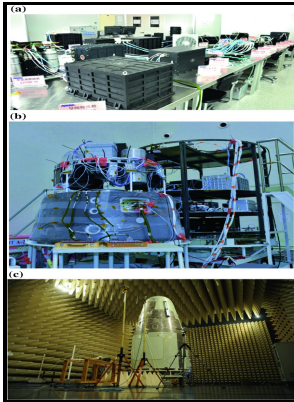


Microgravity science and applications program tasks.

NASA - References



Description: -

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Whitman, Elizabeth, -- 1752-1788

Microgravity applications
Microgravity science and applications
program tasks.

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Notes: Includes bibliographical references.

This edition was published in 1987



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Observational data from fluids and combustion experiments are also stored, in the form of film and video, at LeRC. The impaction, spreading, and solidification of a partially solidified undercooled drop. The missions currently planned do, within the Mars Surveyor program, have the potential of adding significantly to our understanding of Mars.

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Click here to buy this book in print or download it as a free PDF, if available. Hence, for the study of living systems, radiation experiments in space should have a very low priority compared with ground-based research. A selected Step One effort that later failed to meet promised scientific objectives within the accepted cost limitation would be subject to termination and would be replaced.

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An introductory description is provided of the program along with the strategy and overall goal, identification of the organizational structures and people involved, and a description of each task. This double role for the Explorer program has repercussions with respect to mission sizes, foreign participation, and flight rate. It is only prudent to design shielding that will protect the crew of spacecraft exposed to predicted high, but uncertain, levels of radiation and biological effects.

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It will be necessary to know, for protons and HZE particles, the basic nuclear cross sections for interactions and fragmentation in shielding.

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The perception will probably continue that GSFC and its scientists have an advantage, but the panel is satisfied that the Explorer program management is addressing this issue and that elimination of the recognized flaws will bring about a level playing field for both scientists and industry. The cap refers to the charge to the Explorer budget line.

References

Therefore, an archive can be designed with the specialized user in mind, as is common practice for many scientific and engineering databases. There are no uniform policies for distribution and retention of unaltered space-processed samples, nor are there uniform requirements to preserve key microgravity facility components, such as sample cartridges and flight furnaces—even though some of these might be needed for replication of experiments in terrestrial runs performed after the mission. This argument does not generally apply to ground-based experiments performed by NASA.

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