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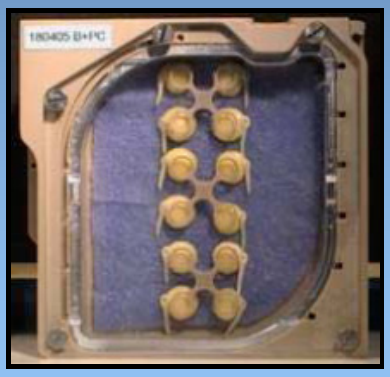
GRAVI-2
Threshold Acceleration for Gravisensing – Part 2

UNIVERSITE PIERRE & MARIE CURIE
LA SCIENCE A PARIS



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GRAVI-2
Threshold Acceleration for Gravisensing – Part 2

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N-USOC: The mission of the Norwegian User Support and Operation Centre (N-USOC) is to provide qualified support to International Space Station (ISS) related life science activities in general and the EMCS in specific.

EMCS: The European Modular Cultivation System (EMCS) is an ESA gravitational biology payload to be operated on board the U.S. "Destiny" Laboratory on the ISS.

GRAVI: The experimental procedure of Gravi-2 is similar to that of Gravi-1, but at the end of the experiment the plants will be chemically preserved instead of being disposed. After the stimulation period, the roots will be chemically fixed in glutaraldehyde to determine the movement of amyloplasts under influence of the stimulation. This analysis will be done on ground by evaluation of the fixed material. The fixation can be performed in “fixers” that are specifically designed for the cultivation chambers.

The GRAVI-2 experimental hardware has been developed by EADS Space Transportation, Friedrichshafen, Germany.

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