



Distributed Impact Detector System (Dids) Health Monitoring System Evaluation

By -

Bibliogov, United States, 2013. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.Damage due to impacts from micrometeoroids and orbital debris is one of the most significant on-orbit hazards for spacecraft. Impacts to thermal protection systems must be detected and the damage evaluated to determine if repairs are needed to allow safe re-entry. To address this issue for the International Space Station Program, Langley Research Center and Johnson Space Center technologists have been working to develop and implement advanced methods for detecting impacts and resultant leaks. LaRC funded a Small Business Innovative Research contract to Invocon, Inc. to develop special wireless sensor systems that are compact, light weight, and have long battery lifetimes to enable applications to long duration space structures. These sensor systems are known as distributed impact detection systems (DIDS). In an assessment, the NASA Engineering and Safety Center procured two prototype DIDS sensor units to evaluate their capabilities in laboratory testing and field testing in an ISS Node 1 structural test article. This document contains the findings of the assessment.



READ ONLINE
[8.37 MB]

Reviews

Unquestionably, this is actually the very best job by any article writer. I have read and that i am certain that i am going to planning to go through once again once more in the foreseeable future. I realized this publication from my i and dad advised this pdf to find out.

-- **Rusty Hamill Sr.**

The ebook is fantastic and great. I am quite late in start reading this one, but better then never. I am just effortlessly could possibly get a enjoyment of looking at a created ebook.

-- **Mr. Kevin Herzog**