Subject: Next week's FISO telecon colloquium: "Radiation Studies for a Long-Duration Deep-Space Transit Habitat"
Date: Fri, 26 Oct 2012 12:20:25 -0500
From: Thronson, Harley A. (GSFC-6600) harley.a.thronson@nasa.gov

Folks,

The next scheduled Future In-Space Operations (FISO) telecon colloquium will be Wednesday, October 31, when we will host Lora Bailey (NASA JSC), who will speak on *"Radiation Studies for a Long-Duration Deep-Space Transit Habitat."*

As always, the colloquium will be at 3pm ET and will use our regular FISO telecon number.

The speaker's presentation will be posted on the FISO server at the University of Texas at by noon of the day of the colloquium: http://spirit.as.utexas.edu/~fiso/telecon.htm

And please note that we are now audio-recording the colloquia and archiving the recordings with the presentation materials.

Have a good weekend,

Harley

Lora Bailey : lora.j.bailey@nasa.gov
Lora Bailey has worked in the Engineering Directorate at Johnson Space Center for 26 years and has a Bachelor of Science in Aerospace Engineering from the University of Cincinnati and a Masters in Mechanical Engineering from Rice University in Houston, TX. She has led numerous projects as project manager, having many hardware items that are currently on-board the International Space Station as well as other articles and experiments which were previously flown on the Space Shuttle. She led the post-Columbia return-to-flight effort as project manager for tile repair as well as project manager for repair access in EVA, which led to her innovations in developing a new tile repair method as well as developing the 3-degree-of-freedom simulator of the Space Shuttle robotic arm and 50-foot-long tile-acreage inspection boom. This simulator provided a ground test bed for astronaut evaluation of tile repair feasibility and access, which ultimately proved that tile repair could be performed using the Shuttle robotic arm with the 50-foot boom, and was validated in an on-orbit flight experiment on STS-121 where she served as a Principle Investigator. Her new tile repair method was also adopted and flew on STS-114 and in support of all subsequent Space Shuttle missions though the end of the Shuttle Program. More recently, Ms. Bailey lead the design, manufacturing, and structural test effort as Project Manager for the Morpheus vehicle structure, a full-scale lunar lander structure which has been used to support propulsive hover testing of innovations in liquid oxygen/methane engines as well as new software and GN&C systems. For the last year, she has been serving as the Chief Engineer and Systems Engineering and Integration Lead on the Deep Space Habitat Project for Advanced Exploration Systems.