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Robotic arms move, install third stowage platform

◆ **Mission Update:** In a first for the International Space Station, astronauts on Tuesday installed a 7,000-pound storage platform using only the station and shuttle's robotic arms. The installation of two previous storage platforms, one on the Destiny laboratory and the other on the Quest airlock, required the help of spacewalking astronauts.

Mission Specialists Tracy Caldwell and Barbara Morgan were inside at Endeavour's controls as the shuttle's robotic arm lifted the storage platform from the cargo bay to hand it over to the station's robotic arm. Pilot Charlie Hobaugh and station Flight Engineer Clay Anderson then used the station arm to attach the 13-by-7-foot platform to the station's Port 3 truss at 11:18 a.m.

This is the station's third external stowage platform and it holds critical spare parts, including a control moment gyroscope, a nitrogen tank assembly and a battery charge/discharge unit.

◆ **ISS Update:** NASA has added a new computer program to help monitor the four gyroscopes that keep the International Space Station properly oriented without the use of rocket fuel. During a spacewalk on Monday, two astronauts from the Space Shuttle Endeavour removed and replaced a gyroscope that failed in late 2006.

Computer scientists at NASA's Ames Research Center at Moffett Field in California designed the new software for the space station. The inductive monitoring system will be added to a group of existing tools to identify and track problems related to the gyroscopes.

The software program also has been

New gyroscope working on space station

used in F-18 fighter planes and by the space shuttle's leading edge impact detection system, as well as for electric power plant and water quality monitoring.

■ **Cleaning Up the Coast** — As part of the International Coastal Cleanup Campaign, "Keep Brevard Beautiful" hosts the FPL Coastal Cleanup in Brevard County. The cleanup is scheduled from 8 a.m. to noon on Sept. 15.

There are 15 check-in sites throughout Brevard County from the Sebastian River State Park to Haulover Canal in the Merritt Island National Wildlife Refuge along the coast, and from Grant to Titusville along the Indian River Lagoon (spoil-island cleanups that need boats to assist).

Brevard County sites that desperately need your help (BN = boats needed):

- ◆ Marina Park, Titusville (BN)
- ◆ Haulover Canal, MINWR
- ◆ Kelly Park, Merritt Island (BN)
- ◆ Cherie Down Park, Cape Canaveral
- ◆ Sheppard Park, Cocoa Beach
- ◆ Lori Wilson Park, Cocoa Beach
- ◆ Ramp Road Park (BN)
- ◆ Pier/Central, Patrick Air Force Base
- ◆ Jon Jorgensen Landing, Grant (BN)
- ◆ Pelican Beach Park, Satellite Beach
- ◆ Howard Futch Park, Paradise Beach
- ◆ Ocean Ave. Beach, Melbourne Beach
- ◆ Coconut Point Beach, Melbourne Beach
- ◆ Sebastian River State Park

For more information, go online to www.keepbrevardbeautiful.com.

■ **The KSC Annual Indoor Triathlon Runs Aug. 13 – Sept. 14.** Do you want to feel better about yourself? Do you like how you feel after accomplishing a goal? Are you ready to take the ultimate summer challenge? This event is open to all individuals,* not just fitness fanatics.** The triathlon comprises biking, rowing and walking or running. The KSC Fitness Centers offer numerous categories of participation within two separate series:

Masters Series: Non-stop competition in either the sprint or distance triathlon from event to event – even rest time counts!

Novice Series: Complete each event for either the sprint or distance triathlon on a separate day and add all three of your best times together at the end!

* *Within each series, you can either compete in the individual sprint or distance triathlon, or the team (co-ed, all male, or all female) sprint or distance triathlon.*

** *You can participate at any intensity level as many times as you desire.*

■ **Safety First** — If you have identified an unsafe condition or hazard on center, report it to your supervisor and, if necessary, to the appropriate trouble-call organization for corrective action: SGS Duty Office, 853-3231, or USA Trouble Call Desk, 861-6342.

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