DEPARTMENT OF THE AIR FORCE
HEADQUARTERS AIR FORCE SYSTEMS COMMAND
ANDREWS AIR FORCE BASE, WASHINGTON, D.C. 20331

REPLY TO ATTN OF: SCSS

28 JUN 1968

BYE 69206-68

SUBJECT: Space Launch Data

SCG (General Ferguson)

1. For June 1968, the following two space missions were orbited over the Sino-Soviet complex:

a. Program 110 (GAMBIT-CUBED):

Mission 4314, launched on 5 June 1968, was successfully completed with the recovery of its capsule on 15 June 1968 after ten days on orbit. A record number of 3918 targets was framed. This compares to a previous high of 3551 targets framed by Mission 4313 from 17 - 27 April 1968. Because of this large volume of data, film processing has not been completed. A small number of targets are expected to be lost because of cloud coverage and the loss of several orbits of data due to solar flare interference. Preliminary reports indicate that the film quality is not as good as the twelve inch resolution obtained by Mission 4313 over U.S. ground markers.

b. Program 846 (CORONA J):

Mission 1047 was launched on 20 June 1968 and recoveries of its two capsules are programmed for 28 June 1968 and 5 July 1968 respectively. A low orbit with an apogee of 179 NM (220 NM planned) resulted from a slow burn by the Thor/Agena booster combination. A small correction to the orbit was made by firing five small drag makeup solid rockets attached to the Agena. This velocity assist plus the capability of the CORONA for broad coverage are expected to lead to a successful mission. Preliminary investigations of the booster problem indicate that a larger than normal volume of LOX was left in the Thor oxidizer tank. This indicates that the fuel/oxidizer mixture ratio was off. Further investigations are continuing by SAMSO/SAFSP. One P-11 subsatellite with two mission payloads was successfully launched from the Agena and is reported on in paragraph 2.a.

2. Only one SIGINT vehicle (P-11 Subsatellite) was orbited in June 1968. The general status of vehicles now operating in this area are listed below:

a. Program 989 (P-11 Subsatellites):

The new P-11 Subsatellite (para 1.b.) contains two payloads (Missions 7326 and 7327) and is designed to ferret out special SIGINT areas. Both payloads are operating successfully. The lower frequency band of the Moscow Dog House radar (Eastern sector) was detected at 380 MHZ.

Mission	Launched	Purpose	Frequency Coverage
7320 (SAVANT)	16 Jun 67	DC	61,66,71,76,165.2,181 MHZ
7324 (TIVOLI)	24 Jan 68	DC	100 MHZ - 4000 MHZ
7322 (LAMPAN)	13 Mar 68	GS	1000 MHZ - 4000 MHZ
7323 (SAMPAN 2)	13 Mar 68	GS	2000 MHZ - 4000 MHZ
7326 (TRIPOS 3)	20 Jun 68	GS	4000 MHZ - 8000 MHZ
7327 (SOUSEA 2)	20 Jun 68	GS	8000 MHZ - 12000 MHZ

b. Program 770C (POPPY):

Mission	Launched	Purpose	Frequency Coverage	No. Veh
7104	9 Mar 65	GS	[redacted]	2
7105	31 May 67	EOB		4

50X1

c. Program 770A (Multi-Group):

This vehicle has been turned off due to a high temperature resulting from a high sun angle. It will be reactivated 24 July 1968.

Mission	Launched	Purpose	Frequency Coverage
7163 (MG3)	17 Jan 68	ALL	250 MHZ - 4200 MHZ
7232 (SETTER 1B)	17 Jan 68	EOB	2604 MHZ - 3215 MHZ

3. The following is a listing of the space events scheduled for July 1968:

a. Program 846 (CORONA J) was launched 20 June 1968 with recovery planned in July. Mission results will be reported in the next monthly report.

b. Program 110 (GAMBIT-CUBED-High Resolution Camera) - Mission 4315 is scheduled for launch 23 July 1968 for a ten day mission.

c. No SIGINT launches are planned for July.

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Fact Sheet

BYE 69206-68

FACT SHEET

June 1968

1. Program 110 (GAMBIT-CUBED) - High Resolution Spotting System
   Mission No. 4314
   Launch Complex: SLC-4
   Booster: Titan IIIB/Agena
   Camera: 160 Inch Focal Length
   Capsule: One
   Film: 5000 feet

   a. Launched: 5 June 1968

   b. Recovered: 15 June 1968

   c. Orbital parameters:

      Apogee: 249.11 NM
      Perigee: 70.21 NM
      Inclination: 110.55 degrees
      Period: 90.17 Min.

2. Program 846 (CORONA J) - Broad Coverage System
   Mission: 1047
   Launch Complex: SLC-3W
   Boosters: LTTAT/Agena
   Camera: Two Improved 24 Inch Focal Length
   Capsules: Two
   Film: 32,000 feet

   a. Launched: 20 June 1968

   b. 1st Recovery: Programmed 28 June 1968

   c. 2nd Recovery: Programmed 5 July 1968

   d. Orbital Parameters:

      Apogee: 179.7 NM
      Perigee: 99.9 NM
      Inclination: 83.03 degrees
      Period: 99.9 Min.