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NATIONAL PHOTOGRAPHIC
INTERPRETATION CENTER

OAK SUPPLEMENT

PHOTOGRAPHIC INTERPRETATION REPORT

KH-4 MISSION III6

IPIR NUMBER 3

OAK SUPPLEMENT PART I

20 APRIL - 8 MAY 1972

Handle via
Talent-Keyhole
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TCS-21248/72

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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 FIRST OF SEVERAL OAK SUPPLEMENT REPORTS ON MISSION 1116. BASED ON EXSUBCOM GUIDANCE FOR SECOND-PHASE EXPLOITATION OF THIS MISSION, IT PROVIDES INFORMATION ON SIGNIFICANT CHANGE OBSERVED AT THE C AND D PRIORITY COMIREX EXPLOITATION TARGETS OBSERVED AND SIGNIFICANT NEW INSTALLATIONS OR ACTIVITY OBSERVED.

ALL SIGNIFICANT ACTIVITY AT ICBM AND MR/IRBM COMPLEXES AND AT MISSILE TEST CENTERS IS REPORTED UNDER THE COMPLEX/TEST CENTER NAME. COMPONENTS OF THE COMPLEX AND TEST CENTER AND THOSE TARGETS REQUIRING EXTENT AND QUALITY OF COVERAGE ONLY WILL NOT BE PUBLISHED BUT WILL BE ENTERED INTO THE NPIC TARGET BRIEF FILE. THOSE ORGANIZATIONS REQUIRING A TOTAL ACCOUNTING OF ALL DATA WILL BE PROVIDED A MACHINE PRINTOUT OR MAGNETIC TAPE AS DESIRED. REQUEST FOR THESE SHOULD BE SUBMITTED WITHIN TWO MONTHS FROM THE DATE OF THE FINAL REPORT ON THIS MISSION TO NPIC, CHIEF, PLANNING STAFF. FOR ADDITIONAL PREFACE DETAILS, SEE OAK PART 1, 1116-1.

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HIGHLIGHTS

MISSION HIGHLIGHTS

USSR

MISSILE ACTIVITY

SAM ACTIVITY

25X1A

25X1A 1. ASHULUK SAM FIRING RANGE (47-26N 048-02E, [REDACTED])

25X1D PROBABLE SA-4 (GANEF) TRAINING HAS BEEN IDENTIFIED AT ASHULUK SAM FIRING RANGE FOR THE FIRST TIME. FOUR PROBABLE AND TWO POSSIBLE SA-4 TRAINING SITES WERE OBSERVED AT THE RANGE ON PHOTOGRAPHY OF [REDACTED] ALL SIX SITES WERE OCCUPIED.

25X1D

25X1A SA-4 TRAINING WAS NEWLY IDENTIFIED AT ANTIPINSKOYE SAM FIRING RANGE [REDACTED] ON PHOTOGRAPHY OF [REDACTED]

25X1D

AIR ACTIVITY

25X1D

25X1D

25X1A 2. AKHTUBINSK FLIGHT TEST CENTER (48-17-[REDACTED]N 046-11-[REDACTED]E, BE [REDACTED])

25X1D ONLY ONE BACKFIRE WAS PRESENT AT AKHTUBINSK FLIGHT TEST CENTER ON [REDACTED] RATHER THAN ONE BACKFIRE AND ONE PROBABLE BACKFIRE AS WAS REPORTED IN MISSION HIGHLIGHT CABLE 04, NPIC CITE 2984. THE BACKFIRE WAS IN THE ASM SUPPORT COMPLEX. THIS WAS THE FIRST TIME THAT A BACKFIRE HAD BEEN OBSERVED IN THE ASM

25X1D AREA. [REDACTED]

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25X1A
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AFGHANISTAN
AIR BASE FACILITIES

SIGNIFICANT RESULTS

BAGRAM AIRFIELD

25X1A

25X1D

25X1D

25X1D

34-57- N 069-16- E

STATUS: OPERATIONAL

25X1D

AIR ORDER OF BATTLE:

20 FITTER

7 BEAGLE

33 FISHBED

3 MAX/MOOSE

5 FAGOT/FRESCO

25X1D

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CHINA, COMMUNIST
MISSILE RANGES

SIGNIFICANT RESULTS

25X1D

SHUANG-CHENG-TZU LAUNCH TEST SITE B1/2

25X1A 41-18- N 100-19- E

25X1D

25X1D

STATUS:COMPLETE

REMARKS:

THE GANTRY HAD BEEN MOVED TO THE SOUTHERN EDGE OF PAD B2. THE EMPTY B2 LAUNCH STAND WAS VISIBLE. NO MISSILE EQUIPMENT WAS OBSERVED. TWO CRYOGEN TRAILERS WERE PROBABLY STILL PARKED IN THE GARAGE AREA.

25X1D

SHUANG-CHENG-TZU SSM LCH TEST SITE A

25X1A 41-16- N 100-18- E

25X1D

25X1D

25X1D

STATUS:COMPLETE

REMARKS:

NO ACTIVITY WAS OBSERVED AT PADS A1 OR A2. APPROXIMATELY 40 VEHICLES OR PIECES OF EQUIPMENT AND AN INCREASED NUMBER OF TRACKS WERE OBSERVED JUST EAST OF THE CHECKOUT AREA.

25X1D

MISSILE ORDER OF BATTLE:

-- EAST OF CHECKOUT AREA
40 VEHICLES/PIECES OF EQUIP
(APPROXIMATELY)

25X1D

25X1C

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KOREA, NORTH
AIR DEFENSE MISSILES

SIGNIFICANT RESULTS

25X1D

HOEYANG SAM SITE A10-2

25X1A

25X1D

25X1D

38-42- N 127-38- E

STATUS: OCCUPIED

PHYSICAL DESCRIPTION:

2.1 NM EAST OF HOEYANG.

THE NEWLY IDENTIFIED OCCUPIED SA-2 SITE CONSISTS OF THREE
REVERTED LAUNCH POSITIONS AND A CENTRAL GUIDANCE AREA. THE
SUPPORT AREA CONSISTS OF SEVEN BARRACKS, ONE
HEADQUARTERS/ADMINISTRATION BUILDING, ONE PROBABLE MESSHALL,
FOUR VEHICLE SHEDS, AND 12 STORAGE/SUPPORT BUILDINGS.

TGT DIAM: 1,000 M (3,608 FT). ELEV: 520 M (1,706 FT).

25X1D

MISSILE ORDER OF BATTLE:

2 MISSILE LAUNCHERS

25X1D

ELECTRONIC ORDER OF BATTLE:

1 PROB FAN SONG

25X1D

IMAGE DERIVED COORDINATES:

MAP SOURCE REFERENCE:

200-0380-9

25X1D

25X1C
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MONGOLIA
GROUND FORCE FACILITIES

SIGNIFICANT RESULTS

25X1D

DZUUN BAYAN ARMY BKS AL 1
[REDACTED]

25X1A

25X1D 25X1D
44-30- [REDACTED] N 110-01- [REDACTED] E

STATUS: OCCUPIED

REMARKS:

TWO ADDITIONAL VEHICLE STORAGE BUILDINGS HAVE BEEN COMPLETED WITHIN THE INSTALLATION. ONE ADDITIONAL VEHICLE STORAGE BUILDING WAS UNDER CONSTRUCTION.

25X1D

GROUND FORCE ORDER OF BATTLE:
[REDACTED]

300 VEHICLES/PIECES OF
EQUIP (APPROXIMATELY)

25X1D

[REDACTED]

25X1D SAYN SHANDA ARMY BARRACKS AL-1
[REDACTED]

25X1A

25X1D 25X1D
44-53- [REDACTED] N 110-07- [REDACTED] E

STATUS: OCCUPIED

REMARKS:

ONE ADDITIONAL COMPLETED VEHICLE STORAGE BUILDING AND TWO VEHICLE STORAGE BUILDINGS UNDER CONSTRUCTION WERE OBSERVED IN THE NEW AREA.

25X1D

GROUND FORCE ORDER OF BATTLE:
[REDACTED]

300 VEHICLES/PIECES OF
EQUIP

25X1D

[REDACTED]

25X1C
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PAKISTAN
AIR BASE FACILITIES

SIGNIFICANT RESULTS

25X1D

MAURIPUR AIRFIELD

25X1A

25X1D

25X1D

24-54- [REDACTED] N 066-57- [REDACTED] E

STATUS: OPERATIONAL

REMARKS:

A TAXIWAY CONNECTING THE BEAGLE/B-57 DISPERSAL AREA AND THE
MAIN RUNWAY, WHICH WAS UNDER CONSTRUCTION IN [REDACTED]
APPEARS TO BE COMPLETE.

25X1D

25X1D

AIR ORDER OF BATTLE:

1 AIRCRAFT

4 POSS AIRCRAFT

8 PROB AIRCRAFT

25X1D

25X1D

MIANWALI AIRFIELD

25X1A

25X1D

25X1D

32-33- [REDACTED] N 071-34- [REDACTED] E

STATUS: OPERATIONAL

REMARKS:

MAJOR CONSTRUCTION REPORTED IN [REDACTED] CONTINUED.

25X1D

25X1D

AIR ORDER OF BATTLE:

2 F-104

25X1D

PESHAWAR AIRFIELD

25X1A

25X1D

25X1D

33-59- [REDACTED] N 071-31- [REDACTED] E

STATUS: OPERATIONAL

25X1D

AIR ORDER OF BATTLE:

1 F-104

2 SMALL STRAIGHT-WING

9 FARMER

2 PROB B-57

22 F-86

1 POSS F-27

1 VICKERS VARSITY

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25X1C

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PAKISTAN
AIR BASE FACILITIES

25X1D

25X1D

RISALPUR AIRFIELD

25X1A

25X1D

25X1D

34-04-00 N 071-58-00 E

STATUS: OPERATIONAL

AIR ORDER OF BATTLE:

25X1D

37 SMALL STRAIGHT-WING

25X1D

SHORKOT ROAD AIRFIELD

25X1A

30-45-00 N 072-17-00 E

25X1D

STATUS: OPERATIONAL

REMARKS:

25X1D

FIVE OF THE 11 HANGARETTES REPORTED UNDER CONSTRUCTION ON PHOTOGRAPHY OF [REDACTED] NOW HAVE ROOFS ON THEM. SMALL SCALE AND POOR RESOLUTION PRECLUDED A DETAILED INTERPRETATION.

25X1D

AIR ORDER OF BATTLE:

1 PROB F-104

2 PROB SMALL SWEEP-WING

25X1D

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25X1C
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PAKISTAN
GROUND FORCE FACILITIES

SIGNIFICANT RESULTS

25X1D

HYDERABAD BARRACKS AREA

[REDACTED]

STATUS:OCCUPIED

GROUND FORCE ORDER OF BATTLE:

7 VEHICLES/PIECES OF EQUIP

[REDACTED]

25X1A

25-23-

25X1D

N 068-21-

25X1D

E

[REDACTED]

25X1D

J

25X1D

J

NAUSHAHRA ARMY BKS SCHOOLS A AMMO DPO

[REDACTED]

STATUS:OCCUPIED

GROUND FORCE ORDER OF BATTLE:

[REDACTED]

25X1D

60 VEHICLES/PIECES OF EQUIP

[REDACTED]

25X1A

34-00-

N 072-01-

E

[REDACTED]

25X1D

25X1D

PESHAWAR MILITARY CANTONMENT A HQS

[REDACTED]

STATUS:OCCUPIED

GROUND FORCE ORDER OF BATTLE:

[REDACTED]

25X1D

93 VEHICLES/PIECES OF EQUIP

[REDACTED]

25X1A

34-00-3

N 071-32-3

E

[REDACTED]

25X1D

25X1D

HANDLE VIA 25X1C
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SOVIET UNION
DEPLOYED STRATEGIC SSM FACILITIES

25X1D SIGNIFICANT RESULTS

MOSKVA MISSILE ASSOCIATED INSTALLATION 25X1A 25X1D 25X1D
[REDACTED] 55-11-[REDACTED] N 036-37-[REDACTED] E

STATUS: COMPLETE

25X1D REMARKS: 25X1D
FOUR OF THE SIX BUILDINGS REPORTED UNDER CONSTRUCTION ON [REDACTED]
[REDACTED] HAVE BEEN COMPLETED. CONSTRUCTION WAS CONTINUING
ON THE REMAINING TWO. NO NEW MISSILE-RELATED ACTIVITY WAS
OBSERVED.

25X1D [REDACTED]

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SOVIET UNION
MISSILE RANGES

SIGNIFICANT RESULTS

25X1D

AKHTUBINSK/VLADIMIROVKA AAM SUPP CPLX
[REDACTED]

25X1D 25X1D
25X1A 48-18- [REDACTED] N 046-10- [REDACTED] E

STATUS: OPERATIONAL

25X1D

AIR ORDER OF BATTLE:

- 1 FIDDLER
- 3 PROB FITTER

- 8 PROB FISHBED
- 9 SMALL DELTA/SWEPT-WING

25X1D

[REDACTED]

25X1D

AKHTUBINSK/VLADIMIROVKA AAM + ASM STOR
[REDACTED]

25X1D
25X1A 48-22- [REDACTED] N 046-12- [REDACTED] E

STATUS: OPERATIONAL

25X1D

ASSOCIATED OBJECTS:

15 ASM SHIPPING CRATES (AT LEAST)

25X1D

[REDACTED]

25X1D

AKHTUBINSK/VLADIMIROVKA AREA AIRFIELD
[REDACTED]

25X1A 48-18- [REDACTED] N 046-16- [REDACTED] E

STATUS: OPERATIONAL

25X1D

AIR ORDER OF BATTLE:

- 1 BLINDER
- 4 BADGER
- 1 BADGER/CAMEL
- 5 BEAGLE
- 1 PROB BEAGLE
- 2 FOXBAT

- 2 FIDDLER
- 4 PROB FITTER
- 18 FAGOT/FRESCO/MIDGET
- 12 SMALL DELTA-WING
- 11 SMALL DELTA/SWEPT-WING

25X1D

ASSOCIATED OBJECTS:

[REDACTED] -- IN DERELICT AREA
2 BULL

22 SMALL SWEPT-WING

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25X1G
HA [REDACTED]
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SOVIET UNION
MISSILE RANGES

25X1D
[REDACTED]

25X1D

AKHTUBINSK/VLADIMIROVKA ASM SUPP CPLX
[REDACTED]

25X1D
25X1A
25X1D
48-17- [REDACTED] N 046-12- [REDACTED] E

STATUS: OPERATIONAL

REMARKS:

THIS WAS THE FIRST OBSERVATION OF A BACKFIRE IN THE ASM FACILITY.

25X1D

AIR ORDER OF BATTLE:

[REDACTED]
1 BACKFIRE
1 BLINDER
2 FOXBAT

3 PROB FISHBED
2 SMALL DELTA/SWEPT-WING

25X1D

[REDACTED]

25X1A
25X1D

SARY-SHAGAN MTC LAUNCH COMPLEX F
[REDACTED]

25X1D
46-26- [REDACTED] N 072-51- [REDACTED] E

25X1D

STATUS: OPERATIONAL

REMARKS:

A MISSILE CANISTER WAS OBSERVED FOR THE FIRST TIME ERECTED VERTICALLY ON THE LAUNCHER AT LAUNCH POSITION 2A, LAUNCH SITE 2. THE HEIGHT OF THE CANISTER IS APPROXIMATELY [REDACTED] FEET), A HEIGHT SIMILAR TO THAT OF TWO CANISTERS PREVIOUSLY OBSERVED ERECTED AT POSITIONS 2B AND 2C. A VEHICLE APPROXIMATELY [REDACTED] LONG WAS ON THE ROAD NEAR LAUNCH POSITION 2A. THE VEHICLE WAS NOT CLEARLY DEFINED ON THE SMALL-SCALE PHOTOGRAPHY. NO SIGNIFICANT CONSTRUCTION CHANGES WERE OBSERVED AT THE COMPLEX.

25X1D

25X1D

MISSILE ORDER OF BATTLE:

[REDACTED]
1 MISSILE CANISTER

25X1D

[REDACTED]

25X1C

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SOVIET UNION
MISSILE RANGES

25X1D

TYURATAM ICBM TEST SUPPORT FAC 3
[REDACTED]

25X1A

45-58-[REDACTED] N 063-38-[REDACTED] E

25X1D

25X1D

STATUS:COMPLETE

REMARKS:

25X1D

25X1D

THE NEW-TYPE MISSILE AIRFRAMES AND THE NEW ROAD TRANSPORTER
OBSERVED IN THE COMPLEX ON [REDACTED] WERE
NOT OBSERVED IN THE SAME LOCATION ON [REDACTED] IT IS POSSIBLE
THAT ONE OF THE NEW-TYPE AIRFRAMES AND THE ROAD TRANSPORTER
WERE INVOLVED IN A TRANSFER OPERATION AT A RAIL-TO-ROAD
TRANSFER POINT JUST SW OF ASSEMBLY AND CHECKOUT BUILDING B.
CONSTRUCTION CONTINUED ON THE NEW BUILDINGS IN THE NORTHEASTERN
SECTION OF THE FACILITY AND ON THE NEW ANTENNA PEDESTAL IN THE
ELECTRONICS FACILITY.

25X1D

MISSILE ORDER OF BATTLE:

[REDACTED]
1 POSS MISSILE AIRFRAME 1 POSS MISSILE TRANSPORTER

25X1D

[REDACTED]

25X1C

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SOVIET UNION
AIR DEFENSE MISSILES

25X1D

SIGNIFICANT RESULTS

ASHULUK SAM FIRING RANGE

25X1A

25X1D 25X1D
47-26-N 048-02-E

STATUS: OPERATIONAL

REMARKS:

FOUR PROBABLE SA-4 (GANEF) MISSILE BATTERIES HAVE BEEN IDENTIFIED FOR THE FIRST TIME AT THE FIRING RANGE. THE COMPONENTS OF FOUR SA-4 FIELD TRAINING SITES HAVE BEEN DEPLOYED ALONG A LINE JUST NORTH OF TRACKING FACILITY 2. EACH SITE CONTAINS THREE OCCUPIED LAUNCH POSITIONS AND AN OCCUPIED GUIDANCE POSITION. A POSSIBLE SA-4 ACQUISITION RADAR SITE AND A SUPPORT AREA HAVE BEEN SET UP WEST OF THE FOUR SITES.

A NEW PROBABLE BACK NET/SIDE NET RADAR SITE HAS BEEN CONSTRUCTED JUST SOUTH OF TRACKING FACILITY 2. THE SITE CONTAINS FOUR OCCUPIED RADAR POSITIONS AND A CENTRAL CONTROL AREA. THE SA-2 SITE SOUTH OF TRACKING FACILITY 2 WAS OCCUPIED. THE SA-3 SITE HAS REMAINED UNOCCUPIED, HOWEVER.

A NEW PROBABLE SA-2 TRAINING SITE HAS BEEN CONSTRUCTED JUST UPRANGE (WEST) OF LAUNCH SITES 6 AND 7. THE NEW SITE CONSISTS OF SIX REVETTED LAUNCH POSITIONS AND A GUIDANCE AREA. A POSSIBLE ELECTRONICS SITE HAS BEEN CONSTRUCTED ADJACENT TO AND JUST SOUTH OF THE NEW TRAINING SITE. THE POSSIBLE ELECTRONICS SITE CONTAINS FOUR POSSIBLE RADAR POSITIONS AND A CENTRAL CONTROL AREA. BOTH THE TRAINING SITE AND THE POSSIBLE ELECTRONICS SITE WERE OCCUPIED.

TWO NEW POSSIBLE SA-4 LAUNCH SITES HAVE BEEN SET UP JUST NORTH OF LAUNCH SITE 12B. EACH CONTAINS THREE LAUNCH POSITIONS AND A GUIDANCE AREA.

ONLY ONE LAUNCH SITE ON THE FIRING LINE (11B) WAS UNOCCUPIED.

25X1D

25X1C

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SOVIET UNION
COMMO/ELEC/RADAR FACILITIES

SIGNIFICANT RESULTS

25X1D

CHEKHOV COMD CTL FACILITY/HARD
[REDACTED]

25X1A 25X1D 25X1D
55-09- [REDACTED] N 037-16- [REDACTED] E

STATUS: OCCUPIED

REMARKS:

CONSTRUCTION WAS CONTINUING ON THE STRUCTURE AT AREA A. AT THE CENTER OF AREA B, A HOLE HAS BEEN DUG WHICH IS PARTIALLY COVERED BY A WOODEN SHELTER. BASED UPON SIMILARITIES TO EARLIER CONSTRUCTION PHASES AT AREAS A AND D, IT IS PROBABLE THAT A 9-METER (29-METER) DIAMETER CIRCULAR STRUCTURE WILL BE BUILT AT THIS AREA ALSO. CLEARING ACTIVITY IN SEPARATELY SECURED AREA E WAS PROGRESSING AND WAS REMINISCENT OF THE LATE-STAGE CLEARINGS AT AREAS A, B, AND D. THE NEW APARTMENT BUILDING IS EXTERNALLY COMPLETE, EXCEPT FOR WATERPROOFING THE ROOF.

25X1D

THE RE-LAYING OF THE TRUNK CABLE/CONDUIT EAST OF THE FACILITY WAS CONTINUING.
[REDACTED]

25X1D

DUSHANBE ASTRONOMICAL OBSERVATORY
[REDACTED]

25X1A 25X1D 25X1D
38-29- [REDACTED] N 068-41- [REDACTED] E

STATUS: OPERATIONAL

REMARKS:

A ROW OF TEN SELF-SUPPORTING MASTS IS ORIENTED APPROXIMATELY EAST-WEST, AND AT THE EASTERN END OF THIS ROW A SECOND ROW OF FOUR SIMILAR MASTS IS ORIENTED NORTH-SOUTH.

25X1D

KOLOMNA PR GS RADCOM XMTR CPLX/BNK/HD
[REDACTED]

25X1A 25X1D 25X1D
55-00- [REDACTED] N 038-51- [REDACTED] E

25X1D

STATUS: OCCUPIED

REMARKS:

THERE ARE 18 PROBABLY COMPLETE HARDENED ANTENNAS ADJACENT TO THE WESTERN ANTENNA FIELD CENTRAL CONTROL BUNKER.

THE WATERPROOFING OF THE ROOF OF THE EASTERN ANTENNA FIELD

25X1C

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TALENT-KEYHOLE
CONTROL SYSTEM ONLY

TCS-21248/72 - IPIR 3
KH-4 MISSION 1116

SOVIET UNION
COMMO/ELEC/RADAR FACILITIES

CENTRAL CONTROL BUNKER HAS BEGUN. FOUR ENTRANCE TUNNELS TO THIS BUNKER WERE UNDER CONSTRUCTION. CONSIDERABLE CLEARING ACTIVITY WAS TAKING PLACE AROUND THIS BUNKER. WITHIN THIS NEWLY CLEARED AREA, GROUND PREPARATION FOR ONE HARDENED ANTENNA HAS BEGUN.

THERE HAS BEEN NO EVIDENCE TO DATE OF CONSTRUCTION OF RAILROAD ACCESS TO THE FACILITY.

25X1D

[REDACTED]

KRYUKOVO RADCOM XMTR STA/BNK NW

25X1A 25X1D 25X1D
56-00- [REDACTED] N 037-06- [REDACTED] E

25X1D

STATUS:OCCUPIED

REMARKS:

BACKFILLING OF THE BUNKER EXCAVATION HAS STILL NOT BEGUN.

A LARGE RECTANGULAR BARRACKS BUILDING WAS UNDER CONSTRUCTION IN THE HOUSING/SUPPORT AREA.

25X1D

[REDACTED]

LOZHKI RADREL A RADCOM XMTR SITE A

25X1A 25X1D 25X1D
56-05- [REDACTED] N 037-06- [REDACTED] E

25X1D

STATUS:OCCUPIED

REMARKS:

THE TWO HARDENED ANTENNAS HAVE PROPAGATION AZIMUTHS OF 325/145 DEGREES. THESE AZIMUTHS ARE SIMILAR TO THE AZIMUTHS OF THE RECEIVING HARDENED ANTENNA AT THE VATUTINKI RADCOM RECEIVING CPLX [REDACTED]

25X1A

25X1D

[REDACTED]

NOVO CHERKASSKOYE PROB RADCOM XMTR/BNK

25X1A 25X1D 25X1D
55-16- [REDACTED] N 038-52- [REDACTED] E

25X1D

STATUS:UNDER CONSTRUCTION

PHYSICAL DESCRIPTION:

1 NM SOUTH OF NOVO CHERKASSKOYE.
THIS NEWLY IDENTIFIED FENCE-SECURED FACILITY CONTAINS A

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SOVIET UNION
COMMO/ELEC/RADAR FACILITIES

CONSTRUCTION SUPPORT AREA, AN ADMINISTRATION/SUPPORT AREA, A BUNKER, AND A HIGH FREQUENCY ANTENNA FIELD. THE CONSTRUCTION SUPPORT AREA CONTAINS 16 BARRACKS, AN ADMINISTRATION BUILDING, A MESSHALL, A MOTOR POOL, AND EIGHT SUPPORT BUILDINGS. THE ADMINISTRATION/SUPPORT AREA CONTAINS AT LEAST EIGHT BUILDINGS UNDER CONSTRUCTION. AREAS WERE BEING CLEARED FOR AT LEAST ONE PROBABLE RHOMBIC ANTENNA AND SEVERAL POSSIBLE DIPOLE ANTENNAS. THE EXCAVATION FOR THE CENTRAL CONTROL BUNKER WAS APPROXIMATELY 75 PER CENT COMPLETE.

25X1D



MAP SOURCE REFERENCE:
0167-5

25X1D



NOVOEZHINO RADCOM STA/BNK

25X1A 43-06- [REDACTED] N 132-36- [REDACTED] E
25X1D 25X1D

25X1D

STATUS:UNDER CONSTRUCTION

PHYSICAL DESCRIPTION:

5.5 NM SSE OF NOVOEZHINO AIRFIELD AND APPROXIMATELY 34 NM EAST OF VLADIVOSTOK.

THIS NEWLY IDENTIFIED FACILITY CONSISTS OF THREE ARCH-ROOFED BUNKERS UNDER CONSTRUCTION, TWO CLEARINGS FOR TWO FIVE-TOWER CURTAIN ARRAYS, TWO CLEARINGS FOR POSSIBLE HORIZONTAL DIPOLE ANTENNAS, AND CLEARINGS FOR TWO RHOMBIC ANTENNAS. A SUPPORT AREA APPROXIMATELY 0.5 NM SOUTH OF THE BUNKERS CONSISTS OF TEN SUPPORT BUILDINGS.

25X1D



MAP SOURCE REFERENCE:
M0291-6HL

25X1D



OLENKOVO RADCOM RCVR STA/BNK

25X1A 34-32- [REDACTED] N 038-04- [REDACTED] E
25X1D 25X1D

25X1D

STATUS:UNDER CONSTRUCTION

PHYSICAL DESCRIPTION:

2 NM SW OF OLENKOVO.

25X1C

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SOVIET UNION
COMMO/ELEC/RADAR FACILITIES

THIS NEWLY IDENTIFIED FACILITY CONSISTS OF A CONSTRUCTION SUPPORT AREA, A PERMANENT SUPPORT AREA UNDER CONSTRUCTION, AN ANTENNA FIELD, AND A BUNKER UNDER CONSTRUCTION. THE CONSTRUCTION SUPPORT AREA CONTAINS 22 SINGLE-STORY WOODEN BARRACKS, A MESSHALL, AN ADMINISTRATION BUILDING, A MOTOR POOL, AND EIGHT SUPPORT BUILDINGS. THE PERMANENT SUPPORT AREA CONTAINS TWO EXTERNALLY COMPLETE MASONRY BUILDINGS, TWO BUILDINGS UNDER CONSTRUCTION, AND FOOTINGS FOR AT LEAST TEN MORE BUILDINGS. THE ANTENNA FIELD CONTAINS CLEARINGS FOR AT LEAST TEN PROBABLE BS2 FISHBONE ANTENNAS AND AT LEAST TWO PROBABLE 3BS2 FISHBONE ANTENNAS. THE CENTRAL CONTROL BUNKER UNDER CONSTRUCTION CONSISTED OF A LARGE RECTANGULAR EXCAVATION.

25X1D



MAP SOURCE REFERENCE:
0167-10HL

25X1D



25X1D

SERPUKHOV PR GS RADCOM RCVR STA/BNK/HD

25X1A

25X1D

25X1D

54-56- N 037-34- E

STATUS:OCCUPIED

REMARKS:

THERE ARE 18 HARDENED ANTENNAS AT THE CENTRAL CONTROL AREA, ALL BUT TWO OF WHICH APPEAR TO BE COMPLETE.

ALL BUILDINGS AND ABOVE GROUND HIGH-FREQUENCY (HF) ANTENNAS APPEAR TO BE EXTERNALLY COMPLETE.

TWO SMALL, SQUARE CLEARINGS HAVE BEEN MADE IN THE HF ANTENNA FIELD. THE PURPOSE OF THESE CLEARINGS CANNOT BE DETERMINED AT THE PRESENT TIME.

25X1D



SHARAPOVO COMD CTZ FAC/HARD

25X1A

25X1D

25X1D

55-11- N 037-35- E

25X1D

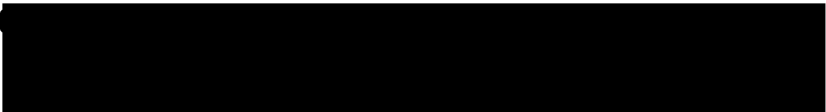
STATUS:OCCUPIED

REMARKS:

THE NEWLY IDENTIFIED OPERATIONS COMPONENT CONTAINS AT LEAST FOUR SUB-AREAS, DESIGNATED A-D. AREAS A, B, AND D ARE BOUNDED

25X1C

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SOVIET UNION
COMMO/ELEC/RADAR FACILITIES

BY RECTANGULAR LOOP ROADS. AREA A CONTAINS THE PREVIOUSLY REPORTED CIRCULAR STRUCTURE. A SECOND CIRCULAR STRUCTURE WAS UNDER CONSTRUCTION IN AREA A. IN ADDITION, THIS AREA CONTAINS AT LEAST FIVE SUPPORT BUILDINGS, ONE OF WHICH WAS UNDER CONSTRUCTION. CLEARING ACTIVITY WAS TAKING PLACE IN AREA B. AT LEAST THREE SUPPORT BUILDINGS ARE ASSOCIATED WITH THIS AREA. AREA C IS PARTIALLY CLEARED AND CONTAINS THREE SUPPORT BUILDINGS. AREA D HAS BEEN CLEARED AND AN EXCAVATION WAS EVIDENT, PROBABLY FOR A 9-METER- (29-FOOT-) DIAMETER CIRCULAR STRUCTURE. FOUR SUPPORT BUILDINGS ARE ASSOCIATED WITH THIS AREA.

THE CONSTRUCTION/SUPPORT AREA FOR THE NEW OPERATIONS COMPONENT CONTAINS APPROXIMATELY 60 BUILDINGS.

CONSTRUCTION WAS CONTINUING IN THE OPERATIONS SUPPORT AREA AND AT THE WAREHOUSE AND STORAGE AREA.

25X1D



25X1D

25X1D

25X1D

VATUTINKI RADCOM CENTER

25X1A

55-29- N 037-21- E

STATUS:OCCUPIED

REMARKS:

WORK HAS JUST BEGUN ON THE ROOF OF THE NEW BUILDING ADJACENT TO THE SITE B CONTROL BUILDING. THE SMALL SUPPORT BUILDING WHICH WAS UNDER CONSTRUCTION AT THIS SITE IS EXTERNALLY COMPLETE. CONSTRUCTION WAS CONTINUING ON THE BUILDINGS IN THE SUPPORT AREA.

25X1D



25X1C

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CONTROL SYSTEM ONLY

TCS-21248/72 - IPIR 3
KH-4 MISSION 1116

SOVIET UNION
AIR BASE FACILITIES

SIGNIFICANT RESULTS

25X1D

AKHTUBINSK/VLADIMIROVKA AIRFIELD
[REDACTED]

25X1A 25X1D 25X1D
48-18-[REDACTED] N 046-13-[REDACTED] E

STATUS: OPERATIONAL

REMARKS:

A FOXBAT AND A FLOGGER WERE OBSERVED ON THE PARKING APRON
OUTSIDE THE ASM FACILITY. SOME MINOR RUNWAY REPAIRS WERE
UNDERWAY AT THE SE END OF THE RUNWAY.

25X1D

AIR ORDER OF BATTLE:

- | | |
|-----------------|--------------------------|
| 2 BEAR | 2 CAT/CUB |
| 5 BLINDER | 1 CAT/CUB/CAMP |
| 13 BADGER | 7 CRATE |
| 1 FOXBAT | 2 CAB |
| 3 FIDDLER | 1 PROB CLOD |
| 1 FLOGGER | 1 SMALL DELTA-WING |
| 2 PROB FLAGON | 3 SMALL SWEEP-WING |
| 1 PROB CARELESS | 6 SMALL DELTA/SWEEP-WING |
| 1 CAMEL | 10 HELICOPTERS |

25X1D

[REDACTED]

25X1D

KAMEN NA OBI AIRFIELD NORTHWEST
[REDACTED]

25X1A 25X1D 25X1D
53-47-[REDACTED] N 081-09-[REDACTED] E

STATUS: OPERATIONAL

25X1D

REMARKS:

AN INCREASE OF TEN BREWER/MAESTRO HAS OCCURRED SINCE THE
AIRFIELD WAS LAST OBSERVED IN [REDACTED] THIS WAS THE
HIGHEST COUNT OF BREWER/MAESTRO EVER SEEN AT THIS FIELD

25X1D

AIR ORDER OF BATTLE:

- | | |
|-------------------|--------|
| 62 BREWER/MAESTRO | 2 CLOD |
| 31 BEAGLE/MASCOT | |

25X1D

[REDACTED]

25X1C

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SOVIET UNION
INDUSTRY

SIGNIFICANT RESULTS

25X1D

GORKIY/SORMOVO AFLD



25X1D 25X1D
25X1A 56-19- N 043-48- E



STATUS: OPERATIONAL

25X1D

ASSOCIATED OBJECTS:

-- AT THE AIRFIELD

4 FOXBAT

10 SMALL DELTA/SWEPT-WING

1 CRATE

2 LIGHT STRAIGHT-WING

1 CAB

25X1D



MOSKVA AC ENG RSCH CTR MYACHKOVO TSIAM



25X1D 25X1D
25X1A 55-33- N 037-56- E



25X1D

STATUS: OPERATIONAL

REMARKS:

THREE BUILDINGS LOCATED ADJACENT TO THE SE FENCE LINE WERE IN AN EARLY STAGE OF CONSTRUCTION.

25X1D



MOSKVA HELICOPTER TEST AREA BYKOV



25X1D 25X1D
25X1A 55-38- N 038-04- E



25X1D

STATUS: OPERATIONAL

25X1D

ASSOCIATED OBJECTS:



1 HOMER (STATIC TEST MODEL)

1 MEDIUM HELICOPTER (STATIC TEST MODEL)

25X1D



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WWIPIR CODES

<u>Status (STA:)</u>	<u>OB</u>	<u>Interpretability</u>
NEG - Negated	MIS: Missiles	E - Excellent
UCO - Under Const	AOB: Air	G - Good
COM - Complete	NVL: Naval	F - Fair
UKN - Unknown	GFW: Grd Force	P - Poor
NOP - Not Oprtl	ELC: Electronic	
OPR - Operat'l	AAA: Antiair	<u>Conditions</u>
OCC - Occupied	OBJ: Assoc Objs	CL - Clear
UNP - Unoccupied		SC - Scattered Cloud
ABN - Abandoned	<u>Mode</u>	HC - Heavy Cloud
RMV - Removed	W - Stereo/Blk & White	HA - Haze
TRN - Transitory	P - Part Stereo/ Blk & White	SN - Snow
DMG - Damaged	B - Mono Blk & White	SH - Shadow
DST - Destroyed	S - Stereo/Color	OL - Obliquity
	A - Part Stereo/ Color	SD - Semi- darkness
<u>General</u>	C - Mono Color	HD - Heavy Dust/ Smoke
IMR: Image Ref (Photo Ref)	D - Camouflage Detection	<u>Coverage</u>
DES: Description	F - Infrared	C - Complete
RMK: Remarks	R - Radar	P - Partial
IDC: Image Derived Coord.	N - Nonstandard	O - Oblique
MPR: Map Ref		V - Vertical
DFC: Defenses/ Security		

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25X1C

TOP SECRET



25X1C

TOP SECRET

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