

Preface

This report presents DSN progress in flight project support, 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

Interplanetary Flight Projects

Planetary Flight Projects

Manned Space Flight Projects

Advanced Flight Projects

Radio Science

Supporting Research and Technology

Tracking and Ground-Based Navigation

Communications, Spacecraft/Ground

Station Control and Operations Technology

Network Control and Data Processing

Network Engineering and Implementation

Network Control System

Ground Communications

Deep Space Stations

Operations and Facilities

Network Operations

Network Control System Operations

Ground Communications

Deep Space Stations

Facility Engineering

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 five DSN systems (Tracking, Telemetry, Command, Monitor and Control, and Test and Training).

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