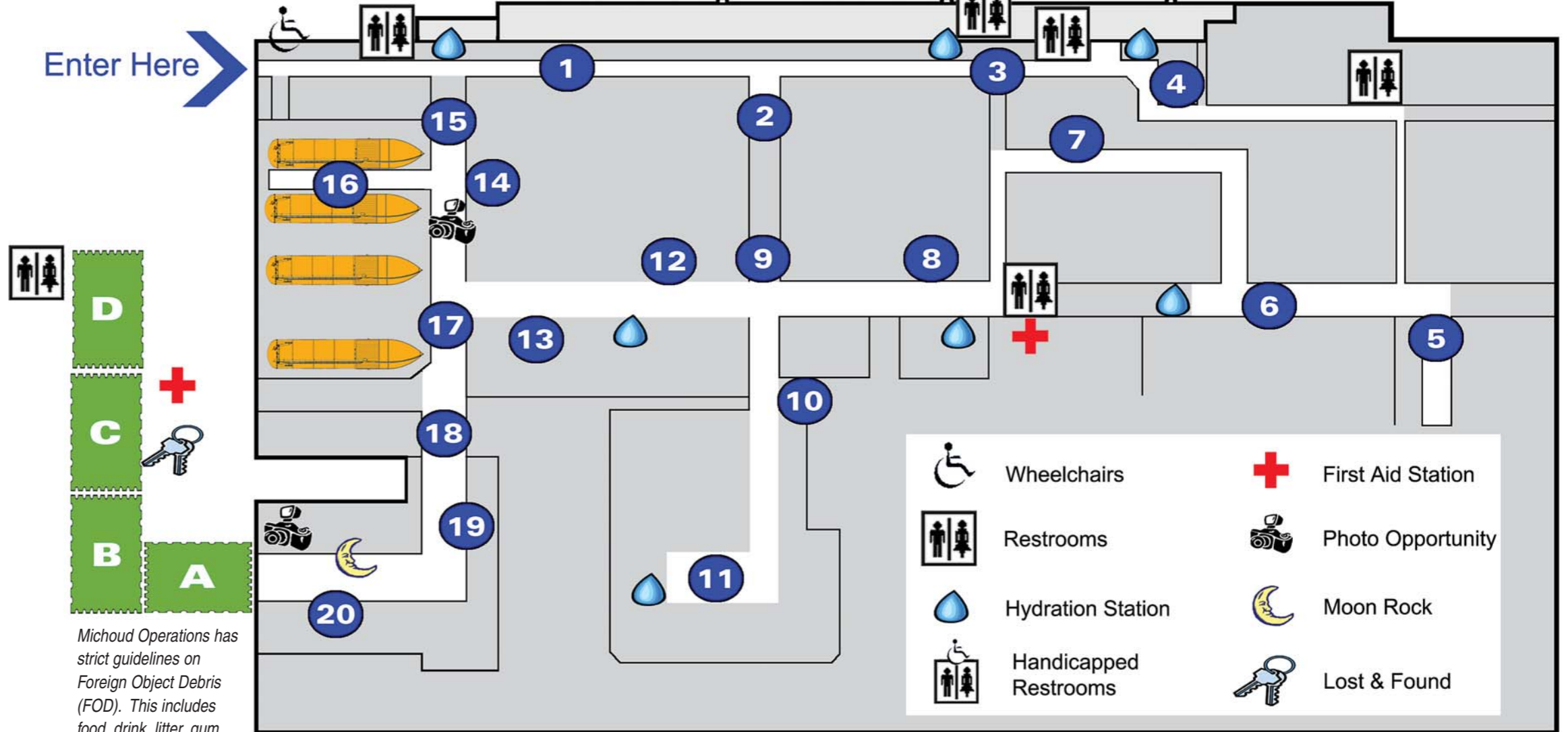
*Employees are responsible for those persons they bring onto the facility.*



LOCKHEED MARTIN



Enter Here



*Michoud Operations has strict guidelines on Foreign Object Debris (FOD). This includes food, drink, litter, gum, etc. Please adhere to all FOD rules.*

### Service Tents

- A** Food Service
- B** Dining Tent
- C** Dining & Displays
- D** Dining/Musical Entertainment

### Safety

*In case of emergency, please locate the nearest event staff member wearing an orange STAFF shirt or dial (504) 257-2333*

### Tour Stops

- |   |   |
|---|---|
| <b>1</b> Michoud History/Human Resources          | <b>11</b> Friction Stir Weld                                |
| <b>2</b> Space Shuttle Overview/ET by the Numbers | <b>12</b> ET Major Weld                                     |
| <b>3</b> Facilities City within a City            | <b>13</b> Transportation & Handling                         |
| <b>4</b> 3-D Model Room                           | <b>14</b> Ballistic Impact Testing                          |
| <b>5</b> New Technology Area                      | <b>15</b> Return to Flight Theater                          |
| <b>6</b> Intertank & Bolt Pre-Load Demo           | <b>16</b> ET Final Assembly & RTF Modifications             |
| <b>7</b> ET Dome Welding                          | <b>17</b> Thermal Imaging Demo & STS-114 ET Imagery         |
| <b>8</b> ET Ogive Welding                         | <b>18</b> Non-Destructive Evaluation                        |
| <b>9</b> Information Technology Systems           | <b>19</b> Thermal Protection Systems Spray Equipment & Demo |
| <b>10</b> Foam/Cryogenics Demo                    | <b>20</b> "Moon, Mars, & Beyond" Display & Moon Rock        |



**Launch honorees recognized at KSC**  
 Being named a launch honoree is one of the highest awards an employee can receive at Michoud Operations. The STS-114 honorees pose beside the Return to Flight shuttle stack during the week of the first launch attempt at Kennedy Space Center. Kneeling from left are Lou Davis, Nate Williams and Rob Gravolet. Back row: Cheryl Iwanczyk, Jo Ann Lyons, Kevin Aldrich, Terry Burke, Cynthia Spraul, Roy Steinbock, LaSonya Merrill, Alex Kooney and Terry Marsh. ■

## Milestones

*Employees celebrating anniversaries with Lockheed Martin in July and August 2005*

### 30 years

Cyril Augustin  
 Henry Brandow  
 Marie Cousin  
 Richard Harris

William Fisher  
 Brenda Hopkins  
 Ronald Howard  
 Kenneth James  
 David Soden

Carl Exline  
 Glendon Fleming  
 Karen France  
 Brian Larsen  
 Phillip Martin  
 Robert Mckenzie  
 Elliot Perret  
 David Rutherford  
 Richard Schmidt  
 Rodney Spence

Bruce Vallelungo  
 Nolan West

Michael Morgan  
 Son Nguyen

### 25 years

Kevin Aldrich  
 Michael Campbell  
 Terry Coleman  
 Robert Dossett

### 20 years

Jack Brown  
 Dawn Diecidue-Conners  
 Stephen Ehrlicher

### 15 years

Kenneth Barkman  
 Rex Blanchard  
 William Gause  
 Holly Hebert  
 Kris Keller  
 Christian Labat

### 10 years

Joseph Arves

### 5 years

Marleece Barber  
 Debbie Johnson  
 Shane Southern  
 Judy Woods

## Mission Success Bulletin

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**Editor:** Harry Wadsworth

**Graphics, Photography:** Kevin Barré,  
 Lindsey Thornhill and Horace Williams

**Contributors:** Gordon Dyer and Shannon Jurado

*Cover photo: STS-114 launches on July 26, 2005*

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### Astronaut presents six new Snoopies

Leroy Chiao (center) presented Silver Snoopies to Nathaniel Roche (from left) for safe shipment of hardware, tooling and test articles; Ronnie Clark, Paul Cooper and Jim Blevins for RTF support; Ken Mayfield for leading water plant environmental operations; and Scott Lancaster for excellence in ET cost management. ■