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REPORT  
TO THE  
PRESIDENT'S FOREIGN INTELLIGENCE  
ADVISORY BOARD  
ON THE  
NATIONAL RECONNAISSANCE PROGRAM

January 1 to June 30, 1967

Declassified and Released by the N R C

In Accordance with E. O. 12958

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**\*\*\*NOTICE OF REMOVED PAGES\*\*\***

**The next 2 pages are not provided because their full text does not contain CORONA, ARGON, LANYARD programmatic information.**

I. ORGANIZATION AND FUNCTIONS OF THE NATIONAL RECONNAISSANCE PROGRAM

A. Authority

The National Reconnaissance Program is conducted under the terms of an August 11, 1965 agreement signed by the Deputy Secretary of Defense and the Director of Central Intelligence.

B. Organizational Environment

The National Reconnaissance Office commits its reconnaissance assets solely against intelligence requirements and priorities established by the United States Intelligence Board. The NRO forwards plans and schedules for both satellite and aircraft reconnaissance overflights directly to the 303 Committee for approval. The President's Foreign Intelligence Advisory Board regularly reviews and provides guidance on National Reconnaissance Program plans and activities. The President's Science Advisory Committee has a Panel for NRP Matters which meets frequently to review the technical status of existing and planned reconnaissance projects.

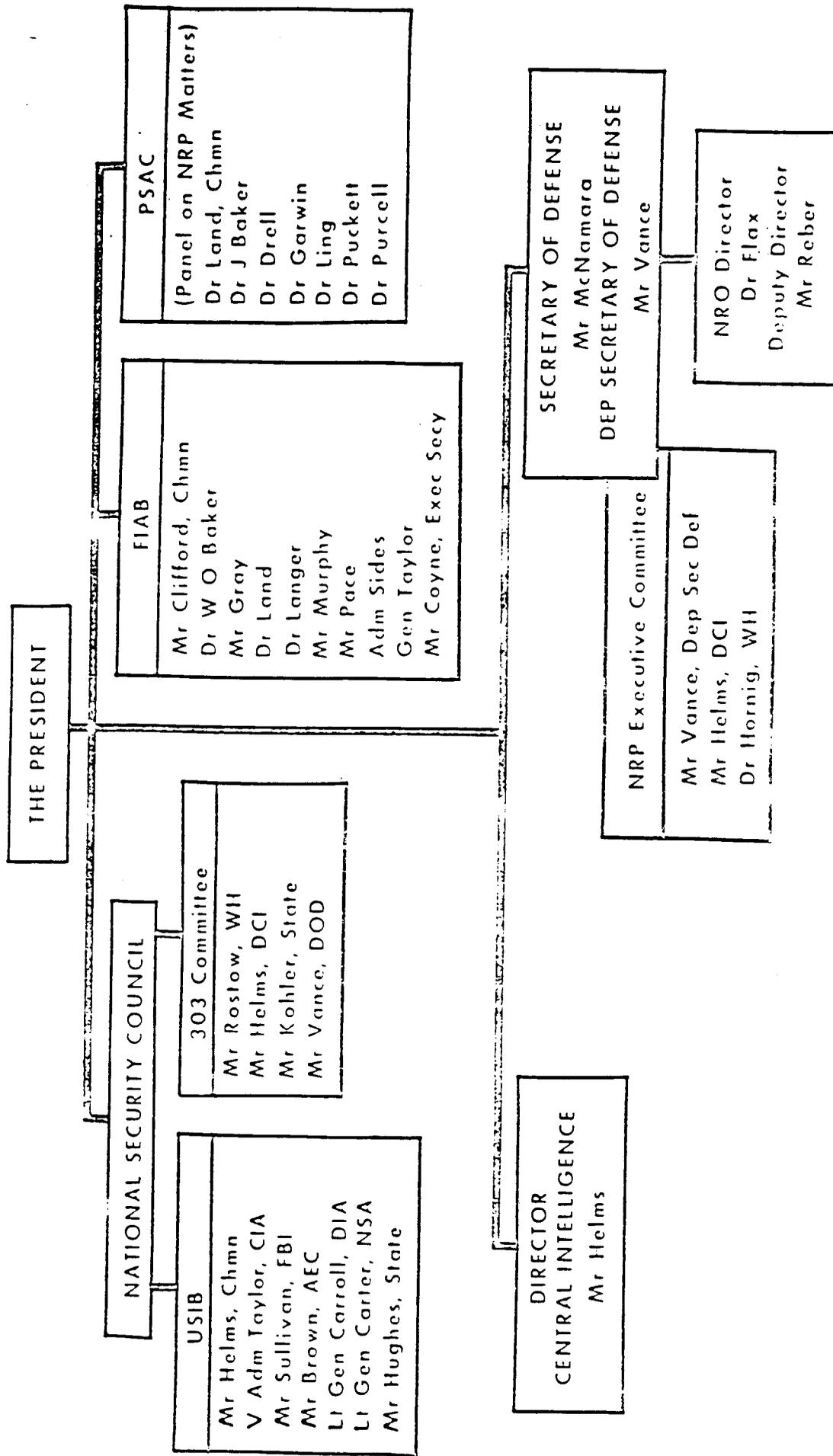
Figure No. 1 shows the organizational relationships relevant to the National Reconnaissance Program.

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# THE NRO ORGANIZATIONAL ENVIRONMENT



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Figure 1

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Figure No. 2 shows the organization of the National Reconnaissance Office.

National Reconnaissance Program organizational elements are located as follows:

The Director and Deputy Director, NRO and the NRO Staff -- The Pentagon, Washington

The Director, Program A (Satellites) -- El Segundo, California

The Director of Reconnaissance, CIA (Satellites/Aircraft) - Langley, Virginia

The Director, Program C (Satellite [redacted])  
The Pentagon, Washington

The Director, Program D (Aircraft) -- The Pentagon, Washington

C. The NRO Organization

The NRO organization was described in detail in the last report.

With the exception of the position of Director, NRO Staff -- where

[redacted] replaced [redacted]

[redacted] on February 1, 1967 -- there have been no major changes.

An updated section on the NRO organization will appear in the December 31 (next) issue of this report.

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Launch Schedule Basis for Satellite Program Estimates

	<u>FY66</u>	<u>FY67</u>	<u>FY68</u>	<u>FY69</u>	<u>FY70</u>	<u>FY71</u>	<u>FY72</u>
Broad Coverage:							
CORONA (a)	14	10	10	9	6	-	-
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Broad Coverage:

CORONA (a)

14

10

10

9

6

-

-

[REDACTED]

(a) CORONA will normally have 6 reserve systems available in FY67, 68 and 69 which could be launched if needed. These reserves are scheduled for FY70 launch in the preceding data.

(b) In addition, 1 reserve system is planned for FY70, and a 2nd in FY71.

(c) In addition, 2 reserve systems are planned for FY68, building to 3 in FY69.

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III. REQUIREMENTS

During this reporting period there were several changes in the requirements stated by the United States Intelligence Board.

Satellite SIGINT Collection: On July 15, 1966 the USIB's Committee on Overhead Reconnaissance (COMOR) began a revision of the Electronic Order of Battle portion of the Satellite SIGINT Collection Requirements [REDACTED] Although this revision is not complete, substantial work has been done on identifying specific emitters that must be located and on stating the frequency with which these emitters must be located.

In May 1967, the COMOR reviewed and recommended to USIB a requirement for [REDACTED]

[REDACTED]

In June 1967, the COMOR considered and recommended to USIB a revision of the requirement for [REDACTED]

[REDACTED]

[REDACTED]

Satellite Photographic Collection: The requirements for KH-4 photo-

[REDACTED]

graphy [REDACTED] September 16, 1966) are as follows:

1. Eighty to 90 per cent of the built-up area of the Sino-Soviet Bloc will be photographed stereoscopically in 90 to 100 per cent clear weather each six months.

2. Approximately 75 per cent of the underdeveloped areas of the Sino-Soviet Bloc will be photographed stereoscopically annually in clear weather.

3. Approximately 2.5 million square miles of intelligence coverage outside the Sino-Soviet Bloc will be photographed stereoscopically in 90 to 100 per cent clear weather annually.

4. Approximately eight million square miles of mapping and charting coverage outside the Sino-Soviet Bloc will be photographed in clear weather annually.

5. Approximately five per cent of the film per mission will be spent on unique, one-time search or surveillance tasks.

[REDACTED]  
[REDACTED]  
[REDACTED] Throughout the world there are now approximately [REDACTED] COMOR intelligence objectives requiring coverage; COMOR keeps these requirements

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current. COMOR is continuing its re-evaluation of all high resolution requirements using a statistical approach to determine necessary sampling rates. It is expected that new requirements for surveillance will appear early in FY 1968.

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IV. COLLECTION OPERATIONS

This section of the report describes satellite and aircraft reconnaissance collection activities of the National Reconnaissance Program during the period January 1 to June 30, 1967.

A. Satellite Photographic Collection:

CORONA (Broad Coverage): There were five CORONA launchings during the reporting period; all of these flights were successful, with ten payload capsules recovered. The film from these capsules gave the intelligence community cloud-free stereo photography of 65 per cent of the built-up areas and 59 per cent of the undeveloped areas in the Sino-Soviet land mass.

The first of these flights, Mission 1038-J, was in orbit from January 14 through January 26. Mission highlights:

- a. Eight Type IID single ballistic missile silos were identified for the first time.
- b. Probable launch-erector mechanisms were identified at Moscow for the first time.
- c. SAM sites were found north of Calcutta, India.
- d. Three new SAM sites were identified in the Hanoi area.
- e. Tyuratam was completely covered in stereo photography.

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- f. A new SAM training facility was located at Kalinin, USSR.
- g. USSR nuclear reactor buildings were observed as being near completion at the Melekess reactor development site and the BOR 60 Missile Test Range.
- h. A suspect probable long range SAM complex was identified near Vyazemskiy, USSR.

Mission 1039-J was in orbit from February 22 through March 5.  
Mission highlights:

- a. Twelve confirmed and one possible Type IIC single silo ballistic missile launching sites were identified at Uzhur, USSR. This was the first of the Type IIC complexes to have more than five groups of launching sites.
- b. The Chinese Missile Test Range was largely covered in stereo photography.
- c. A new probable long range SAM complex was identified at Shar'ya, USSR.
- d. New activity was noted at the Semipalatinsk Nuclear Weapons Proving Ground. The snow-free condition of the roads indicated preparations for the February underground nuclear tests.
- e. Vapor was observed rising for the first time from the

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cooling towers of the Plutonium Reactor at Chih-Chin-Hsia, China.

f. Five confirmed and one probable Type IIC single silo ballistic missile launching sites were identified at Dombarovskiy, USSR.

g. Tyuratam was completely covered in stereo photography.

h. The Semipalatinsk Nuclear Weapons area and Lop Nor were covered. A more complete and accurate analysis could now be made of the crater at Semipalatinsk.

i. Two possible OSA-class Guided Missile Patrol Boats were identified for the first time at the Hsin-Hsing-Shih Naval Facility.

j. FITTER aircraft were identified for the first time at two airfields in Czechoslovakia.

k. TALL KING-AW radar facilities were newly identified in the USSR near Terensay and Dal'niy Vostok.

Mission 1040-J was in orbit from March 30 through April 8.

Mission highlights:

a. One Type IIC ballistic missile site was located at Zhangiz-Tobe and six Type IID's were identified at Kostroma and Svobodnyy. Silo construction was observed at Aleysk.

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**\*\*\* NOTICE OF REMOVED PAGES \*\*\***

**Pages 9a through 9b of CORONA, ARGON, LANYARD programmatic information are not provided because their full text remains classified.**

- b. Tyuratam was covered in stereo photography.
- c. Eleven probable long range SAM launching complexes were observed.
- d. The Kordon SAM training center was covered. Twelve launching sites were occupied.
- e. The Shan-Tan, China, SAM training area was covered.
- f. A new radar screen was observed under construction at Sary-Shagan. A troposcatter facility was identified near Dudinka, USSR.
- g. BAT aircraft were observed at Ha-Mi airfield, China, for the first time.
- h. Tracking facilities were newly identified near Abez', USSR.

Mission 1041-J was flown from May 9 through May 24. Mission highlights:

- a. Swept-wing aircraft were observed for the first time at Bani Suwayf Air Field in Egypt. Helicopters were observed at Al Ghurdagah Air Field.
- b. Construction of suspect bunkers was noted at Lop Nor. The increasing tent count indicated continuing preparations for a test at Ground Zero 2. Aircraft were observed in the area.

c. Forty-eight SAM sites were observed in North Vietnam. One was observed in China.

d. Air order of battle changes included reconstruction of two airfields in China. First-time sightings in China showed at least ten aircraft at T'ien-Yang and seventeen BATS at Tan-Yang.

e. Satellite communications facilities were identified at Moscow.

f. New activity was observed at the Semipalatinsk Nuclear Weapons Proving Ground.

g. A new airfield was identified near Erh-Tao-Wan-Tzu, China.

Mission 1042-J was the first 15-day flight; launched on June 16, it remained in orbit until July 1. The second capsule of this mission had a delayed parachute deployment and fell into the ocean very near to a recovery surface vessel. The capsule was unharmed and the film showed no effect of the impact. This was the first "wet recovery" since October 1964; in all intervening flights, aerial recovery has been 100% effective. Mission highlights:

a. Extensive coverage of the Middle East gave excellent data on the aftermath of the Arab-Israeli conflict. Twenty-five

Arabian airfields were photographed showing extensive damage and 245 probably destroyed aircraft. This photography was, in many instances, the only available information on specific areas.

b. Excellent coverage was produced of the entire Suez Canal area.

c. Eleven new Type IID ballistic missile silos were detected under construction in the USSR, bringing to almost 700 the total number of single silos deployed throughout the Soviet ICBM complex.

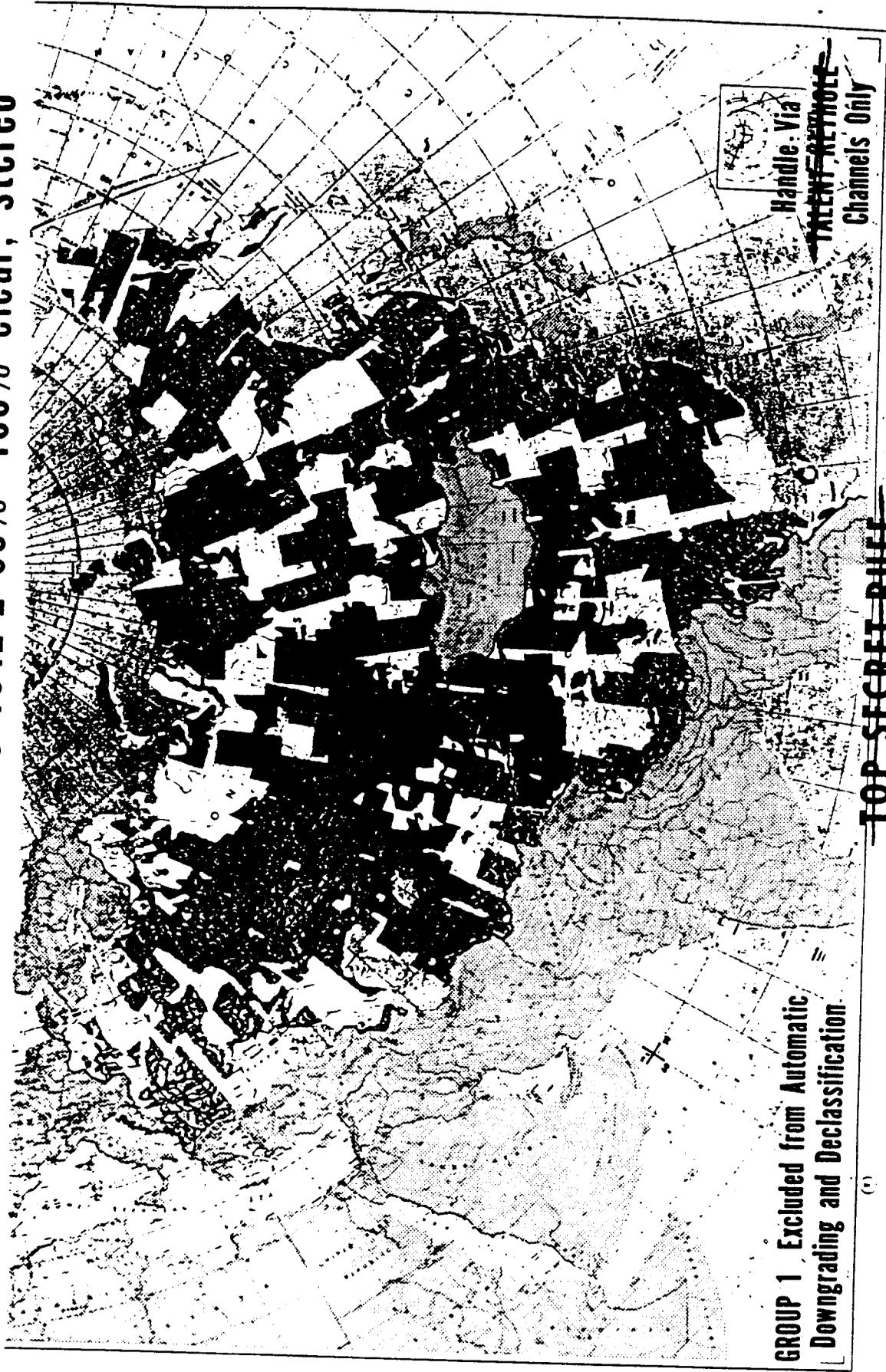
d. A continuing Soviet build-up was revealed in the Choybalsan, Mongolia, area.

e. An additional Tallinn-type defensive missile complex was detected under construction near Tikhvin in Western USSR. This is the thirty-seventh complex detected as part of this defensive missile system.

f. Lop Nor coverage was obtained just five days after the sixth Chinese nuclear test on June 17.

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KH 4 COVERAGE WITHIN THE SINO-SOVIET BLOC  
FROM MISSION 1038-1 THRU 1042-2 90% -100% clear, stereo



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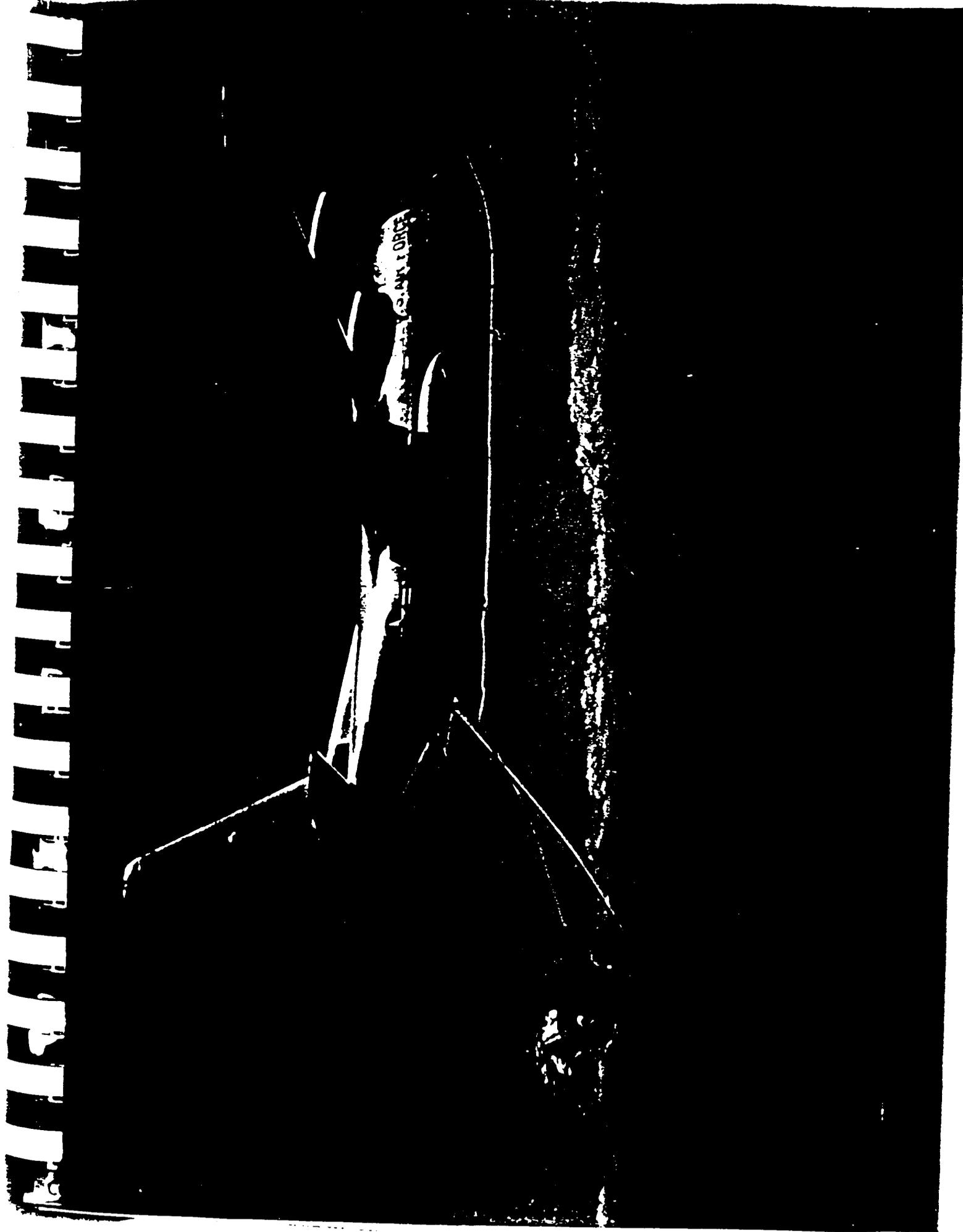
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FORMER 4-21-1981  
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JC-130 Recovery Aircraft with capsule in tow.

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PLANNING OFFICE

1964

1965

1966

1967

1968

1969

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