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Space Technology and System Management Practices and Tools (3)

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THE IMPORTANCE OF HERITAGE IN SPACE

Abstract

The importance of heritage in space stems from the valuable collected data and information that can highly impact the duration and effectiveness of future missions. A single satellite mission can provide huge quantity of data that can be used by scientists, analysts, and even engineers. Although archiving these large quantities of data will require space and longer time to locate, they can highly impact the duration of the spacecraft development and the number of modules manufactured in each phase of the mission. By correctly utilizing and understanding the archived data, future missions will benefit from the ease of reviews and the reduced mistakes. This paper explore the different aspects in a space mission that can benefit from the heritage of previous space and exploratory missions.