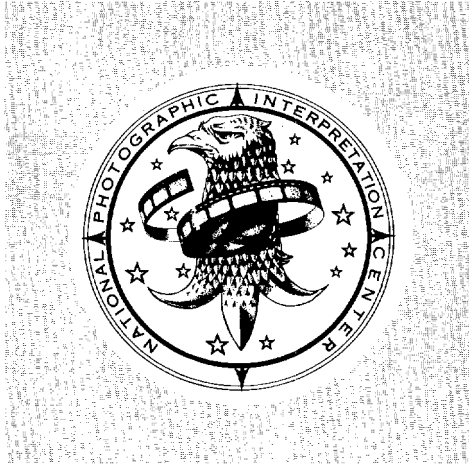


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NATIONAL PHOTOGRAPHIC
INTERPRETATION CENTER

OAK

PHOTOGRAPHIC INTERPRETATION REPORT

KH-4 MISSION 1109

IPIR NUMBER 2

MISSION 1109-I OAK PART II



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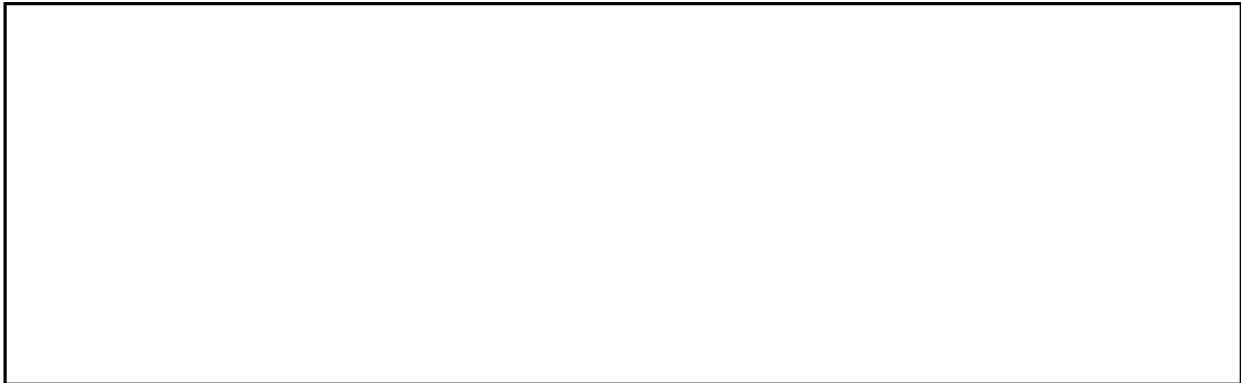
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**TARGET CATEGORIES
AND
ASSOCIATED NTP FUNCTIONAL AREAS (CODES)**

- | | |
|--|---|
| 1. STRATEGIC SSM
Deployed Strategic SSM Facilities (A) | 7. GROUND
Ground Force Facilities (G) |
| 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) | 8. TACTICAL SSM
Deployed Tactical SSM Facilities (H) |
| 3. AIR DEFENSE MISSILES
Deployed AMM Facilities (B)
Deployed SAM Facilities (D) | 9. LOGISTICS
Military Logistics Facilities (K) |
| 4. ELECTRONICS/COMMUNICATIONS
Deployed Communication/Electronic/Radar Facilities (C) | 10. NUCLEAR ENERGY
Atomic Energy Facilities (O) |
| 5. AIR
Air Base Facilities (E) | 11. CBR
CBR Facilities (V) |
| 6. NAVAL
Naval Base Facilities (F) | 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.).

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PREFACE

PREFACE

THIS IS THE SECOND AND FINAL OAK REPORT ON MISSION 1109-1. FOR COMPLETE PREFACE SEE OAK PART 1, 1109-1.

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HIGHLIGHTS

KH-4 MISSION 1109-1

MISSION HIGHLIGHTS

1. USSR

MISSILE ACTIVITY

TWENTY-EIGHT ICBM LAUNCH SITES ARE NEWLY IDENTIFIED ON THIS MISSION. SEVEN SS-11 LAUNCH SITES ARE IN EXISTING GROUP Q AT KOZELSK. SIXTEEN SS-11 LAUNCH SITES ARE IDENTIFIED AT TEYKOVO -- TWO FILL OUT LAUNCH GROUP F; SIX ARE IN EXISTING GROUP G, AND EIGHT ARE IN NEWLY IDENTIFIED GROUP H. THE REMAINING FIVE NEW SITES ARE SS-13 LAUNCH SITES WHICH ARE IDENTIFIED IN EXISTING GROUPS E AND F AT YOSHKAR-OLA. THIS FILLS OUT THE SIX KNOWN SS-13 LAUNCH GROUPS AT THIS COMPLEX.



2. CHINA

MISSILE ACTIVITY

A NEWLY IDENTIFIED OCCUPIED SA-2 SITE IS OBSERVED APPROXIMATELY 12 NM SOUTHWEST OF ANSHAN.



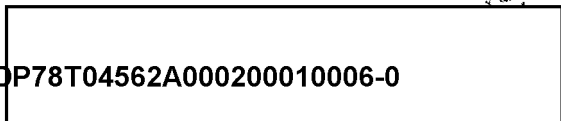
3. USSR - CHINA - MONGOLIA BORDER

AIR ACTIVITY

A NEW AIRFIELD IS OBSERVED 17.5 NM EAST OF BALKHASH, USSR, IN THE TASHKENT MILITARY DISTRICT, 235 NM WEST OF THE USSR-CHINA BORDER. IT HAS A 3,160 X 116-METER (10,370 X 380-FOOT) SERVICEABLE GRADED-EARTH RUNWAY. THE FIELD IS DESIGNATED AS BALKHASH AIRFIELD EAST.

IN NORTH CENTRAL MONGOLIA, A NEW AIRFIELD IS OBSERVED JUST

TOP SECRET



TOP SECRET**HIGHLIGHTS**

KH-4 MISSION 1109-1

SOUTH OF DARHAN ARMY BARRACKS AND 50 NM SOUTH OF THE USSR-MONGOLIA BORDER. THE SERVICEABLE GRADED-EARTH RUNWAY MEASURES 1,859 X 35 METERS (6,100 X 115 FEET). THE FIELD IS DESIGNATED AS DARHAN AIRFIELD.

4. EGYPT**MISSILE ACTIVITY**

A POSSIBLE SURFACE-TO-AIR SA-3 MISSILE SITE IS OBSERVED UNDER CONSTRUCTION 5 NM SOUTHEAST OF ALEXANDRIA. THIS IS THE FIRST IDENTIFICATION FROM KEYHOLE PHOTOGRAPHY OF POSSIBLE SA-3 DEPLOYMENT IN EGYPT.

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KH-4 MISSION 1109-1

CHINA, COMMUNIST
AIR DEFENSE MISSILES

SIGNIFICANT RESULTS

25X1D

AN-SHAN SAM SITE B23-2

25X1A

41-00-10N 122-48-16E

[REDACTED]

[REDACTED]

STATUS: COMPLETE

PHYSICAL DESCRIPTION:

11.5 NM SW OF ANSHAN.

25X1A

THE NEWLY IDENTIFIED SA-2 SITE, AT THE ABANDONED KENGCHUANGTZO AIRFIELD (BE [REDACTED]), CONSISTS OF SIX REVETTED LAUNCH POSITIONS (FOUR OCCUPIED AND TWO POSSIBLY OCCUPIED) IN A SEMICIRCULAR PATTERN. THE CENTRAL GUIDANCE AREA IS UNRETTED AND CONTAINS ONE LARGE AND FIVE SMALLER BUILDINGS/STRUCTURES. THE GUIDANCE RADAR IS NOT DISCERNIBLE. THREE MISSILE-HOLD BUILDINGS ARE ON THE PERIMETER ROAD. A POSSIBLE ACQUISITION RADAR POSITION IS IMMEDIATELY NORTH OF THE PERIMETER ROAD.

A HOUSING/SUPPORT AREA CONTAINING 16 BUILDINGS IS 300 METERS (984 FEET) NORTH OF THE LAUNCH POSITIONS. ANOTHER SUPPORT AREA CONTAINING THREE LARGE AND EIGHT SMALL BUILDINGS IS 1,400 METERS (4,592 FEET) NORTH OF THE LAUNCH POSITIONS.

THE SITE WAS NOT EVIDENT ON [REDACTED]

25X1D

25X1D

[REDACTED]

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[REDACTED]

25X1

25X1

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25X1

KH-4 MISSION 1109-1

UNITED ARAB REPUBLIC
AIR DEFENSE MISSILES

SIGNIFICANT RESULTS

25X1D

AL ISKANDARIYAH POSSIBLE SA-3 SITE

31-08-00N 029-56-40E

25X1A

STATUS: UNDER CONSTRUCTION

PHYSICAL DESCRIPTION:

5 NM SE OF ALEXANDRIA (AL ISKANDARIYAH).
THE NEWLY IDENTIFIED POSSIBLE SA-3 SITE IS OF A B
CONFIGURATION. A SITE ACCESS ROAD LEADS TO A LOOP ROAD
APPROXIMATELY [REDACTED] (370
FEET) IN DIAMETER. FOUR APPENDAGES, APPROXIMATELY [REDACTED]
[REDACTED] APART, ARE AROUND THE LOOP ROAD. A BUILDING AND
EXCAVATION ACTIVITY ARE OBSERVED INSIDE THE LOOP ROAD. A ROAD
RUNS PERPENDICULAR TO THE SITE ACCESS ROAD AND TERMINATES JUST
BEYOND THE OUTER LIMITS OF THE LOOP ROAD. IN ADDITION, AN AREA
OF CONSTRUCTION IS JUST WEST OF THE ENTRANCE TO THE POSSIBLE
SITE.

25X1D

25X1D

25X1D

SMALL-SCALE PHOTOGRAPHY PRECLUDES THE IDENTIFICATION OF
EQUIPMENT. THE POSSIBLE SITE APPEARS TO BE IN AN
EARLY-TO-MIDSTAGE OF CONSTRUCTION. REVETMENT WALLS ARE NOT IN
EVIDENCE AT THE FOUR APPENDAGES ALONG THE LOOP ROAD. THE
POSSIBLE SITE WAS NOT PRESENT ON [REDACTED]

25X1D

25X1D

[REDACTED]

[REDACTED]

25X1

25X1

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25X1

KH-4 MISSION 1109-1

UNITED ARAB REPUBLIC
AIR BASE FACILITIES

SIGNIFICANT RESULTS

AL MINYA AIRFIELD

28-06-12N 030-43-44E

25X1D

[Redacted]

[Redacted]

25X1

STATUS: OPERATIONAL

REMARKS:

TWENTY-THREE OF THE 35 AIRCRAFT OBSERVED ARE NET COVERED.

AIR ORDER OF BATTLE:
35 SMALL STRAIGHT-WING (AT
LEAST)

25X1D

[Redacted]

BENI SUEF AIRFIELD

29-11-55N 031-01-00E

25X1D

[Redacted]

[Redacted]

25X1

STATUS: OPERATIONAL

AIR ORDER OF BATTLE:

3 SMALL DELTA-WING

2 CAT/CUB/CAMP

5 PROB SMALL SWEEP-WING

25X1D

[Redacted]

CAIRO AIRFIELD

30-08-26N 031-24-20E

25X1D

[Redacted]

[Redacted]

STATUS: OPERATIONAL

25X1A

AIR ORDER OF BATTLE:

1 707-TYPE AIRCRAFT

1 LIGHT STRAIGHT-WING

7 MEDIUM STRAIGHT-WING

25X1D

[Redacted]

25X1

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25X1

KH-4 MISSION 1109-1

**UNITED ARAB REPUBLIC
AIR BASE FACILITIES**

25X1D

CAIRO AIRFIELD WEST

25X1A

30-07-00N 030-55-11E

[Redacted]

[Redacted]

[Redacted]

STATUS: OPERATIONAL

25X1A

REMARKS:

A ROAD HAS BEEN CONSTRUCTED ALONG THE WESTERN AND NW PERIMETER OF THE AIRFIELD.

AIR ORDER OF BATTLE:

7 BADGER

1 POSS LIGHT STRAIGHT-WING

25X1D

[Redacted]

25X1D

HURGHADA AIRFIELD NEW

25X1A

27-11-09N 033-47-56E

[Redacted]

[Redacted]

[Redacted]

STATUS: OPERATIONAL

25X1A

REMARKS:

CONSTRUCTION CONTINUES ON SUPPORT FACILITIES.

AIR ORDER OF BATTLE:

1 SMALL SWEEP-WING

1 POSS SMALL AIRCRAFT

25X1D

[Redacted]

25X1D

RAS BANAS AIRFIELD

23-58-14N 035-27-22E

[Redacted]

[Redacted]

[Redacted]

STATUS: OPERATIONAL

25X1A

25X1A

AIR ORDER OF BATTLE:

1 LIGHT STRAIGHT-WING

25X1D

[Redacted]

25X1

25X1

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25X1

KH-4 MISSION 1109-1

UNITED ARAB REPUBLIC
AIR BASE FACILITIES

OTHER RESULTS-NO APPARENT CHANGE

FAID AIRFIELD

30-19-58N 032-16-06E

25X1D

[Redacted]

[Redacted]

STATUS: OPERATIONAL

25X1A

AIR ORDER OF BATTLE:
NONE DISCERNIBLE

25X1D

[Redacted]

INCHAS AIRFIELD

30-20-04N 031-26-50E

25X1D

[Redacted]

[Redacted]

STATUS: OPERATIONAL

25X1A

AIR ORDER OF BATTLE:
NONE DISCERNIBLE

25X1D

[Redacted]

[Redacted]

25X1

25X1

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[Redacted]

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25X1

KH-4 MISSION 1109-1

UNITED ARAB REPUBLIC
NAVAL BASE FACILITIES

SIGNIFICANT RESULTS

AL ISKANDARIYAH NVB + HQ NATIONAL

31-11-50N 029-52-00E

25X1D

[Redacted]

[Redacted]

STATUS: OCCUPIED

25X1A

25X1D

NAVAL ORDER OF BATTLE:

[Redacted] -- AT NAVAL BASE

1 PROB DD

4 PROB SMALL COMBATANTS

25X1D

[Redacted] -- AT INNER HARBOR

14 FREIGHTERS

1 FLOATING DRYDOCK

25X1D

[Redacted] -- AT AL QABBARI SHIPYARD

2 POSS SS

3 VESSELS IN GRAVING DOCK

1 PROB DD

1 UNIDENTIFIED LARGE VESSEL

2 POSS LANDING CRAFT

25X1D

[Redacted] -- AT OUTER HARBOR

2 FLOATING DRYDOCKS (1 WITH
A SMALL VESSEL)

11 PROB FREIGHTERS

3 PROB TANKERS

25X1D

[Redacted]

[Redacted]

25X1

25X6

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[Redacted]

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25X1

KH-4 MISSION 1109-1

MONGOLIA
AIR BASE FACILITIES

SIGNIFICANT RESULTS

25X1D

DARHAN AIRFIELD

25X1A

49-30-00N 105-55-00E

[Redacted]

[Redacted]

STATUS: OPERATIONAL

PHYSICAL DESCRIPTION:

ON THE SOUTH EDGE OF DARHAN, A 1,859 X 35-METER (6,100 X 115-FOOT) N/S SERVICEABLE GRADED-EARTH RUNWAY WITH A GRADED-EARTH PARKING APRON AND CONNECTING TAXIWAY.

AIR ORDER OF BATTLE:

NONE DISCERNIBLE

25X1D

[Redacted]

[Redacted]

25X1

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[Redacted]

25X1

KH-4 MISSION 1109-1 SOVIET UNION DEPLOYED STRATEGIC SSM FACILITIES

SIGNIFICANT RESULTS

25X1D

GLADKAYA ICBM COMPLEX 25X1A 56-15-15N 092-13-25E

STATUS: OPERATIONAL

25X1A

REMARKS: THREE SS-7 LAUNCH SITES, 50 SS-11 LAUNCH SITES, THE HEADQUARTERS COMMAND AND CONTROL FACILITY, THE COMPLEX SUPPORT FACILITIES, THE RAIL-TO-ROAD TRANSFER POINT, AND THE TRAINING SITE ARE OBSERVED. NO NEW MISSILE ACTIVITY IS OBSERVED IN THE EASTERN 70 PERCENT OF THE SEARCH AREA COVERED ON PHOTOGRAPHY.

25X1D

[Redacted]

25X1D

ITATKA ICBM COMPLEX 25X1A 56-56-20N 085-36-10E

STATUS: OPERATIONAL

25X1A

REMARKS: ALL COMPONENTS OF THE COMPLEX ARE OBSERVED. NO NEW MISSILE FACILITIES ARE OBSERVED IN THE EASTERN TWO-THIRDS OF THE SEARCH AREA COVERED ON PHOTOGRAPHY.

25X1D

[Redacted]

25X1D

KOZELSK ICBM COMPLEX 25X1A 53-51-30N 035-45-40E

STATUS: OPERATIONAL

25X1A

REMARKS: THE ENTIRE COMPLEX IS COVERED. SEVEN SS-11 LAUNCH SITES, DESIGNATED 1260-1320, ARE NEWLY IDENTIFIED IN EXISTING GROUP O, FILLING OUT THIS GROUP. NO OTHER NEW MISSILE ACTIVITY IS OBSERVED. ALL OF THE LAUNCH SITES IN GROUPS N, O, AND P ARE NOW COMPLETE.

[Redacted]

25X1

25X1

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25X1

KH-4 MISSION 1109-1

SOVIET UNION
DEPLOYED STRATEGIC SSM FACILITIES

DATA FOR THE NEWLY IDENTIFIED SITES --

LAUNCH SITE	GEOGRAPHIC COORDINATES	CONST STAGE	NOT PRESENT	FIRST SEEN
126Q	540630N 0350900E	MID	[Redacted]	
127Q	540930N 0350600E	MID		
128Q	541000N 0350100E	MID		
129Q	541100N 0345600E	MID		
130Q	540830N 0345400E	MID		
131Q	540700N 0344900E	MID		
132Q	540600N 0345330E	MID		

25X1D

PHOTOGRAPHIC REFERENCES FOR THE NEW SITES --

126Q	--	[Redacted]
127Q	--	[Redacted]
128Q	--	[Redacted]
129Q	--	[Redacted]
130Q	--	[Redacted]
131Q	--	[Redacted]
132Q	--	[Redacted]

25X1D

25X1D

[Redacted]

TEYKOVO ICBM COMPLEX

25X1A

56-55-40N 040-30-20E

25X1D

[Redacted]

[Redacted]

[Redacted]

25X1A

STATUS: OPERATIONAL

REMARKS:

ALL KNOWN ELEMENTS OF THE COMPLEX ARE OBSERVED, INCLUDING 15 CONFIRMED AND ONE PROBABLE NEWLY IDENTIFIED SS-11 SINGLE-SILO LAUNCH SITES. TWO OF THE NEW SITES, DESIGNATED 74F AND 75F, FILL OUT LAUNCH GROUP F. THE 13 OTHER NEW SITES, DESIGNATED 76H-80H, 81G-84G, 85H-87H, PROBABLE 88G, AND 89G, ARE IN PREVIOUSLY KNOWN LAUNCH GROUP G AND NEWLY IDENTIFIED LAUNCH GROUP H. BOTH OF THESE GROUPS NOW HAVE EIGHT SITES THUS FAR IDENTIFIED. THE NEW GROUP IS THE EIGHTH GROUP TO BE IDENTIFIED AT THIS COMPLEX. LAUNCH SITE 79H IS THE CONTROL SITE FOR THE H GROUP. THE LAST FOUR SITES IN LAUNCH GROUP D AND ALL SITES IN LAUNCH GROUPS E AND F ARE NOW COMPLETE. THIS BRINGS TO SIX THE

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SOVIET UNION
DEPLOYED STRATEGIC SSM FACILITIES

NUMBER OF COMPLETED GROUPS AT THIS COMPLEX.

NO SIGNIFICANT ACTIVITY IS OBSERVED AT ANY OF THE SIX SS-7 SOFT SITES. THE RAILHEAD AND STORAGE AREA OF THE COMPLEX SUPPORT FACILITIES CONTAINS A MODERATE AMOUNT OF MATERIALS. THE FOUR ARCH-ROOFED BUILDINGS IN THE SS-11 PROPELLANT FACILITY OF THE RAIL-TO-ROAD TRANSFER POINT HAVE BEEN EARTH-MOUNDED. NO OTHER SIGNIFICANT ACTIVITY OR NEW MISSILE FACILITIES ARE OBSERVED IN THE WESTERN 60 PERCENT OF THE SEARCH AREA.

DATA FOR THE NEW SITES --

LAUNCH SITE	GEOGRAPHIC COORDINATES	CONST STAGE	NOT PRESENT	FIRST SEEN
74F	5642N 03940E	COMPLETE	[REDACTED]	[REDACTED]
75F	5643N 03932E	COMPLETE		
76H	5658N 03943E	UNDET		
77H	5657N 03937E	UNDET		
78H	5653N 03931E	UNDET		
79H	5654N 03936E	UNDET		
80H	5652N 03948E	UNDET		
81G	5650N 03957E	UNDET		
82G	5645N 04016E	UNDET		
83G	5647N 04017E	UNDET		
84G	5644N 04008E	UNDET		
85H	5655N 03948E	UNDET		
86H	5656N 03931E	UNDET		
87H	5656N 03943E	UNDET		
PROB 88G	5653N 04001E	UNDET		
89G	5647N 03959E	UNDET		

25X1D

PHOTOGRAPHIC REFERENCES FOR THE NEW SITES --

74F --	[REDACTED]
75F --	
76H --	
77H --	
78H --	
79H --	
80H --	
81G --	
82G --	
83G --	
84G --	
85H --	
86H --	
87H --	
PROB 88G --	
89G --	

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KH-4 MISSION 1109-1

SOVIET UNION
DEPLOYED STRATEGIC SSM FACILITIES

25X1D

[Redacted]

YOSHKAR-OLA ICBM COMPLEX

25X1A

56-34-30N 048-10-30E

[Redacted]

[Redacted]

[Redacted]

25X1D

25X1A

STATUS: OPERATIONAL

REMARKS:

ALL ELEMENTS OF THE COMPLEX ARE INTERPRETABLE, INCLUDING FIVE NEWLY IDENTIFIED SS-13 SINGLE-SILO LAUNCH SITES, DESIGNATED 70F, 75F, AND 72E-74E, AND ONE SS-13 LAUNCH CONTROL FACILITY, F. THIS FILLS OUT THE SIX KNOWN SS-13 LAUNCH GROUPS. CONSTRUCTION IS COMPLETE AT GROUPS A AND B, AND CONTINUES AT GROUPS C-F. VEHICULAR, RAIL, AND MATERIAL LEVELS APPEAR TO BE NORMAL AT THE COMPLEX SUPPORT FACILITY AND THE RAIL-TO-ROAD TRANSFER POINT. NO OTHER SIGNIFICANT ACTIVITY IS OBSERVED.

DATA FOR THE NEW SITES --

LAUNCH SITE	GEOGRAPHIC COORDINATES	CONST STAGE	NOT PRESENT	FIRST SEEN
70F	565118N 0490320E	EARLY	[Redacted]	[Redacted]
72E	570045N 0483150E	EARLY		
73E	565800N 0484150E	EARLY		
74E	565715N 0485320E	EARLY		
75F	564815N 0490230E	EARLY		
LCF F	565039N 0485138E	--		

25X1D

PHOTOGRAPHIC REFERENCES FOR THE NEW SITES --

72E -- [Redacted]
 73E -- [Redacted]
 74E -- [Redacted]
 70F -- [Redacted]
 75F -- [Redacted]
 LCF F -- [Redacted]

25X1D

25X1D

[Redacted]

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KH-4 MISSION 1109-1

SOVIET UNION
MISSILE RANGES

SIGNIFICANT RESULTS

25X1D

SARY-SHAGAN MISSILE TEST CENTER

46-11-05N 072-41-30E

[REDACTED]

[REDACTED]

[REDACTED]

25X1A

25X1A

STATUS: OPERATIONAL

REMARKS:

THE SARY-SHAGAN ASAT/SPACE TRACKING RADAR FACILITY, LAUNCH COMPLEX A, SAM COMPLEXES D10-5 AND B04-5, SAM SITE E06-2, TRACKING FACILITIES 6-16, AND A SMALL SEGMENT OF THE OPERATIONAL SUPPORT BASE ARE COVERED. NO NEW AREAS OF MISSILE-RELATED ACTIVITY ARE OBSERVED.

THE ABM-RELATED AREA OF ACTIVITY IN THE NORTHERN PART OF LAUNCH COMPLEX A IS DESIGNATED LAUNCH COMPLEX F. THE FACILITIES THAT WILL BE CONSIDERED AS A PART OF THE NEW LAUNCH COMPLEX ARE THE FOLLOWING --

25X1D

- A. LAUNCH POSITIONS 7A AND 7B, LAUNCH SITE 7
- B. THE TWO NEW POSSIBLE LAUNCH POSITIONS IDENTIFIED ON MISSION [REDACTED] ADJACENT TO LAUNCH SITE 7
- C. OLD GRIFFON LAUNCH SITES 5 AND 6
- D. ELECTRONIC POSITIONS C1, C2, C3, AND THE CONTROL BUILDING OF ELECTRONIC SITE C

LAUNCH POSITIONS 7A AND 7B, LAUNCH SITE 7, ARE REDESIGNATED LAUNCH POSITIONS 1A AND 1B, LAUNCH SITE 1. THE REMAINING FACILITIES WILL BE REDESIGNATED AS THEIR FUNCTIONAL RELATIONSHIP BECOMES MORE APPARENT.

25X1D

ON THIS MISSION AT LAUNCH COMPLEX F, THE SECOND VERTICAL ERECTOR ARM, OBSERVED ON THE GROUND ADJACENT TO LAUNCH POSITION 1B (7B), LAUNCH SITE 1 (7), ON MISSION [REDACTED] HAS PROBABLY BEEN INSTALLED. IN THE AREA OF THE TWO POSSIBLE LAUNCH POSITIONS ADJACENT TO LAUNCH SITE 1, SEVERAL NEW GROUND SCARS ARE SEEN. AN ENTRANCE ROAD HAS BEEN CONSTRUCTED JUST OUTSIDE THE OVERALL SECURITY FENCE BETWEEN OLD GRIFFON LAUNCH SITES 5 AND 6.

25X1D

[REDACTED]

~~TOP SECRET~~

25X1

25X1D

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25X1

[Redacted]

TOP SECRET

[Redacted]

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25X1

KH-4 MISSION 1109-1

SOVIET UNION
AIR DEFENSE MISSILES

SIGNIFICANT RESULTS 25X1A

25X1D

CHELYABINSK SAM SITE B17A-2

54-53-08N 061-34-00E

[Redacted]

[Redacted]

STATUS: UNKNOWN

PHYSICAL DESCRIPTION:

17 NM SSE OF CHELYABINSK.

THE NEWLY IDENTIFIED SA-2 SITE IS STAR CONFIGURED AND CONSISTS OF SIX LAUNCH POSITIONS, A GUIDANCE AREA, AND TWO MISSILE-HOLD POSITIONS. OCCUPANCY OF THE LAUNCH POSITIONS AND THE GUIDANCE AREA IS UNDETERMINED. CHELYABINSK SAM SITE B17-2 (BE

25X1A

[Redacted]) IS APPROXIMATELY 1,200 METERS (3,940 FEET) TO THE EAST.

25X1D

[Redacted]

TOP SECRET

[Redacted]

25X1

25X1

25X1

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TOP SECRET

[Redacted]

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KH-4 MISSION 1109-1

SOVIET UNION
AIR BASE FACILITIES

SIGNIFICANT RESULTS

25X1D

BALKHASH AIRFIELD EAST

25X1A

46-53-10N 075-23-50E

[Redacted]

[Redacted]

STATUS: UNKNOWN

PHYSICAL DESCRIPTION:

17.5 NM EAST OF BALKHASH. A 3,160 X 116-METER (10,370 X 380-FOOT) NNE/SSW SERVICEABLE GRADED-EARTH RUNWAY WITH TWO END-CONNECTING LINKS, AT LEAST ONE CROSSOVER LINK, A PARALLEL TAXIWAY, AND A PARKING APRON. PROBABLE DISPERSAL AREAS ARE OFF THE NW AND SW ENDS OF THE PARALLEL TAXIWAY. THE END-CONNECTING AND CROSSOVER LINKS, PARALLEL TAXIWAY, AND PROBABLE DISPERSAL AREAS ARE PARTIALLY SNOW COVERED. NO SUPPORT FACILITIES ARE OBSERVED.

AIR ORDER OF BATTLE:

NONE DISCERNIBLE

25X1D

[Redacted]

25X1D

KIPELOVO AIRFIELD

25X1A

59-11-25N 039-07-25E

[Redacted]

[Redacted]

STATUS: OPERATIONAL

AIR ORDER OF BATTLE:

22 BEAR

16 MEDIUM STRAIGHT-WING

25X1D

[Redacted]

25X1D

MIRGOROD AIRFIELD

49-55-52N 033-38-35E

[Redacted]

[Redacted]

25X1A

STATUS: OPERATIONAL

REMARKS:

THIS IS THE FIRST OBSERVATION OF FIGHTER-TYPE AIRCRAFT AT THIS AIRFIELD. THE BADGER COUNT OF 29 IS NORMAL.

25X1

TOP SECRET

[Redacted]

25X1

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~~TOP SECRET~~

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25X1

KH-4 MISSION 1109-1

SOVIET UNION
AIR BASE FACILITIES

AIR ORDER OF BATTLE:
29 BADGER
14 SMALL SWEPT-WING (AT
LEAST)

25X1D

[Redacted]

[Redacted]

25X1

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25X1

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25X1

KH-4 MISSION 1109-1

SOVIET UNION
INDUSTRY

SIGNIFICANT RESULTS

25X1D

RAMENSKOYE FLIGHT TEST CENTER

55-33-45N 038-07-05E

[REDACTED]

[REDACTED]

STATUS: OPERATIONAL

25X1A

25X1D

ASSOCIATED OBJECTS:

[REDACTED] -- MYASISHCHEV AREA

1 BOUNDER 1 COOT

25X1D

[REDACTED] -- TRANSIENT AREA

4 PROB CAMEL 4 LIGHT STRAIGHT-WING
3 COOT 1 HEAVY HELICOPTER
4 PROB CAT/CUB
2 SMALL SWEEP-WING (AT LEAST)

25X1D

[REDACTED] -- MIL AREA

11 POSS SMALL HELICOPTERS

25X1D

[REDACTED] -- ILYUSHIN AREA

2 PROB BEAGLE 5 COOT
2 MAY 1 CAT/CUB
2 CLASSIC 1 HOMER
2 CARELESS 2 SMALL DELTA/SWEEP-WING
1 CAMEL

25X1D

[REDACTED] -- CROSSOVER AREA

20 SMALL DELTA/SWEEP-WING (AT LEAST)

25X1D

[REDACTED] -- EAST PARKING AREA

3 PROB BLINDER 1 PROB CARELESS
10 PROB BADGER 1 COOKPOT
1 CLEAT 2 SMALL DELTA/SWEEP-WING

25X1D

[REDACTED] -- YAKOVLEV AREA

4 SMALL DELTA/SWEEP-WING 4 SMALL STRAIGHT-WING

25X1D

[REDACTED] -- MIKOYAN AREA

2 POSS FOXBAT 4 SMALL DELTA/SWEEP-WING

25X1D

[REDACTED] -- IN AN ADJACENT AREA

3 SMALL STRAIGHT-WING

25X1D

[REDACTED] -- SUKHOY AREA

25X1

TOP SECRET

[REDACTED]

25X1

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TOP SECRET

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25X1

KH-4 MISSION 1109-1

SOVIET UNION
INDUSTRY

25X1D

6 SMALL DELTA/SWEPT-WING

[] -- IN AN ADJACENT AREA

2 CAMEL 1 CAT/CUB
1 PROB COOT

25X1D

[] -- TUPOLEV AREA

2 BEAR 1 CRUSTY
1 FIDDLER 2 COOKPOT
1 PROB FIDDLER 4 MEDIUM SWEPT-WING
2 CAMEL

25X1D

[] -- MYASISHCHEV AREA

1 BOUNDER 2 COOT
1 BISON

25X1D

[] -- TRANSIENT PARKING AREA

4 CAMEL 1 HARKE
3 COOT 3 SMALL SWEPT-WING (POSS
4 CAT/CUB BREWER/FIREBAR)
1 PROB CODLING 1 SMALL STRAIGHT-WING IN
1 CRATE TOW
1 MANDRAKE

25X1D

[] -- MIL AREA

7 POSS SMALL HELICOPTERS
(AT LEAST)

25X1D

[] -- ILYUSHIN AREA

3 BEAGLE 1 COOKPOT
2 MAY 5 COOT
1 COCK 2 CAT/CUB
2 CLASSIC 1 HOMER
2 CAMEL 1 SMALL DELTA/SWEPT-WING

25X1D

[] -- CROSSOVER AREA

23 SMALL DELTA/SWEPT-WING

25X1D

[] -- EAST PARKING AREA

3 PROB BLINDER 1 CLEAT
10 BADGER 1 PROB CARELESS
3 POSS FOXBAT 1 COOKPOT

25X1D

[] -- YAKOVLEV AREA

4 CODLING 1 SMALL STRAIGHT-WING
6 SMALL DELTA/SWEPT-WING

25X1D

[] -- MIKOYAN AREA

[]

25X1

25X1

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TOP SECRET

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25X1

KH-4 MISSION 1109-1

SOVIET UNION
INDUSTRY

2 PROB FOXBAT

6 SMALL DELTA/SWEPT-WING

25X1D

[REDACTED] -- IN AN ADJACENT AREA

3 PROB BEAGLE
1 CRATE

1 COLT

25X1D

[REDACTED] -- SUKHOY AREA
5 SMALL DELTA/SWEPT-WING

25X1D

[REDACTED] -- IN AN ADJACENT AREA

2 CAMEL

1 COOT

25X1D

[REDACTED] -- TUPOLEV AREA

2 BEAR
1 BLINDER
1 BADGER
2 FIDDLER

2 CAMEL
1 CRUSTY
3 COOKPOT
1 POSS COOKPOT

25X1D

[REDACTED]

[REDACTED]

25X1

TOP SECRET

TOP SECRET