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

REPLY TO ATTN OF: SCSS

10 June 1968

BYE 69205-68

Space Launch Data

SCG (General Ferguson)

1. For May 1968, one space reconnaissance mission was orbited over the Sino-Soviet complex to obtain photographic data. The results of this mission and the film processing for the Program 110 mission flown in April 1968 follows:

a. Program 846 (CORONA J CUBED):

The third CORONA J CUBED Mission (No. 1103) was launched on 1 May 1968 for a fourteen-day mission. First capsule was recovered on 8 May 1968 (seven days) and the second capsule on 15 May 1968 (seven days). Film quality for this improved CORONA system was equal to that of its previous missions. Slightly out of focus conditions around the outer edges of the film continue to be a problem, however this technical difficulty did not cause any serious degradation to the mission.

A significant bi-color operational experiment was conducted for the intelligence community. This experiment required the use of a green filter for one camera and a red filter for the second camera during stereophotographing of selected target areas. As a result of this technique, the film, when overlayed, permits the identification of yellow colored ground sources for possible study of uranium waste ore at mine sites and other dump areas. Approximately 39 percent of the film was allocated to this purpose. Mapping and charting was allocated approximately 17 percent of the film. The remaining film was used for broad search photography of intelligence targets.

b. Program 110 (GAMBIT CUBED):

Film processing for the 16-26 April 1968 GAMBIT mission was completed in May 1968 and a record readout of 2600 targets was reported. Film quality was as good as the best reported for this system. Overall mission target statistics follow:

	Targets
Total covered	3551
Primary vehicle aim points	1587
Stereophotography	1861
Monophotography	1690
Readout from processing	2600

2. No new SIGINT satellites were placed in orbit during May 1968. Satellites now operating in orbit (some with reduced power) are as follows:

a. Program 989 (P-11 Subsatellites):

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 - 2000 MHZ
7323 (SAMPAN 2)	13 Mar 68	GS	2000 MHZ - 4000 MHZ

b. Program 770C (POPPY):

Mission	Launched	Purpose	Frequency Coverage	No. Vehicles
7104	9 Mar 65	GS		2
7105	31 May 67	EOB		4

50X1

c. Program 770A (MULTI GROUP):

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 for June 1968:

a. Program 110 (GAMBIT CUBED - High Resolution Camera). Mission 4314 was successfully launched on 5 June 1968 for a ten-day mission. Details will be given in the next report.

b. Program 846 (CORONA J) is scheduled to launch a fifteen-day mission on 19 June 1968.

c. Program 989 (SIGINT) has two missions scheduled on a P-11 Subsatellite to be launched on the above Program 846 Agena vehicle 19 June 1968.

Mission	Purpose	Frequency Coverage
7326 (TRIPOS 3)	GS	4000 MHZ - 8000 MHZ
7327 (SOUSEA 2)	GS	8000 MHZ - 12000 MHZ

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FACT SHEET

MAY 1968

1. Program 846 (CORONA J CUBED) Broad Coverage System

Mission No. 1103
Launch Complex: SLC-4W

Boosters: LTTAT/Agena
Camera: Two improved 24-inch Focal Length
Capsules: Two
Film: 33,600 feet

a. Launched: 1 May 1968

b. 1st Recovery: 8 May 1968

c. 2nd Recovery: 15 May 1968

d. Orbital Parameters:

Apogee:	140.6 NM
Perigee:	86.9 NM
Inclination:	83.03 Degrees
Period:	86.9 Min.