

Radar antennas pass tests for use with Shuttle launches

▲ **Shuttle Update:** Radar antennas (seen below) were installed north of the Haulover Canal prior to the MESSENGER launch in August to prove their value for use during Space Shuttle launches. The C-band and X-band radars provided promising results for observing almost any possible debris during ascent of the Space Shuttle and enabling observation without regard to limitations of visibility, cloud cover and darkness. The use of this technology is part of NASA's initiative to return the Shuttle to flight.

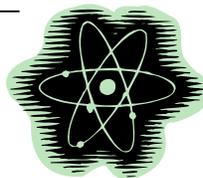


▲ **Last Call:** Midnight Sunday is the deadline for entries in the NASA Values Essay Contest. Essays should be e-mailed as a Word document to ValuesEssayContest@nasa.gov by that time. Just write a short essay of **300 words or less** about one of the NASA Values: Safety, The NASA Family, Excellence, or Integrity, describing what the Value you have chosen means to you, and include an example of how that Value has been demonstrated here at KSC.

For more information about prizes and contest rules, go to the Star Alignment Team Web site <http://www.ksc.nasa.gov/nasa-only/SAT/index.htm> and select the Essay Contest link, or contact Michael Bell at 867-3312.

■ **Reminder** — The ISS news conference is being broadcast on NASA TV at 2 p.m. Friday. Employees who would like to submit questions in advance may send them to isscoteam@ems.jsc.nasa.gov.

■ **NASA Science** — The radiation that astronauts encounter in deep space could put vital blood-making cells in jeopardy. Could this be a problem for astronauts en route to Mars? Go to http://science.nasa.gov/headlines/y2004/19aug_blood.htm to read the full story.



■ **Return From Space** — In a dramatic ending that is just the beginning of scientific research, NASA's Genesis spacecraft is set to swing by Earth and jettison a sample return capsule filled with particles of the Sun that may ultimately tell us more about the genesis of our Solar System.

On Sept. 8, over the skies of central Utah, the spacecraft's sample return capsule will be snagged in

Deadline is Sunday for Values Essay Contest

midair by helicopter. (see photo below). The rendezvous will occur at the Air Force's Utah Test and Training Range, southwest of Salt Lake City.



More detailed background on the Genesis mission is available at <http://genesismission.jpl.nasa.gov>, including a countdown clock ticking away the estimated time until mid-air capture.

■ **Did You Know? 2004 KSC Fitness Centers Intercenter Walk/Run** begins 5 p.m. Sept. 14 at the Shuttle Landing Facility. The 2-mile walk or run, 5K run and 10K run are **free** for all Spaceport employees. Pre-register at either Fitness Center by Sept. 10; late registration will be available at the race. The order deadline for T-shirts is Aug. 31 for delivery before the race. *If you are interested in being a volunteer, please call Debra Orringer at 867-7829.*