SCSS

4 December 1967

Space Launch Data

BYE 20313-67

SCG (General Ferguson)

1. For November 1967, two space reconnaissance missions were successfully orbited as follows to obtain photographic data over the Sino-Soviet complex.

a. Program 110 (GAMBIT-CUBED):

The ninth GAMBIT-CUBED vehicle equipped with a high resolution spotting camera was successfully launched on 25 October 1967 and recovered 4 November (10 days). This mission was reported to be the "best yet." Out of 2289 targets framed, 1489 were successfully read out in processing. Mapping and Charting was allocated 591 feet of film.

b. Program 846 (CORONA J):

The 43rd J vehicle with a P-11 subsatellite was launched on 2 November 1967 for a normal fifteen day mission to obtain search photography. Successful recovery of the first capsule occurred on 8 November (6 days). The second mission was cut short when technical problems occurred in the back-up recovery timer (Life Boat). Rather than risk reentry and recovery at some undetermined point, a successful early call down was made on 11 November 1967 (3 days). Post flight analysis indicated that floating solder started the Life Boat recovery timer. Mission results were reported to be as good or better than previous missions. Approximately 29% of the film was allocated to Mapping and Charting.

2. Only one new SIGINT vehicle (P-11 subsatellite) was placed in orbit during November. The status of this and other SIGINT vehicles follows:

a. Program 989 (P-11 Subsatellites):

The above P-11 (Mission 7321) was launched as a subsatellite from the Program 846 Agena (Para 1.b.) on 2 November 1967. This was designed to obtain ABM data in the 250 MHZ to 2200 MHZ region. Operational reports indicate that the sensor has read out a number of familiar radar signals. One other P-11 (Mission 7320) launched on 16 June 1967 and operating in the same frequency range is still operating satisfactorily.

b. Program 770 (EARPOP):

The Multi-payload capability (Missions 7162, 7230 and 7231) launched on 24 July 1967 was turned off because of excessive heat occurring from a periodic and lengthy sun angle. After cooling, these payloads will be reactivated approximately 15 December 1967.

Multi-payload (ALL)	125 MHZ - 250 MHZ
	530 MHZ - 4200 MHZ
Setter 1B (EOB)	2609 MHZ - 3215 MHZ
Donkey (DC)	2450 MHZ - 3820 MHZ

c. Program 770 (POPPY):

Four sphere shaped satellite vehicles launched on 9 March 1965 are limited to sunlight conditions since their battery life has expired. Four other vehicles launched on 31 May 1967 are operating nominally. These satellites are designed to gather EOB data in the [redacted] frequency range. Design life for these vehicles is [redacted] 50X1

3. The following launches are scheduled for December 1967:

a. Program 110 (GAMBIT-CUBED) is scheduled to launch Mission 4310 on 5 December 1967.

b. Program 846 (CORONA J-CUBED) is scheduled to launch Mission 1102 on 9 December 1967.

c. No new SIGINT missions are scheduled.

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Fact Sheet

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FACT SHEET

November 1967

1. Program 110 (GAMBIT-CUBED) - High Resolution Spotting System

Mission No. 4309
Launch Complex: SLC-4

Booster: Titan IIIB/Agena
Camera: 160-Inch Focal Length
Capsule: One

a. Launched: 25 October 1967
b. Recovered: 4 November 1967
c. Orbital parameters:

Period: 89.93 Minutes
Apogee: 231.43 NM
Perigee: 74.08 NM
Inclination: 111.55 Degrees

2. Program 846 (CORONA J) - Broad Coverage System

Mission No. 1044
Launch Complex: SLC-1

Boosters: TAT/Agena
Camera: Two 24-Inch Focal Length
Capsules: Two

a. Launched: 2 November 1967
b. 1st Recovery: 8 November 1967
c. 2nd Recovery: 11 November 1967
d. Orbital parameters:

Period: 81.5 Minutes
Apogee: 229.2 NM
Perigee: 99.7 NM
Inclination: 81.5 Degrees

3. Program 989 (Special SIGINT Missions P-11 Subsatellites)

Mission No. 7321
Launch Complex: SLC-1

Boosters: TAT/Agena
Sensors: ABM Oriented
250 MHZ - 2200 MHZ
Capsules: None (Read out)

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a. Launched: 2 November 1967
b. Orbital parameters:

Period: 249.6 Minutes
Apogee: 293 NM
Perigee: 249.6 NM
Inclination: 81.68 Degrees

4. Program 770 (POPPY) - Sphere Shaped SIGINT Satellites

Mission No. 7105
Launch Complex: SLC-1

Sensors: EOB [redacted] 50X1
Capsules: None (Read out)

a. Launched: 31 May 1967
b. Orbital parameters:

Period: 104.0 Minutes
Apogee: 506 NM
Perigee: 492. NM
Inclination: 70 Degrees

5. Program 770 (EARPOP) - Multi SIGINT Missions

Mission Nos: 7162, 7230, 7231
Launch Complex: SLC-1

Sensors:
Multi-payload(ALL) 125 MHZ - 250 MHZ
530 MHZ - 4200 MHZ
Setter 1B(EOB) 2609 MHZ - 3215 MHZ
Donkey (DC) 2450 MHZ - 3820 MHZ

a. Launched: 24 July 1967
b. Orbital parameters:

Period: 94.35 Minutes
Apogee: 288.40 NM
Perigee: 252.70 NM
Inclination: 75.02 Degrees