

NATIONAL PHOTOGRAPHIC  
INTERPRETATION CENTER

# OAK SUPPLEMENT

**PHOTOGRAPHIC INTERPRETATION REPORT**

## KH-4 MISSION IIII

### IPIR NUMBER 17

### OAK SUPPLEMENT PART XI

### 23 JULY - 10 AUGUST 1970

**Handle via  
Talent-Keyhole  
Channels Only**

**TOP SECRET**

TCS-20420/70  
SEPTEMBER 1970  
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TARGET CATEGORIES  
AND  
ASSOCIATED NTP FUNCTIONAL AREAS (CODES)

1. STRATEGIC SSM  
    Deployed Strategic SSM Facilities (A)
2. MISSILE RANGES  
    Missile Ranges: Strategic SSM/Space Facilities (P)  
    Missile Ranges: Air-Launched Missile Facilities (Q)  
    Missile Ranges: Naval-Launched Missile Facilities (R)  
    Missile Ranges: Tactical SSM Facilities (S)  
    Missile Ranges: SAM/AMM Facilities (T)
3. AIR DEFENSE MISSILES  
    Deployed AMM Facilities (B)  
    Deployed SAM Facilities (D)
4. ELECTRONICS/COMMUNICATIONS  
    Deployed Communication/Electronic/Radar Facilities (C)
5. AIR  
    Air Base Facilities (E)
6. NAVAL  
    Naval Base Facilities (F)
7. GROUND  
    Ground Force Facilities (G)
8. TACTICAL SSM  
    Deployed Tactical SSM Facilities (H)
9. LOGISTICS  
    Military Logistics Facilities (K)
10. NUCLEAR ENERGY  
    Atomic Energy Facilities (O)
11. CBR  
    CBR Facilities (V)
12. INDUSTRY  
    Strategic Weapons Industrial Facilities (J)  
    General Purpose Weapons Industrial Facilities (L)  
    Non-Military Industrial Facilities (N)  
    Communication/Electronic/Radar R&D Facilities (U)
13. MISCELLANEOUS  
    Non-Military Logistics Facilities (M)  
    Miscellaneous/Unidentified Facilities (Z)

These thirteen target categories are compatible with the Functional Area of Imagery Interpretation established under the National Tasking Plan. To enhance the analysis of readout on operationally associated targets, each target is reported relative to its primary functional association (i.e., missile range tracking facilities are reported under "MISSILE RANGES," fly-away airfields at aircraft plants are reported under "INDUSTRY," airfield nuclear weapons storage facilities are reported under "AIR," etc.).

TCS 20420/70 - IPIR 17  
KH-4 MISSION 1111

TABLE OF CONTENTS

	PAGE
PREFACE	1
MISSION HIGHLIGHTS	2
CHINA, COMMUNIST	3
MISSILE RANGES	4
AIR DEFENSE MISSILES	11
AIR BASE FACILITIES	13
GROUND FORCE FACILITIES	22
INDUSTRY	23
MISCELLANEOUS	23
UNITED ARAB REPUBLIC	
INDUSTRY	24
25X6	
ROMANIA	
AIR DEFENSE MISSILES	26
SOVIET UNION	
DEPLOYED STRATEGIC SSM FACILITIES	27
MISSILE RANGES	30
AIR DEFENSE MISSILES	32
INDUSTRY	51
YUGOSLAVIA	
AIR DEFENSE MISSILES	55

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TALENT-KEYHOLE  
CONTROL SYSTEM ONLY

TCS 20420/70 - IPIR 17  
KH-4 MISSION 1111

PREFACE

PREFACE

THIS IS THE ELEVENTH OAK SUPPLEMENT REPORT ON MISSION 1111.  
FOR ADDITIONAL PREFACE DETAILS, SEE FIRST OAK SUPPLEMENT.

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KH-4 MISSION 1111

HIGHLIGHTS

MISSION HIGHLIGHTS

USSR

MISSILE ACTIVITY

A SIX-POSITION SA-5 LAUNCH SITE AND A SEPARATELY SECURED  
SQUARE PAIR RADAR AREA HAVE BEEN NEWLY CONSTRUCTED AT GORKIY  
SAM SITE B18-2. [REDACTED]

25X1D [REDACTED]

25X1D

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TALENT-KEYHOLE  
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TCS 20420/70 - IPIR 17  
KH-4 MISSION 1111

CHINA: COMMUNIST  
MISSILE RANGES

SIGNIFICANT RESULTS

25X1D WU-CHAI SSM MAIN SUPPORT BASE 25X1A 38-48-25X1D N 111-36-25X1D E

STATUS: UNDER CONSTRUCTION

REMARKS:

RAIL BED CONSTRUCTION HAS BEEN STARTED FOR THE REMAINING 1,341 METERS (4,400 FEET) TO THE MAIN SUPPORT BASE FROM SUPPORT AREA 2. A RAIL SPUR, 4,497 METERS (13,770 FEET), HAS BEEN EXTENDED FROM THE RAILROAD UNDER CONSTRUCTION AT WU-CHAI TO WU-CHAI AIRFIELD NORTH. RAILROAD CONSTRUCTION FROM NING-WU EXTENDED AS FAR AS 2,591 METERS (8,580 FEET) SW OF KO-LAN, PASSING APPROXIMATELY 366 METERS (1,200 FEET) WEST OF THE WALLED VILLAGE. A TURNING WYE WAS UNDER CONSTRUCTION 701 METERS (2,300 FEET) NORTH OF KO-LAN AND EAST OF THE RAIL BED.

25X1D

25X1D

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TALENT-KEYHOLE  
CONTROL SYSTEM ONLY

TCS 20420/70 - IPIR 17  
KH-4 MISSION 1111

CHINA, COMMUNIST  
AIR DEFENSE MISSILES

SIGNIFICANT RESULTS

25X1D CHANG-CHIA-KOU SAM SITE A15-2 25X1D  
25X1D [REDACTED] NAC [REDACTED] 40-40-[REDACTED] N 114-58-[REDACTED] E

STATUS: OCCUPIED

25X1A

REMARKS:  
EQUIPMENT WAS STILL BEING STORED IN THE DEEP GULLIES.

MISSILE ORDER OF BATTLE:  
4 PROB LAUNCHERS 1 FAN SONG RADAR

25X1D [REDACTED]

25X1D CHANG-CHIA-KOU SAM SITE C12-2 25X1D  
25X1D [REDACTED] [REDACTED] 40-41-[REDACTED] N 115-19-[REDACTED] E

STATUS: OCCUPIED

25X1A

PHYSICAL DESCRIPTION:  
21.9 NM EAST OF CHANG-CHIA-KOU,  
THE SITE CONSISTS OF SIX REVETTED POSITIONS OCCUPIED BY  
LAUNCHERS AND MISSILE TRANSPORTERS. THE GUIDANCE AREA WAS  
OCCUPIED BY A PROBABLE FAN SONG RADAR AND FOUR BUILDINGS. THE  
SIX EXCAVATED AND REVETTED LAUNCH POSITIONS ARE ARRANGED IN TWO  
ESSENTIALLY STRAIGHT LINES. A PROBABLE MISSILE-HOLD BUILDING  
IS ON THE PERIMETER ROAD TO THE EAST OF THE SITE. THE SUPPORT  
AREA CONTAINED APPROXIMATELY 30 TENTS AND NUMEROUS PIECES OF  
EQUIPMENT.

MISSILE ORDER OF BATTLE:  
6 LAUNCHERS 6 MISSILE TRANSPORTERS  
1 PROB FAN SONG RADAR 1 PROB MISSILE TRANSPORTER

25X1D [REDACTED]

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TCS 20420/70 - IPIR 17  
KH-4 MISSION 1111

CHINA, COMMUNIST  
AIR DEFENSE MISSILES

25X1D [REDACTED] 25X1D 25X1D  
CHANG-CHIA-KOU SAM SITE D10-2 40-47-[REDACTED] N 115-35-[REDACTED] E

STATUS: OCCUPIED

25X1A

PHYSICAL DESCRIPTION:

32.4 NM EAST OF CHANG-CHIA-KOU.  
THE SITE CONSISTS OF SIX REVETTED POSITIONS. THE GUIDANCE AREA WAS OCCUPIED BY A PROBABLE FAN SONG RADAR AND ONE BUILDING. THE SIX EXCAVATED AND REVETTED LAUNCH POSITIONS ARE ARRANGED IN TWO ESSENTIALLY STRAIGHT LINES. THE SUPPORT AREA CONTAINED THREE MISSILE TRANSPORTERS, ONE PROBABLE MISSILE TRANSPORTER, AND FIVE PROBABLE TRACKED PRIME MOVERS.

MISSILE ORDER OF BATTLE:

- |                        |                             |
|------------------------|-----------------------------|
| 6 LAUNCHERS            | 1 PROB MISSILE TRANSPORTER  |
| 1 PROB FAN SONG RADAR  | 5 PROB TRACKED PRIME MOVERS |
| 3 MISSILE TRANSPORTERS | 2 POSS VANS                 |

25X1D [REDACTED]

25X1D [REDACTED] 25X1D 25X1D  
CHANG-CHOU SAM SITE A01-2 24-36-[REDACTED] N 117-39-[REDACTED] E

STATUS: UNKNOWN

25X1A

MISSILE ORDER OF BATTLE:  
AT LEAST 5 PIECES OF EQUIPMENT

25X1D [REDACTED]

25X1D [REDACTED] 25X1D 25X1D  
CHIH-CHIN-HSIA SAM SEARCH AREA 40-10-//N 097-26-//E

STATUS: UNKNOWN

25X1A

REMARKS:  
YU-MEN SAM SITE A12A-2 ([REDACTED]) WAS OCCUPIED. NO OTHER MISSILE-RELATED ACTIVITY WAS OBSERVED.



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TCS 20420/70 - IPIR 17  
KH-4 MISSION 1111

CHINA, COMMUNIST  
AIR DEFENSE MISSILES

25X1D



CHI-NING SAM SITE A30-2 25X1A

25X1D 25X1D  
41-04-█ N 112-58-█ E

25X1D



STATUS: OCCUPIED

PHYSICAL DESCRIPTION:

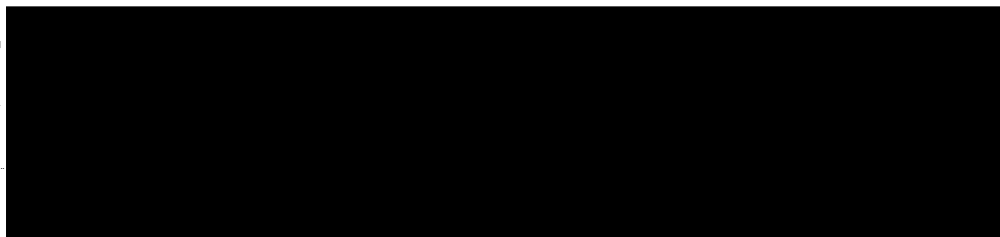
5.8 NM WNW OF CHI-NING.

THE SITE CONSISTS OF SIX EXCAVATED AND PARTIALLY REVETTED LAUNCH POSITIONS EACH OCCUPIED BY A MISSILE TRANSPORTER. FIVE LAUNCHERS AND ONE PROBABLE LAUNCHER WERE OUTSIDE THE REVETMENTS IN A FIELD-DEPLOYED PATTERN. THE REVETTED SITE CONFIGURATION IS ESSENTIALLY SQUARE. THE CENTRAL GUIDANCE AREA CONTAINED A SQUARE EXCAVATION. AN ADDITIONAL NINE EXCAVATIONS WERE IN THE SUPPORT AREA.

MISSILE ORDER OF BATTLE:

5 LAUNCHERS	10 MISSILE TRANSPORTERS
1 POSS LAUNCHER	12 VANS
1 PROB FAN SONG RADAR	5 TRACKED PRIME MOVERS

25X1D



HSI-AN SAM SEARCH

25X1A

34-15-//N 108-50-//E

25X1D



STATUS: UNKNOWN

REMARKS:

SAN-YUAN SAM SITE A06-2 25X1A WAS OCCUPIED. NO OTHER MISSILE-RELATED ACTIVITY WAS OBSERVED.

25X1D



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TCS 20420/70 - IPIR 17  
KH-4 MISSION 1111

CHINA, COMMUNIST  
AIR DEFENSE MISSILES

TARGET.

HU-HO-HAO-TE SAM SITE C12-2 25X1A 40-41-25X1D N 112-04-25X1D E  
25X1D [REDACTED]

STATUS: OCCUPIED

PHYSICAL DESCRIPTION:

20.2 NM ESE OF HU-HO-HAO-TE.  
THE SITE CONTAINS SIX EXCAVATED AND REVETTED LAUNCH POSITIONS,  
EACH OCCUPIED BY A LAUNCHER AND A MISSILE TRANSPORTER. THE  
SITE CONFIGURATION IS ESSENTIALLY SQUARE. THE CENTRAL GUIDANCE  
AREA CONTAINED A PROBABLE FAN SONG RADAR AND A LINEAR  
EXCAVATION WHICH PROBABLY CONTAINED THE FAN SONG SUPPORT VANS.  
THE SUPPORT AREA IMMEDIATELY TO THE EAST CONTAINED SIX MISSILE  
TRANSPORTERS, APPROXIMATELY 30 TENTS, AND NUMEROUS UNIDENTIFIED  
PIECES OF EQUIPMENT.

MISSILE ORDER OF BATTLE:

6 LAUNCHERS 12 MISSILE TRANSPORTERS  
1 PROB FAN SONG

25X1D [REDACTED]

LAN-CHOU SAM SEARCH AREA 25X1A 36-09-//N 103-30-//E  
25X1D [REDACTED]

STATUS: UNKNOWN

REMARKS:

25X1A [REDACTED] 25X1A [REDACTED], C29-2 (BE  
25X1A [REDACTED]), AND E04-2 [REDACTED] WERE OCCUPIED. LAN-CHOU 25X1A  
25X1A SAM SITE B12A-2 [REDACTED] AND B29-2 [REDACTED] WERE 25X1A  
UNOCCUPIED. NO OTHER MISSILE-RELATED ACTIVITY WAS OBSERVED.

25X1D [REDACTED]

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TALENT-KEYHOLE  
CONTROL SYSTEM ONLY

TCS 20420/70 - IPIR 17  
KH-4 MISSION 1111

CHINA, COMMUNIST  
AIR DEFENSE MISSILES

LAN-CHOU SAM SITE C25A-2 25X1A 25X1D 25X1D  
25X1D [REDACTED] 35-54-[REDACTED] N 103-16-[REDACTED] E

STATUS: OCCUPIED

REMARKS:  
25X1D NUMEROUS STRUCTURES HAVE BEEN BUILT IN THE SOUTHERN HALF OF THE  
SAM SITE [REDACTED]

25X1D [REDACTED]

LAN-CHOU SAM SITE C29-2 25X1D 25X1D  
25X1D [REDACTED] NAC 36-13-[REDACTED] N 103-12-[REDACTED] E

STATUS: OCCUPIED

25X1A

MISSILE ORDER OF BATTLE:  
6 LAUNCHERS

1 PROB FAN SONG RADAR

25X1D [REDACTED]

LAN-CHOU SAM SITE E04-2 25X1A 25X1D 25X1D  
25X1D [REDACTED] 36-38-[REDACTED] N 104-13-[REDACTED] E

STATUS: OCCUPIED

25X1A

REMARKS:  
LOW REVELMENTS WITH SHRUBS ENCIRCLED EACH OF THE LAUNCH  
POSITIONS. EIGHT TENTS WERE IN THE SUPPORT AREA TO THE WEST.

MISSILE ORDER OF BATTLE:  
6 LAUNCHERS  
1 PROB FAN SONG RADAR  
10 MISSILE TRANSPORTERS

1 PROB MISSILE TRANSPORTER  
6 FAN SONG ASSOCIATED VANS

25X1D [REDACTED]

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TOP SECRET RUFF

TCS 20420/70 - IPIR 17  
KH-4 MISSION 1111

CHINA, COMMUNIST  
AIR DEFENSE MISSILES

LIEN-CHENG SAM SITE A21-2 25X1A 25-38-25X1D N 116-43-25X1D E

25X1D

STATUS: OCCUPIED

REMARKS:  
THE SITE HAS BEEN COMPLETED AND CONSISTS OF SIX EXCAVATED AND  
REVERTED LAUNCH POSITIONS AND A CENTRAL GUIDANCE AREA  
CONTAINING EIGHT BUILDINGS.

MISSILE ORDER OF BATTLE:  
6 LAUNCHERS  
10 MISSILE TRANSPORTERS

1 PROB GIN SLING RADAR  
9 UNIDENTIFIED VEHICLES

25X1D

PAO-TOU SAM SEARCH AREA

25X1A

40-39-//N 109-58-//E

25X1D

STATUS: UNKNOWN

REMARKS:  
PAO-TOU SAM SITE A11-2 25X1A WAS OCCUPIED. NO OTHER  
MISSILE-RELATED ACTIVITY WAS OBSERVED.

25X1D

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TALENT-KEYHOLE  
CONTROL SYSTEM ONLY

TCS 20420/70 - IPIR 17  
KH-4 MISSION 1111

CHINA, COMMUNIST  
AIR DEFENSE MISSILES

PAO-TOU SAM SITE A11-2 25X1A 25X1D 25X1D  
25X1D [REDACTED] 40-31-[REDACTED] N 110-07-[REDACTED] E

STATUS: OCCUPIED

REMARKS:  
THREE MORE UNOCCUPIED REVETTED LAUNCH POSITIONS HAVE BEEN  
CONSTRUCTED, AND A FOURTH WAS UNDER CONSTRUCTION. OTHER GROUND  
SCARRING WAS EVIDENT WITHIN THE LAUNCH AREA.

MISSILE ORDER OF BATTLE:  
6 MISSILE LAUNCHERS 1 PROB FAN SONG RADAR

25X1D [REDACTED]

OTHER RESULTS-NO APPARENT CHANGE

LAN-CHOU SAM SITE B12A-2 25X1D 25X1D  
25X1D [REDACTED] NAC 35-57-[REDACTED] N 104-01-[REDACTED] E  
STATUS: UNOCCUPIED 25X1A

25X1D [REDACTED]

LAN-CHOU SAM SITE B29-2 25X1A 25X1D 25X1D  
25X1D [REDACTED] 36-08-[REDACTED] N 103-22-[REDACTED] E  
STATUS: UNOCCUPIED

REMARKS:  
THE SITE APPEARED ABANDONED.

25X1D [REDACTED]

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TALENT-KEYHOLE  
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TCS 20420/70 - IPIR 17  
KH-4 MISSION 1111

CHINA, COMMUNIST  
AIR BASE FACILITIES

SIGNIFICANT RESULTS

25X1D KAI-FENG AIRFIELD 25X1A 25X1D 25X1D  
34-45- [REDACTED] N 114-20- [REDACTED] E

STATUS: UNDER CONSTRUCTION

REMARKS:  
THE SW END OF THE RUNWAY WAS BEING EXTENDED. LARGE AMOUNTS OF CONSTRUCTION MATERIAL WERE ALONG THE EDGE OF THE RUNWAY AND THE PARALLEL TAXIWAY. AT LEAST 13 CONSTRUCTION/SUPPORT BUILDINGS HAVE BEEN ERECTED ON THE SE SIDE OF THE RUNWAY.

AIR ORDER OF BATTLE:  
NONE DISCERNIBLE

25X1D [REDACTED]

25X1D KUANG-CHOU/PAI-YUN AIRFIELD 25X1D 25X1D  
23-10- [REDACTED] N 113-15- [REDACTED] E

STATUS: OPERATIONAL 25X1A

REMARKS:  
THIS IS THE FIRST IDENTIFICATION OF THE HAWKER SIDDELEY TRIDENT JET TRANSPORT AT A CHINESE AIRFIELD.

AIR ORDER OF BATTLE:  
2 TRIDENT JET TRANSPORT 4 CRATE

25X1D [REDACTED]

25X1D SHAN-PO AIRFIELD 25X1D 25X1D  
30-05- [REDACTED] N 114-18- [REDACTED] E

STATUS: OPERATIONAL 25X1A

REMARKS:  
THE SIX REVETTED HARDSTANDS PREVIOUSLY REPORTED UNDER CONSTRUCTION ON MISSION [REDACTED] HAVE BEEN COMPLETED.

25X1D

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TALENT-KEYHOLE  
CONTROL SYSTEM ONLY

TCS 20420/70 - IPIR 17  
KH-4 MISSION 1111

CHINA, COMMUNIST  
AIR BASE FACILITIES

AIR ORDER OF BATTLE:  
22 SMALL SWEEP-WING

7 CAB

25X1D

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TALENT-KEYHOLE  
CONTROL SYSTEM ONLY

TCS 20420/70 - IPIR 17  
KH-4 MISSION 1111

CHINA, COMMUNIST  
GROUND FORCE FACILITIES

SIGNIFICANT RESULTS

AI-HUI ARMY BARRACKS AL 1 25X1D 25X1D  
25X1D [REDACTED] 50-14-[REDACTED] N 127-28-[REDACTED] E

STATUS: UNKNOWN

25X1A

PHYSICAL DESCRIPTION:

ON THE SOUTHERN EDGE OF AI-HUI AND 1 NM SOUTH OF THE  
SINO/SOVIET BORDER,  
THE INSTALLATION CONTAINS ONE ADMINISTRATION BUILDING, ONE  
MESSHALL, TEN PROBABLE BARRACKS, THREE PROBABLE STORAGE  
BUILDINGS, ONE SMALL POSSIBLE HEATING PLANT, AND APPROXIMATELY  
FIVE SMALL SHEDS.

GROUND FORCE ORDER OF BATTLE:  
NONE DISCERNIBLE

25X1D [REDACTED]

CHAO-CHUAN-PAO ARMY BKS AL 1 25X1D 25X1D  
25X1D [REDACTED] 40-40-[REDACTED] N 115-18-[REDACTED] E

STATUS: UNKNOWN

25X1A

PHYSICAL DESCRIPTION:

1.5 NM SW OF CHAO-CHUAN.  
THE SECURED AREA CONTAINS APPROXIMATELY 16 BUILDINGS. SMALL  
SCALE PRECLUDED IDENTIFICATION OF THIS AREA AS BEING MILITARY.

GROUND FORCE ORDER OF BATTLE:  
NONE DISCERNIBLE

25X1D [REDACTED]

CHING-HSING ARMY BKS S AL 1 25X1D 25X1D  
25X1D [REDACTED] 46-58-[REDACTED] N 123-01-[REDACTED] E

STATUS: OCCUPIED

25X1A



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TOP SECRET RUFF  
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TCS 20420/70 - IPIR 17  
KH-4 MISSION 1111

CHINA, COMMUNIST  
GROUND FORCE FACILITIES

PHYSICAL DESCRIPTION:  
5.4 NM SOUTH OF CHING-HSING.  
THE INSTALLATION CONTAINS ONE ADMINISTRATION BUILDING, ONE  
POSSIBLE ADMINISTRATION BUILDING, 15 BARRACKS, 13  
STORAGE/SUPPORT BUILDINGS, AND ONE PARADE FIELD.

GROUND FORCE ORDER OF BATTLE:  
NONE DISCERNIBLE

25X1D



CHI-NING ARMY BARRACKS W AL 2

25X1A

41-01-25X1D N 113-04-25X1D E

25X1D

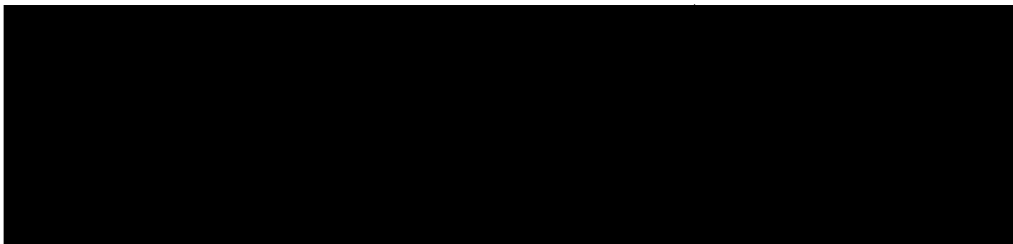


STATUS: UNKNOWN

REMARKS:  
THERE WAS NO APPARENT CHANGE IN THE INSTALLATION, HOWEVER,  
EXTENSIVE MILITARY ACTIVITY WAS OBSERVED IN A 5 X 5-NM AREA  
IMMEDIATELY SW OF THE INSTALLATION. WEAPONS POSITIONS (FIELD  
ARTILLERY AND AAA SITES), EXTENSIVE TRENCHING, NUMEROUS  
UNIDENTIFIED EXCAVATIONS, AT LEAST 70 PROBABLE TENTS, AND AT  
LEAST 85 VEHICLE REVETMENTS WERE OBSERVED IN THIS AREA.

GROUND FORCE ORDER OF BATTLE:  
8 PROB VEHICLES

25X1D



SHANG-CHUAN CD SITE AL 3

21-35-25X1D N 112-45-25X1D E

25X1D

STATUS: UNDER CONSTRUCTION

25X1A

PHYSICAL DESCRIPTION:  
ON THE SW EDGE OF SHANG-CHUAN (ISLAND).  
THE COASTAL DEFENSE SITE CONSISTS OF AT LEAST FOUR POSITIONS

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TCS 20420/70 - IPIR 17  
KH-4 MISSION 1111

CHINA, COMMUNIST  
GROUND FORCE FACILITIES

AND AT LEAST 20 SUPPORT BUILDINGS.

MISSILE ORDER OF BATTLE:  
NONE DISCERNIBLE

25X1D



25X1D

25X1D

TAI-PU-SSU-CHI ARMY BKS AL 3

42-01-█ N 115-12-█ E

25X1D



25X1A

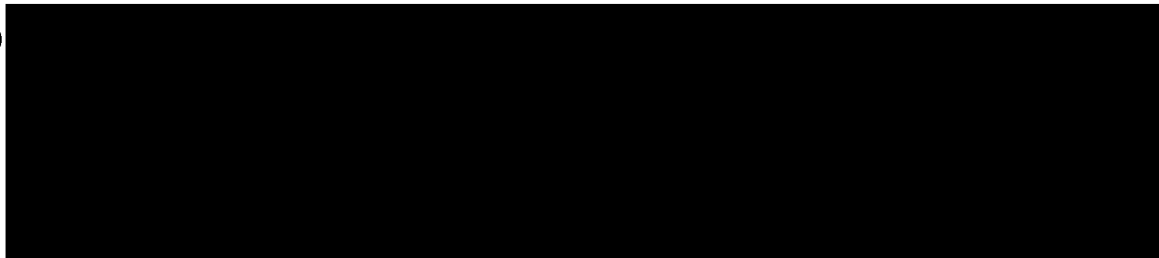
STATUS: NEGATED

25X1D

25X1D

REMARKS:  
NO MILITARY INSTALLATION WAS OBSERVED AT THE REFERENCED  
COORDINATES. POSSIBLE DEFENSIVE WEAPONS POSITIONS, PERSONNEL  
TRENCHES, AND AT LEAST 35 TENTS WERE OBSERVED AT 42-04-█  
115-10-█

25X1D



25X1D

25X1D

WU-SU-LI ARMY BKS SSE AL 2

53-26-█ N 123-22-█ E

25X1D



25X1A

STATUS: UNKNOWN

PHYSICAL DESCRIPTION:  
8 NM SE OF WU-SU-LI AND 7 NM SOUTH OF THE SINO/SOVIET BORDER.  
THE INSTALLATION CONTAINS 12 BUILDINGS AND IS A POSSIBLE LUMBER  
CAMP.

GROUND FORCE ORDER OF BATTLE:  
NONE DISCERNIBLE

25X1D



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25X1D

Next 6 Page(s) In Document Exempt

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TALENT-KEYHOLE  
CONTROL SYSTEM ONLY

TCS 20420/70 - IPIR 17  
KH-4 MISSION 1111

CHINA, COMMUNIST  
MISCELLANEOUS

SIGNIFICANT RESULTS

25X1D [REDACTED] 25X1D  
HSUAN-HUA POSS SSM STOR FAC 40-38- [REDACTED] N 115-01- [REDACTED] E 25X1D  
25X1D [REDACTED] 25X1A  
STATUS: OPERATIONAL

REMARKS:  
THE INSTALLATION HAS BEEN IDENTIFIED AS A POSSIBLE SSM STORAGE FACILITY. THE IDENTIFICATION IS BASED ON THE RESULTS OF A  
25X1B [REDACTED]

HSUAN-HUA POSSIBLE SSM STORAGE FACILITY IS SERVED BY A SPUR OF THE PEKING/TA-TUNG RAIL LINE AND CONSISTS OF AN INITIAL TRANSLOADING AREA, POSSIBLE MISSILE STORAGE AND CHECKOUT AREAS, AND A SUPPORT AREA FOR PERSONNEL AND EQUIPMENT. A HIGH, GABLE-ROOFED BUILDING IS IN THE INITIAL TRANSLOADING AREA AT THE TERMINUS OF THE STANDARD-GAUGE RAIL SPUR. AT THIS BUILDING LARGE OBJECTS CAN BE TRANSLOADED TO AN INTERNAL NARROW-GAUGE RAIL SYSTEM OR ROAD. OTHER FEATURES FOUND AT THE FACILITY ARE FOUR NARROW-GAUGE RAIL-SERVED POSSIBLE MISSILE STORAGE AND CHECKOUT BUILDINGS, FOUR NARROW-GAUGE RAIL-SERVED TUNNEL ENTRANCES, A POSSIBLE MISSILE CHECKOUT AREA CONTAINING A DRIVE-THROUGH BUILDING AND DRIVE-IN BUILDINGS, AND TWO HARDSTANDS CROSSED BY RAIL AND SERVED BY ROAD RAMPS.

25X1D [REDACTED] 25X1D  
THE HSUAN-HUA FACILITY WAS PARTIALLY OPERATIONAL AS EARLY AS [REDACTED]  
25X1D [REDACTED] CONSTRUCTION WAS OBSERVED TO BE  
ESSENTIALLY COMPLETE ON PHOTOGRAPHY OF [REDACTED]

25X1D [REDACTED] 25X1D

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TCS 20420/70 - IPIR 17  
KH-4 MISSION 1111

UNITED ARAB REPUBLIC  
INDUSTRY

SIGNIFICANT RESULTS

HULWAN ARTY AMMO COMPONENTS PLANT

25X1D 25X1D  
29-52-█ N 031-19-█ E

25X1D

25X1A

STATUS: OPERATIONAL

REMARKS:

TWO LARGE BUILDINGS IN THE NORTHERN SECTION OF THE PLANT WERE  
IN A LATE STAGE OF CONSTRUCTION. A SMALL BUILDING IN THE  
SOUTHERN PART OF THE PLANT REMAINED UNDER CONSTRUCTION.

25X1D

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25X6

Next 1 Page(s) In Document Exempt

Approved For Release 2000/04/17 : CIA-RDP78T04562A001200010001-4

TCS 20420/70 - IPIR 17  
KH-4 MISSION 1111

SOVIET UNION  
DEPLOYED STRATEGIC SSM FACILITIES

SIGNIFICANT RESULTS

IMENI GASTELLO ICBM COMPLEX 25X1D 25X1D  
51-03- N 066-14- E  
25X1D [REDACTED] 25X1A  
STATUS: OPERATIONAL

REMARKS:  
ALL KNOWN COMPONENTS OF THE COMPLEX WERE OBSERVED. THIS  
INCLUDES THE NEWLY IDENTIFIED LAUNCH SITE, 55I, WHICH WAS  
REPORTED IN THE OAK. LAUNCH SITES 39G, 40G, 41G, 42G, AND 43G  
ARE NOW COMPLETE. THIS MAKES THE SEVENTH GROUP COMPLETE AT  
25X1D THIS COMPLEX. ON [REDACTED] PROBABLE PROPELLANT TRANSPORTER  
TRAILERS AND TEN UNIDENTIFIED VEHICLES WERE OBSERVED IN THE  
GARAGE AREA OF THE PROPELLANT FACILITY AT THE RAIL-TO-ROAD  
TRANSFER POINT.

25X1D [REDACTED]

POSTAVY MRBM COMPLEX 25X1D 25X1D  
55-15- N 026-52- E  
25X1D [REDACTED] 25X1A  
STATUS: OPERATIONAL

REMARKS:  
ALL COMPONENTS OF THE COMPLEX WERE VISIBLE. LAUNCH SITE 1 WAS  
IN AN INCREASED STATE OF READINESS WITH PROPELLANT VEHICLES  
ALIGNED ALONGSIDE ALL FOUR ERECTORS. NO MISSILES WERE  
OBSERVED. LAUNCH SITE 2 WAS IN THE NORMAL STATE OF READINESS  
WITH ERECTORS ON ALL FOUR PADS AND PROPELLANT VEHICLES PARKED  
IN THE PROPELLANT STORAGE AREA. SIX LONG CYLINDRICAL  
UNIDENTIFIED OBJECTS WERE OBSERVED IN THE SUPPORT AREAS AT BOTH  
LAUNCH SITES 2 AND 3. NO SILO CONSTRUCTION OBSERVED.

25X1D [REDACTED]

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TOP SECRET RUFF  
TALENT-KEYHOLE  
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TCS 20420/70 - IPIR 17  
KH-4 MISSION 1111

SOVIET UNION  
DEPLOYED STRATEGIC SSM FACILITIES

SMORGON IRBM COMPLEX  
25X1D [REDACTED] NAC

25X1D 25X1D  
54-29-[REDACTED] N 026-17-[REDACTED] E

STATUS: OPERATIONAL

25X1A

REMARKS:

ALL COMPONENTS OF THE COMPLEX WERE VISIBLE. A PROBABLE MISSILE EXERCISE WAS OBSERVED ON THE SOUTHERN PAD AT LAUNCH SITE 2. A PROBABLE SS-5 MISSILE ON A TRANSPORTER WAS ALIGNED WITH THE ERECTOR. ERECTORS WERE VISIBLE ON ALL FOUR PADS AT BOTH SOFT SITES. EIGHT OXIDIZER TRANSPORTERS WERE OBSERVED AT LAUNCH SITE 1. A STORAGE AREA HAS BEEN CONSTRUCTED JUST SOUTH OF THE TRANSFER POINT. THIS AREA IS SEPARATELY FENCED FROM THE TRANSFER POINT AND CONTAINS FOUR LARGE CYLINDRICAL STORAGE TANKS WITH A POSSIBLE ON/OFFLOADING DOCK FOR RAIL TANK CARS. ALSO IN THIS FACILITY ARE FOUR LARGE, MULTISTORY WAREHOUSE-TYPE BUILDINGS, TWO ON EITHER SIDE OF A RAIL SPUR. ON THE SIDE OPPOSITE THE RAIL SPUR, EACH BUILDING HAS THREE DRIVE-IN BAYS. NO SILO CONSTRUCTION OBSERVED.

25X1D [REDACTED]

UKMERGE MRBM COMPLEX  
25X1D [REDACTED] NAC

25X1D 25X1D  
55-10-[REDACTED] N 024-39-[REDACTED] E

STATUS: OPERATIONAL

25X1A

REMARKS:

ALL COMPONENTS OF THE COMPLEX WERE OBSERVED. FOUR ERECTORS, EIGHT OXIDIZER TRANSPORTERS, AND FOUR FUEL TRANSPORTERS WERE VISIBLE AT BOTH LAUNCH SITES 1 AND 2. NO SILO CONSTRUCTION OBSERVED.

25X1D [REDACTED]

OTHER RESULTS-NO APPARENT CHANGE

POSTAVY IR/MRBM DIVISION HQ  
25X1D [REDACTED] NAC

25X1D 25X1D  
55-07-[REDACTED] N 026-52-[REDACTED] E

25X1A

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TOP SECRET RUFF  
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TOP SECRET RUFF

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TOP SECRET RUFF  
TALENT-KEYHOLE  
CONTROL SYSTEM ONLY

TCS 20420/70 - IPIR 17  
KH-4 MISSION 1111

SOVIET UNION  
DEPLOYED STRATEGIC SSM FACILITIES

STATUS: OPERATIONAL

REMARKS:  
NO SILO CONSTRUCTION OBSERVED.

25X1D

POSTAVY SSM TRAINING FACILITY  
NAC

25X1D  
55-07- N 026-53- E

25X1D

25X1A

STATUS: OCCUPIED

25X1D

SIAULIAI IR/MRBM DIVISION HQ

25X1D  
56-01- N 023-17- E

25X1D

25X1A

STATUS: UNKNOWN

REMARKS:  
NONE OF THE DIVISION HEADQUARTERS FACILITIES WERE VISIBLE. NO  
SILO CONSTRUCTION OBSERVED IN VISIBLE PORTION OF THE SEARCH  
AREA.

25X1D

TCS 20420/70 - IPIR 17  
KH-4 MISSION 1111

SOVIET UNION  
MISSILE RANGES

SIGNIFICANT RESULTS

25X1D [REDACTED] KAPUSTIN YAR RANGEHEAD TRACKING FAC 48-38- [REDACTED] N 045-45- [REDACTED] E 25X1D 25X1D  
25X1A  
STATUS: UNKNOWN

REMARKS:  
NEW PROBABLE CABLE SCARS INDICATE THE INTERFEROMETER MAY BE UNDERGOING MODIFICATION.

25X1D [REDACTED] 25X1D

25X1D [REDACTED] KAPUSTIN YAR/VLADIMIROVKA MSL TEST CTR 48-42- [REDACTED] N 046-00- [REDACTED] E 25X1D  
25X1A  
STATUS: OPERATIONAL

REMARKS:  
ALL LAUNCH COMPLEXES WERE VISIBLE. HOWEVER, LAUNCH COMPLEX B COULD BE IDENTIFIED ONLY. A POSSIBLE MISSILE EXERCISE WAS OBSERVED ON LAUNCH PAD 2C-2, AND POSSIBLE VEHICLES OR PIECES OF EQUIPMENT WERE OBSERVED IN LAUNCH AREAS 1C, 2C, 3C, 4C, AND 5C. ADDITIONAL GROUND SCRAPING AND NEW EXCAVATIONS WERE OBSERVED ON THE EAST SIDE OF SITE 5C-2.

25X1D [REDACTED]

OTHER RESULTS-NO APPARENT CHANGE

25X1D [REDACTED] KAPUSTIN YAR TRACKING FACILITY 48-33- [REDACTED] N 046-48- [REDACTED] E 25X1D  
NAC 25X1A  
STATUS: OPERATIONAL

25X1D [REDACTED]

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25X1D

Approved For Release 2000/04/17 : CIA-RDP78T04562A001200010001-4

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TALENT-KEYHOLE  
CONTROL SYSTEM ONLY

TCS 20420/70 - IPIR 17  
KH-4 MISSION 1111

SOVIET UNION  
AIR DEFENSE MISSILES

SIGNIFICANT RESULTS

25X1D



CHEKHOV ABM/SPACE RADAR SITE A

25X1D  
55-14- [redacted] N 037-18- [redacted] E

25X1D



25X1A

25X1D

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Approved For Release 2000/04/17 : CIA-RDP78T04562A001200010001-4  
TALENT-KEYHOLE  
CONTROL SYSTEM ONLY

TCS 20420/70 - IPIR 17  
KH-4 MISSION 1111

SOVIET UNION  
AIR DEFENSE MISSILES

25X1D  
[REDACTED]

STATUS: UNDER CONSTRUCTION

REMARKS:

25X1D BY [REDACTED], A TOTAL OF 12 PRINCIPAL STRUCTURAL MEMBERS AND AN EQUAL NUMBER OF SUPPORT MEMBERS HAD BEEN ERECTED ON THE NORTHERN SEGMENT OF THE ANTENNA FOUNDATION. THIS FRAMEWORK IS 66.8 METERS (219 FEET) IN OVERALL LENGTH. TWO STRUCTURAL MEMBERS WERE OBSERVED ON THE GROUND AT THE SOUTHERN END OF THE ANTENNA FOUNDATION. THESE MEMBERS ARE 43.2 METERS (142 FEET) IN LENGTH. THESE STRUCTURAL MEMBERS WILL APPARENTLY FORM PART OF THE FRAMEWORK FOR THE SOUTHERN SEGMENT OF THE ANTENNA. THE

25X1B [REDACTED]

NEARLY HALF OF THE ROOF ON THE CONTROL BUILDING WAS COMPLETE EXCEPT FOR WEATHER PROOFING. THE ROOF HAS BEEN INSTALLED ON A SUPPORT BUILDING IMMEDIATELY WEST OF THE CONTROL BUILDING. A PROBABLE STRUCTURE WAS OBSERVED UNDER CONSTRUCTION AT ONE OF THE PREVIOUSLY REPORTED EXCAVATIONS, NW OF THE CONTROL BUILDING. A SMALL AMOUNT OF ADDITIONAL TREE CLEARANCE WAS NOTED IN THE EASTERN PORTION OF THE SITE.

25X1D [REDACTED]

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TOP SECRET RUFF  
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TCS 20420/70 - IPIR 17  
KH-4 MISSION 1111

SOVIET UNION  
AIR DEFENSE MISSILES

25X1D [REDACTED] NAC 25X1D 48-54-[REDACTED]N 024-08-[REDACTED]E 25X1D  
DOLINA MRBM COMPLEX SAM SITE A18-2  
25X1A  
STATUS: OCCUPIED

25X1D [REDACTED]  
25X1D [REDACTED]  
25X1D [REDACTED] 25X1D 47-46-[REDACTED]N 037-34-[REDACTED]E 25X1D  
DONETSK SAM SITE B22-2  
25X1D [REDACTED] 25X1A  
STATUS: OCCUPIED

PHYSICAL DESCRIPTION:  
13 NM SW OF STALINO.

THE STAR-CONFIGURED SITE CONSISTS OF SIX REVETTED LAUNCH POSITIONS, A REVETTED GUIDANCE AREA, THREE REVETTED MISSILE-HOLD POSITIONS, AND ONE U-SHAPED PROBABLE STORAGE REVETMENT. THE ON-SITE SUPPORT CONSISTS OF ONE LARGE AND SIX SMALLER BUILDINGS.

25X1D [REDACTED]

25X1D [REDACTED] 25X1D 56-02-[REDACTED]N 043-58-[REDACTED]E 25X1D  
GORKIY SAM SITE B18-2  
25X1D [REDACTED] 25X1A  
STATUS: OCCUPIED

REMARKS:

A SIX-POSITION SA-5 LAUNCH SITE AND A SEPARATELY SECURED SQUARE PAIR RADAR AREA HAVE BEEN NEWLY CONSTRUCTED AT THIS SA-2 SITE.

25X1D [REDACTED] THE SIX LAUNCH POSITIONS ARE REVETTED AND HAVE BEEN CONSTRUCTED AROUND THE PERIMETER RING ROAD OF THE 25X1D

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TOP SECRET RUFF  
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TCS 20420/70 - IPIR 17  
KH-4 MISSION 1111

SOVIET UNION  
AIR DEFENSE MISSILES

SA-2 SITE. THE SIX SA-5 LAUNCH POSITIONS WERE OCCUPIED. A SQUARE PAIR RADAR WAS OBSERVED ON A MOUND IN A SEPARATELY SECURED AREA 700 METERS (2,300 FEET) SW OF THE SITE. A SECOND SMALLER MOUND OCCUPIED BY AN UNIDENTIFIED OBJECT IS ADJACENT TO THE SQUARE PAIR RADAR MOUND. THE ORIENTATION OF THE SA-5 SITE IS NE AT APPROXIMATELY 45 DEGREES.

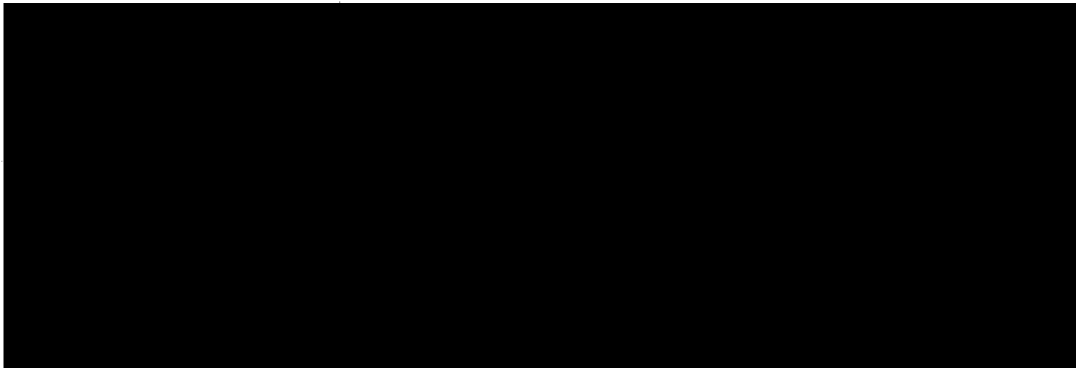
25X1D

25X1D

THE GUIDANCE AREA AND AT LEAST TWO LAUNCH POSITIONS OF THE SA-2 SITE WERE POSSIBLY OCCUPIED ON THIS MISSION.

(SEE ATTACHMENT)

25X1D



KALININGRAD SAM COMPLEX B10-5  
NAC

25X1D 25X1D  
54-41- N 021-00- E

25X1D

STATUS: OCCUPIED

25X1A

25X1D



KIMRY SAM COMPLEX A19-5  
NAC

25X1D 25X1D  
56-45- N 037-20- E

25X1D

STATUS: OCCUPIED

25X1A

25X1D



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TOP SECRET RUFF

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25X1D

Next 5 Page(s) In Document Exempt

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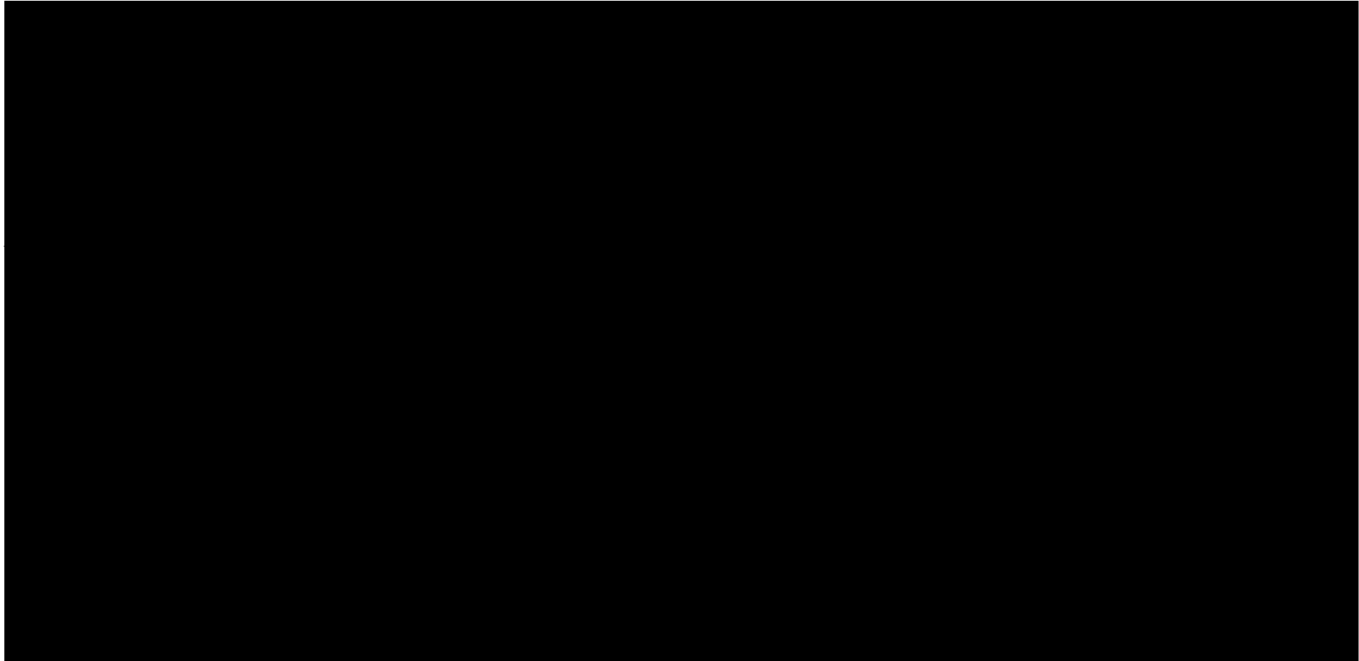


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TOP SECRET RUFF  
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CONTROL SYSTEM ONLY

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KH-4 MISSION 1111

SOVIET UNION  
AIR DEFENSE MISSILES

25X1D



MALOYAROSLAVETS SAM COMPLEX A19-5

25X1D 25X1D  
54-55-█ N 036-27-█ E

25X1D

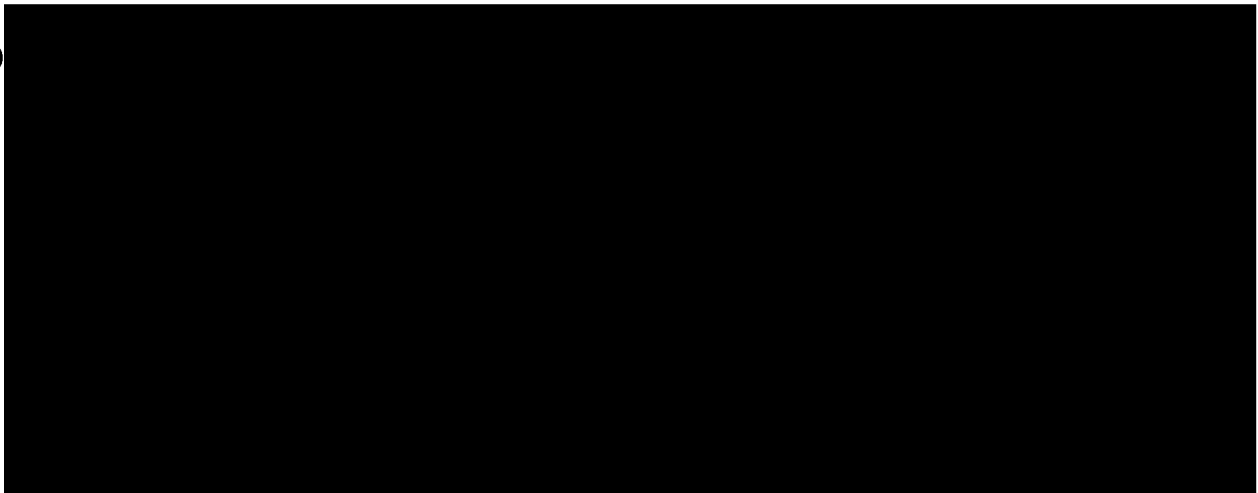


25X1A

STATUS: OCCUPIED

REMARKS:  
LIMITED CONSTRUCTION PROGRESS WAS OBSERVED.

25X1D



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TALENT-KEYHOLE  
CONTROL SYSTEM ONLY

TCS 20420/70 - IPIR 17  
KH-4 MISSION 1111

SOVIET UNION  
AIR DEFENSE MISSILES

MOSKVA ABM SUPPORT FACILITY BOROVSK

25X1D 25X1D  
55-18- [REDACTED] N 036-33- [REDACTED] E

25X1D [REDACTED]

25X1A

STATUS: OPERATIONAL

REMARKS:

APPROXIMATELY 33 GALOSH MISSILE CANISTERS WERE OBSERVED ON THE EASTERN MISSILE-HOLD HARDSTAND. THE WESTERN MISSILE-HOLD HARDSTAND CONTAINED NO MISSILE CANISTERS. TWO SMALL POSSIBLE VEHICLES WERE OBSERVED ON THE WESTERN HARDSTAND ON [REDACTED] 25X1D DARK-TONED MATERIAL WAS OBSERVED ON THE SURFACE OF THREE OF THE FOUR SEGMENTS OF THE WESTERN MISSILE-HOLD HARDSTAND. NO SIGNIFICANT STRUCTURAL CHANGES WERE OBSERVED IN THE OPERATIONS AREA OR THE SUPPORT AND HOUSING AREA.

MISSILE ORDER OF BATTLE:  
33 GALOSH CANISTERS  
(APPROXIMATELY)

25X1D [REDACTED]

Approved For Release 2000/04/17 : CIA-RDP78T04562A001200010001-4  
TOP SECRET RUFF  
TALENT-KEYHOLE  
CONTROL SYSTEM ONLY

TCS 20420/70 - IPIR 17  
KH-4 MISSION 1111

SOVIET UNION  
AIR DEFENSE MISSILES

MOSKVA ABM TRAINING SITE D25-1

25X1D 25X1D  
55-33-█ N 036-41-█ E

25X1D

25X1A

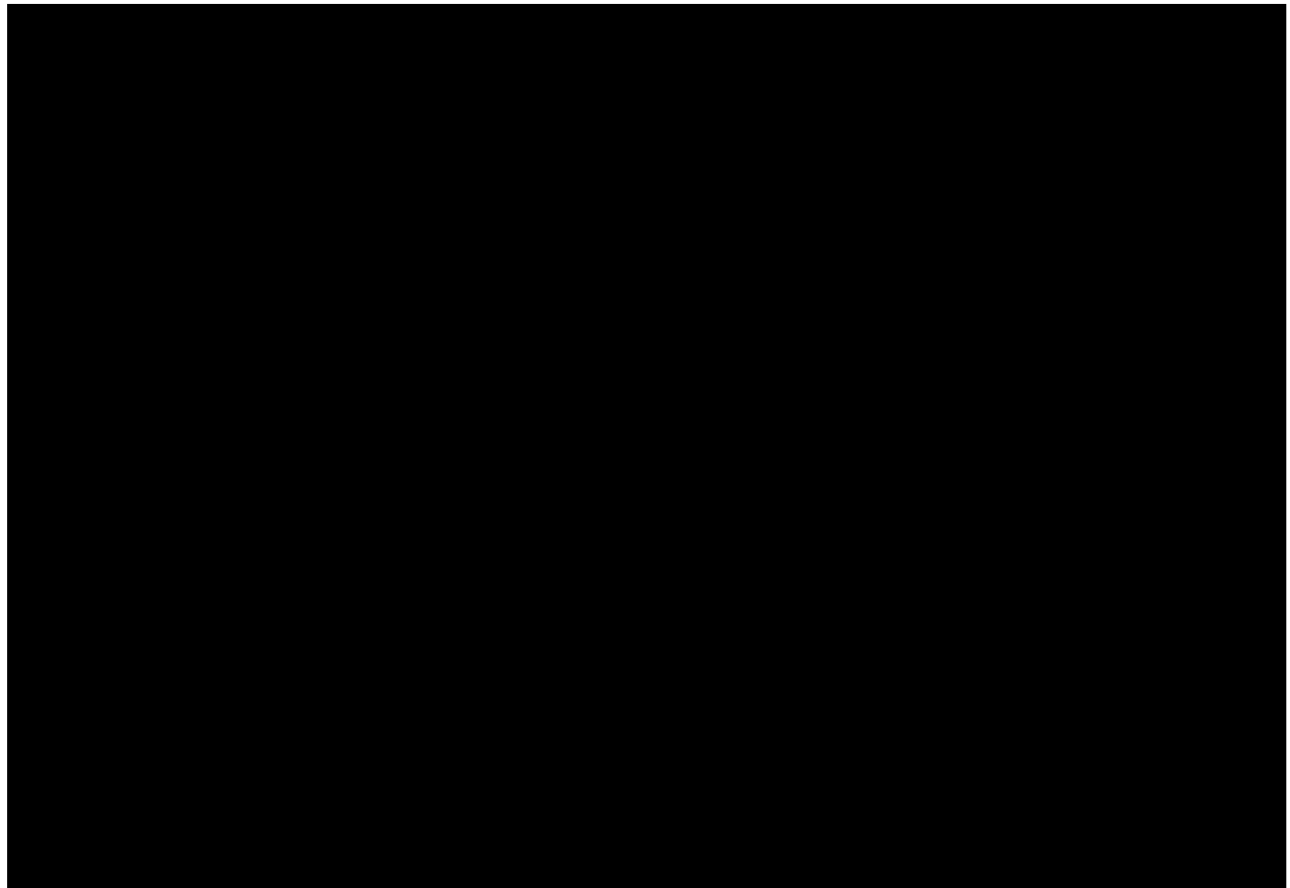
STATUS: OPERATIONAL

REMARKS:

AT LEAST THREE UNIDENTIFIED PIECES OF EQUIPMENT WERE OBSERVED ON THE FIGURE-8 DRIVER-TRAINING ROAD. THE GROUND ON EACH SIDE OF THE LAUNCHER ERECTOR APPEARED DARK IN TONE, INDICATING POSSIBLE EXCAVATION.

MISSILE ORDER OF BATTLE:  
3 UNIDENTIFIED PIECES OF  
EQUIPMENT (AT LEAST)

25X1D

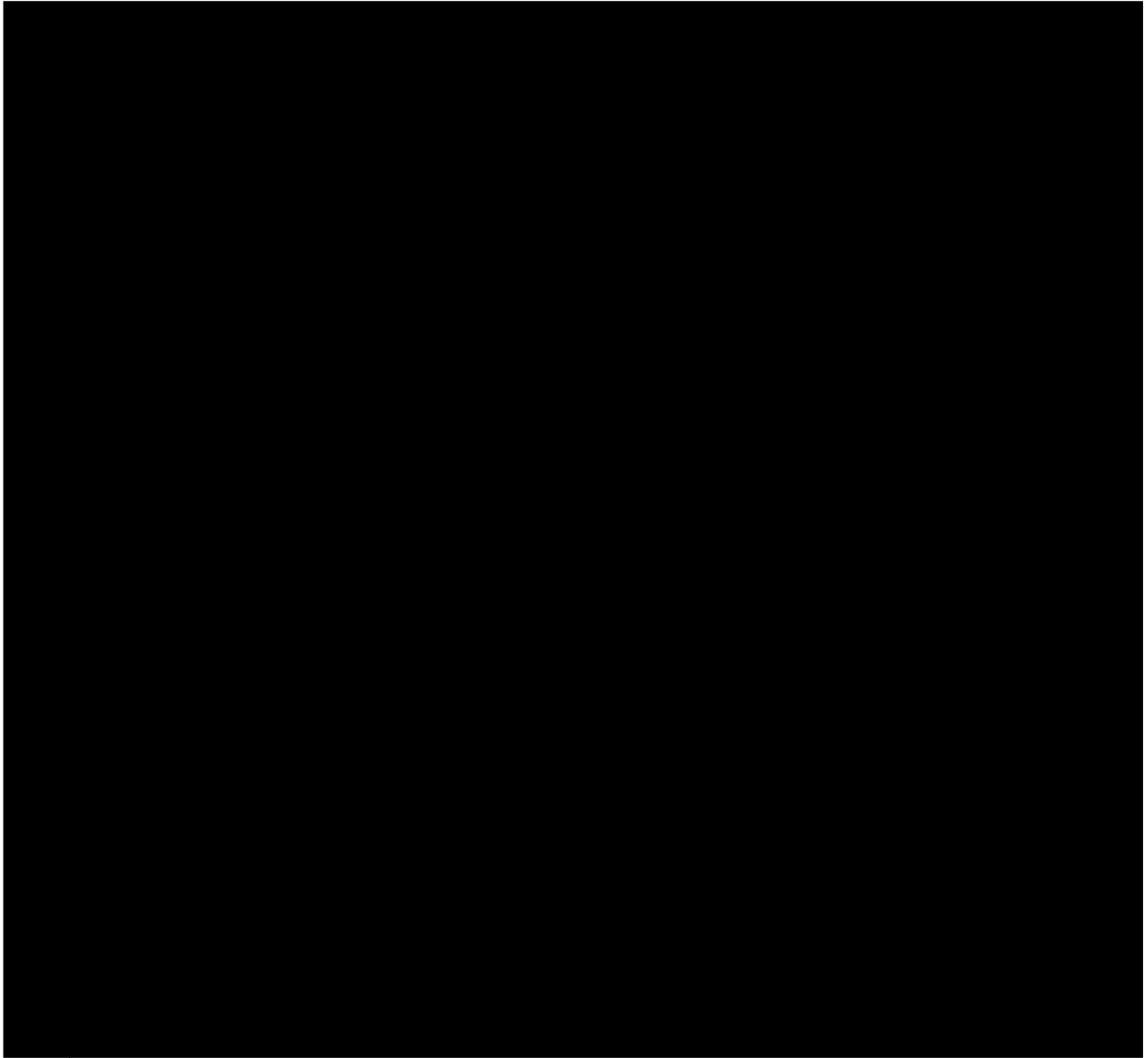


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TALENT-KEYHOLE  
CONTROL SYSTEM ONLY

TCS 20420/70 - IPIR 17  
KH-4 MISSION 1111

SOVIET UNION  
AIR DEFENSE MISSILES

25X1D



25X1D NARVA SAM COMPLEX B05-5 25X1A 25X1D 25X1D  
59-31- N 028-30- E

STATUS: OCCUPIED

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TALENT-KEYHOLE  
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TALENT-KEYHOLE  
CONTROL SYSTEM ONLY

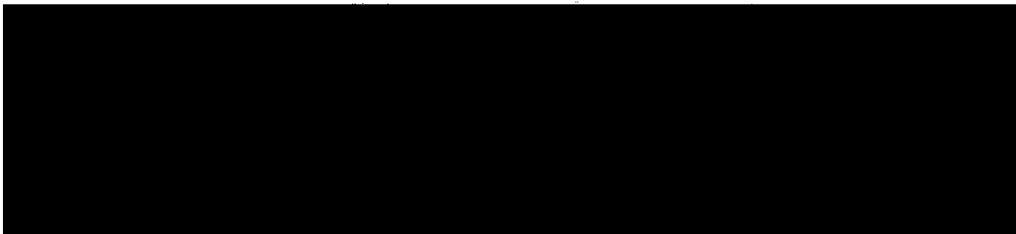
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KH-4 MISSION 1111

SOVIET UNION  
AIR DEFENSE MISSILES

REMARKS:

25X1D BY [REDACTED] MISSILE DOLLY RAILS HAD BEEN EMPLACED AT ALL POSITIONS IN SITES B AND C. CONSTRUCTION HAS CONTINUED AT THE MISSILE-HANDLING FACILITY WHICH CONTAINED TWO MISSILE STORAGE BUILDINGS AND NUMEROUS VEHICLES OR PIECES OF EQUIPMENT. THREE GABLE-ROOFED BUILDINGS HAVE BEEN CONSTRUCTED IN THE SUPPORT FACILITY.

25X1D



PERESLAVL-ZALESSKIY SAM COMPLEX A29-5 25X1D 56-45-[REDACTED] N 038-38-[REDACTED] E 25X1D

25X1D



25X1A

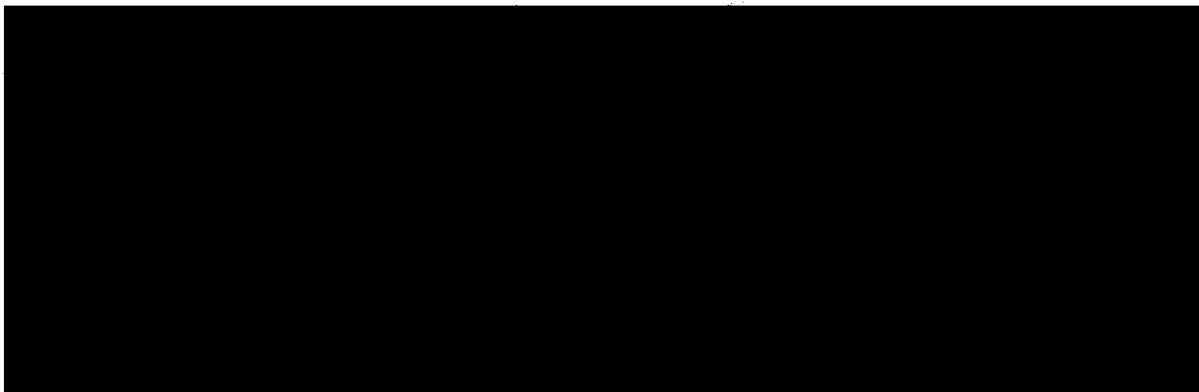
STATUS: OCCUPIED

REMARKS:

NO SIGNIFICANT CHANGES WERE NOTED SINCE MISSION [REDACTED]

25X1D

25X1D



STRYY SAM SITE B18-2  
NAC

25X1D



25X1D 49-04-[REDACTED] N 023-49-[REDACTED] E 25X1D

25X1A

STATUS: OCCUPIED

REMARKS:

THE SITE WAS PROBABLY OCCUPIED.

Approved For Release 2000/04/17 : CIA-RDP78T04562A001200010001-4  
HANDLE VIA TALENT-KEYHOLE CONTROL SYSTEM ONLY

TCS 20420/70 - IPIR 17  
KH-4 MISSION 1111

SOVIET UNION  
AIR DEFENSE MISSILES

25X1D

[REDACTED]

25X1D

25X1D

STRYY SAM SUPT FAC

49-14- [REDACTED] N 023-49- [REDACTED] E

25X1D

NAC

25X1A

STATUS: OPERATIONAL

25X1D

[REDACTED]

25X1D

25X1D

TULA SAM COMPLEX A28-5

25X1A

54-11- [REDACTED] N 037-26- [REDACTED] E

25X1D

[REDACTED]

STATUS: OCCUPIED

REMARKS:

THE TRACKING AND GUIDANCE FACILITY AND THE AIR WARNING RADAR FACILITY ARE COMPLETE AND OCCUPIED. OCCUPIED LAUNCH SITES A AND B ARE COMPLETE EXCEPT FOR THE INSTALLATION OF DOLLY TRACKS. CONSTRUCTION APPEARED TO HAVE BEEN DISCONTINUED AT SITE C AND RADAR POSITION C. CONSTRUCTION HAS CONTINUED AT THE MISSILE-HANDLING AND SUPPORT FACILITIES.

25X1D

[REDACTED]

Approved For Release 2000/04/17 : CIA-RDP78T04562A001200010001-4  
25X1D

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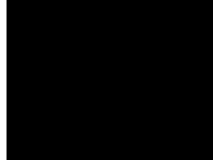
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KH-4 MISSION 1111

SOVIET UNION  
AIR DEFENSE MISSILES

MOSKVA ABM LAUNCH COMPLEX E21  
NAC

25X1D 25X1D  
55-04- [REDACTED] N 037-01- [REDACTED] E

25X1D

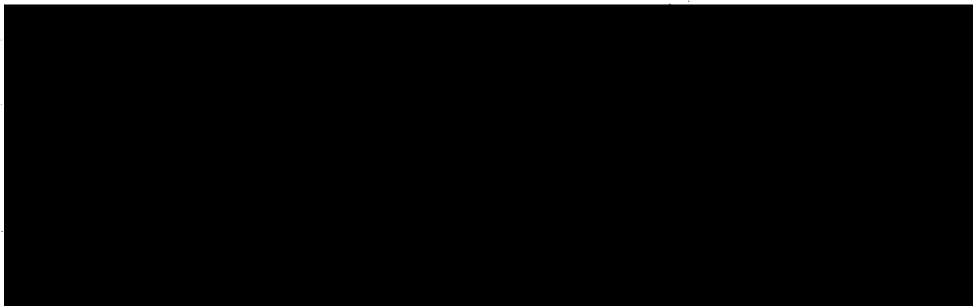


25X1A

STATUS: NOT OPERATIONAL

REMARKS:  
THERE WAS NO EVIDENCE OF RENEWED CONSTRUCTION AT THE COMPLEX.

25X1D



NARO-FOMINSK ABM/SPACE TRKNG RDR FAC B  
NAC

25X1D 25X1D  
55-29- [REDACTED] N 036-38- [REDACTED] E

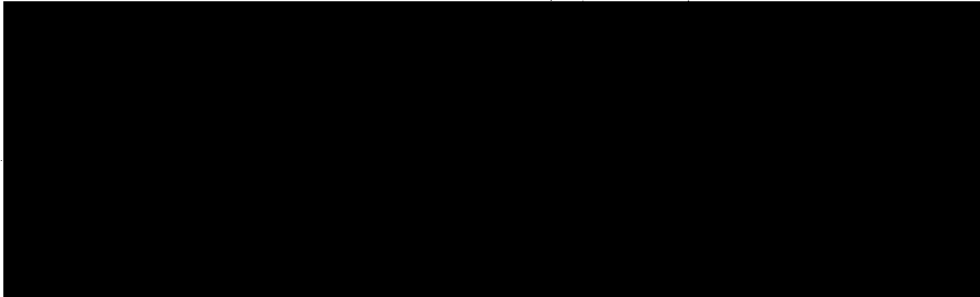
25X1D



25X1A

STATUS: COMPLETE

25X1D





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TOP SECRET RUFF  
HANDLE VIA  
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CONTROL SYSTEM ONLY

TCS 20420/70 - IPIR 17  
KH-4 MISSION 1111

SOVIET UNION  
AIR DEFENSE MISSILES

		25X1D	25X1D
	STRYY SAM SUPPORT FACILITY	49-13-	N 023-54-
25X1D	[REDACTED] NAC	[REDACTED] E	
	STATUS: UNKNOWN	25X1A	
25X1D	[REDACTED]		
	VILNIUS SAM COMPLEX A36-5	25X1D	25X1D
25X1D	[REDACTED] NAC	54-49-	N 025-17-
	STATUS: UNDER CONSTRUCTION	[REDACTED] E	
		25X1A	
25X1D	[REDACTED]		

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HANDLE VIA TALENT-KEYHOLE  
CONTROL SYSTEM ONLY

TCS 20420/70 - IPIR 17  
KH-4 MISSION 1111

SOVIET UNION  
INDUSTRY

SIGNIFICANT RESULTS

FAUSTOVO ROCKET ENGINE TEST FACILITY

25X1D 25X1D  
55-27- N 038-31- E

25X1D

25X1A

STATUS: OPERATIONAL

REMARKS:

A BUILDING WAS IN AN EARLY STAGE OF CONSTRUCTION ADJACENT TO THE BARRICADE NORTH OF THE HORIZONTAL TEST BUILDING.

25X1D

KURUMOCH ROCKET ENGINE TEST FACILITY

25X1D 25X1D  
53-32- N 049-51- E

25X1D

25X1A

STATUS: OPERATIONAL

ASSOCIATED OBJECTS:  
5 TWO-TONED TANKS WEST OF THE STEAMPLANT

25X1D

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TOP SECRET RUFF  
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SOVIET UNION  
INDUSTRY

MOSKVA SCI RSCH INST NII BOLSHEVO 4 25X1D 25X1D  
55-56- [REDACTED] N 037-50- [REDACTED] E

25X1D

[REDACTED]  
25X1A

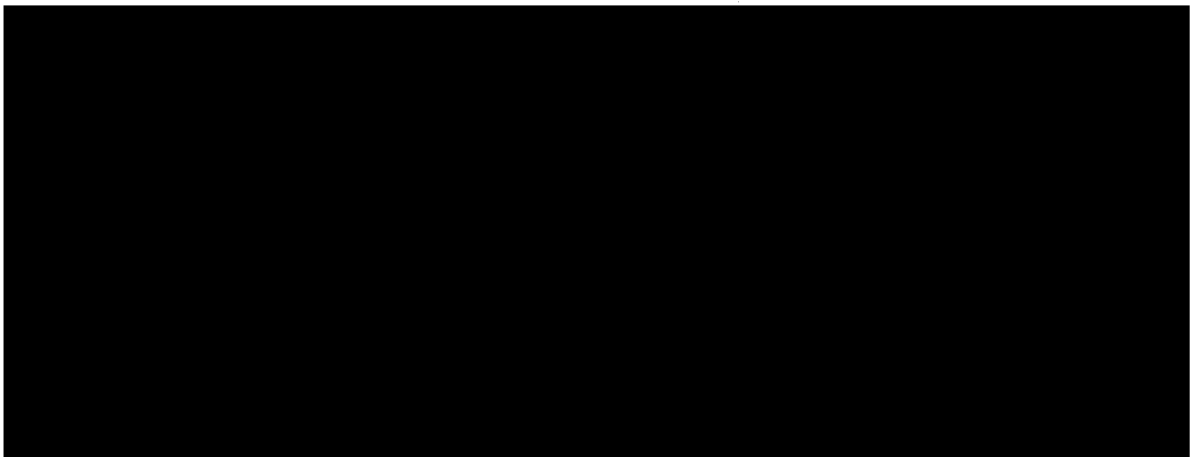
STATUS: OPERATIONAL

PHYSICAL DESCRIPTION:

2 NM NE OF MOSCOW MISSILE + SPACE DEVELOPMENT CENTER  
KALININGRAD 88.

THE INSTITUTE CONTAINS ONE BUILDING WITH THREE VARYING SIZED  
RADOMES ON THE ROOF, SIX SHOP AND SHOP/ASSEMBLY BUILDINGS, 13  
ADMINISTRATION/ENGINEERING BUILDINGS, 15 WAREHOUSE-TYPE  
BUILDINGS, 25 BARRACKS, AND NUMEROUS UTILITY AND SUPPORT  
STRUCTURES. ONE PROBABLE ENGINEERING BUILDING WAS IN AN EARLY  
STAGE OF CONSTRUCTION.

25X1D



MOSKVA SOLID MOTOR PROD PLT LYUBERTSY 25X1D 25X1D  
55-36- [REDACTED] N 037-52- [REDACTED] E

25X1D

[REDACTED]  
25X1A

STATUS: OPERATIONAL

REMARKS:

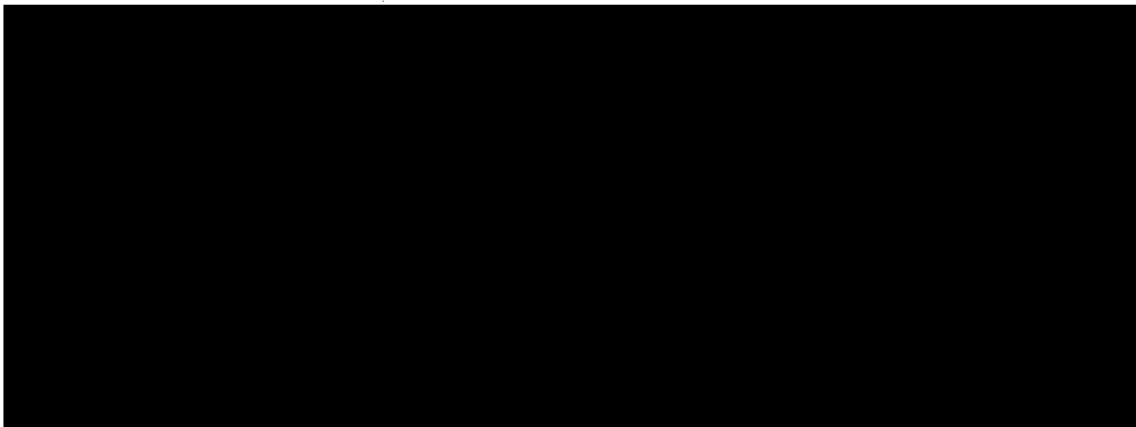
EXTENSIVE CONSTRUCTION WAS OBSERVED IN THE NEW AREA AT THE EAST  
END OF THE PLANT. CLEARLY DISCERNIBLE IN THE AREA WERE ONE  
LARGE COMPLETED BUILDING, ONE LARGE BUILDING IN A LATE STAGE OF  
CONSTRUCTION, AND ONE NEWLY OBSERVED SMALL BUILDING.

TOP SECRET RUFF  
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SOVIET UNION  
INDUSTRY

25X1D



VOTKINSK ARMS MACH AND STEEL PLT 235

25X1D 25X1D  
57-02- N 053-59- E

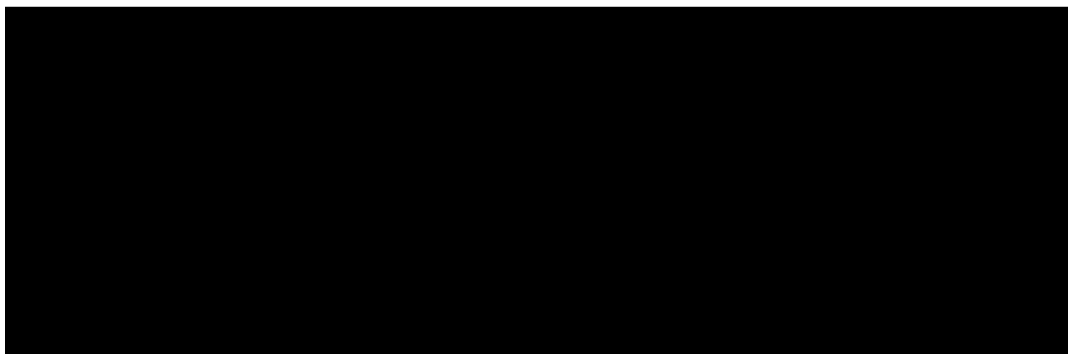
25X1D

25X1A

STATUS: OPERATIONAL

REMARKS:  
A ROAD PATTERN HAS BEEN BUILT IN THE NEW PRODUCTION COMPLEX.  
THE SMALL BUILDING NORTH OF THE NEW SHOP ASSEMBLY BUILDING  
APPEARS COMPLETE, BUT THE ADMINISTRATION/ENGINEERING BUILDINGS  
REMAINED UNDER CONSTRUCTION. A HEAT TREATMENT BUILDING IN THE  
CENTER OF THE PLANT AREA WAS BEING REBUILT.

25X1D



VOTKINSK POSSIBLE MISSILE RELATED FAC

25X1D 25X1D  
57-01- N 054-09- E

25X1D

25X1A

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TALENT-KEYHOLE  
CONTROL SYSTEM ONLY

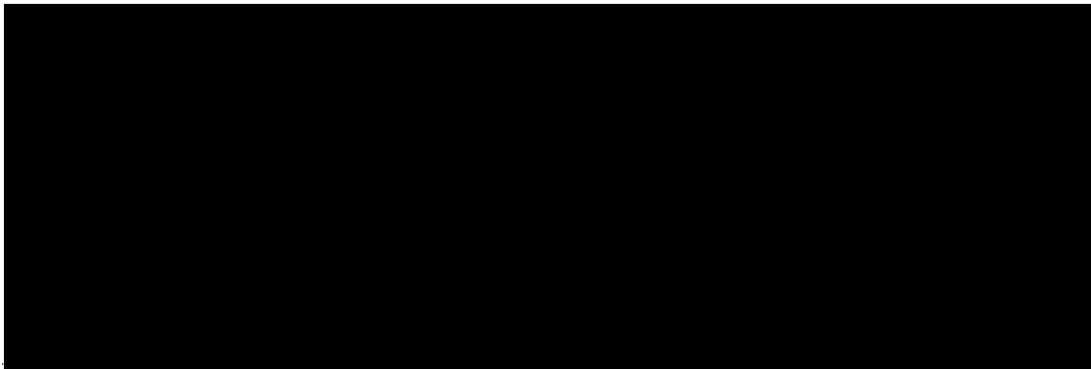
TCS 20420/70 - IPIR 17  
KH-4 MISSION 1111

SOVIET UNION  
INDUSTRY

STATUS: OPERATIONAL

REMARKS:  
MINOR GROUND CLEARING IS NEWLY OBSERVED NORTH OF THE SECURED  
AREA.

25X1D



OTHER RESULTS-NO APPARENT CHANGE

ULYANOVSK MCH + AMMO LDG PLT VLDRSKY 3  
NAC

25X1D 25X1D  
54-20-█ N 048-29-█ E

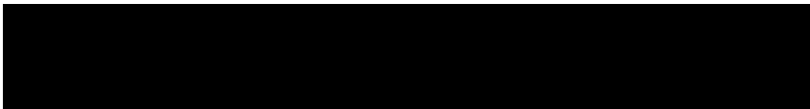
25X1D



25X1A

STATUS: OPERATIONAL

25X1D



ULYANOVSK MOTOR VEHICLE PLANT  
NAC

25X1D 25X1D  
54-18-█ N 048-20-█ E

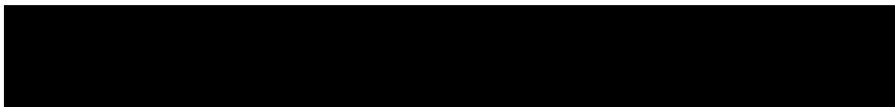
25X1D



25X1A

STATUS: OPERATIONAL

25X1D



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25X1D

Next 1 Page(s) In Document Exempt

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**Attachments**

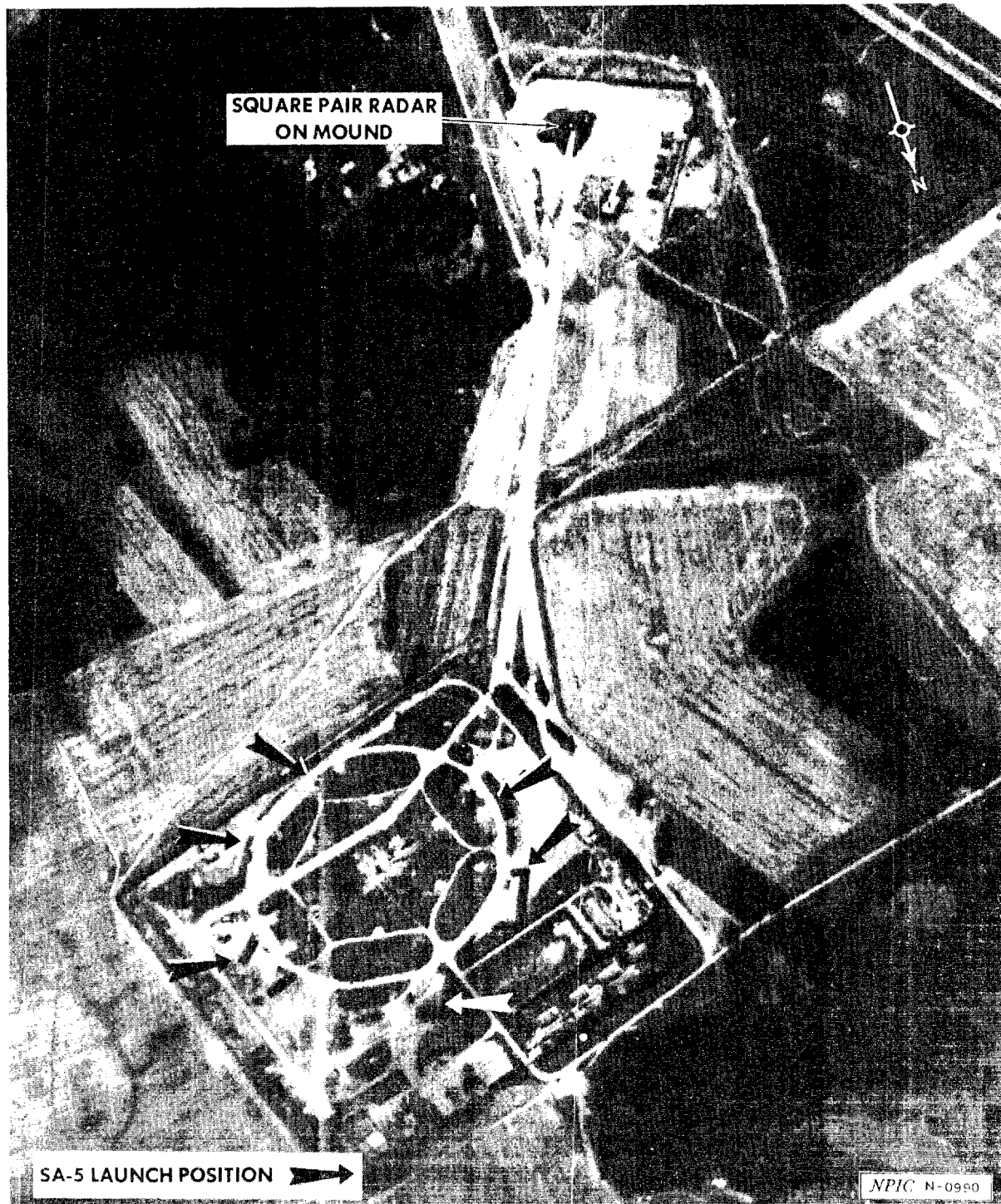
Handle Via  
Talent-KEYHOLE  
Control System Only

TOP SECRET RUFF

KH-4 MISSION 1111, 23 JULY - 10 AUGUST 1970

TCB-20420/70

ATTACHMENT 1



SA-5 LAUNCH SITE ZORKIY CAN SITE R18-2, USSR

25X1A

TOP SECRET RUFF

Handle Via  
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