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Post Launch
Mission Operation Report
No. M-492-201-82-05

January 17, 1983

TO: A/Administrator

FROM: M/Associate Administrator for Space Flight

SUBJECT: Telesat-G/Delta Post Launch Report

The Canadian Telesat-G (ANIK-D1) commercial communications satellite was launched successfully from the Eastern Space and Missile Center (ESMC) at 7:10 p.m., EDT, on August 25, 1982, by a Delta 3920 Vehicle, Mission Number 164.

Performance of the two-stage Delta launch vehicle was nominal and placed the payload in a low circular orbit as planned. The Payload Assist Module (PAM-D), which is part of the payload, also performed nominally. The synchronous transfer orbital elements achieved by Delta/PAM, compared with the nominal expected, are as follows:

	EXPECTED	MEASURED
Apogee (km)	36,420	36,358
Perigee (km)	185	185
Inclination (degrees)	24.5	24.5

The satellite performed satisfactorily during the transfer orbit, and the ABM was fired successfully at 5:29 p.m., EDT, on August 29, 1982. The satellite was maneuvered to a position 104 degrees West Longitude above the equator. Satellite status is satisfactory and it has entered service.

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JAMES A. ABRAHAMSON
Lieutenant General, USAF
Associate Administrator for
Space Flight

(NASA-TM-85204) TELESAT-G/DELTA POST LAUNCH REPORT (National Aeronautics and Space Administration) 4 p HC A02/MF A01 CSCL 22B

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NASA MISSION OBJECTIVE FOR THE TELESAT-G (ANIK-D1)

Launch the Telesat-G satellite on a two-stage Delta 3920 vehicle with sufficient accuracy to allow the MDAC PAM-D and the spacecraft propulsion system to place the spacecraft into a stationary synchronous orbit while retaining sufficient stationkeeping propulsion to meet the mission lifetime requirements.

Joseph B. Mahon

Joseph B. Mahon, Director
Expendable Launch Vehicles
Office of Space Flight

Date: August 19, 1982

J. Abrahamson

JAMES A. ABRAHAMSON
Lt. General, USAF
Associate Administrator for
Space Flight

Date: 20 August 82

ASSESSMENT OF THE TELESAT-G (ANIK-D1) MISSION

Based on the performance of the Delta launch vehicle (Mission 164) which placed the Telesat-G payload in the planned orbit, the NASA objectives for this mission are judged to have been accomplished successfully.

Joseph B. Mahon

Joseph B. Mahon
Director, Special Programs
Office of Space Flight

Date: January 7, 1983

James A. Abrahamson

JAMES A. ABRAHAMSON
Lieutenant General, USAF
Associate Administrator for
Space Flight

Date: 12 Jan 83