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**AEROSPACE SPACECRAFT-CHARGING GUIDELINES DOCUMENT**

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A short summary document on spacecraft charging has been prepared for use by engineers in the various Aerospace Corporation program offices that support Air Force Space Division programs. The document outlines the magnetospheric charging environment at near-geosynchronous altitudes, discusses the mechanisms of charging and discharging, and presents statistical results from the P78-2 (SCATHA) satellite engineering experiments. The document is intended to be a layman's source for charging information and for design guidance and criteria.

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