Preface

This report presents DSN progress in flight project support, tracking and data acquisition (TDA) research and technology, network engineering, hardware and software implementation, and operations. Each issue presents material in some, but not all, of the following categories in the order indicated.

Description of the DSN

Mission Support
- Ongoing Planetary/Interplanetary Flight Projects
- Advanced Flight Projects

Radio Astronomy

Special Projects

Supporting Research and Technology
- Tracking and Ground-Based Navigation
- Communications-Spacecraft/Ground
- Station Control and Operations Technology
- Network Control and Data Processing

Network and Facility Engineering and Implementation
- Network
- Network Operations Control Center
- Ground Communications
- Deep Space Stations
- Quality Assurance

Operations
- Network Operations
- Network Operations Control Center
- Ground Communications
- Deep Space Stations

Program Planning
- TDA Planning

In each issue, the part entitled "Description of the DSN" describes the functions and facilities of the DSN and may report the current configuration of one of the seven DSN systems (Tracking, Telemetry, Command, Monitor & Control, Test & Training, Radio Science, and Very Long Baseline Interferometry).

The work described in this report series is either performed or managed by the Tracking and Data Acquisition organization of JPL for NASA.