Opportunities for Low Temperature Research aboard the Space Station

U. E. Israelsen*, R. Ruiz*, M. C. Lee†, and R. Reinkert‡

*Jet Propulsion Laboratory, California Institute of Technology, CA 91109, USA
†NASA Headquarters, Washington, DC
‡Ball Aerospace and Technologies Corporation, Boulder, CO

A cryogenic Space Station facility is being developed by the Jet Propulsion Laboratory and industrial partners to support the microgravity needs of the international scientific community. The facility will be attached to the Japanese Experiments Module’s Exposed Facility and will operate with a 6 month helium cryogen lifetime. Flights of the facility are planned at 2 year intervals starting in 2004 with each flight accommodating multiple scientific experiments. Capabilities, conceptual designs and development plans for the facility will be discussed along with a summary of potential near term flight candidate experiments.

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Contact Author:
Ulf Israelsen
Address:
Jet Propulsion Laboratory
Mailstop 79-3
4800 Oak Grove Drive,
Pasadena, Ca 91109-8099
USA

Fax: (818)393-6383
Phone: (818)354-9255
E-Mail: ulf.e.israelsson@jpl.nasa.gov