

Top Secret



NATIONAL PHOTOGRAPHIC
INTERPRETATION CENTER

PHOTOGRAPHIC
EXPLOITATION
PRODUCTS

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(See inside cover)

**MONTHLY INDEX TO
PHOTOGRAPHIC EXPLOITATION PRODUCTS
JUNE 1979**



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JULY 1979
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PHOTOGRAPHIC EXPLOITATION PRODUCTS

**MONTHLY INDEX TO
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JUNE 1979**

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INTRODUCTION

The Index to Photographic Exploitation Products is a guide to the contents of reports and memoranda produced by means of photographic interpretation. These are added to the Exploitation Products Data File (EPF) of the National Base of Image-Derived Information (NBIDI) when received by the National Photographic Interpretation Center (NPIC). The index includes imagery interpretation reports produced by various components of the Army, Navy, Air Force, Central Intelligence Agency, Defense Intelligence Agency, and foreign governments, as well as those produced by NPIC. At the request of COMIREX/NIDBVG, this publication is compiled and published monthly then cumulated annually by NPIC for the use of properly cleared components of USIB member organizations.

Listed documents are on file in NPIC, and microfiche copies are available to requesters when parent organizations are unable to provide copies. Information, such as bibliographies on specific subjects, is available from the EPF to answer requests which cannot be satisfied from the PEP.

Requests for regular distribution of the PEP, for additional information from the EPF, or for microfiche copies of documents should be channeled through appropriate liaison offices located in NPIC. Organizations which do not have a liaison office in NPIC should submit the request in writing to NPIC/PSG/RSD/IB.

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GUIDE TO USERS

The PEP consists of six indexes:

- Subject in alphabetic sequence.
- Originator in report type/number sequence.
- General category with subject in alphabetic sequence.
- Geographic coordinate sequence. (Geographic coordinates area listed where a single area is involved.)

- WAC/BE number sequence.
- Accession number sequence.

The accession number sequence may be referred to for complete information on each document, including edited abstracts. An asterisk at the end of an abstract indicates the abstract was prepared by the Reports Analysis Section. Selected information is contained in the other sequences. The accession number should be used when requesting microfiche copies of documents.

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ABBREVIATIONS AND NUMERIC CODES

REPORT TYPES

| | | | |
|------------|--|-------|---|
| ARA | - All Source Research Aid | IRA | - Imagery Research Aid |
| BIBLO | - Bibliography | IRP | - Imagery Research Paper |
| BIIB | - Basic Imagery Interpretation Brief | LOT | - Letter of Transmittal |
| BIIR | - Basic Imagery Interpretation Report | MCS | - Mission Coverage Statistics |
| BRAD | - Briefing Aid (Only microfiche copies are available.) | MEMO | - Memorandum |
| BREF | - Photographic Interpretation Brief | MIPIR | - Multi-mission Imagery Interpretation Report |
| [redacted] | | MODL | - Model Announcement |
| DPIR | - Detailed Photographic Interpretation Report | NAIR | - New Applications of Imagery Report |
| DSIIB | - Direct Support Photographic Interpretation Brief | NBRG | - National Basic Reference Graphic |
| DSIIR | - Direct Support Photographic Interpretation Report | NEDR | - Detailed Photographic Interpretation Report (Near East) |
| ENDR | - Engineering Drawing | NEGR | - General Photographic Interpretation Report (Near East) |
| FEDR | - Detailed Photographic Interpretation Report (Far East) | NEIR | - Initial Photographic Interpretation Report (Near East) |
| FEGR | - General Photographic Interpretation Report (Far East) | NESR | - Special Photographic Interpretation Report (Near East) |
| FESR | - Special Photographic Interpretation Report (Far East) | NEWS | - Technical Newsletter |
| IIM | - Imagery Interpretation Memorandum | NOTE | - Photographic Interpretation Note |
| IIR | - Imagery Information Report | OAK | - Initial Mission Readout |
| INFR | - Inter-office Memorandum | PAR | - Photographic Analysis Report |
| IPIR | - Initial Photographic Interpretation Report | PIN | - Photographic Interpretation Note |
| | | PIR | - Photographic Interpretation Report |

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ABBREVIATIONS AND NUMERIC CODES (Continued)

REPORT TYPES (Continued)

REPT - Photographic Interpretation Report

SPIR - Special Photographic Intelligence Report

SR - Summary Report

STDY - Study

SUPR - Supplemental Photographic Intelligence Report

TP - Technical Publication

07 - CONFIDENTIAL

08 - CONFIDENTIAL/[redacted]

10 - TOP SECRET CHESS

11 - TOP SECRET CHESS [redacted]

13 - TOP SECRET CHESS RUFF

14 - TOP SECRET CHESS RUFF [redacted]

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20 - TOP SECRET [redacted]

21 - TOP SECRET [redacted]

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SECURITY CLASSIFICATION

00 - UNCLASSIFIED

01 - TOP SECRET

02 - TOP SECRET [redacted]

04 - SECRET

05 - SECRET [redacted]

22 - TOP SECRET CHESS [redacted]

23 - TOP SECRET CHESS [redacted]

24 - TOP SECRET CHESS RUFF [redacted]

25 - TOP SECRET CHESS RUFF [redacted]

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ORIGINATOR

ACDA - ARMS CONTROL AND DISARMAMENT AGENCY

AF - AIR FORCE

ARMY - ARMY

[redacted]
CIA - CENTRAL INTELLIGENCE AGENCY

DIA - DEFENSE INTELLIGENCE AGENCY

GMAIC - GUIDED MISSILE AND ASTRONAUTICS INTELLIGENCE
COMMITTEE

[redacted]
JOINT - JOINT (2 or more USIB members participating)

NATO - NORTH ATLANTIC TREATY ORGANIZATION

NAVY - NAVY

NPIC - NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER

NSA - NATIONAL SECURITY AGENCY

NTPC - NATIONAL TECHNICAL PROCESSING CENTER

[redacted]
SAC - SAC (544th RTS)

SAC-1 - SAC-1 (8th RTS)

SAC-2 - SAC-2 (3921 ST RTS)

SAC-C - SAC-C (15th RTS)

STL - SPACE TECHNOLOGY LABORATORY

[redacted]
USIB - UNITED STATES INTELLIGENCE BOARD

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EPF SUBJECT CATEGORIES

05 - AIR ACTIVITY

Airfields, seaplane stations, aircraft, storage, production, research, training, aerohydrodynamic vehicles, and air defense activity.

10 - GENERAL ACTIVITY

Complex studies, unidentified installations/equipment, and terrain or analyses, agriculture analyses.

13 - BIOLOGICAL/CHEMICAL WARFARE ACTIVITY

Research, production, testing, training, and storage.

15 - COMPREHENSIVE REPORTS

Mission readouts, summaries, and country or area studies.

25 - ELECTRONICS/COMMUNICATIONS ACTIVITY

Radar and radio installations/equipment, missile, air, naval related installations/equipment, production, research, testing.

30 - INDUSTRIAL ACTIVITY

Raw materials, basic processing, heavy and light industry, chemical plants, and power facilities. (For shipbuilding, see NAVAL. For nuclear power plants, see NUCLEAR.)

35 - MILITARY ACTIVITY

Ground force installations/equipment, production, testing, research, and repair.

40 - MISSILE & SPACE ACTIVITY

Sites, research, production, storage, and equipment.

55 - NUCLEAR ACTIVITY

Mining, production research, testing, storage, and nuclear power plants.

60 - OVERLAYS/PLOTS

Mission Coverage Plots, Mission Coverage Statistics, tracks, and annotated maps.

65 - RESEARCH AND DEVELOPMENT ACTIVITY

Technical publications and miscellaneous R&D installations.

75 - NAVAL ACTIVITY

Submarine bases, naval bases and air stations, shipyards, research, and equipment.

80 - STORAGE ACTIVITY (NON-MILITARY)

POL storage, agricultural storage, and industrial storage.

85 - TRANSPORT AND PIPELINE ACTIVITY

Road and rail activity, pipelines, and canal systems.

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PART I

Listing of Reports Alphabetically

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| SUBJECT | COUN | COORD | ACCN NO. |
|---|------|-------|----------|
| AIRCRAFT, BACKFIRE B WEAPONS RACK | UR | | S086597 |
| AIRCRAFT, COOT IL-22 AIRBORNE COMD POST MODIF | UR | | S087067 |
| AIRCRAFT, FLOGGER B/G MIG-23 COMPARISON | UR | | S086596 |
| AIRCRAFT, FLOGGER C MIG-23 | CU | | S087068 |
| AIRCRAFT, FLOGGER D/FITTER C GUN POD | UR | | S086595 |
| AIRCRAFT, FLOGGER F MIG-23 | CU | | S087068 |
| AIRCRAFT, FLOGGER G/B MIG-23 COMPARISON | UR | | S086596 |
| AIRCRAFT, FORGER B YAK-36 | UR | | S086593 |
| AIRCRAFT, HIND D MI-24 MODIFIED | UR | | S087036 |
| AIRCRAFT, R+D/PROD FACILS ROOF AREA INCREASE | UR | | S086803 |
| AIRCRAFT, R+D/PROD FACILS ROOF AREA INCREASE | CH | | S086787 |
| AIRFIELDS, AIR ACTIVITY 1 JAN-16 FEB 1979 | CH | | S087115 |
| AIRFIELDS, HANGARETTES | UR | | S087269 |

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| | | | |
|---|----|------------------|---------|
| ALAKURTTI ARMY BARRACKS AL1 MRR + ARTY REGT | UR | 665805N 0302027E | S087070 |
| ALMA ATA COMMAND CONTROL RADCOM FACIL BKR U/I | UR | 430910N 0762330E | S087396 |
| ALMA ATA COMMAND CONTROL RADCOM FACIL BKR U/I | UR | 431211N 0763603E | S087298 |
| AMDERMA AIR DEFENSE HQ TALL KING EW RADAR FAC | UR | 694500N 0614400E | S086797 |
| ANASTASYEVKA ARMY BARRACKS AL1/TRNG AREA TA1 | UR | 483432N 1353720E | S087180 |
| ANASTASYEVKA ARMY BARRACKS AL1/TRNG AREA TA1 | UR | 483432N 1353720E | |
| ANHSIEN AEROSPACE R+D FACIL WIND TNL CMPNTS | CH | 314221N 1042832E | S086808 |

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| SUBJECT | COUN | COORD | ACCN NO. |
|---|------|------------------|----------|
| ANHSIEN AEROSPACE R+D FACILITY | CH | 314221N 1042832E | S086791 |
| ANTOPOL RADIO RELAY STATION | UR | 521235N 0244610E | S087373 |
| ARMAVIR AVTOKOLONNA 1715 | UR | 445855N 0410640E | S087241 |
| [REDACTED] | | | |
| BACAU AIRFRAME PLANT | RO | 463120N 0265510E | S087122 |
| BARREIRA DO INFERNO ROCKET TEST RANGE | BR | 055500S 0350900W | S087116 |
| BATUMI ARMY BARRACKS SE AL15 | UR | 413510N 0143900E | S087276 |
| BELOGORSK AIR DEPOT WEST GSE | UR | 505429N 1282712E | S087459 |
| BELOGORSK ARMY BARRACKS AL1/HEADQUARTERS MRD | UR | 505413N 1282858E | S087133 |
| BELOOMUT SPACE TRKG FACIL A/C TEST LANE ASSOC | UR | 545700N 0392110E | S087375 |
| [REDACTED] | | | |
| BERDYANSK AIRFIELD HELICOPTER ASSAULT REGT | UR | 464903N 0364532E | S087262 |
| [REDACTED] | | | |
| BIYSK ARMY TRAINING AREA TA1 | UR | 523036N 0852110E | S087177 |
| BIYSK SOLID MOTOR TEST AREA 2 RKT MTR TESTING | UR | 523119N 0850154E | S086902 |
| BIYSK SOLID MOTOR TEST AREA 2 TEST PREP | UR | 523119N 0850154E | S086906 |
| BOBROVICH I AIRFIELD AIRCRAFT SHELTERS | UR | 521649N 0292126E | S087458 |
| BREST RADIO RELAY/TV/FM BDCSTG CTR ROKINITSA | UR | 520812N 0235857E | S087373 |
| BURUNDAY AVTOKOLONNA 2562 | UR | 432107N 0765044E | S087235 |
| CAM RANH NAVAL + LOG SUPPORT BASE SHIPS SOV | VM | 115445N 1091320E | S087255 |

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| SUBJECT | COUN | COORD | ACCN NO. |
|---|------|------------------|----------|
| [REDACTED] | | | |
| CHENGTU AIRFRAME PLANT 132 FISHBED F-7 COUNTS | CH | 304224N 1035744E | S087026 |
| CHIENSHUI SSM COMPLEX | CH | 233805N 1025030E | S086792 |
| CHINGTAO NAVAL DOCKYARD | CH | 360424N 1201818E | S087137 |
| CHINGTAO NAVAL DOCKYARD | CH | 360424N 1201818E | |
| CHINGTAO NAVAL SHIPYARD | CH | 360345N 1201740E | S087139 |
| CHINGTAO NAVAL SHIPYARD | CH | 360345N 1201740E | |
| CHIRCHIK ELECTROCHEMICAL CMB CRYOGEN RAILCARS | UR | 412733N 0693440E | S086799 |
| CHIRCHIK ELECTROCHEMICAL CMB CRYOGEN RAILCARS | UR | 412733N 0693440E | |
| CHITA MILITARY ROAD CONSTRUCTION BN PESHANKA | UR | 515920N 1133558E | S087220 |
| CHOYBALSAN MILITARY STORAGE DPO DX1 ABANDONED | MG | 480638N 1143411E | S087302 |
| DA NANG AIRFIELD BEAR D TU-95 DEPLOYMENT | VM | 160233N 1081215E | S086910 |
| DA NANG NAVAL STATION NAVAL UNITS SOV IDENT | VM | 160700N 1081330E | S086904 |
| DARASUN RADIO RELAY STATION | UR | 514100N 1135000E | S087461 |
| DERAZHNYA ICBM COMPLEX SUPT FAC TYPE 36 SILO | UR | 492205N 0270914E | S086894 |
| [REDACTED] | | | |
| DNEPROPETROVSK TV + FM BROADCASTING CENTER | UR | 482655N 0350120E | S087419 |
| [REDACTED] | | | |
| DODONOVO MISSILE + SPACE COMPONENTS PLANT | UR | 561540N 0933135E | S086809 |
| DODONOVO MISSILE + SPACE COMPONENTS PLANT | UR | 561540N 0933135E | |
| DROVYANAYA ICBM HQ RADCOM RECEIVER BKR HARD | UR | 513141N 1130356E | S086814 |
| DROVYANAYA ICBM HQ RADCOM XMTR STATION BKR | UR | 513741N 1133859E | |
| DROVYANAYA MOBILE IRBM BASE 1 COMD CNTRL FAC | UR | 512718N 1130402E | |
| DROVYANAYA MOBILE IRBM BASE 2 COMD CNTRL FAC | UR | 512021N 1130114E | |
| DROVYANAYA MOBILE IRBM BASE 3 COMD CNTRL FAC | UR | 512558N 1130305E | |

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| DROVYANAYA MOBILE IRBM BASE 5 U/C SS-20 ASSOC | UR | 512411N 1125158E | S087125 |
| DUBNICA NAD VAHOM METALLURGICAL PLT TRT POSS | CZ | 485800N 0181114E | S087018 |
| DUBNICA NAD VAHOM METALLURGICAL PLT TRT POSS | CZ | 485800N 0181114E | |
| DURBAN PORT FACILS RESHEF CLASS PGG SSM ARMED | SF | 295230S 0310230E | S087290 |
| DURBAN PORT FACILS RESHEF CLASS PGG SSM ARMED | SF | 295230S 0310230E | |

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|---|----|------------------|---------|
| ELECTRONICS, BMP M-1975 BATTLEFIELD RADAR | UR | | S087147 |
| ELECTRONICS, BOW + ARROW INTERFEROMETERS | UR | | S086811 |
| ELECTRONICS, CANDID/CARELESS SAT COMMO FACILS | UR | | S087455 |
| ELECTRONICS, CANDID/CARELESS SAT COMMO FACILS | UR | | |
| ELECTRONICS, COMMAND CNTRL COMMO SS-20 ASSOC | UR | | S086814 |
| ELECTRONICS, DOME ANTS ICBM ASSOC BLDGS HARD | UR | | S087150 |
| ELECTRONICS, FACILITIES A/C TEST LANE ASSOC | UR | | S087375 |
| ELECTRONICS, KY-EL-6 ANTENNA SS-16/20 ASSOC | UR | | S086666 |
| ELECTRONICS, RAMONA M MOBILE ELINT SYSTEM | CZ | | S087118 |
| ELECTRONICS, R+D FACILS ROOF AREA INCREASE | UR | | S086803 |
| ELECTRONICS, SUUJI E RADAR | CH | | S086812 |
| ELECTRONICS, USAREUR BBV4090 GAZ-66 RI/DF SYS | UR | | S086485 |
| ELECTRONICS, USAREUR BBV4090 GAZ-66 RI/DF SYS | UR | | |
| ENTEBBE AIRFIELD COMBAT DAMAGE | UG | 000230N 0322617E | S087127 |
| FEODOSIYA SHIPYARD YUZNAYA TOCHKA YUZH B ACV | UR | 450711N 0352953E | S086908 |
| FOULING SHIPYARD SUBMARINE CONSTRUCTION | CH | 294445N 1071828E | S087136 |
| GASTELLO ARMY BARRACKS AL1 | UR | 490610N 1425700E | S087301 |

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| GASTELLO ARMY BARRACKS AL1 | UR | 490610N 1425700E | S087181 |

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| GLADKAYA ICBM COMPLEX CP BKR COMD CNTRL FACS | UR | 561419N 0921918E | S086814 |
| GLADKAYA ICBM HQ RADCOM RCVR STA COMD CONTROL | UR | 561544N 0921645E | |
| GLADKAYA ICBM HQ RADCOM XMTR STA COMD CONTROL | UR | 560927N 0930036E | |
| GLADKAYA ICBM SITE 2 DEACTIVATED | UR | 562459N 0922702E | |
| GLADKAYA ICBM SITE 3 DISMANTLED | UR | 562027N 0921956E | |

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| GLIWICE AMMUNITION STORAGE FACILITY 514 | PL | 501800N 0183757E | S087303 |
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| GOMEL TV CENTER | UR | 522602N 0310043E | S087373 |
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| GORBATOV RADIO RELAY STATION | UR | 560620N 0430330E | S086619 |
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| GRUDOVO AMMUNITION STORAGE FACILITY 502 | BU | 422019N 0270932E | S087224 |
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| GRYFICE AMMUNITION STORAGE AREA | PL | 535539N 0151054E | S087305 |
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| GYOR ARMY BARRACKS DOBI ISTVAN 25 | HU | 474233N 0174103E | S087266 |
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| HANU CONACHE AMMUNITION DEPOT 4 | RO | 453513N 0273403E | S087251 |
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| INDUSTRY AMMONIA PLANTS IMPORTED PROD IMPACT | UR | | S087146 |
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| IRKUTSK AIRFRAME PLANT 39 CHECKOUT HANGAR NEW | UR | 522131N 1041216E | S087022 |
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| IVANOVO RADIO RELAY STATION | UR | 520730N 0253338E | S087373 |
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| IVAYLOVGRAD AMMUNITION STORAGE FACILITY 501 | BU | 413113N 0260647E | S087226 |
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| KALININGRAD/YEZAU STORAGE DEPOT | UR | 543150N 0203620E | S086613 |
| KALOYANOVETS AMMUNITION STORAGE FACILITY | BU | 422010N 0253410E | S087225 |
| KAMCHATKA MISSILE IMPACT AREAS CRATERS | UR | 5712 N 16133 E | S086795 |
| KANDALAKSHA MILITARY BKS AL2/HQ MRD MRR IDENT | UR | 671019N 0322523E | S087070 |
| KAPUSTIN YAR MTC SS-20 TRNG SS-16/20 EQUIP CF | UR | 484640N 0460310E | S087292 |
| KAPUSTIN YAR MTC SS-20 TRNG SS-16/20 EQUIP CF | UR | 484640N 0460310E | |
| KAPUSTIN YAR MTC SS-20 TRNG SS-16/20 EQUIP CF | UR | 484640N 0460310E | |
| KARAGANDA AVTOKOLONNA 2582 | UR | 494710N 0730455E | S087237 |
| KARSHI AIRFIELD SOUTH TWIN EAR ANTENNA SEARCH | UR | 384822N 0654615E | S087420 |
| KARSHI ORDNANCE DEPOT D01 TWIN EAR ANT SEARCH | UR | 384927N 0654545E | |
| KARSHI ORDNANCE DEPOT D01 TWIN EAR ANT SEARCH | UR | 384927N 0654545E | |
| KAZAN LASER TEST RNGE TGT DMG/DIAGNOSTIC BLDG | UR | 555345N 0485031E | S087045 |
| KAZANLUK AMMUNITION STORAGE FACILITY 505 | BU | 423325N 0252203E | S087228 |
| KEM MILITARY BARRACKS AL3 MTR2D RIFLE REGT | UR | 645710N 0343433E | S087070 |
| KHABAROVSK ARMY BARRACKS AL30 | UR | 482134N 1350333E | S087179 |
| KHABAROVSK MILITARY BARRACKS AL1 + HQ MRD | UR | 482815N 1350610E | S087178 |

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| SUBJECT | COUN | COORD | ACCN NO. |
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| KHABAROVSK NAVAL BASE OSTROV ZAYACHIIY | UR | 483430N 1350150E | S087015 |
| KHABAROVSK SHIPYARD AMURFLOT | UR | 483440N 1350206E | S087190 |
| KHARKOV AVTOKOLONNA 2251 | UR | 495712N 0360822E | S087236 |
| KHARMANLI AMMUNITION DUMP SE 504 | BU | 415505N 0255445E | S087249 |
| KHARMANLI AMMUNITION STORAGE DEPOT WNW 503 | BU | 415630N 0255140E | S087248 |
| KHASKOVO AMMUNITION DEPOT | BU | 415255N 0253240E | S087250 |
| KHERSON SHIPYARD | UR | 463647N 0323534E | S087198 |
| KHERSON SHIPYARD KUYBYSHEV | UR | 463715N 0323630E | S087199 |
| KISHINEV MILITARY STORAGE DEPOT DX1 | UR | 470250N 0284940E | S087222 |
| KIYEV ENGINEER DEPOT WEST DE1 | UR | 502645N 0302325E | S087460 |
| KLINTSY TV RELAY STATION | UR | 524435N 0321435E | S087373 |
| KOBRIN RADIO RELAY STATION | UR | 521705N 0242900E | |
| KOLPINO SHIPYARD MIDDLE NEVA | UR | 594716N 0303754E | S087195 |
| KONKOVICHI MOBILE IRBM BASE COMMAND CNTRL FAC | UR | 521040N 0283445E | S086814 |
| KONKOVICHI MRBM REGIMENTAL COMMAND POST BKR | UR | 521036N 0283441E | |
| KONKOVICHI MRBM REGIMENTAL HQ RECEIVER BKR | UR | 521049N 0283613E | |
| KOROSTEN ARMY BARRACKS AL1 + SAM SUPPORT UNIT | UR | 505624N 0283850E | S087030 |
| KOROSTEN ARMY BARRACKS LUGINY AL3 | UR | 510531N 0282251E | |
| KORSAKOV NAVAL BASE | UR | 463801N 1424551E | S087014 |
| KORSUN SHEVCHENKOVSKIY RADIO RELAY STATION | UR | 492410N 0311600E | S087418 |
| KOVEL RADIO RELAY + TV RELAY STATION | UR | 511200N 0244010E | S087373 |
| KOZHANOVICHI MOBILE IRBM BASE COMD CNTRL FAC | UR | 521127N 0274843E | S086814 |

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| SUBJECT | COUN | COORD | ACCN NO. |
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| KOZHANOVICHI MRBM REGIMENTAL HQ RADCOM RCVR | UR | 521100N 0274800E | |
| KOZHANOVICHI MRBM REGIMENTAL HQ RADCOM XMTR | UR | 521602N 0280521E | |
| KRUMOVGRAD AMMUNITION STORAGE DEPOT NNW | BU | 412918N 0253808E | S087247 |
| KRZYSTKOWICE AMMUNITION DEPOT NW | PL | 514843N 0151140E | S087436 |
| KUANGCHI SHIPYARD PPS-TYPE SOV PONTOON BRIDGE | CH | 294903N 1153044E | S086909 |
| KUANGCHOU SHIPYARD TUNGLANG YU LIANG CL LSM | CH | 230430N 1131450E | S087123 |

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| KURGAN MEDICINAL PREPARATIONS PLANT | UR | 552409N 0651257E | S087057 |
| KURGAN MEDICINAL PREPARATIONS PLANT HARDENED | UR | 552409N 0651257E | S087043 |
| KURUMOCH ROCKET ENGINE TEST FAC TWO-TONE TKS | UR | 533215N 0495116E | S086810 |
| KUZNETSOVO AIRCRAFT/MISSILE ENGINE TEST FAC | UR | 553226N 0382941E | S087114 |
| KUZNETSOVO AIRCRAFT/MISSILE ENGINE TEST FAC | UR | 553226N 0382941E | |

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| LENINGRAD SHIPYARD ADMIRALTY ENVRNMTL SHELTER | UR | 595502N 0301618E | S086623 |
| LENINGRAD SHIPYARD BALTIYSK 189A CL NAVAL AUX | UR | 595518N 0301539E | S086604 |
| LENINGRAD SHIPYARD BALTIYSK 189A CLASS AG | UR | 595518N 0301539E | S087038 |
| LENINGRAD SHIPYARD PETROVSKIY CONST PROGRAM | UR | 595736N 0301512E | S087272 |
| LEONIDOVO MILITARY BARRACKS AL2/HQ MRD | UR | 491640N 1425136E | S087306 |
| LIUCHINGKOU IRBM RADCOM STATION NORTH BKR | CH | 3808 N 10006 E | S086805 |
| LIUCHINGKOU SSM CAVE STORAGE AREA | CH | 381145N 1000850E | |
| LIUCHINGKOU SSM COMPLEX | CH | 380835N 1000625E | |
| LIUCHINGKOU SSM COMPLEX COMMAND POST BKR FAC | CH | 380815N 1001020E | |
| LIUCHINGKOU SSM FIELD POSITION | CH | 381328N 0995932E | |
| LIUCHINGKOU SSM SITE 1 | CH | 380944N 0995931E | |
| LIUCHINGKOU SSM SITE 2 | CH | 381446N 1000356E | |
| LIUCHINGKOU SSM SITE 3 | CH | 380510N 1001036E | |
| LIUCHINGKOU SSM SITE 4 | CH | 381348N 1001559E | |

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TOP SECRET CHESS RUFF

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TOP SECRET CHESS RUFF

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| SUBJECT | COUN | COORD | ACCN NO. |
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| LUTA SHIPYARD DAIREN FU CHING CLASS AOR LNCH | CH | 385559N 1213816E | S087258 |
| LVQV ELECTRONICS DEPOT NE | UR | 495140N 0240440E | S087245 |
| LYSKOVO RADIO RELAY STATION WEST | UR | 560100N 0444930E | S087462 |
| MAKAT FAD-741 EMITTER BIG BAR RADAR DESTROYED | UR | 480319N 0534334E | S086903 |
| MALTA BW STORAGE FACILITY POSS U/C HARDENING | UR | 524827N 1032930E | S087043 |
| MATRUH SA-6 SUPPORT FACILITY 2 SA-6 TRSHPMT | EG | 312035N 0271240E | S086898 |

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| MINFENG MISSILE IMPACT AREA | CH | 365005N 0825910E | S086614 |
| MINSK/MACHULISHCHE AIRFIELD BLINDER/AS-4 DPL | UR | 534626N 0273442E | S087294 |
| MINSK/MACHULISHCHE AIRFIELD BLINDER/AS-4 DPL | UR | 534626N 0273442E | |
| MISSILES, REAR SUPT DPOS SS-16/20 EQUIP SRCH | UR | | S087056 |
| MISSILES, REAR SUPT DPOS SS-16/20 EQUIP SRCH | UR | | |
| MISSILES, R+D/PROD FACILS ROOF AREA INCREASE | CH | | S086787 |
| MISSILES, R+D/PROD FACILS ROOF AREA INCREASE | UR | | S086803 |
| MISSILES, SS-16/SS-20 ASSOCIATED BUILDINGS | UR | | S086794 |
| MISSILES, SS-16/SS-20 ASSOCIATED BUILDINGS | UR | | |
| MISSILES, SS-20 CAMOUFLAGE NETS | UR | | S086620 |

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TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

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| SUBJECT | COUN | COORD | ACCN NO. |
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| MISSILES, 80MM ROCKET POD 20-SHOT | UR | | S086594 |
| MOSKVA MISSILE DESIGN BUREAU OKB16 | UR | 554415N 0373700E | S086790 |
| MOSKVA/SHCHELKOVO AIRFIELD TASM NEW IDENT | UR | 555248N 0380347E | S087065 |
| MOSKVA/SHCHELKOVO AIRFIELD TASM NEW IDENT | UR | 555248N 0380347E | |
| MOZYR MOBILE IRBM BASE + TRNG FAC COMD CNTRL | UR | 520210N 0291108E | S086814 |
| MOZYR MRBM DIVISION COMMAND POST BUNKERED | UR | 520428N 0290641E | |
| MOZYR MRBM DIVISION HQ RADCOM RCVR BKR HARD | UR | 520424N 0290645E | |
| MOZYR MRBM DIVISION HQ RADCOM TRANSMITTER STA | UR | 520542N 0291658E | |
| MUKACHEVO ARMY BARRACKS AL7 | UR | 481847N 0223047E | S087300 |
| NAKASONGOLA AIRFIELD BLINDER TU-22 IDENT | UG | 012419N 0322833E | S086895 |
| NANCHANG AIRFRAME + MISSILE PLANT 320 NAN B | CH | 283752N 1155526E | S086610 |
| NANCHANG AIRFRAME + MISSILE PLANT 320 NAN B | CH | 283752N 1155526E | |
| NARYAN MAR AIRFIELD AD HQ TALL KING RADAR FAC | UR | 673945N 0530900E | S086797 |
| NAVAL, ACTIVITY SUMMARY SALT RELATED | UR | | S087069 |

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| NIKOLAYEV SHIPYARD NORTHERN 61 445F CLASS NEW | UR | 465840N 0320019E | S087037 |
| NIKOLAYEV VEHICLE STGE FAC D01 SA-2 SUPT PROB | UR | 465953N 0320059E | S087233 |
| NIKOLAYEV VEHICLE STGE FAC D01 SA-2 SUPT PROB | UR | 465953N 0320059E | |
| NOVAKY AMMUNITION + GENERAL DEPOT | CZ | 484533N 0183157E | S087244 |
| NOVAYA MEZINOVKA MISSILE SUPT REAR DPO SS-20 | UR | 533047N 0265525E | S087056 |
| NOVOSIBIRSK ICBM COMPLEX COMMAND POST BKR | UR | 550918N 0825700E | S086814 |
| NOVOSIBIRSK ICBM HQ RADCOM RECEIVER BKR HARD | UR | 551621N 0825853E | |
| NOVOSIBIRSK ICBM HQ RADCOM TRANSMITTER STA | UR | 550944N 0825615E | |
| NOVOSIBIRSK MOBILE IRBM BASE 1 COMD CNTRL FAC | UR | 551904N 0831001E | |

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TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

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| SUBJECT | COUN | COORD | ACCN NO. |
|---|------|------------------|----------|
| NOVOSIBIRSK MOBILE IRBM BASE 2 COMMAND CNTRL | UR | 552215N 083140E | |
| [REDACTED] | | | |
| OCHAKOV NAVAL BASE | UR | 463700N 0313300E | S087197 |
| ODESSA ARMY BARRACKS SVERDLOVO AL12 | UR | 463504N 0305508E | S087267 |
| ODESSA MILITARY TRAINING AREA 1 | UR | 463615N 0305730E | |
| OLSHANITSA ORDNANCE DEPOT D01 | UR | 493730N 0304000E | S087434 |
| OMSK TANK PLANT VOROSHILOV 174 TANK NEW PROB | UR | 545556N 0732329E | S087256 |
| [REDACTED] | | | |
| ORASTIE AMMUNITION DEPOT 502 | RO | 455012N 0231002E | S087223 |
| ORKENY ARMY BARRACKS TABOR 1 | HU | 470503N 0192716E | S087264 |
| OVRUCH ARMY BARRACKS AL1 + HQ TANK DIVISION | UR | 511947N 0284744E | S087030 |
| OVRUCH RAILROAD YARD SS-21 TEL/RESUPPLY VEH | UR | 511934N 0284908E | S087293 |
| OVRUCH RAILROAD YARD SS-21 TEL/RESUPPLY VEH | UR | 511934N 0284908E | |
| [REDACTED] | | | |
| PAROKHONSK RADIO RELAY STATION | UR | 521330N 0262755E | S087373 |
| PECHENGA SUBMARINE BASE LINAKHAMARI | UR | 693803N 0312213E | S087192 |
| PEICHING GUIDED MISSILE DPC MISSILE SYS R+D | CH | 394849N 1160805E | S086807 |
| PEICHING GUIDED MISSILE DPC PRPLN DEV/TEST | CH | 394849N 1160805E | S086806 |
| PEICHING GUIDED MISSILE PLANT MSL ASSOC EQUIP | CH | 394748N 1162358E | S086605 |
| [REDACTED] | | | |

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TOP SECRET CHESS RUFF

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| SUBJECT | COUN | COORD | ACCN NO. |
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| PETROPAVLOVSK NAVAL BASE RAKOVAYA GUBA NORTH | UR | 525911N 1583932E | S087191 |
| PETROPAVLOVSK NAVAL MISSILE STORAGE | UR | 525653N 1582258E | S087013 |
| PETROPAVLOVSK SHIPYARD 412 | UR | 525743N 1584117E | S087186 |
| PETROPAVLOVSK SUBMARINE BASE/RPR YD D-3 SSBN | UR | 525455N 1582952E | S087129 |
| PETROPAVLOVSK SUBMARINE BASE/RPR YD D-3 SSBN | UR | 525455N 1582952E | |

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| PILAWA MILITARY STORAGE FACILITY | PL | 515644N 0213203E | S087234 |
| PINGPA AIRCRAFT PROPULSION SYSTEM R+D CENTER | CH | 262215N 1061602E | S086788 |
| PINSK RADIO RELAY STATION | UR | 521045N 0260330E | S087373 |
| PLESETSK MTC GUIDANCE RELATED FACILITIES | UR | 625746N 0402346E | S086802 |
| PLOPENI AMMUNITION DEPOT NORTH | RO | 450455N 0255911E | S087240 |
| PLZEN ARMY BKS NA SLOVANECH SE 3 SP GUNS NEW | CZ | 494313N 0132423E | S086897 |

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| POLYANOVGRAD AMMUNITION STORAGE FACILITY 503 | BU | 423842N 0270017E | S087229 |
| POSTAVY MOBILE IRBM BASE COMMAND CONTROL FACS | UR | 550941N 0265346E | S086814 |
| POTI NAVAL BASE + SHIPYARD YELYAVA 201 | UR | 420935N 0413926E | S087196 |
| POTI NAVAL BASE + SHIPYARD YELYAVA 201 | UR | 420935N 0413926E | |
| PRIMORSKIY HELIPORT HIND MI-24 IDENTIFICATION | UR | 450750N 0353130E | S087028 |
| PUNTA MOVIDA NAVAL FACILITY F/W CL SS IDENT | CU | 220315N 0802640W | S087291 |
| RADOVITSY OPTICAL TRACKING FAC A/C TEST ASSOC | UR | 550530N 0393130E | S087375 |
| RADOVITSY OPTICAL TRACKING FAC A/C TEST ASSOC | UR | 550530N 0393130E | |
| RAKOVNIK MILITARY BARRACKS + VEHICLE PARK | CZ | 500555N 0134540E | S087271 |
| RAKOVNIK MILITARY BARRACKS + VEHICLE PARK | CZ | 500555N 0134540E | |

TOP SECRET CHESS RUFF

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TOP SECRET CHESS RUFF

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| SUBJECT | COUN | COORD | ACCN NO. |
|---|------|------------------|----------|
| RAMENSKOYE FLIGHT TEST CTR BACKFIRE B MODIF | UR | 553418N 0380923E | S087019 |
| RAMENSKOYE FLIGHT TEST CTR CHARGER DISMANTLED | UR | 553418N 0380923E | S087021 |
| [REDACTED] | | | |
| RIGA NAVAL BASE + SHIPYARD BOLDERAJA | UR | 570302N 0240146E | S087194 |
| RIGA NAVAL BASE + SHIPYARD BOLDERAJA | UR | 570302N 0240146E | |
| ROSTOV AIRFRAME PLANT 168 HIND D MI-24 MODIF | UR | 471516N 0394318E | S087036 |
| ROSTOV RADIO RELAY STATION SW | UR | 570940N 0391800E | S086617 |
| ROSTOV RADIO RELAY STATION WSW | UR | 570923N 0391655E | |
| [REDACTED] | | | |
| RUACANA FALLS DAM CUNENE RIVER HOSTILITIES | AO | 172230S 0141230E | S087295 |
| RUBTSOVSK ARMORED VEHICLE TEST FACILITY | UR | 514130N 0811200E | S087268 |
| SARANTSI AMMUNITION DEPOT ENE 503 | BU | 424434N 0234823E | S087398 |
| [REDACTED] | | | |
| SARY SHAGAN MTC COMPLEX F ABM LAUNCH PREP | UR | 462629N 0725108E | S086899 |
| [REDACTED] | | | |
| SEMIPALATINSK ARMY BARRACKS AL1/HQ ARTY DIV | UR | 502310N 0801100E | S087176 |
| SEMIPALATINSK AVTOKOLONNA 2584 | UR | 502644N 0801417E | S087242 |
| [REDACTED] | | | |

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TOP SECRET CHESS RUFF

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| SUBJECT | COUN | COORD | ACCN NO. |
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| SEVASTOPOL ARMY SUPPLY DEPOT DX2 | UR | 443458N 0332835E | S087238 |
| SEVASTOPOL MILITARY SUPPLY DEPOT DX2 | UR | 443232N 0333510E | S087299 |
| SEVASTOPOL ORDNANCE DEPOT D02 | UR | 443833N 0333544E | S087246 |
| SEVERODVINSK NAVAL BASE WEST | UR | 643420N 0394551E | S087193 |
| SEVERODVINSK SHIPYARD A SSN PRESSURE HULL CF | UR | 643438N 0394832E | S086621 |
| SEVERODVINSK SHIPYARD A SSN PRESSURE HULL CF | UR | 643438N 0394832E | |

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| SEVERODVINSK SHIPYARD 402 COVERED TRANSVERSER | UR | 643438N 0394832E | S086900 |
| SEVERODVINSK SHIPYARD 402 D-3 SSBN UNIT 10 | UR | 643438N 0394832E | S087131 |
| SEVERODVINSK SHIPYARD 402 PRESSURE HULL CRTS | UR | 643438N 0394832E | S086625 |
| SEVERODVINSK SHIPYARD 402 PRESSURE HULL U/C | UR | 643438N 0394832E | S086901 |
| SHANGHAI SHIPYARD PUTUNG | CH | 311504N 1213103E | S087141 |
| SHANGHAI SHIPYARD WEST | CH | 311524N 1213103E | S087142 |
| SHENYANG AIRFRAME PLANT 112 FARMER F F-9 PROD | CH | 415208N 1232600E | S087027 |
| SHENYANG AIRFRAME PLANT 112 FARMER MODIFIED | CH | 415208N 1232600E | S087024 |

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| SHIPS, 6 CLASS SSB | UR | | S087285 |
| SHIPS, KRIVAK-1 CLASS FFG | UR | | S087041 |
| SHIPS, KRIVAK-2 CLASS FFG | UR | | |
| SHIPS, NOVOL A CLASS PB | UR | | S087270 |
| SHIPS, 189A CLASS AG | UR | | S087038 |

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TOP SECRET CHESS RUFF

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| SUBJECT | COUN | COORD | ACCN NO. |
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| SHIPS, 189A CLASS NAVAL AUXILIARY | UR | | S086604 |
| SHIPS, 445D CL NAVAL AUX RPR SHIP FITTING OUT | UR | | S086598 |
| SHIPS, 445F CLASS COMBATANT NEW | UR | | S087037 |
| SHUANGCHENG TZU MTC ICBM PAD B2 AZIMUTH MARKER | CH | 411828N 1001854E | S087273 |
| SHUANGCHENG TZU MTC ICBM SITE B1/2 ELCT EQUIP | CH | 411828N 1001854E | S086789 |
| SHUANGCHENG TZU MTC ICBM SITE B1/2 LAUNCH PREP | CH | 411828N 1001854E | S086896 |
| SHUANGCHENG TZU MTC SSM SITE A ELCT EQUIPMENT | CH | 411653N 1001816E | S086789 |
| | | | |
| SINKEVICH I RADIO RELAY STATION | UR | 521305N 0271518E | S087373 |
| SLAVYANKA SHIP REPAIR YARD | UR | 425200N 1312326E | S087189 |
| SLIVEN AMMUNITION DEPOT 515 | BU | 423931N 0261812E | S087438 |
| SLIVNITSA AMMUNITION DUMP ALDOMIROVTSI NE | BU | 425200N 0230020E | S087439 |
| SMOLENSK AIRFIELD SOUTH | UR | 544441N 0320405E | S087457 |
| SMOLYANINOVO ARMY BARRACKS AL1 MRD DEPARTURE | UR | 431808N 1322816E | S087286 |
| SMORGON IRBM REGIMENTAL COMMAND POST BUNKERED | UR | 543202N 0261747E | S086814 |
| SMORGON IRBM REGIMENTAL HQ RADCOM XMTR STA | UR | 542300N 0264000E | |
| SMORGON IRBM REGIMENTAL HQ RADIO RCVR ABND | UR | 543120N 0261720E | |
| SMORGON MOBILE IRBM BASE 1 COMMAND CNTRL FACS | UR | 543151N 0261723E | |
| SMYADOVO AMMUNITION DEPOT SOUTH 501 | BU | 430306N 0270112E | S087437 |
| SOVETSKAYA GAVAN NAVAL BASE + SHIPYARD 263 | UR | 485738N 1401623E | S087010 |
| SOVETSKAYA GAVAN NAVAL BASE + SHIPYARD 263 | UR | 485738N 1401623E | |
| SOVETSKAYA GAVAN SHIP REPAIR YARD BYAUDE | UR | 490038N 1401438E | S087011 |
| SPACE, R+D FACILITIES ROOF AREA INCREASE | UR | | S086803 |

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TOP SECRET CHESS RUFF

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| SUBJECT | COUN | COORD | ACCN NO. |
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| SPACE, R+D, FACILITIES ROOF AREA INCREASE | CH | | S086787 |
| [REDACTED] | | | |
| STARYY KRYM ORDNANCE DEPOT D01 NAV STGE POSS | UR | 450130N 0350820E | S087307 |
| STARYY KRYM ORDNANCE DEPOT D01 NAV STGE POSS | UR | 450130N 0350820E | |
| STRELOK ZALIV NAVAL MISSILE STORAGE 2 | UR | 425331N 1323327E | S087012 |
| [REDACTED] | | | |
| SUMBER SUMA MILITARY STORAGE DEPOT DX1 | MG | 462250N 1082215E | S087252 |
| SUNGLIN MTC CONSTRUCTION PROGRESS | CH | 281420N 1020149E | S086606 |
| [REDACTED] | | | |
| SVERDLOVSK OPTICAL EQUIPMENT PLANT 217 | UR | 564900N 0603900E | S086813 |
| TAGANROG AIRFIELD TAG A AERODYNAMIC VEH MODIF | UR | 471155N 0385055E | S087029 |
| TAKUSHAN NAVAL FACILITIES PUG | CH | 385700N 1215019E | S087138 |
| TAPOLCA AIRFIELD DUMMY FISHBED | HU | 465215N 0172435E | S087260 |
| TAPOLCA AIRFIELD DUMMY FISHBED | HU | 465215N 0172435E | |
| TARABULUS PORT FACILITIES ARMS DELIVERY SOV | LY | 325408N 0131127E | S086890 |
| TARABULUS PORT FACILITIES ARMS DELIVERY SOV | LY | 325408N 0131127E | |
| [REDACTED] | | | |
| TBILISI AIRFRAME PLANT 31 | UR | 413954N 0445259E | S087044 |
| TBILISI/SOGANLUG AIRFIELD | UR | 413857N 0445610E | |
| [REDACTED] | | | |
| TENGSHAHO SSM FIELD PSTN CSS-1/CSS-2 MODIFS | CH | 390911N 1220453E | S086905 |
| TOMAKOVKA RADIO RELAY STATION SEARCH | UR | 4749 N 03445 E | S086618 |
| TOMICHI MILITARY BKS AL1/HQ ARTY DIV FLD GUN | UR | 504622N 1281452E | S087134 |

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TOP SECRET CHESS RUFF

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| SUBJECT | COUN | COORD | ACCN No. |
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| TRANSPORTATION, CHINESE ROAD CONSTRUCTION | LA | | S086615 |
| TYURATAM MTC CONST ACT P2 RWY SPACE ASSOC U/C | UR | 460302N 0631351E | S086907 |
| TYURATAM MTC RANGEHEAD TRKG FACIL BOW + ARROW | UR | 454230N 0632020E | S086811 |
| TYURATAM MTC SPACE SITE B1 GUIDANCE FACILS | UR | 455950N 0633348E | S086800 |
| TYURATAM MTC SPACE SITE B1 LAUNCH PREPARATION | UR | 455950N 0633348E | S087287 |
| TYURATAM MTC SPACE SITE G1A/B SL-11 ERECTED | UR | 460454N 0625555E | S087126 |
| TYURATAM MTC SPACE SITE G3/4 SL-12/13 SLV | UR | 460423N 0625849E | S087289 |
| TYURATAM MTC TRACKING FACILITY 5 BOW + ARROW | UR | 515333N 0672113E | S086811 |
| ULAANBAATAR AMMUNITION DEPOT DA1 | MG | 475540N 1070315E | S087239 |
| ULAANBAATAR MOTOR PARK WEST | MG | 475430N 1064630E | S087304 |
| UZHUR ICBM RTP SS-18 SHIPPING CONTAINERS POSS | UR | 551557N 0894434E | S087257 |

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| VARFOLOMEYEVKA AIRFIELD SOUTH FISHBED/FOXBAT | UR | 441554N 1332508E | S087284 |
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| VASILYEVKA CIVIL DEFENSE HQ U/G SUSP | UR | 472624N 0351710E | S087230 |
| VERKHNYAYA SALDA ICBM COMPLEX HQ BUNKERED | UR | 580215N 0602250E | S086814 |
| VERKHNYAYA SALDA ICBM HQ RADCOM TRANSMITTER | UR | 575339N 0601106E | |
| VERKHNYAYA SALDA ICBM HQ RECEIVER BKR HARD | UR | 580426N 0602441E | |
| VERKHNYAYA SALDA MOBILE IRBM BASE 1 | UR | 580818N 0603213E | |
| VESELOYE AMMUNITION DEPOT DA1 | UR | 453252N 0341640E | S087308 |

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| VLADIVOSTOK NAVAL BASE + REPAIR YARD DIOMID | UR | 430530N 1315340E | S087187 |
| VLADIVOSTOK NAVAL BASE + REPAIR YARD DIOMID | UR | 430530N 1315340E | |
| VLADIVOSTOK NAVAL INFANTRY INSTALLATION 1 | UR | 430910N 1315830E | S087188 |

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| SUBJECT | COUN | COORD | ACCN NO. |
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| VLADIVOSTOK SUBMARINE BASE ULISA GUBA G CLASS | UR | 430449N 1315506E | S087285 |
| VORKUTA ESV TRACKING FACILITY BOW + ARROW | UR | 673330N 0640941E | S086811 |
| VORONEZH RADIO RELAY + TV CENTER | UR | 514025N 0391146E | S087374 |
| VOROVSKOLESSKAYA RADIO RELAY STATION | UR | 441750N 0422000E | S087534 |
| WENCHOU SHIPYARD + NAVAL FACILITY | CH | 280130N 1204006E | S087140 |
| WENCHOU SHIPYARD + NAVAL FACILITY | CH | 280130N 1204006E | |
| WUCHAI MTC CSS-X-4 SILO LAUNCH | CH | 384950N 1113620E | S087047 |
| WUCHAI MTC CSS-2 ACTIVITY | CH | 384950N 1113620E | S087261 |
| WUCHAI MTC SITE D PROPELLANT STORAGE FACILS | CH | 385052N 1113632E | S087020 |
| WUCHAI MTC SSM R+D TRAINING SITE A ELCT EQUIP | CH | 385002N 1113617E | S086789 |
| WUCHAI MTC SSM R+D TRAINING SITE B ELCT EQUIP | CH | 385241N 1113531E | |
| WUCHAI MTC SSM R+D TRNG SITE A CSS-2 ERECTED | CH | 385002N 1113617E | S087253 |
| WUCHAI MTC SSM R+D TRNG SITE A CSS-2 ERECTED | CH | 385002N 1113617E | S087124 |
| WUCHAI MTC SSM R+D TRNG SITE B CSS-X-4 ACT | CH | 385241N 1113531E | S087254 |
| WUCHAI MTC SSM R+D TRNG SITE B CSS-X-4 PREP | CH | 385241N 1113531E | S087259 |
| WUCHAI MTC SSM SUPPORT FAC CHECKOUT/STGE FAC | CH | 384828N 1113658E | S087023 |

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|---|----|------------------|---------|
| YAROSLAVSKAYA GRUPPA POL STORAGE FACILITY | UR | 561700N 0424639E | S087433 |
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|---|----|------------------|---------|
| YELSK MRBM REGIMENTAL COMMAND POST BKR SEARCH | UR | 514654N 0291729E | S086814 |
| YELSK MRBM REGIMENTAL HQ RADCOM RCVR BKR HARD | UR | 514256N 0291224E | |
| YURYA ICBM COMPLEX COMMAND POST BUNKERED | UR | 590329N 0491658E | |
| YURYA ICBM HEADQUARTERS RADCOM RECEIVER STA | UR | 590615N 0491800E | |
| YURYA ICBM HEADQUARTERS RDO RELAY/RADCOM XMTR | UR | 584400N 0493130E | |
| YURYA MOBILE IRBM BASE 1 | UR | 590611N 0494531E | |

TOP SECRET CHESS RUFF

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| SUBJECT | COUN | COORD | ACCN NO. |
|--|------|------------------|----------|
| YUZHNO SAKHALINSK ARMY BKS AL9/TRNG AREA TA1 | UR | 465600N 1423700E | S087182 |
| YUZHNO SAKHALINSK ARMY BKS AL9/TRNG AREA TA1 | UR | 465600N 1423700E | |
| YUZHNO SAKHALINSK MILITARY BKS AL1 + HQ MRD | UR | 465904N 1424516E | S087183 |
| [REDACTED] | | | |
| ZELENOGORSK AW RADAR FACILITY | UR | 601430N 0294420E | S086801 |
| ZHITKOVICHI RADIO RELAY STATION PROB | UR | 521315N 0275052E | S087373 |
| ZHITOMIR AIRFIELD | UR | 501635N 0284344E | S087456 |

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PART II

Listing of Reports by Originator

TOP SECRET CHESS RUFF

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| ORIG | TYPE | REPT NO. | DATE | CONTROL NO. | SEC CLASS | ACCN NO. |
|------|------|---------------|-----------|-------------|-----------|----------|
| AF | BIIR | RFB22-5001-79 | JAN 79 | | 08 | S086593 |
| AF | ENDR | B1003-79 | 15 FEB 79 | | 07 | S086595 |
| AF | ENDR | C1004-79 | 22 FEB 79 | | 07 | S086594 |
| AF | ENDR | C3001-79 | 29 JAN 79 | | 05 | S086597 |
| AF | PAR | 1-79 | 05 FEB 79 | | 07 | S086596 |
| AF | PAR | 501-79 | 15 JAN 79 | | 13 | S086795 |
| AF | PAR | 504-79 | 05 FEB 79 | | 13 | S086802 |
| AF | PAR | 505-79 | 25 JAN 79 | | 13 | S086788 |
| AF | PAR | 506-79 | 30 JAN 79 | | 13 | S086790 |
| AF | PAR | 507-79 | 18 JAN 79 | | 13 | S086801 |
| AF | PAR | 509-79 | 22 FEB 79 | | 13 | S086804 |
| AF | PAR | 510-79 | 30 JAN 79 | | 13 | S086799 |
| AF | PAR | 512-79 | 27 FEB 79 | | 13 | S086811 |
| AF | PAR | 513-79 | 25 JAN 79 | | 13 | S086798 |
| AF | PAR | 514-79 | 08 FEB 79 | | 13 | S086789 |
| AF | PAR | 515-79 | 26 JAN 79 | | 13 | S086797 |
| AF | PAR | 516-79 | 22 FEB 79 | | 13 | S086809 |
| AF | PAR | 517-79 | 26 FEB 79 | | 13 | S086813 |
| AF | PAR | 518-79 | 13 FEB 79 | | 13 | S086803 |
| AF | PAR | 519-79 | 02 FEB 79 | | 13 | S086800 |
| AF | PAR | 520-79 | 20 FEB 79 | | 13 | S086805 |
| AF | PAR | 521-79 | 08 MAR 79 | | 13 | S086808 |

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TOP SECRET CHESS RUFF

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| ORIG | TYPE | REPT NO. | DATE | CONTROL NO. | SEC CLASS | ACCN NO. |
|------|------|---------------|-----------|-------------|-----------|----------|
| AF | PAR | 522-79 | 07 MAR 79 | | 13 | S086810 |
| AF | PAR | 523-79 | 01 FEB 79 | | 13 | S086787 |
| AF | PAR | 524-79 | 20 FEB 79 | | 13 | S086814 |
| AF | PAR | 526-79 | 27 FEB 79 | | 13 | S086815 |
| AF | PAR | 533-79 | 08 MAR 79 | | 13 | S086812 |
| AF | PAR | 719-78 | 22 JAN 79 | | 13 | S086792 |
| AF | PAR | 721-78 | 17 JAN 79 | | 13 | S086794 |
| AF | PAR | 736-78 | 31 JAN 79 | | 13 | S086791 |
| AF | PAR | 738-78 | 12 DEC 78 | | 13 | S086796 |
| AF | PAR | 743-78 | 02 FEB 79 | | 13 | S086806 |
| AF | PAR | 744-78 | 15 FEB 79 | | 13 | S086807 |
| ARMY | BIIR | RAC24-0006-78 | NOV 78 | | 14 | S086485 |
| ARMY | BIIR | RAC24-5011-78 | DEC 78 | | 05 | S087147 |

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|-----|------|-------------|-----------|--|----|---------|
| CIA | INFR | IS10001K-79 | 16 MAR 79 | | 13 | S087057 |
| CIA | INFR | IS10040J-79 | 07 MAR 79 | | 25 | S087064 |
| CIA | INFR | IS10047K-79 | 09 MAR 79 | | 13 | S087066 |
| CIA | INFR | IS10056K-79 | 26 MAR 79 | | 13 | S087068 |

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TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

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| ORIG | TYPE | REPT NO. | DATE | CONTROL NO. | SEC CLASS | ACCN NO. |
|------|------|--------------|-----------|-------------|-----------|----------|
| CIA | INFR | IS10058K-79 | 28 MAR 79 | | 13 | S087070 |
| CIA | INFR | IS10067J-79 | 11 APR 79 | | 25 | S087067 |
| CIA | INFR | IS10068K-79 | 12 APR 79 | | 13 | S087071 |
| CIA | INFR | IS10069K-79 | 18 APR 79 | | 13 | S087056 |
| CIA | INFR | IS10070J-79 | 17 APR 79 | | 24 | S087065 |
| CIA | INFR | IS10075J-79 | 20 APR 79 | | 24 | S087069 |
| CIA | IRP | IS10049K-79 | APR 79 | | 14 | S087146 |
| CIA | IRP | IS10253K-78 | NOV 78 | | 14 | S087051 |
| DIA | IIM | 5B1-72086-79 | 10 MAY 79 | | 14 | S087220 |
| DIA | IIM | 5B1-72156-79 | 14 MAY 79 | | 14 | S087219 |
| DIA | IIM | 5B1-72169-79 | 14 MAY 79 | | 14 | S087224 |
| DIA | IIM | 5B1-72170-79 | 17 MAY 79 | | 14 | S087242 |
| DIA | IIM | 5B1-72171-79 | 17 MAY 79 | | 14 | S087241 |
| DIA | IIM | 5B1-72172-79 | 16 MAY 79 | | 14 | S087237 |
| DIA | IIM | 5B1-72173-79 | 16 MAY 79 | | 14 | S087235 |
| DIA | IIM | 5B1-72174-79 | 16 MAY 79 | | 14 | S087236 |
| DIA | IIM | 5B1-72176-79 | 14 MAY 79 | | 14 | S087226 |
| DIA | IIM | 5B1-72177-79 | 11 MAY 79 | | 14 | S087222 |
| DIA | IIM | 5B1-72178-79 | 14 MAY 79 | | 14 | S087225 |
| DIA | IIM | 5B1-72189-79 | 14 MAY 79 | | 14 | S087221 |
| DIA | IIM | 5B1-72195-79 | 14 MAY 79 | | 14 | S087223 |
| DIA | IIM | 5B1-72196-79 | 14 MAY 79 | | 14 | S087229 |

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TOP SECRET CHESS RUFF

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| ORIG | TYPE | REPT NO. | DATE | CONTROL NO. | SEC CLASS | ACCN NO. |
|------|------|--------------|-----------|-------------|-----------|----------|
| DIA | IIM | 5B1-72199-79 | 14 MAY 79 | | 14 | S087228 |
| DIA | IIM | 5B1-72206-79 | 15 MAY 79 | | 14 | S087233 |
| DIA | IIM | 5B1-72207-79 | 21 MAY 79 | | 14 | S087249 |
| DIA | IIM | 5B1-72208-79 | 16 MAY 79 | | 14 | S087239 |
| DIA | IIM | 5B1-72221-79 | 21 MAY 79 | | 14 | S087248 |
| DIA | IIM | 5B1-72222-79 | 17 MAY 79 | | 14 | S087238 |
| DIA | IIM | 5B1-72248-79 | 15 MAY 79 | | 14 | S087244 |
| DIA | IIM | 5B1-72249-79 | 11 MAY 79 | | 14 | S087230 |
| DIA | IIM | 5B1-72262-79 | 16 MAY 79 | | 14 | S087234 |
| DIA | IIM | 5B1-72264-79 | 14 MAY 79 | | 14 | S087227 |
| DIA | IIM | 5B1-72265-79 | 15 MAY 79 | | 14 | S087231 |
| DIA | IIM | 5B1-72267-79 | 21 MAY 79 | | 14 | S087250 |
| DIA | IIM | 5B1-72289-79 | 21 MAY 79 | | 14 | S087247 |
| DIA | IIM | 5B1-72290-79 | 21 MAY 79 | | 14 | S087252 |
| DIA | IIM | 5B1-72292-79 | 17 MAY 79 | | 14 | S087246 |
| DIA | IIM | 5B1-72329-79 | 17 MAY 79 | | 14 | S087243 |
| DIA | IIM | 5B1-72337-79 | 17 MAY 79 | | 14 | S087240 |
| DIA | IIM | 5B1-72338-79 | 17 MAY 79 | | 14 | S087245 |
| DIA | IIM | 5B1-72352-79 | 22 MAY 79 | | 14 | S087308 |
| DIA | IIM | 5B1-72371-79 | 21 MAY 79 | | 14 | S087251 |
| DIA | IIM | 5B1-72383-79 | 22 MAY 79 | | 14 | S087307 |

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| ORIG | TYPE | REPT NO. | DATE | CONTROL NO. | SEC CLASS | ACCN NO. |
|------|------|--------------|-----------|-------------|-----------|----------|
| DIA | IIM | 5B1-72384-79 | 01 JUN 79 | | 14 | S087396 |
| DIA | IIM | 5B1-72385-79 | 23 MAY 79 | | 14 | S087306 |
| DIA | IIM | 5B1-72398-79 | 24 MAY 79 | | 14 | S087304 |
| DIA | IIM | 5B1-72406-79 | 29 MAY 79 | | 14 | S087301 |
| DIA | IIM | 5B1-72408-79 | 30 MAY 79 | | 14 | S087299 |
| DIA | IIM | 5B1-72413-79 | 24 MAY 79 | | 14 | S087305 |
| DIA | IIM | 5B1-72425-79 | 25 MAY 79 | | 14 | S087303 |
| DIA | IIM | 5B1-72426-79 | 25 MAY 79 | | 14 | S087302 |
| DIA | IIM | 5B1-72428-79 | 30 MAY 79 | | 14 | S087298 |
| DIA | IIM | 5B1-72432-79 | 30 MAY 79 | | 14 | S087300 |
| DIA | IIM | 5B1-72439-79 | 01 JUN 79 | | 14 | S087397 |
| DIA | IIM | 5B1-72440-79 | 11 JUN 79 | | 14 | S087439 |
| DIA | IIM | 5B1-72465-79 | 04 JUN 79 | | 14 | S087398 |
| DIA | IIM | 5B1-72470-79 | 11 JUN 79 | | 14 | S087437 |
| DIA | IIM | 5B1-72471-79 | 08 JUN 79 | | 14 | S087433 |
| DIA | IIM | 5B1-72478-79 | 07 JUN 79 | | 14 | S087432 |
| DIA | IIM | 5B1-72483-79 | 11 JUN 79 | | 14 | S087438 |
| DIA | IIM | 5B1-72486-79 | 08 JUN 79 | | 14 | S087434 |
| DIA | IIM | 5B1-72493-79 | 11 JUN 79 | | 14 | S087435 |
| DIA | IIM | 5B1-72501-79 | 12 JUN 79 | | 14 | S087460 |
| DIA | IIM | 5B1-72503-79 | 11 JUN 79 | | 14 | S087436 |
| DIA | IIM | 5B1-72524-79 | 13 JUN 79 | | 14 | S087459 |

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| ORIG | TYPE | REPT NO. | DATE | CONTROL NO. | SEC CLASS | ACCN NO. |
|------|------|---------------|-----------|-------------|-----------|----------|
| DIA | IIM | 5B3-72266-79 | 15 MAY 79 | | 13 | S087232 |
| DIA | IIM | 5B3-72484-79 | 13 JUN 79 | | 14 | S087455 |
| DIA | IIM | 5B3-72519-79 | 13 JUN 79 | | 13 | S087456 |
| DIA | IIM | 5B3-72520-79 | 13 JUN 79 | | 13 | S087457 |
| DIA | IIM | 5B3-72525-79 | 13 JUN 79 | | 13 | S087458 |
| DIA | NBRG | NDA06-5015-78 | 18 MAY 79 | | 05 | S087197 |
| DIA | NBRG | NDA06-5016-78 | 18 MAY 79 | | 05 | S087198 |
| DIA | NBRG | NDA06-5017-78 | 18 MAY 79 | | 05 | S087199 |
| DIA | NBRG | NDA06-5018-78 | 16 MAY 79 | | 05 | S087186 |
| DIA | NBRG | NDA06-5019-78 | 16 MAY 79 | | 05 | S087187 |
| DIA | NBRG | NDA06-5020-78 | 16 MAY 79 | | 05 | S087188 |
| DIA | NBRG | NDA06-5021-78 | 16 MAY 79 | | 05 | S087189 |
| DIA | NBRG | NDA06-5022-78 | 16 MAY 79 | | 05 | S087190 |
| DIA | NBRG | NDA06-5023-78 | 16 MAY 79 | | 05 | S087191 |
| DIA | NBRG | NDA06-5027-78 | 27 APR 79 | | 05 | S087137 |
| DIA | NBRG | NDA06-5028-78 | 27 APR 79 | | 05 | S087138 |
| DIA | NBRG | NDA06-5029-78 | 27 APR 79 | | 05 | S087139 |
| DIA | NBRG | NDA06-5030-78 | 27 APR 79 | | 05 | S087140 |
| DIA | NBRG | NDA06-5031-78 | 27 APR 79 | | 05 | S087141 |
| DIA | NBRG | NDA06-5032-78 | 27 APR 79 | | 05 | S087142 |
| DIA | NBRG | NDA06-5035-78 | 18 APR 79 | | 05 | S087010 |

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| ORIG | TYPE | REPT NO. | DATE | CONTROL NO. | SEC CLASS | ACCN NO. |
|------|------|---------------|-----------|-------------|-----------|----------|
| DIA | NBRG | NDA06-5036-78 | 18 APR 79 | | 05 | S087011 |
| DIA | NBRG | NDA06-5037-78 | 18 APR 79 | | 05 | S087012 |
| DIA | NBRG | NDA06-5038-78 | 18 APR 79 | | 05 | S087013 |
| DIA | NBRG | NDA06-5039-78 | 18 APR 79 | | 05 | S087014 |
| DIA | NBRG | NDA06-5040-78 | 18 APR 79 | | 05 | S087015 |
| DIA | NBRG | NDA06-5048-78 | 11 MAY 79 | | 05 | S087192 |
| DIA | NBRG | NDA06-5049-78 | 11 MAY 79 | | 05 | S087193 |
| DIA | NBRG | NDA06-5050-78 | 11 MAY 79 | | 05 | S087194 |
| DIA | NBRG | NDA06-5051-78 | 11 MAY 79 | | 05 | S087195 |
| DIA | NBRG | NDA06-5052-78 | 11 MAY 79 | | 05 | S087196 |
| DIA | NBRG | NDA07-5233-78 | 11 MAY 79 | | 05 | S087178 |
| DIA | NBRG | NDA07-5234-78 | 11 MAY 79 | | 05 | S087179 |
| DIA | NBRG | NDA07-5235-78 | 11 MAY 79 | | 05 | S087180 |
| DIA | NBRG | NDA07-5236-78 | 11 MAY 79 | | 05 | S087181 |
| DIA | NBRG | NDA07-5237-78 | 09 MAY 79 | | 05 | S087176 |
| DIA | NBRG | NDA07-5238-78 | 11 MAY 79 | | 05 | S087182 |
| DIA | NBRG | NDA07-5239-78 | 11 MAY 79 | | 05 | S087183 |
| DIA | NBRG | NDA07-5240-78 | 09 MAY 79 | | 05 | S087177 |
| DIA | REPT | IAR001-79 | MAR 79 | | 13 | S086620 |

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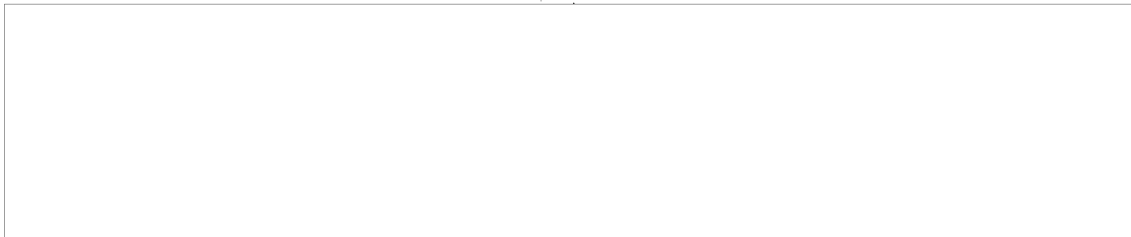
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| ORIG | TYPE | REPT NO. | DATE | CONTROL NO. | SEC CLASS | ACCN NO. |
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|------|------|---------------|--------|--|----|---------|
| NAVY | BIIR | RNG23-5002-78 | DEC 78 | | 04 | S087041 |
| NPIC | BIIR | RCA09-0009-79 | APR 79 | | 25 | S087044 |
| NPIC | BIIR | RCA14-0001-79 | APR 79 | | 25 | S087042 |
| NPIC | BIIR | RCA15-0001-79 | APR 79 | | 25 | S087116 |
| NPIC | BIIR | RCA21-0001-79 | APR 79 | | 25 | S087043 |
| NPIC | BRAD | | MAR 79 | | 14 | S086890 |
| NPIC | BRAD | | MAR 79 | | 14 | S086894 |
| NPIC | BRAD | | MAR 79 | | 14 | S086895 |
| NPIC | BRAD | | MAR 79 | | 14 | S086896 |
| NPIC | BRAD | | MAR 79 | | 14 | S086897 |
| NPIC | BRAD | | MAR 79 | | 14 | S086898 |
| NPIC | BRAD | | MAR 79 | | 14 | S086899 |
| NPIC | BRAD | | MAR 79 | | 14 | S086900 |
| NPIC | BRAD | | MAR 79 | | 14 | S086901 |
| NPIC | BRAD | | MAR 79 | | 14 | S086902 |

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| ORIG | TYPE | REPT NO. | DATE | CONTROL NO. | SEC CLASS | ACCN NO. |
|------|------|----------|--------|-------------|-----------|----------|
| NPIC | BRAD | | MAR 79 | | 14 | S086903 |
| NPIC | BRAD | | APR 79 | | 14 | S086904 |
| NPIC | BRAD | | APR 79 | | 14 | S086905 |
| NPIC | BRAD | | APR 79 | | 14 | S086906 |
| NPIC | BRAD | | APR 79 | | 14 | S086907 |
| NPIC | BRAD | | APR 79 | | 14 | S086908 |
| NPIC | BRAD | | APR 79 | | 14 | S086909 |
| NPIC | BRAD | | APR 79 | | 14 | S086910 |
| NPIC | BRAD | | APR 79 | | 14 | S087260 |
| NPIC | BRAD | | APR 79 | | 14 | S087123 |
| NPIC | BRAD | | APR 79 | | 14 | S087124 |
| NPIC | BRAD | | APR 79 | | 14 | S087125 |
| NPIC | BRAD | | APR 79 | | 14 | S087126 |
| NPIC | BRAD | | APR 79 | | 14 | S087127 |
| NPIC | BRAD | | APR 79 | | 14 | S087129 |
| NPIC | BRAD | | APR 79 | | 14 | S087131 |
| NPIC | BRAD | | APR 79 | | 14 | S087132 |
| NPIC | BRAD | | APR 79 | | 14 | S087133 |
| NPIC | BRAD | | APR 79 | | 14 | S087134 |
| NPIC | BRAD | | APR 79 | | 14 | S087136 |
| NPIC | BRAD | | APR 79 | | 14 | S087261 |
| NPIC | BRAD | | MAY 79 | | 14 | S087262 |

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TOP SECRET CHESS RUFF

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| ORIG | TYPE | REPT NO. | DATE | CONTROL NO. | SEC CLASS | ACCN NO. |
|------|------|----------|--------|-------------|-----------|----------|
| NPIC | BRAD | | MAY 79 | | 14 | S087253 |
| NPIC | BRAD | | MAY 79 | | 14 | S087254 |
| NPIC | BRAD | | MAY 79 | | 14 | S087255 |
| NPIC | BRAD | | MAY 79 | | 14 | S087256 |
| NPIC | BRAD | | MAY 79 | | 14 | S087257 |
| NPIC | BRAD | | MAY 79 | | 14 | S087258 |
| NPIC | BRAD | | MAY 79 | | 14 | S087259 |
| NPIC | BRAD | | MAY 79 | | 14 | S087287 |
| NPIC | BRAD | | MAY 79 | | 14 | S087296 |
| NPIC | BRAD | | MAY 79 | | 14 | S087290 |
| NPIC | BRAD | | MAY 79 | | 14 | S087286 |
| NPIC | BRAD | | MAY 79 | | 14 | S087291 |
| NPIC | BRAD | | MAY 79 | | 14 | S087288 |
| NPIC | BRAD | | MAY 79 | | 14 | S087293 |
| NPIC | BRAD | | MAY 79 | | 14 | S087297 |
| NPIC | BRAD | | MAY 79 | | 14 | S087295 |
| NPIC | BRAD | | MAY 79 | | 14 | S087294 |
| NPIC | BRAD | | MAY 79 | | 14 | S087289 |
| NPIC | BRAD | | MAY 79 | | 14 | S087292 |
| NPIC | BRAD | | MAY 79 | | 14 | S087285 |
| NPIC | BRAD | | MAY 79 | | 14 | S087284 |

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| ORIG | TYPE | REPT NO. | DATE | CONTROL NO. | SEC CLASS | ACCN NO. |
|------|------|-----------|-----------|-------------|-----------|----------|
| NPIC | IIR | IIR013-79 | 13 APR 79 | | 14 | S087045 |
| NPIC | MEMO | | 29 MAY 79 | | 14 | S087373 |
| NPIC | MEMO | | 30 MAY 79 | | 14 | S087374 |
| NPIC | MEMO | | 30 MAY 79 | | 14 | S087375 |
| NPIC | MEMO | | 07 JUN 79 | | 14 | S087418 |
| NPIC | MEMO | | 07 JUN 79 | | 14 | S087419 |
| NPIC | MEMO | | 08 JUN 79 | | 14 | S087420 |
| NPIC | MEMO | | 13 JUN 79 | | 14 | S087461 |
| NPIC | MEMO | | 13 JUN 79 | | 14 | S087462 |
| NPIC | MEMO | | 18 JUN 79 | | 14 | S086617 |
| NPIC | MEMO | | 19 JUN 79 | | 14 | S086618 |
| NPIC | MEMO | | 19 JUN 79 | | 14 | S086619 |
| NPIC | MEMO | | 19 JUN 79 | | 14 | S087534 |
| NPIC | PIR | PIR017-79 | APR 79 | | 14 | S087122 |
| NPIC | PIR | PIR020-79 | APR 79 | | 25 | S087047 |
| NPIC | PIR | PIR024-79 | APR 79 | | 25 | S087150 |
| NPIC | PIR | PIR025-79 | APR 79 | | 14 | S087115 |
| NPIC | PIR | PIR027-79 | APR 79 | | 25 | S087114 |
| NPIC | REPT | STAR02-79 | 01 FEB 79 | | 14 | S087016 |
| NPIC | REPT | | NOV 78 | | 13 | S086328 |
| NPIC | SR | SR019-78 | APR 79 | | 14 | S086666 |
| NPIC | SR | SR020-79 | APR 79 | | 25 | S087118 |

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| ORIG | TYPE | REPT NO. | DATE | CONTROL NO. | SEC CLASS | ACCN NO. |
|------|------|----------|--------|-------------|-----------|----------|
| NPIC | SR | SR025-79 | MAY 79 | | 14 | S087149 |

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TOP SECRET CHESS RUFF

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PART III

Listing of Reports by General Subject

TOP SECRET CHESS RUFF

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| EPF/CAT | SUBJECT | COUN | COORD | ACCN NO. |
|---------|---|------|------------------|----------|
| 05 | AIRCRAFT, BACKFIRE B WEAPONS RACK | UR | | S086597 |
| 05 | AIRCRAFT, COOT IL-22 AIRBORNE COMD POST MODIF | UR | | S087067 |
| 05 | AIRCRAFT, FLOGGER B/G MIG-23 COMPARISON | UR | | S086596 |
| 05 | AIRCRAFT, FLOGGER C MIG-23 | CU | | S087068 |
| 05 | AIRCRAFT, FLOGGER D/FITTER C GUN POD | UR | | S086595 |
| 05 | AIRCRAFT, FLOGGER F MIG-23 | CU | | S087068 |
| 05 | AIRCRAFT, FLOGGER G/B MIG-23 COMPARISON | UR | | S086596 |
| 05 | AIRCRAFT, FORGER B YAK-36 | UR | | S086593 |
| 05 | AIRCRAFT, HIND D MI-24 MODIFIED | UR | | S087036 |
| 05 | AIRCRAFT, R+D/PROD FACILS ROOF AREA INCREASE | UR | | S086803 |
| 05 | AIRCRAFT, R+D/PROD FACILS ROOF AREA INCREASE | CH | | S086787 |
| 05 | AIRFIELDS, AIR ACTIVITY 1 JAN-16 FEB 1979 | CH | | S087115 |
| 05 | AIRFIELDS, HANGARETTES | UR | | S087269 |
| 05 | BACAU AIRFRAME PLANT | RO | 463120N 0265510E | S087122 |
| 05 | BELOGORSK AIR DEPOT WEST GSE | UR | 505429N 1282712E | S087459 |
| 05 | BERDYANSK AIRFIELD HELICOPTER ASSAULT REGT | UR | 464903N 0364532E | S087262 |
| 05 | BOBROVICH I AIRFIELD AIRCRAFT SHELTERS | UR | 521649N 0292126E | S087458 |
| 05 | CHENGTU AIRFRAME PLANT 132 FISHBED F-7 COUNTS | CH | 304224N 1035744E | S087026 |
| 05 | DA NANG AIRFIELD BEAR D TU-95 DEPLOYMENT | VM | 160233N 1081215E | S086910 |
| 05 | ENTEbbe AIRFIELD COMBAT DAMAGE | UG | 000230N 0322617E | S087127 |

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| EPF/CAT | SUBJECT | COUN | COORD | ACCN NO. |
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| 05 | IRKUTSK AIRFRAME PLANT 39 CHECKOUT HANGAR NEW | UR | 522131N 1041216E | S087022 |
| 05 | KUZNETSOVO AIRCRAFT/MISSILE ENGINE TEST FAC | UR | 553226N 0382941E | S087114 |
| 05 | MINSK/MACHULISHCHE AIRFIELD BLINDER/AS-4 DPL | UR | 534626N 0273442E | S087294 |
| 05 | MOSKVA/SHCHELKOVO AIRFIELD TASM NEW IDENT | UR | 555248N 0380347E | S087065 |
| 05 | NAKASONGOLA AIRFIELD BLINDER TU-22 IDENT | UG | 012419N 0322833E | S086895 |
| 05 | NANCHANG AIRFRAME + MISSILE PLANT 320 NAN B | CH | 283752N 1155526E | S086610 |
| 05 | PINGPA AIRCRAFT PROPULSION SYSTEM R+D CENTER | CH | 262215N 1061602E | S086788 |
| 05 | PRIMORSKIY HELIPORT HIND MI-24 IDENTIFICATION | UR | 450750N 0353130E | S087028 |
| 05 | RAMENSKOYE FLIGHT TEST CTR BACKFIRE B MODIF | UR | 553418N 0380923E | S087019 |
| 05 | RAMENSKOYE FLIGHT TEST CTR CHARGER DISMANTLED | UR | 553418N 0380923E | S087021 |

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| 05 | ROSTOV AIRFRAME PLANT 168 HIND D MI-24 MODIF | UR | 471516N 0394318E | S087036 |
| 05 | SHENYANG AIRFRAME PLANT 112 FARMER F F-9 PROD | CH | 415208N 1232600E | S087027 |
| 05 | SHENYANG AIRFRAME PLANT 112 FARMER MODIFIED | CH | 415208N 1232600E | S087024 |
| 05 | SMOLENSK AIRFIELD SOUTH | UR | 544441N 0320405E | S087457 |
| 05 | TAGANROG AIRFIELD TAG A AERODYNAMIC VEH MODIF | UR | 471155N 0385055E | S087029 |
| 05 | TAPOLCA AIRFIELD DUMMY FISHBED | HU | 465215N 0172435E | S087260 |
| 05 | TBILISI AIRFRAME PLANT 31 | UR | 413954N 0445259E | S087044 |
| 05 | TBILISI/SOGANLUG AIRFIELD | UR | 413857N 0445610E | |
| 05 | VARFOLOMEYEVKA AIRFIELD SOUTH FISHBED/FOXBAT | UR | 441554N 1332508E | S087284 |
| 05 | ZHITOMIR AIRFIELD | UR | 501635N 0284344E | S087456 |

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TOP SECRET CHESS RUFF

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| EPF/CAT | SUBJECT | COUN | COORD | ACCN NO. |
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| 10 | KAPUSTIN YAR MTC SS-20 TRNG SS-16/20 EQUIP CF | UR | 484640N 0460310E | S087292 |
| 10 | SEVERODVINSK SHIPYARD A SSN PRESSURE HULL CF | UR | 643438N 0394832E | S086621 |

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| 10 | TAPOLCA AIRFIELD DUMMY FISHBED | HU | 465215N 0172435E | S087260 |
| 10 | VASILYEVKA CIVIL DEFENSE HQ U/G SUSP | UR | 472624N 0351710E | S087230 |

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| EPF/CAT | SUBJECT | COUN | COORD | ACCN NO. |
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| 25 | ALMA ATA COMMAND CONTROL RADCOM FACIL BKR U/I | UR | 430910N 0762330E | S087396 |
| 25 | ALMA ATA COMMAND CONTROL RADCOM FACIL BKR U/I | UR | 431211N 0763603E | S087298 |
| 25 | AMDERMA AIR DEFENSE HQ TALL KING EW RADAR FAC | UR | 694500N 0614400E | S086797 |
| 25 | ANTOPOL RADIO RELAY STATION | UR | 521235N 0244610E | S087373 |
| 25 | BELOOMUT SPACE TRKG FACIL A/C TEST LANE ASSOC | UR | 545700N 0392110E | S087375 |
| 25 | BREST RADIO RELAY/TV/FM BDCSTG CTR ROKINITSA | UR | 520812N 0235857E | S087373 |
| 25 | DARASUN RADIO RELAY STATION | UR | 514100N 1135000E | S087461 |
| 25 | DNEPROPETROVSK TV + FM BROADCASTING CENTER | UR | 482655N 0350120E | S087419 |
| 25 | DROVYANAYA ICBM HQ RADCOM RECEIVER BKR HARD | UR | 513141N 1130356E | S086814 |
| 25 | DROVYANAYA ICBM HQ RADCOM XMTR STATION BKR | UR | 513741N 1133859E | |
| 25 | DROVYANAYA MOBILE IRBM BASE 1 COMD CNTRL FAC | UR | 512718N 1130402E | |
| 25 | DROVYANAYA MOBILE IRBM BASE 2 COMD CNTRL FAC | UR | 512021N 1130114E | |
| 25 | DROVYANAYA MOBILE IRBM BASE 3 COMD CNTRL FAC | UR | 512558N 1130305E | |
| 25 | ELECTRONICS, BMP M-1975 BATTLEFIELD RADAR | UR | | S087147 |
| 25 | ELECTRONICS, BOW + ARROW INTERFEROMETERS | UR | | S086811 |
| 25 | ELECTRONICS, CANDID/CARELESS SAT COMMO FACILS | UR | | S087455 |
| 25 | ELECTRONICS, CANDID/CARELESS SAT COMMO FACILS | UR | | |
| 25 | ELECTRONICS, COMMAND CNTRL COMMO SS-20 ASSOC | UR | | S086814 |
| 25 | ELECTRONICS, DOME ANTS ICBM ASSOC BLDGS HARD | UR | | S087150 |
| 25 | ELECTRONICS, FACILITIES A/C TEST LANE ASSOC | UR | | S087375 |
| 25 | ELECTRONICS, KY-EL-6 ANTENNA SS-16/20 ASSOC | UR | | S086666 |
| 25 | ELECTRONICS, RAMONA M MOBILE ELINT SYSTEM | CZ | | S087118 |
| 25 | ELECTRONICS, R+D FACILS ROOF AREA INCREASE | UR | | S086803 |
| 25 | ELECTRONICS, SUUJI E RADAR | CH | | S086812 |

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| EPF/CAT | SUBJECT | COUN | COORD | ACCN NO. |
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| 25 | ELECTRONICS, USAREUR BBV4090 GAZ-66 RI/DF SYS | UR | | S086485 |
| 25 | ELECTRONICS, USAREUR BBV4090 GAZ-66 RI/DF SYS | UR | | |
| 25 | GLADKAYA ICBM COMPLEX CP BKR COMD CNTRL FACS | UR | 561419N 0921918E | S086814 |
| 25 | GLADKAYA ICBM HQ RADCOM RCVR STA COMD CONTROL | UR | 561544N 0921645E | |
| 25 | GLADKAYA ICBM HQ RADCOM XMTR STA COMD CONTROL | UR | 560927N 0930036E | |
| 25 | GOMEL TV CENTER | UR | 522602N 0310043E | S087373 |
| 25 | GORBATOV RADIO RELAY STATION | UR | 560620N 0430330E | S086619 |
| 25 | IVANOVO RADIO RELAY STATION | UR | 520730N 0253338E | S087373 |
| 25 | KARSHI AIRFIELD SOUTH TWIN EAR ANTENNA SEARCH | UR | 384822N 0654615E | S087420 |
| 25 | KARSHI ORDNANCE DEPOT D01 TWIN EAR ANT SEARCH | UR | 384927N 0654545E | |
| 25 | KLINTSY TV RELAY STATION | UR | 524435N 0321435E | S087373 |
| 25 | KOBRIN RADIO RELAY STATION | UR | 521705N 0242900E | |
| 25 | KONKOVICHI MOBILE IRBM BASE COMMAND CNTRL FAC | UR | 521040N 0283445E | S086814 |
| 25 | KONKOVICHI MRBM REGIMENTAL COMMAND POST BKR | UR | 521036N 0283441E | |
| 25 | KONKOVICHI MRBM REGIMENTAL HQ RECEIVER BKR | UR | 521049N 0283613E | |
| 25 | KORSUN SHEVCHENKOVSKIY RADIO RELAY STATION | UR | 492410N 0311600E | S087418 |
| 25 | KOVEL RADIO RELAY + TV RELAY STATION | UR | 511200N 0244010E | S087373 |
| 25 | KOZHANOVICHI MOBILE IRBM BASE COMD CNTRL FAC | UR | 521127N 0274843E | S086814 |
| 25 | KOZHANOVICHI MRBM REGIMENTAL HQ RADCOM RCVR | UR | 521100N 0274800E | |
| 25 | KOZHANOVICHI MRBM REGIMENTAL HQ RADCOM XMTR | UR | 521602N 0280521E | |
| 25 | LIUCHINGKOU IRBM RADCOM STATION NORTH BKR | CH | 3808 N 10006 E | S086805 |
| 25 | LIUCHINGKOU SSM COMPLEX COMMAND POST BKR FAC | CH | 380815N 1001020E | |
| 25 | LVOV ELECTRONICS DEPOT NE | UR | 495140N 0240440E | S087245 |
| 25 | LYSKOVO RADIO RELAY STATION WEST | UR | 560100N 0444930E | S087462 |
| 25 | MAKAT FAD-741 EMITTER BIG BAR RADAR DESTROYED | UR | 480319N 0534334E | S086903 |
| 25 | MOZYR MOBILE IRBM BASE + TRNG FAC COMD CNTRL | UR | 520210N 0291108E | S086814 |
| 25 | MOZYR MRBM DIVISION COMMAND POST BUNKERED | UR | 520428N 0290641E | |
| 25 | MOZYR MRBM DIVISION HQ RADCOM RCVR BKR HARD | UR | 520424N 0290645E | |

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| EPF/CAT | SUBJECT | COUN | COORD | ACCN NO. |
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| 25 | MOZYR MRBM DIVISION HQ RADCOM TRANSMITTER STA | UR | 520542N 0291658E | |
| 25 | NARYAN MAR AIRFIELD AD HQ TALL KING RADAR FAC | UR | 673945N 0530900E | S086797 |
| 25 | NOVOSIBIRSK ICBM COMPLEX COMMAND POST BKR | UR | 550918N 0825700E | S086814 |
| 25 | NOVOSIBIRSK ICBM HQ RADCOM RECEIVER BKR HARD | UR | 551621N 0825853E | |
| 25 | NOVOSIBIRSK ICBM HQ RADCOM TRANSMITTER STA | UR | 550944N 0825615E | |
| 25 | NOVOSIBIRSK MOBILE IRBM BASE 1 COMD CNTRL FAC | UR | 551904N 0831001E | |
| 25 | NOVOSIBIRSK MOBILE IRBM BASE 2 COMMAND CNTRL | UR | 552215N 0831401E | |
| 25 | PAROKHONSK RADIO RELAY STATION | UR | 521330N 0262755E | S087373 |
| 25 | PINSK RADIO RELAY STATION | UR | 521045N 0260330E | |
| 25 | PLESETSK MTC GUIDANCE RELATED FACILITIES | UR | 625746N 0402346E | S086802 |
| 25 | POSTAVY MOBILE IRBM BASE COMMAND CONTROL FACS | UR | 550941N 0265346E | S086814 |
| 25 | RADOVITSY OPTICAL TRACKING FAC A/C TEST ASSOC | UR | 550530N 0393130E | S087375 |
| 25 | RADOVITSY OPTICAL TRACKING FAC A/C TEST ASSOC | UR | 550530N 0393130E | |
| 25 | ROSTOV RADIO RELAY STATION SW | UR | 570940N 0391800E | S086617 |
| 25 | ROSTOV RADIO RELAY STATION WSW | UR | 570923N 0391655E | |
| 25 | SHUANGCHENG TZU MTC ICBM PAD B2 AZIMUTH MARKER | CH | 411828N 1001854E | S087273 |
| 25 | SHUANGCHENG TZU MTC ICBM SITE B1/2 ELCT EQUIP | CH | 411828N 1001854E | S086789 |
| 25 | SHUANGCHENG TZU MTC SSM SITE A ELCT EQUIPMENT | CH | 411653N 1001816E | |
| 25 | SINKEVICH I RADIO RELAY STATION | UR | 521305N 0271518E | S087373 |
| 25 | SMORGON IRBM REGIMENTAL COMMAND POST BUNKERED | UR | 543202N 0261747E | S086814 |
| 25 | SMORGON IRBM REGIMENTAL HQ RADCOM XMTR STA | UR | 542300N 0264000E | |
| 25 | SMORGON IRBM REGIMENTAL HQ RADIO RCVR ABND | UR | 543120N 0261720E | |
| 25 | SMORGON MOBILE IRBM BASE 1 COMMAND CNTRL FACS | UR | 543151N 0261723E | |
| 25 | TOMAKOVKA RADIO RELAY STATION SEARCH | UR | 4749 N 03445 E | S086618 |
| 25 | TYURATAM MTC RANGEHEAD TRKG FACIL BOW + ARROW | UR | 454230N 0632020E | S086811 |
| 25 | TYURATAM MTC SPACE SITE B1 GUIDANCE FACILS | UR | 455950N 0633348E | S086800 |
| 25 | TYURATAM MTC TRACKING FACILITY 5 BOW + ARROW | UR | 515333N 0672113E | S086811 |

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| EPF/CAT | SUBJECT | COUN | COORD | ACCN NO. |
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| 25 | VERKHNYAYA SALDA ICBM HQ RADCOM TRANSMITTER | UR | 575339N 0601106E | S086814 |
| 25 | VERKHNYAYA SALDA ICBM HQ RECEIVER BKR HARD | UR | 580426N 0602441E | |
| 25 | VORKUTA ESV TRACKING FACILITY BOW + ARROW | UR | 673330N 0640941E | S086811 |
| 25 | VORONEZH RADIO RELAY + TV CENTER | UR | 514025N 0391146E | S087374 |
| 25 | VOROVSKOLESSKAYA RADIO RELAY STATION | UR | 441750N 0422000E | S087534 |
| 25 | WUCHAI MTC SSM R+D TRAINING SITE A ELCT EQUIP | CH | 385002N 1113617E | S086789 |
| 25 | WUCHAI MTC SSM R+D TRAINING SITE B ELCT EQUIP | CH | 385241N 1113531E | |
| 25 | YELSK MRBM REGIMENTAL COMMAND POST BKR SEARCH | UR | 514654N 0291729E | S086814 |
| 25 | YELSK MRBM REGIMENTAL HQ RADCOM RCVR BKR HARD | UR | 514256N 0291224E | |
| 25 | YURYA ICBM COMPLEX COMMAND POST BUNKERED | UR | 590329N 0491658E | |
| 25 | YURYA ICBM HEADQUARTERS RADCOM RECEIVER STA | UR | 590615N 0491800E | |
| 25 | YURYA ICBM HEADQUARTERS RDO RELAY/RADCOM XMTR | UR | 584400N 0493130E | |
| 25 | ZELENOGORSK AW RADAR FACILITY | UR | 601430N 0294420E | S086801 |
| 25 | ZHITKOVICHI RADIO RELAY STATION PROB | UR | 521315N 0275052E | S087373 |
| 30 | CHIRCHIK ELECTROCHEMICAL CMB CRYOGEN RAILCARS | UR | 412733N 0693440E | S086799 |
| 30 | DUBNICA NAD VAHOM METALLURGICAL PLT TRT POSS | CZ | 485800N 0181114E | S087018 |
| 30 | INDUSTRY, AMMONIA PLANTS IMPORTED PROD IMPACT | UR | | S087146 |
| 30 | KURGAN MEDICINAL PREPARATIONS PLANT | UR | 552409N 0651257E | S087057 |
| 30 | KURGAN MEDICINAL PREPARATIONS PLANT HARDENED | UR | 552409N 0651257E | S087043 |

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| 30 | SVERDLOVSK OPTICAL EQUIPMENT PLANT 217 | UR | 564900N 0603900E | S086813 |
| 35 | ALAKURTTI ARMY BARRACKS AL1 MRR + ARTY REGT | UR | 665805N 0302027E | S087070 |
| 35 | ANASTASYEVKA ARMY BARRACKS AL1/TRNG AREA TA1 | UR | 483432N 1353720E | S087180 |
| 35 | ANASTASYEVKA ARMY BARRACKS AL1/TRNG AREA TA1 | UR | 483432N 1353720E | |

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| EPF/CAT | SUBJECT | COUN | COORD | ACCN NO. |
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| 35 | BATUMI ARMY BARRACKS SE AL15 | UR | 413510N 0143900E | S087276 |
| 35 | BELOGORSK ARMY BARRACKS AL1/HEADQUARTERS MRD | UR | 505413N 1282858E | S087133 |
| 35 | BIYSK ARMY TRAINING AREA TA1 | UR | 523036N 0852110E | S087177 |
| 35 | CHITA MILITARY ROAD CONSTRUCTION BN PESHANKA | UR | 515920N 1133558E | S087220 |
| 35 | CHOYBALSAN MILITARY STORAGE DPO DX1 ABANDONED | MG | 480638N 1143411E | S087302 |
| 35 | DUBNICA NAD VAHOM METALLURGICAL PLT TRT POSS | CZ | 485800N 0181114E | S087018 |
| 35 | GASTELLO ARMY BARRACKS AL1 | UR | 490610N 1425700E | S087301 |
| 35 | GASTELLO ARMY BARRACKS AL1 | UR | 490610N 1425700E | S087181 |
| 35 | GLIWICE AMMUNITION STORAGE FACILITY 514 | PL | 501800N 0183757E | S087303 |
| 35 | GRUDOVO AMMUNITION STORAGE FACILITY 502 | BU | 422019N 0270932E | S087224 |
| 35 | GRYFICE AMMUNITION STORAGE AREA | PL | 535539N 0151054E | S087305 |
| 35 | GYOR ARMY BARRACKS DOBI ISTVAN 25 | HU | 474233N 0174103E | S087266 |
| 35 | HANU CONACHE AMMUNITION DEPOT 4 | RO | 453513N 0273403E | S087251 |
| 35 | IVAYLOVGRAD AMMUNITION STORAGE FACILITY 501 | BU | 413113N 0260647E | S087226 |
| 35 | KALOYANOVETS AMMUNITION STORAGE FACILITY | BU | 422010N 0253410E | S087225 |
| 35 | KANDALAKSHA MILITARY BKS AL2/HQ MRD MRR IDENT | UR | 671019N 0322523E | S087070 |
| 35 | KARSHI ORDNANCE DEPOT D01 TWIN EAR ANT SEARCH | UR | 384927N 0654545E | S087420 |

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| EPF/CAT | SUBJECT | COUN | COORD | ACCN NO. |
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| 35 | KAZANLUK AMMUNITION STORAGE FACILITY 505 | BU | 423325N 0252203E | S087228 |
| 35 | KEM MILITARY BARRACKS AL3 MTRZD RIFLE REGT | UR | 645710N 0343433E | S087070 |
| 35 | KHABAROVSK ARMY BARRACKS AL30 | UR | 482134N 1350333E | S087179 |
| 35 | KHABAROVSK MILITARY BARRACKS AL1 + HQ MRD | UR | 482815N 1350610E | S087178 |
| 35 | KHARMANLI AMMUNITION DUMP SE 504 | BU | 415505N 0255445E | S087249 |
| 35 | KHARMANLI AMMUNITION STORAGE DEPOT WNW 503 | BU | 415630N 0255140E | S087248 |
| 35 | KHASKOVO AMMUNITION DEPOT | BU | 415255N 0253240E | S087250 |
| 35 | KISHINEV MILITARY STORAGE DEPOT DX1 | UR | 470250N 0284940E | S087222 |
| 35 | KIYEV ENGINEER DEPOT WEST DE1 | UR | 502645N 0302325E | S087460 |
| 35 | KOROSTEN ARMY BARRACKS AL1 + SAM SUPPORT UNIT | UR | 505624N 0283850E | S087030 |
| 35 | KOROSTEN ARMY BARRACKS LUGINY AL3 | UR | 510531N 0282251E | S087030 |
| 35 | KRUMOVGRAD AMMUNITION STORAGE DEPOT NNW | BU | 412918N 0253808E | S087247 |
| 35 | KRZYSTKOWICE AMMUNITION DEPOT NW | PL | 514843N 0151140E | S087436 |
| 35 | LEONIDOVO MILITARY BARRACKS AL2/HQ MRD | UR | 491640N 1425136E | S087306 |

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| 35 | MUKACHEVO ARMY BARRACKS AL7 | UR | 481847N 0223047E | S087300 |
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| 35 | NIKOLAYEV VEHICLE STGE FAC D01 SA-2 SUPT PROB | UR | 465953N 0320059E | S087233 |
| 35 | NOVAKY AMMUNITION + GENERAL DEPOT | CZ | 484533N 0183157E | S087244 |

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| EPF/CAT | SUBJECT | COUN | COORD | ACCN NO. |
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| 35 | ODESSA ARMY BARRACKS SVERDLOVO AL12 | UR | 463504N 030560E | S087267 |
| 35 | ODESSA MILITARY TRAINING AREA 1 | UR | 463615N 0305730E | |
| 35 | OLSHANITSA ORDNANCE DEPOT D01 | UR | 493730N 0304000E | S087434 |
| 35 | OMSK TANK PLANT VOROSHILOV 174 TANK NEW PROB | UR | 545556N 0732329E | S087256 |
| 35 | ORASTIE AMMUNITION DEPOT 502 | RO | 455012N 0231002E | S087223 |
| 35 | ORKENY ARMY BARRACKS TABOR 1 | HU | 470503N 0192716E | S087264 |
| 35 | OVRUCH ARMY BARRACKS AL1 + HQ TANK DIVISION | UR | 511947N 0284744E | S087030 |
| 35 | PILAWA MILITARY STORAGE FACILITY | PL | 515644N 0213203E | S087234 |
| 35 | PLOPENI AMMUNITION DEPOT NORTH | RO | 450455N 0255911E | S087240 |
| 35 | PLZEN ARMY BKS NA SLOVANECH SE 3 SP GUNS NEW | CZ | 494313N 0132423E | S086897 |
| 35 | POLYANOVGRAD AMMUNITION STORAGE FACILITY 503 | BU | 423842N 0270017E | S087229 |
| 35 | RAKOVNIK MILITARY BARRACKS + VEHICLE PARK | CZ | 500555N 0134540E | S087271 |
| 35 | RAKOVNIK MILITARY BARRACKS + VEHICLE PARK | CZ | 500555N 0134540E | |
| 35 | RUACANA FALLS DAM CUNENE RIVER HOSTILITIES | AO | 172230S 0141230E | S087295 |
| 35 | RUBTSOVSK ARMORED VEHICLE TEST FACILITY | UR | 514130N 0811200E | S087268 |
| 35 | SARANTSI AMMUNITION DEPOT ENE 503 | BU | 424434N 0234823E | S087398 |
| 35 | SEMIPALATINSK ARMY BARRACKS AL1/HQ ARTY DIV | UR | 502310N 0801100E | S087176 |
| 35 | SEVASTOPOL ARMY SUPPLY DEPOT DX2 | UR | 443458N 0332835E | S087238 |
| 35 | SEVASTOPOL MILITARY SUPPLY DEPOT DX2 | UR | 443232N 0333510E | S087299 |
| 35 | SEVASTOPOL ORDNANCE DEPOT D02 | UR | 443833N 0333544E | S087246 |

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| EPF/CAT | SUBJECT | COUN | COORD | ACCN NO. |
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| 35 | SLIVEN AMMUNITION DEPOT 515 | BU | 423931N 0261812E | S087438 |
| 35 | SLIVNITSA AMMUNITION DUMP ALDOMIROVTSI NE | BU | 425200N 0230020E | S087439 |
| 35 | SMOLYANINOVO ARMY BARRACKS AL1 MRD DEPARTURE | UR | 431808N 1322816E | S087286 |
| 35 | SMYADOVO AMMUNITION DEPOT SOUTH 501 | BU | 430306N 0270112E | S087437 |
| 35 | STARYY KRYM ORDNANCE DEPOT D01 NAV STGE POSS | UR | 450130N 0350820E | S087307 |
| 35 | SUMBER SUMA MILITARY STORAGE DEPOT DX1 | MG | 462250N 1082215E | S087252 |
| 35 | TARABULUS PORT FACILITIES ARMS DELIVERY SOV | LY | 325408N 0131127E | S086890 |
| 35 | TOMICHI MILITARY BKS AL1/HQ ARTY DIV FLD GUN | UR | 504622N 1281452E | S087134 |
| 35 | ULAANBAATAR AMMUNITION DEPOT DA1 | MG | 475540N 1070315E | S087239 |
| 35 | ULAANBAATAR MOTOR PARK WEST | MG | 475430N 1064630E | S087304 |
| 35 | VESELOYE AMMUNITION DEPOT DA1 | UR | 453252N 0341640E | S087308 |
| 35 | YUZHNO SAKHALINSK ARMY BKS AL9/TRNG AREA TA1 | UR | 465600N 1423700E | S087182 |
| 35 | YUZHNO SAKHALINSK ARMY BKS AL9/TRNG AREA TA1 | UR | 465600N 1423700E | S087182 |
| 35 | YUZHNO SAKHALINSK MILITARY BKS AL1 + HQ MRD | UR | 465904N 1424516E | S087183 |
| 40 | ANHSIEN AEROSPACE R+D FACIL WIND TNL CMPNTS | CH | 314221N 1042832E | S086808 |
| 40 | ANHSIEN AEROSPACE R+D FACILITY | CH | 314221N 1042832E | S086791 |
| 40 | BARREIRA DO INFERNO ROCKET TEST RANGE | BR | 055500S 0350900W | S087116 |
| 40 | BIYSK SOLID MOTOR TEST AREA 2 RKT MTR TESTING | UR | 523119N 0850154E | S086902 |
| 40 | BIYSK SOLID MOTOR TEST AREA 2 TEST PREP | UR | 523119N 0850154E | S086906 |
| 40 | CHIENSHUI SSM COMPLEX | CH | 233805N 1025030E | S086792 |
| 40 | DERAZHNYA ICBM COMPLEX SUPT FAC TYPE 36 SILO | UR | 492205N 0270914E | S086894 |

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TOP SECRET CHESS RUFF

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| EPF/CAT | SUBJECT | COUN | COORD | ACCN NO. |
|---------|---|------|------------------|----------|
| 40 | DODONOVO MISSILE + SPACE COMPONENTS PLANT | UR | 561540N 0933135E | S086809 |
| 40 | DODONOVO MISSILE + SPACE COMPONENTS PLANT | UR | 561540N 0933135E | |
| 40 | DROVYANAYA MOBILE IRBM BASE 5 U/C SS-20 ASSOC | UR | 512411N 1125158E | S087125 |
| 40 | DURBAN PORT FACILS RESHEF CLASS PGG SSM ARMED | SF | 295230S 0310230E | S087290 |
| 40 | GLADKAYA ICBM SITE 2 DEACTIVATED | UR | 562459N 0922702E | S086814 |
| 40 | GLADKAYA ICBM SITE 3 DISMANTLED | UR | 562027N 0921956E | |
| 40 | KAMCHATKA MISSILE IMPACT AREAS CRATERS | UR | 5712 N 16133 E | S086795 |
| 40 | KAPUSTIN YAR MTC SS-20 TRNG SS-16/20 EQUIP CF | UR | 484640N 0460310E | S087292 |
| 40 | KAPUSTIN YAR MTC SS-20 TRNG SS-16/20 EQUIP CF | UR | 484640N 0460310E | |
| 40 | KURUMOCH ROCKET ENGINE TEST FAC TWO-TONE TKS | UR | 533215N 0495116E | S086810 |
| 40 | KUZNETSOVO AIRCRAFT/MISSILE ENGINE TEST FAC | UR | 553226N 0382941E | S087114 |
| 40 | LIUCHINGKOU SSM CAVE STORAGE AREA | CH | 381145N 1000850E | S086805 |
| 40 | LIUCHINGKOU SSM COMPLEX | CH | 380835N 1000625E | |
| 40 | LIUCHINGKOU SSM FIELD POSITION | CH | 381328N 0995932E | |
| 40 | LIUCHINGKOU SSM SITE 1 | CH | 380944N 0995931E | |
| 40 | LIUCHINGKOU SSM SITE 2 | CH | 381446N 1000356E | |
| 40 | LIUCHINGKOU SSM SITE 3 | CH | 380510N 1001036E | |
| 40 | LIUCHINGKOU SSM SITE 4 | CH | 381348N 1001559E | |
| 40 | MATRUH SA-6 SUPPORT FACILITY 2 SA-6 TRSHPMT | EG | 312035N 0271240E | S086898 |
| 40 | MINFENG MISSILE IMPACT AREA | CH | 365005N 0825910E | S086614 |
| 40 | MINSK/MACHULISHCHE AIRFIELD BLINDER/AS-4 DPL | UR | 534626N 0273442E | S087294 |
| 40 | MISSILES, REAR SUPT DPOS SS-16/20-EQUIP SRCH | UR | | S087056 |
| 40 | MISSILES, REAR SUPT DPOS SS-16/20 EQUIP SRCH | UR | | |
| 40 | MISSILES, R+D/PROD FACILS ROOF AREA INCREASE | UR | | S086803 |
| 40 | MISSILES, R+D/PROD FACILS ROOF AREA INCREASE | CH | | S086787 |
| 40 | MISSILES, SS-16/SS-20 ASSOCIATED BUILDINGS | UR | | S086794 |
| 40 | MISSILES, SS-16/SS-20 ASSOCIATED BUILDINGS | UR | | |

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| EPF/CAT | SUBJECT | COUN | COORD | ACCN NO. |
|---------|---|------|------------------|----------|
| 40 | MISSILES, SS-20 CAMOUFLAGE NETS | UR | | S086620 |
| 40 | MISSILES, 80MM ROCKET POD 20-SHOT | UR | | S086594 |
| 40 | MOSKVA MISSILE DESIGN BUREAU OKB16 | UR | 554415N 0373700E | S086790 |
| 40 | MOSKVA/SHCHELKOVO AIRFIELD TASM NEW IDENT | UR | 555248N 0380347E | S087065 |
| 40 | NANCHANG AIRFRAME + MISSILE PLANT 320 NAN B | CH | 283752N 1155526E | S086610 |
| 40 | NIKOLAYEV VEHICLE STGE FAC D01 SA-2 SUPT PROB | UR | 465953N 0320059E | S087233 |
| 40 | NOVAYA MEZINOVKA MISSILE SUPT REAR DPO SS-20 | UR | 533047N 0265525E | S087056 |
| 40 | OVRUCH RAILROAD YARD SS-21 TEL/RESUPPLY VEH | UR | 511934N 0284908E | S087293 |
| 40 | PEICHING GUIDED MISSILE DPC MISSILE SYS R+D | CH | 394849N 1160805E | S086807 |
| 40 | PEICHING GUIDED MISSILE DPC PRPLN DEV/TEST | CH | 394849N 1160805E | S086806 |
| 40 | PEICHING GUIDED MISSILE PLANT MSL ASSOC EQUIP | CH | 394748N 1162358E | S086605 |
| 40 | PETROPAVLOVSK NAVAL MISSILE STORAGE | UR | 525653N 1582258E | S087013 |
| 40 | SARY SHAGAN MTC COMPLEX F ABM LAUNCH PREP | UR | 462629N 0725108E | S086899 |
| 40 | SHUANGCHENGZU MTC ICBM SITE B1/2 LAUNCH PREP | CH | 411828N 1001854E | S086896 |
| 40 | SPACE, R+D FACILITIES ROOF AREA INCREASE | CH | | S086787 |
| 40 | SPACE, R+D FACILITIES ROOF AREA INCREASE | UR | | S086803 |
| 40 | STRELOK ZALIV NAVAL MISSILE STORAGE 2 | UR | 425331N 1323327E | S087012 |
| 40 | SUNGLIN MTC CONSTRUCTION PROGRESS | CH | 281420N 1020149E | S086606 |
| 40 | TENGSHAHO SSM FIELD PSTN CSS-1/CSS-2 MODIFS | CH | 390911N 1220453E | S086905 |
| 40 | TYURATAM MTC CONST ACT P2 RWY SPACE ASSOC U/C | UR | 460302N 0631351E | S086907 |
| 40 | TYURATAM MTC SPACE SITE B1 LAUNCH PREPARATION | UR | 455950N 0633348E | S087287 |
| 40 | TYURATAM MTC SPACE SITE G1A/B SL-11 ERECTED | UR | 460454N 0625555E | S087126 |

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| EPF/CAT | SUBJECT | COUN | COORD | ACCN NO. |
|---------|---|------|------------------|----------|
| 40 | TYURATAM MTC SPACE SITE G3/4 SL-12/13 SLV | UR | 460423N 0625849E | S087289 |
| 40 | UZHUR ICBM RTP SS-18 SHIPPING CONTAINERS POSS | UR | 551557N 0894434E | S087257 |
| 40 | VERKHNYAYA SALDA ICBM COMPLEX HQ BUNKERED | UR | 580215N 0602250E | S086814 |
| 40 | VERKHNYAYA SALDA MOBILE IRBM BASE 1 | UR | 580818N 0603213E | S086814 |
| 40 | WUCHAI MTC CSS-X-4 SILO LAUNCH | CH | 384950N 1113620E | S087047 |
| 40 | WUCHAI MTC CSS-2 ACTIVITY | CH | 384950N 1113620E | S087261 |
| 40 | WUCHAI MTC SITE D PROPELLANT STORAGE FACILS | CH | 385052N 1113632E | S087020 |
| 40 | WUCHAI MTC SSM R+D TRNG SITE A CSS-2 ERECTED | CH | 385002N 1113617E | S087124 |
| 40 | WUCHAI MTC SSM R+D TRNG SITE A CSS-2 ERECTED | CH | 385002N 1113617E | S087253 |
| 40 | WUCHAI MTC SSM R+D TRNG SITE B CSS-X-4 ACT | CH | 385241N 1113531E | S087254 |
| 40 | WUCHAI MTC SSM R+D TRNG SITE B CSS-X-4 PREP | CH | 385241N 1113531E | S087259 |
| 40 | WUCHAI MTC SSM SUPPORT FAC CHECKOUT/STGE FAC | CH | 384828N 1113658E | S087023 |
| 40 | YURYA MOBILE IRBM BASE 1 | UR | 590611N 0494531E | S086814 |

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| EPF/CAT | SUBJECT | COUN | COORD | ACCN NO. |
|---------|---|------|------------------|----------|
| 75 | KHERSON SHIPYARD | UR | 463647N 0323534E | S087198 |
| 75 | KHERSON SHIPYARD KUYBYSHEV | UR | 463715N 0323630E | S087199 |
| 75 | KOLPINO SHIPYARD MIDDLE NEVA | UR | 594716N 0303754E | S087195 |
| 75 | KORSAKOV NAVAL BASE | UR | 463801N 1424551E | S087014 |
| 75 | KUANGCHI SHIPYARD PPS-TYPE SOV PONTOON BRIDGE | CH | 294903N 1153044E | S086909 |
| 75 | KUANGCHOU SHIPYARD TUNGLANG YU LIANG CL LSM | CH | 230430N 1131450E | S087123 |
| 75 | LENINGRAD SHIPYARD ADMIRALTY ENVRNMTL SHELTER | UR | 595502N 0301618E | S086623 |
| 75 | LENINGRAD SHIPYARD BALTIYSK 189A CL NAVAL AUX | UR | 595518N 0301539E | S086604 |
| 75 | LENINGRAD SHIPYARD BALTIYSK 189A CLASS AG | UR | 595518N 0301539E | S087038 |
| 75 | LENINGRAD SHIPYARD PETROVSKIY CONST PROGRAM | UR | 595736N 0301512E | S087272 |
| 75 | LUTA SHIPYARD DAIREN FU CHING CLASS AOR LNCH | CH | 385559N 1213816E | S087258 |
| 75 | NAVAL, ACTIVITY SUMMARY SALT RELATED | UR | | S087069 |
| 75 | NIKOLAYEV SHIPYARD NORTHERN 61 445F CLASS NEW | UR | 465840N 0320019E | S087037 |
| 75 | OCHAKOV NAVAL BASE | UR | 463700N 0313300E | S087197 |
| 75 | PECHENGA SUBMARINE BASE LINAKHAMARI | UR | 693803N 0312213E | S087192 |
| 75 | PETROPAVLOVSK NAVAL BASE RAKOVAYA GUBA NORTH | UR | 525911N 1583932E | S087191 |
| 75 | PETROPAVLOVSK SHIPYARD 412 | UR | 525743N 1584117E | S087186 |
| 75 | PETROPAVLOVSK SUBMARINE BASE/RPR YD D-3 SSBN | UR | 525455N 1582952E | S087129 |
| 75 | PETROPAVLOVSK SUBMARINE BASE/RPR YD D-3 SSBN | UR | 525455N 1582952E | |
| 75 | POTI NAVAL BASE + SHIPYARD YELYAVA 201 | UR | 420935N 0413926E | S087196 |
| 75 | POTI NAVAL BASE + SHIPYARD YELYAVA 201 | UR | 420935N 0413926E | |
| 75 | PUNTA MOVIDA NAVAL FACILITY F/W CL SS IDENT | CU | 220315N 0802640W | S087291 |

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| EPF/CAT | SUBJECT | COUN | COORD | ACCN NO. |
|---------|---|------|------------------|----------|
| 75 | RIGA NAVAL BASE + SHIPYARD BOLDERAJA | UR | 570302N 0240146E | S087194 |
| 75 | RIGA NAVAL BASE + SHIPYARD BOLDERAJA | UR | 570302N 0240146E | |
| 75 | SEVERODVINSK NAVAL BASE WEST | UR | 643420N 0394551E | S087193 |
| 75 | SEVERODVINSK SHIPYARD A SSN PRESSURE HULL CF | UR | 643438N 0394832E | S086621 |
| 75 | SEVERODVINSK SHIPYARD 402 COVERED TRANSVERSER | UR | 643438N 0394832E | S086900 |
| 75 | SEVERODVINSK SHIPYARD 402 D-3 SSBN UNIT 10 | UR | 643438N 0394832E | S087131 |
| 75 | SEVERODVINSK SHIPYARD 402 PRESSURE HULL CRTS | UR | 643438N 0394832E | S086625 |
| 75 | SEVERODVINSK SHIPYARD 402 PRESSURE HULL U/C | UR | 643438N 0394832E | S086901 |
| 75 | SHANGHAI SHIPYARD PUTUNG | CH | 311504N 1213103E | S087141 |
| 75 | SHANGHAI SHIPYARD WEST | CH | 311524N 1213103E | S087142 |
| 75 | SHIPS, ARD T TRANSPORTER DOCK CAMOUFLAGE ACT | UR | | S086622 |
| 75 | SHIPS, G CLASS SSB | UR | | S087285 |
| 75 | SHIPS, KRIVAK-1 CLASS FFG | UR | | S087041 |
| 75 | SHIPS, KRIVAK-2 CLASS FFG | UR | | |
| 75 | SHIPS, NOVOL A CLASS PB | UR | | S087270 |
| 75 | SHIPS, 189A CLASS AG | UR | | S087038 |
| 75 | SHIPS, 189A CLASS NAVAL AUXILIARY | UR | | S086604 |
| 75 | SHIPS, 445D CL NAVAL AUX RPR SHIP FITTING OUT | UR | | S086598 |
| 75 | SHIPS, 445F CLASS COMBATANT NEW | UR | | S087037 |
| 75 | SLAVYANKA SHIP REPAIR YARD | UR | 425200N 1312326E | S087189 |
| 75 | SOVETSKAYA GAVAN NAVAL BASE + SHIPYARD 263 | UR | 485738N 1401623E | S087010 |
| 75 | SOVETSKAYA GAVAN NAVAL BASE + SHIPYARD 263 | UR | 485738N 1401623E | |

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| EPF/CAT | SUBJECT | COUN | COORD | ACCN NO. |
|---------|---|------|------------------|----------|
| 75 | SOVETSKAYA GAVAN SHIP REPAIR YARD BYAUDE | UR | 490038N 1401438E | S087011 |
| 75 | STARYY KRYM ORDNANCE DEPOT D01 NAV STGE POSS | UR | 450130N 0350820E | S087307 |
| 75 | TAKUSHAN NAVAL FACILITIES PUG | CH | 385700N 1215019E | S087138 |
| 75 | TARABULUS PORT FACILITIES ARMS DELIVERY SOV | LY | 325408N 0131127E | S086890 |
| 75 | VLADIVOSTOK NAVAL BASE + REPAIR YARD DIOMID | UR | 430530N 1315340E | S087187 |
| 75 | VLADIVOSTOK NAVAL BASE + REPAIR YARD DIOMID | UR | 430530N 1315340E | S087187 |
| 75 | VLADIVOSTOK NAVAL INFANTRY INSTALLATION 1 | UR | 430910N 1315830E | S087188 |
| 75 | VLADIVOSTOK SUBMARINE BASE ULISA GUBA G CLASS | UR | 430449N 1315506E | S087285 |
| 75 | WENCHOU SHIPYARD + NAVAL FACILITY | CH | 280130N 1204006E | S087140 |
| 75 | WENCHOU SHIPYARD + NAVAL FACILITY | CH | 280130N 1204006E | S087140 |
| 80 | KALININGRAD/YEZAU STORAGE DEPOT | UR | 543150N 0203620E | S086613 |
| 80 | YAROSLAVSKAYA GRUPPA POL STORAGE FACILITY | UR | 561700N 0424639E | S087433 |
| 85 | ARMAVIR AVTOKOLONNA 1715 | UR | 445855N 0410640E | S087241 |
| 85 | BURUNDAY AVTOKOLONNA 2562 | UR | 432107N 0765044E | S087235 |
| 85 | CHIRCHIK ELECTROCHEMICAL CMB CRYOGEN RAILCARS | UR | 412733N 0693440E | S086799 |
| 85 | KARAGANDA AVTOKOLONNA 2582 | UR | 494710N 0730455E | S087237 |
| 85 | KHARKOV AVTOKOLONNA 2251 | UR | 495712N 0360822E | S087236 |
| 85 | OVROUCH RAILROAD YARD SS-21 TEL/RESUPPLY VEH | UR | 511934N 0284908E | S087293 |
| 85 | SEMIPALATINSK AVTOKOLONNA 2584 | UR | 502644N 0801417E | S087242 |
| 85 | TRANSPORTATION, CHINESE ROAD CONSTRUCTION | LA | | S086615 |

TOP SECRET CHESS RUFF

PART IV

Listing of Reports by Coordinates

TOP SECRET CHESS RUFF

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| COORD | SUBJECT | COUN | ACCN NO. |
|------------------|---|------|----------|
| 000230N 0322617E | ENTEBBE AIRFIELD COMBAT DAMAGE | UG | S087127 |
| 012419N 0322833E | NAKASONGOLA AIRFIELD BLINDER TU-22 IDENT | UG | S086895 |
| 115445N 1091320E | CAM RANH NAVAL + LOG SUPPORT BASE SHIPS SOV | VM | S087255 |
| 160233N 1081215E | DA NANG AIRFIELD BEAR D TU-95 DEPLOYMENT | VM | S086910 |
| 160700N 1081330E | DA NANG NAVAL STATION NAVAL UNITS SOV IDENT | VM | S086904 |
| 233805N 1025030E | CHIENSHU SSM COMPLEX | CH | S086792 |
| 230430N 1131450E | KUANGCHOU SHIPYARD TUNGLANG YU LIANG CL LSM | CH | S087123 |

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| 262215N 1061602E | PINGPA AIRCRAFT PROPULSION SYSTEM R+D CENTER | CH | S086788 |
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| 281420N 1020149E | SUNGLIN MTC CONSTRUCTION PROGRESS | CH | S086606 |
| 283752N 1155526E | NANCHANG AIRFRAME + MISSILE PLANT 320 NAN B | CH | S086610 |
| 283752N 1155526E | NANCHANG AIRFRAME + MISSILE PLANT 320 NAN B | CH | |
| 280130N 1204006E | WENCHOU SHIPYARD + NAVAL FACILITY | CH | S087140 |
| 280130N 1204006E | WENCHOU SHIPYARD + NAVAL FACILITY | CH | |
| 294445N 1071828E | FOULING SHIPYARD SUBMARINE CONSTRUCTION | CH | S087136 |
| 294903N 1153044E | KUANGCHI SHIPYARD PPS-TYPE SOV PONTOON BRIDGE | CH | S086909 |

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|------------------|--|----|---------|
| 304224N 1035744E | CHENG TU AIRFRAME PLANT 132 FISHBED F-7 COUNTS | CH | S087026 |
| 312035N 0271240E | MATRUH SA-6 SUPPORT FACILITY 2 SA-6 TRSHPMT | EG | S086898 |

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|------------------|---|----|---------|
| 314221N 1042832E | ANHSIEN AEROSPACE R+D FACIL WIND TNL CMPNTS | CH | S086808 |
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| COORD | SUBJECT | COUN | ACCN NO. |
|------------------|---|------|----------|
| 314221N 1042832E | ANHSIEN AEROSPACE R+D FACILITY | CH | S086791 |
| 311524N 1213103E | SHANGHAI SHIPYARD WEST | CH | S087142 |
| 311504N 1213103E | SHANGHAI SHIPYARD PUTUNG | CH | S087141 |
| 325408N 0131127E | TARABULUS PORT FACILITIES ARMS DELIVERY SOV | LY | S086890 |
| 325408N 0131127E | TARABULUS PORT FACILITIES ARMS DELIVERY SOV | LY | S086890 |

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| 365005N 0825910E | MINFENG MISSILE IMPACT AREA | CH | S086614 |
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| 360345N 1201740E | CHINGTAO NAVAL SHIPYARD | CH | S087139 |
| 360345N 1201740E | CHINGTAO NAVAL SHIPYARD | CH | S087139 |
| 360424N 1201818E | CHINGTAO NAVAL DOCKYARD | CH | S087137 |
| 360424N 1201818E | CHINGTAO NAVAL DOCKYARD | CH | S087137 |
| 384822N 0654615E | KARSHI AIRFIELD SOUTH TWIN EAR ANTENNA SEARCH | UR | S087420 |
| 384927N 0654545E | KARSHI ORDNANCE DEPOT D01 TWIN EAR ANT SEARCH | UR | S087420 |
| 384927N 0654545E | KARSHI ORDNANCE DEPOT D01 TWIN EAR ANT SEARCH | UR | S087420 |
| 380944N 0995931E | LIUCHINGKOU SSM SITE 1 | CH | S086805 |
| 381328N 0995932E | LIUCHINGKOU SSM FIELD POSITION | CH | S086805 |
| 380510N 1001036E | LIUCHINGKOU SSM SITE 3 | CH | S086805 |
| 3808 N 10006 E | LIUCHINGKOU IRBM RADCOM STATION NORTH BKR | CH | S086805 |

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| COORD | SUBJECT | COUN | ACCN NO. |
|------------------|---|------|----------|
| 380835N 1000625E | LIUCHINGKOU SSM COMPLEX | CH | |
| 380815N 1001020E | LIUCHINGKOU SSM COMPLEX COMMAND POST BKR FAC | CH | |
| 381145N 1000850E | LIUCHINGKOU SSM CAVE STORAGE AREA | CH | |
| 381348N 1001559E | LIUCHINGKOU SSM SITE 4 | CH | |
| 381446N 1000356E | LIUCHINGKOU SSM SITE 2 | CH | |
| 384828N 1113658E | WUCHAI MTC SSM SUPPORT FAC CHECKOUT/STGE FAC | CH | S087023 |
| 384950N 1113620E | WUCHAI MTC CSS-2 ACTIVITY | CH | S087261 |
| 384950N 1113620E | WUCHAI MTC CSS-X-4 SILO LAUNCH | CH | S087047 |
| 385052N 1113632E | WUCHAI MTC SITE D PROPELLANT STORAGE FACILS | CH | S087020 |
| 385002N 1113617E | WUCHAI MTC SSM R+D TRAINING SITE A ELCT EQUIP | CH | S086789 |
| 385002N 1113617E | WUCHAI MTC SSM R+D TRNG SITE A CSS-2 ERECTED | CH | S087253 |
| 385002N 1113617E | WUCHAI MTC SSM R+D TRNG SITE A CSS-2 ERECTED | CH | S087124 |
| 385241N 1113531E | WUCHAI MTC SSM R+D TRNG SITE B CSS-X-4 PREP | CH | S087259 |
| 385241N 1113531E | WUCHAI MTC SSM R+D TRAINING SITE B ELCT EQUIP | CH | S086789 |
| 385241N 1113531E | WUCHAI MTC SSM R+D TRNG SITE B CSS-X-4 ACT | CH | S087254 |
| 385559N 1213816E | LUTA SHIPYARD DAIREN FU CHING CLASS AOR LNCH | CH | S087258 |
| 385700N 1215019E | TAKUSHAN NAVAL FACILITIES PUG | CH | S087138 |
| 394748N 1162358E | PEICHING GUIDED MISSILE PLANT MSL ASSOC EQUIP | CH | S086605 |
| 394849N 1160805E | PEICHING GUIDED MISSILE DPC MISSILE SYS R+D | CH | S086807 |
| 394849N 1160805E | PEICHING GUIDED MISSILE DPC PRPLN DEV/TEST | CH | S086806 |
| 390911N 1220453E | TENGSHAO SSM FIELD PSTN CSS-1/CSS-2 MODIFS | CH | S086905 |
| 403938N 1095821E | PAOTOU NUCLEAR ENERGY FACILITY | CH | S086616 |
| 413510N 0143900E | BATUMI ARMY BARRACKS SE AL15 | UR | S087276 |
| 412918N 0253808E | KRUMOVGRAD AMMUNITION STORAGE DEPOT NNW | BU | S087247 |

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TOP SECRET CHESS RUFF

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| COORD | SUBJECT | COUN | ACCN NO. |
|------------------|---|------|----------|
| 415255N 0253240E | KHASKOVO AMMUNITION DEPOT | BU | S087250 |
| 415505N 0255445E | KHARMANLI AMMUNITION DUMP SE 504 | BU | S087249 |
| 415630N 0255140E | KHARMANLI AMMUNITION STORAGE DEPOT WNW 503 | BU | S087248 |
| 413113N 0260647E | IVAYLOVGRAD AMMUNITION STORAGE FACILITY 501 | BU | S087226 |
| 413857N 0445610E | TBILISI/SOGANLUG AIRFIELD | UR | S087044 |
| 413954N 0445259E | TBILISI AIRFRAME PLANT 31 | UR | |
| 412733N 0693440E | CHIRCHIK ELECTROCHEMICAL CMB CRYOGEN RAILCARS | UR | S086799 |
| 412733N 0693440E | CHIRCHIK ELECTROCHEMICAL CMB CRYOGEN RAILCARS | UR | |
| 411653N 1001816E | SHUANGCHENGTZU MTC SSM SITE A ELCT EQUIPMENT | CH | S086789 |
| 411828N 1001854E | SHUANGCHENGTZU MTC ICBM PAD B2 AZIMUTH MARKER | CH | S087273 |
| 411828N 1001854E | SHUANGCHENGTZU MTC ICBM SITE B1/2 ELCT EQUIP | CH | S086789 |
| 411828N 1001854E | SHUANGCHENGTZU MTC ICBM SITE B1/2 LAUNCH PREP | CH | S086896 |
| 415208N 1232600E | SHENYANG AIRFRAME PLANT 112 FARMER F F-9 PROD | CH | S087027 |
| 415208N 1232600E | SHENYANG AIRFRAME PLANT 112 FARMER MODIFIED | CH | S087024 |
| 424434N 0234823E | SARANTSI AMMUNITION DEPOT ENE 503 | BU | S087398 |
| 425200N 0230020E | SLIVNITSA AMMUNITION DUMP ALDOMIROVTSI NE | BU | S087439 |
| 422010N 0253410E | KALOYANOVETS AMMUNITION STORAGE FACILITY | BU | S087225 |
| 423325N 0252203E | KAZANLUK AMMUNITION STORAGE FACILITY 505 | BU | S087228 |
| 423931N 0261812E | SLIVEN AMMUNITION DEPOT 515 | BU | S087438 |
| 422019N 0270932E | GRUDOVO AMMUNITION STORAGE FACILITY 502 | BU | S087224 |
| 423842N 0270017E | POLYANOVGRAD AMMUNITION STORAGE FACILITY 503 | BU | S087229 |
| 420935N 0413926E | POTI NAVAL BASE + SHIPYARD YELYAVA 201 | UR | S087196 |
| 420935N 0413926E | POTI NAVAL BASE + SHIPYARD YELYAVA 201 | UR | |

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TOP SECRET CHESS RUFF

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TOP SECRET CHESS RUFF

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25X1

| COORD | SUBJECT | COUN | ACCN NO. |
|------------------|---|------|----------|
| 425200N 1312326E | SLAVYANKA SHIP REPAIR YARD | UR | S087189 |
| 425331N 1323327E | STRELOK ZALIV NAVAL MISSILE STORAGE 2 | UR | S087012 |
| 430306N 0270112E | SMYADOVO AMMUNITION DEPOT SOUTH 501 | BU | S087437 |
| 430910N 0762330E | ALMA ATA COMMAND CONTROL RADCOM FACIL BKR U/I | UR | S087396 |
| 431211N 0763603E | ALMA ATA COMMAND CONTROL RADCOM FACIL BKR U/I | UR | S087298 |
| 432107N 0765044E | BURUNDAY AVTOKOLONNA 2562 | UR | S087235 |
| 430449N 1315506E | VLADIVOSTOK SUBMARINE BASE ULISA GUBA 6 CLASS | UR | S087285 |
| 430530N 1315340E | VLADIVOSTOK NAVAL BASE + REPAIR YARD DIOMID | UR | S087187 |
| 430530N 1315340E | VLADIVOSTOK NAVAL BASE + REPAIR YARD DIOMID | UR | |
| 430910N 1315830E | VLADIVOSTOK NAVAL INFANTRY INSTALLATION 1 | UR | S087188 |
| 431808N 1322816E | SMOLYANINOVO ARMY BARRACKS AL1 MRD DEPARTURE | UR | S087286 |
| 443232N 0333510E | SEVASTOPOL MILITARY SUPPLY DEPOT DX2 | UR | S087299 |
| 443458N 0332835E | SEVASTOPOL ARMY SUPPLY DEPOT DX2 | UR | S087238 |
| 443833N 0333544E | SEVASTOPOL ORDNANCE DEPOT D02 | UR | S087246 |
| 445855N 0410640E | ARMAVIR AVTOKOLONNA 1715 | UR | S087241 |
| 441750N 0422000E | VOROVSKOLESSKAYA RADIO RELAY STATION | UR | S087534 |
| 441554N 1332508E | VARFOLOMEYEVKA AIRFIELD SOUTH FISHBED/FOXBAT | UR | |
| 455012N 0231002E | ORASTIE AMMUNITION DEPOT 502 | RO | S087223 |
| 450455N 0255911E | PLOPONI AMMUNITION DEPOT NORTH | RO | S087240 |
| 453513N 0273403E | HANU CONACHE AMMUNITION DEPOT 4 | RO | S087251 |
| 453252N 0341640E | VESELOYE AMMUNITION DEPOT DA1 | UR | S087308 |

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TOP SECRET CHESS RUFF

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| COORD | SUBJECT | COUN | ACCN NO. |
|------------------|---|------|----------|
| 450130N 0350820E | STARYY KRYM ORDNANCE DEPOT D01 NAV STGE POSS | UR | S087307 |
| 450130N 0350820E | STARYY KRYM ORDNANCE DEPOT D01 NAV STGE POSS | UR | |
| 450711N 0352953E | FEODOSIYA SHIPYARD YUZNAYA TOCHKA YUZH B ACV | UR | S086908 |
| 450750N 0353130E | PRIMORSKIY HELIPORT HIND MI-24 IDENTIFICATION | UR | S087028 |
| 454230N 0632020E | TYURATAM MTC RANGEHEAD TRKG FACIL BOW + ARROW | UR | S086811 |
| 455950N 0633348E | TYURATAM MTC SPACE SITE B1 GUIDANCE FACILS | UR | S086800 |
| 455950N 0633348E | TYURATAM MTC SPACE SITE B1 LAUNCH PREPARATION | UR | S087287 |
| 465215N 0172435E | TAPOLCA AIRFIELD DUMMY FISHBED | HU | S087260 |
| 465215N 0172435E | TAPOLCA AIRFIELD DUMMY FISHBED | HU | |
| 463120N 0265510E | BACAU AIRFRAME PLANT | RO | S087122 |
| 463504N 0305608E | ODESSA ARMY BARRACKS SVERDLOVO AL12 | UR | S087267 |
| 463615N 0305730E | ODESSA MILITARY TRAINING AREA 1 | UR | |
| 463700N 0313300E | OCHAKOV NAVAL BASE | UR | S087197 |
| 463647N 0323534E | KHERSON SHIPYARD | UR | S087198 |
| 463715N 0323630E | KHERSON SHIPYARD KUYBYSHEV | UR | S087199 |
| 465840N 0320019E | NIKOLAYEV SHIPYARD NORTHERN 61 445F CLASS NEW | UR | S087037 |
| 465953N 0320059E | NIKOLAYEV VEHICLE STGE FAC D01 SA-2 SUPT PROB | UR | S087233 |
| 465953N 0320059E | NIKOLAYEV VEHICLE STGE FAC D01 SA-2 SUPT PROB | UR | |
| 464903N 0364532E | BERDYANSK AIRFIELD HELICOPTER ASSAULT REGT | UR | S087262 |
| 460454N 0625555E | TYURATAM MTC SPACE SITE G1A/B SL-11 ERECTED | UR | S087126 |
| 460423N 0625849E | TYURATAM MTC SPACE SITE G3/4 SL-12/13 SLV | UR | S087289 |
| 460302N 0631351E | TYURATAM MTC CONST ACT P2 RWY SPACE ASSOC U/C | UR | S086907 |
| 462629N 0725108E | SARY SHAGAN MTC COMPLEX F ABM LAUNCH PREP | UR | S086899 |
| 462250N 1082215E | SUMBER SUMA MILITARY STORAGE DEPOT DX1 | MG | S087252 |

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TOP SECRET CHESS RUFF

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TOP SECRET CHESS RUFF

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| COORD | SUBJECT | COUN | ACCN NO. |
|------------------|---|------|----------|
| 463801N 1424551E | KORSAKOV NAVAL BASE | UR | S087014 |
| 465600N 1423700E | YUZHNO SAKHALINSK ARMY BKS AL9/TRNG AREA TA1 | UR | S087182 |
| 465600N 1423700E | YUZHNO SAKHALINSK ARMY BKS AL9/TRNG AREA TA1 | UR | |
| 465904N 1424516E | YUZHNO SAKHALINSK MILITARY BKS AL1 + HQ MRD | UR | S087183 |
| [REDACTED] | | | |
| 474233N 0174103E | GYOR ARMY BARRACKS DOBI ISTVAN 25 | HU | S087266 |
| 470503N 0192716E | ORKENY ARMY BARRACKS TABOR 1 | HU | S087264 |
| 470250N 0284940E | KISHINEV MILITARY STORAGE DEPOT DX1 | UR | S087222 |
| [REDACTED] | | | |
| 4749 N 03445 E | TOMAKOVKA RADIO RELAY STATION SEARCH | UR | S086618 |
| 472624N 0351710E | VASILYEVKA CIVIL DEFENSE HQ U/G SUSP | UR | S087230 |
| 471155N 0385055E | TAGANROG AIRFIELD TAG A AERODYNAMIC VEH MODIF | UR | S087029 |
| 471516N 0394318E | ROSTOV AIRFRAME PLANT 168 HIND D MI-24 MODIF | UR | S087036 |
| [REDACTED] | | | |
| 475430N 1064630E | ULAANBAATAR MOTOR PARK WEST | MG | S087304 |
| 475540N 1070315E | ULAANBAATAR AMMUNITION DEPOT DA1 | MG | S087239 |
| 484533N 0183157E | NOVAKY AMMUNITION + GENERAL DEPOT | CZ | S087244 |
| 485800N 0181114E | DUBNICA NAD VAHOM METALLURGICAL PLT TRT POSS | CZ | S087018 |
| 485800N 0181114E | DUBNICA NAD VAHOM METALLURGICAL PLT TRT POSS | CZ | |
| [REDACTED] | | | |
| 481847N 0223047E | MUKACHEVO ARMY BARRACKS AL7 | UR | S087300 |
| 482655N 0350120E | DNEPROPETROVSK TV + FM BROADCASTING CENTER | UR | S087419 |

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TOP SECRET CHESS RUFF

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| COORD | SUBJECT | COUN | ACCN NO. |
|------------------|---|------|----------|
| 484640N 0460310E | KAPUSTIN YAR MTC SS-20 TRNG SS-16/20 EQUIP CF | UR | S087292 |
| 484640N 0460310E | KAPUSTIN YAR MTC SS-20 TRNG SS-16/20 EQUIP CF | UR | |
| 484640N 0460310E | KAPUSTIN YAR MTC SS-20 TRNG SS-16/20 EQUIP CF | UR | |
| 480319N 0534334E | MAKAT FAD-741 EMITTER BIG BAR RADAR DESTROYED | UR | S086903 |
| 480638N 1143411E | CHOYBALSAN MILITARY STORAGE DPO DX1 ABANDONED | MG | S087302 |
| 482134N 1350333E | KHABAROVSK ARMY BARRACKS AL30 | UR | S087179 |
| 482815N 1350610E | KHABAROVSK MILITARY BARRACKS AL1 + HQ MRD | UR | S087178 |
| 483430N 1350150E | KHABAROVSK NAVAL BASE OSTROV ZAYACHYI | UR | S087015 |
| 483440N 1350206E | KHABAROVSK SHIPYARD AMURFLOT | UR | S087190 |
| 483432N 1353720E | ANASTASYEVKA ARMY BARRACKS AL1/TRNG AREA TA1 | UR | S087180 |
| 483432N 1353720E | ANASTASYEVKA ARMY BARRACKS AL1/TRNG AREA TA1 | UR | |
| 485738N 1401623E | SOVETSKAYA GAVAN NAVAL BASE + SHIPYARD 263 | UR | S087010 |
| 485738N 1401623E | SOVETSKAYA GAVAN NAVAL BASE + SHIPYARD 263 | UR | |
| 494313N 0132423E | PLZEN ARMY BKS NA SLOVANECH SE 3 SP GUNS NEW | CZ | S086897 |
| 495140N 0240440E | LVOV ELECTRONICS DEPOT NE | UR | S087245 |
| 492205N 0270914E | DERAZHNYA ICBM COMPLEX SUPT FAC TYPE 36 SILO | UR | S086894 |
| 493730N 0304000E | OLSHANITSA ORDNANCE DEPOT D01 | UR | S087434 |
| 492410N 0311600E | KORSUN SHEVCHENKOVSKIY RADIO RELAY STATION | UR | S087418 |
| 495712N 0360822E | KHARKOV AVTOKOLONNA 2251 | UR | S087236 |
| 494710N 0730455E | KARAGANDA AVTOKOLONNA 2582 | UR | S087237 |
| 490038N 1401438E | SOVETSKAYA GAVAN SHIP REPAIR YARD BYAUDE | UR | S087011 |

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TOP SECRET CHESS RUFF

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TOP SECRET CHESS RUFF

25X1

| COORD | SUBJECT | COUN | ACCN NO. |
|------------------|--|------|----------|
| 490610N 1425700E | GASTELLO ARMY BARRACKS AL1 | UR | S087301 |
| 490610N 1425700E | GASTELLO ARMY BARRACKS AL1 | UR | S087181 |
| 491640N 1425136E | LEONIDOVO MILITARY BARRACKS AL2/HQ MRD | UR | S087306 |

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|------------------|---|----|---------|
| 500555N 0134540E | RAKOVNIK MILITARY BARRACKS + VEHICLE PARK | CZ | S087271 |
| 500555N 0134540E | RAKOVNIK MILITARY BARRACKS + VEHICLE PARK | CZ | |

25X1

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|------------------|---|----|---------|
| 501800N 0183757E | GLIWICE AMMUNITION STORAGE FACILITY 514 | PL | S087303 |
| 501635N 0284344E | ZHITOMIR AIRFIELD | UR | S087456 |
| 505624N 0283850E | KOROSTEN ARMY BARRACKS AL1 + SAM SUPPORT UNIT | UR | S087030 |
| 502645N 0302325E | KIYEV ENGINEER DEPOT WEST DE1 | UR | S087460 |

25X1

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|------------------|---|----|---------|
| 502310N 0801100E | SEMIPALATINSK ARMY BARRACKS AL1/HQ ARTY DIV | UR | S087176 |
| 502644N 0801417E | SEMIPALATINSK AVTOKOLONNA 2584 | UR | S087242 |

25X1

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TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

25X1

| COORD | SUBJECT | COUN | ACCN NO. |
|------------------|--|------|----------|
| 504622N 1281452E | TOMICHI MILITARY BKS AL1/HQ ARTY DIV FLD GUN | UR | S087134 |
| 505429N 1282712E | BELOGORSK AIR DEPOT WEST GSE | UR | S087459 |
| 505413N 1282858E | BELOGORSK ARMY BARRACKS AL1/HEADQUARTERS MRD | UR | S087133 |

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|------------------|---|----|---------|
| 514843N 0151140E | KRZYSTKOWICE AMMUNITION DEPOT NW | PL | S087436 |
| 515644N 0213203E | PILAWA MILITARY STORAGE FACILITY | PL | S087234 |
| 511200N 0244010E | KOVEL RADIO RELAY + TV RELAY STATION | UR | S087373 |
| 510531N 0282251E | KOROSTEN ARMY BARRACKS LUGINY AL3 | UR | S087030 |
| 511947N 0284744E | OVRUCH ARMY BARRACKS AL1 + HQ TANK DIVISION | UR | |
| 511934N 0284908E | OVRUCH RAILROAD YARD SS-21 TEL/RESUPPLY VEH | UR | S087293 |
| 511934N 0284908E | OVRUCH RAILROAD YARD SS-21 TEL/RESUPPLY VEH | UR | |
| 514256N 0291224E | YELSK MRBM REGIMENTAL HQ RADCOM RCVR BKR HARD | UR | S086814 |
| 514654N 0291729E | YELSK MRBM REGIMENTAL COMMAND POST BKR SEARCH | UR | |
| 514025N 0391146E | VORONEZH RADIO RELAY + TV CENTER | UR | S087374 |

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|------------------|---|----|---------|
| 515333N 0672113E | TYURATAM MTC TRACKING FACILITY 5 BOW + ARROW | UR | S086811 |
| 514130N 0811200E | RUBTSOVSK ARMORED VEHICLE TEST FACILITY | UR | S087268 |
| 512411N 1125158E | DROVYANAYA MOBILE IRBM BASE 5 U/C SS-20 ASSOC | UR | S087125 |
| 512021N 1130114E | DROVYANAYA MOBILE IRBM BASE 2 COMD CNTRL FAC | UR | S086814 |
| 512558N 1130305E | DROVYANAYA MOBILE IRBM BASE 3 COMD CNTRL FAC | UR | |
| 512718N 1130402E | DROVYANAYA MOBILE IRBM BASE 1 COMD CNTRL FAC | UR | |
| 513141N 1130356E | DROVYANAYA ICBM HQ RADCOM RECEIVER BKR HARD | UR | |

25X1

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TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

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| COORD | SUBJECT | COUN | ACCN No. |
|------------------|--|------|----------|
| 513741N 1133859E | DROVYANAYA ICBM HQ RADCOM XMTR STATION BKR | UR | |
| 514100N 1135000E | DARASUN RADIO RELAY STATION | UR | S087461 |
| 515920N 1133558E | CHITA MILITARY ROAD CONSTRUCTION BN PESHANKA | UR | S087220 |

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|------------------|---|----|---------|
| 520812N 0235857E | BREST RADIO RELAY/TV/FM BDCSTG CTR ROKINITSA | UR | S087373 |
| 521235N 0244610E | ANTOPOL RADIO RELAY STATION | UR | |
| 521705N 0242900E | KOBRIN RADIO RELAY STATION | UR | |
| 520730N 0253338E | IVANOVO RADIO RELAY STATION | UR | |
| 521045N 0260330E | PINSK RADIO RELAY STATION | UR | |
| 521330N 0262755E | PAROKHONSK RADIO RELAY STATION | UR | |
| 521127N 0274843E | KOZHANOVICHI MOBILE IRBM BASE COMD CNTRL FAC | UR | S086814 |
| 521100N 0274800E | KOZHANOVICHI MRBM REGIMENTAL HQ RADCOM RCVR | UR | |
| 521305N 0271518E | SINKEVICHI RADIO RELAY STATION | UR | S087373 |
| 521315N 0275052E | ZHITKOVICHI RADIO RELAY STATION PROB | UR | |
| 521040N 0283445E | KONKOVICHI MOBILE IRBM BASE COMMAND CNTRL FAC | UR | S086814 |
| 521036N 0283441E | KONKOVICHI MRBM REGIMENTAL COMMAND POST BKR | UR | |
| 521049N 0283613E | KONKOVICHI MRBM REGIMENTAL HQ RECEIVER BKR | UR | |
| 521602N 0280521E | KOZHANOVICHI MRBM REGIMENTAL HQ RADCOM XMTR | UR | |
| 520210N 0291108E | MOZYR MOBILE IRBM BASE + TRNG FAC COMD CNTRL | UR | |
| 520428N 0290641E | MOZYR MRBM DIVISION COMMAND POST BUNKERED | UR | |
| 520424N 0290645E | MOZYR MRBM DIVISION HQ RADCOM RCVR BKR HARD | UR | |
| 520542N 0291658E | MOZYR MRBM DIVISION HQ RADCOM TRANSMITTER STA | UR | |
| 521649N 0292126E | BOBROVICHI AIRFIELD AIRCRAFT SHELTERS | UR | S087458 |
| 522602N 0310043E | GOMEL TV CENTER | UR | S087373 |
| 524435N 0321435E | KLINTSY TV RELAY STATION | UR | |

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|------------------|------------------------------|----|---------|
| 523036N 0852110E | BIYSK ARMY TRAINING AREA TA1 | UR | S087177 |
|------------------|------------------------------|----|---------|

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TOP SECRET CHESS RUFF

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TOP SECRET CHESS RUFF

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20X1

| COORD | SUBJECT | COUN | ACCN NO. |
|------------------|---|------|----------|
| 523119N 0850154E | BIYSK SOLID MOTOR TEST AREA 2 TEST PREP | UR | S086906 |
| 523119N 0850154E | BIYSK SOLID MOTOR TEST AREA 2 RKT MTR TESTING | UR | S086902 |
| 524827N 1032930E | MALTA BW STORAGE FACILITY POSS U/C HARDENING | UR | S087043 |
| 522131N 1041216E | IRKUTSK AIRFRAME PLANT 39 CHECKOUT HANGAR NEW | UR | S087022 |
| 525455N 1582952E | PETROPAVLOVSK SUBMARINE BASE/RPR YD D-3 SSBN | UR | S087129 |
| 525455N 1582952E | PETROPAVLOVSK SUBMARINE BASE/RPR YD D-3 SSBN | UR | |
| 525653N 1582258E | PETROPAVLOVSK NAVAL MISSILE STORAGE | UR | S087013 |
| 525743N 1584117E | PETROPAVLOVSK SHIPYARD 412 | UR | S087186 |
| 525911N 1583932E | PETROPAVLOVSK NAVAL BASE RAKOVAYA GUBA NORTH | UR | S087191 |

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|------------------|---------------------------------|----|---------|
| 535539N 0151054E | GRYFICE AMMUNITION STORAGE AREA | PL | S087305 |
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|------------------|--|----|---------|
| 533047N 0265525E | NOVAYA MEZINOVKA MISSILE SUPT REAR DPO SS-20 | UR | S087056 |
| 534626N 0273442E | MINSK/MACHULISHCHE AIRFIELD BLINDER/AS-4 DPL | UR | S087294 |
| 534626N 0273442E | MINSK/MACHULISHCHE AIRFIELD BLINDER/AS-4 DPL | UR | |

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|------------------|--|----|---------|
| 533215N 0495116E | KURUMOCH ROCKET ENGINE TEST FAC TWO-TONE TKS | UR | S086810 |
| 543150N 0203620E | KALININGRAD/YEZAU STORAGE DEPOT | UR | S086613 |
| 542300N 0264000E | SMORGON IRBM REGIMENTAL HQ RADCOM XMTR STA | UR | S086814 |

TOP SECRET CHESS RUFF

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TOP SECRET CHESS RUFF

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| COORD | SUBJECT | COUN | ACCN NO. |
|------------------|---|------|----------|
| 543151N 0261723E | SMORGON MOBILE IRBM BASE 1 COMMAND CNTRL FACS | UR | |
| 543120N 0261720E | SMORGON IRBM REGIMENTAL HQ RADIO RCVR ABND | UR | |
| 543202N 0261747E | SMORGON IRBM REGIMENTAL COMMAND POST BUNKERED | UR | |
| 544441N 0320405E | SMOLENSK AIRFIELD SOUTH | UR | S087457 |
| 545700N 0392110E | BELOOMUT SPACE TRKG FACIL A/C TEST LANE ASSOC | UR | S087375 |
| [REDACTED] | | | |
| 545556N 0732329E | OMSK TANK PLANT VOROSHILOV 174 TANK NEW PROB | UR | S087256 |
| [REDACTED] | | | |
| 550941N 0265346E | POSTAVY MOBILE IRBM BASE COMMAND CONTROL FACS | UR | S086814 |
| [REDACTED] | | | |
| 554415N 0373700E | MOSKVA MISSILE DESIGN BUREAU OKB16 | UR | S086790 |
| 553226N 0382941E | KUZNETSOVO AIRCRAFT/MISSILE ENGINE TEST FAC | UR | S087114 |
| 553226N 0382941E | KUZNETSOVO AIRCRAFT/MISSILE ENGINE TEST FAC | UR | |
| 553418N 0380923E | RAMENSKOYE FLIGHT TEST CTR CHARGER DISMANTLED | UR | S087021 |
| 553418N 0380923E | RAMENSKOYE FLIGHT TEST CTR BACKFIRE B MODIF | UR | S087019 |
| 555248N 0380347E | MOSKVA/SHCHELKOVO AIRFIELD TASM NEW IDENT | UR | S087065 |
| 555248N 0380347E | MOSKVA/SHCHELKOVO AIRFIELD TASM NEW IDENT | UR | |
| 550530N 0393130E | RADOVITSY OPTICAL TRACKING FAC A/C TEST ASSOC | UR | S087375 |
| 550530N 0393130E | RADOVITSY OPTICAL TRACKING FAC A/C TEST ASSOC | UR | |
| [REDACTED] | | | |
| 552409N 0651257E | KURGAN MEDICINAL PREPARATIONS PLANT HARDENED | UR | S087043 |

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| COORD | SUBJECT | COUN | ACCN NO. |
|------------------|---|------|----------|
| 552409N 0651257E | KURGAN MEDICINAL PREPARATIONS PLANT | UR | S087057 |
| 550944N 0825615E | NOVOSIBIRSK ICBM HQ RADCOM TRANSMITTER STA | UR | S086814 |
| 550918N 0825700E | NOVOSIBIRSK ICBM COMPLEX COMMAND POST BKR | UR | |
| 551621N 0825853E | NOVOSIBIRSK ICBM HQ RADCOM RECEIVER BKR HARD | UR | |
| 551904N 0831001E | NOVOSIBIRSK MOBILE IRBM BASE 1 COMD CNTRL FAC | UR | |
| 552215N 0831401E | NOVOSIBIRSK MOBILE IRBM BASE 2 COMMAND CNTRL | UR | |
| 551557N 0894434E | UZHUR ICBM RTP SS-18 SHIPPING CONTAINERS POSS | UR | S087257 |

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|------------------|---|----|---------|
| 561700N 0424639E | YAROSLAVSKAYA GRUPPA POL STORAGE FACILITY | UR | S087433 |
| 560620N 0430330E | GORBATOV RADIO RELAY STATION | UR | S086619 |
| 560100N 0444930E | LYSKOVO RADIO RELAY STATION WEST | UR | S087462 |

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|------------------|---|----|---------|
| 564900N 0603900E | SVERDLOVSK OPTICAL EQUIPMENT PLANT 217 | UR | S086813 |
| 561419N 0921918E | GLADKAYA ICBM COMPLEX CP BKR COMD CNTRL FACS | UR | S086814 |
| 561544N 0921645E | GLADKAYA ICBM HQ RADCOM RCVR STA COMD CONTROL | UR | |
| 562027N 0921956E | GLADKAYA ICBM SITE 3 DISMANTLED | UR | |
| 562459N 0922702E | GLADKAYA ICBM SITE 2 DEACTIVATED | UR | |
| 560927N 0930036E | GLADKAYA ICBM HQ RADCOM XMTR STA COMD CONTROL | UR | |
| 561540N 0933135E | DODONOVO MISSILE + SPACE COMPONENTS PLANT | UR | S086809 |
| 561540N 0933135E | DODONOVO MISSILE + SPACE COMPONENTS PLANT | UR | |
| 570302N 0240146E | RIGA NAVAL BASE + SHIPYARD BOLDERAJA | UR | S087194 |
| 570302N 0240146E | RIGA NAVAL BASE + SHIPYARD BOLDERAJA | UR | |

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|------------------|--------------------------------|----|---------|
| 570923N 0391655E | ROSTOV RADIO RELAY STATION WSW | UR | S086617 |
| 570940N 0391800E | ROSTOV RADIO RELAY STATION SW | UR | |

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TOP SECRET CHESS RUFF

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TOP SECRET CHESS RUFF

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| COORD | SUBJECT | COUN | ACCN NO. |
|------------------|---|------|----------|
| 575339N 0601106E | VERKHNYAYA SALDA ICBM HQ RADCOM TRANSMITTER | UR | S086814 |
| 5712 N 16133 E | KAMCHATKA MISSILE IMPACT AREAS CRATERS | UR | S086795 |
| 584400N 0493130E | YURYA ICBM HEADQUARTERS RDO RELAY/RADCOM XMTR | UR | S086814 |
| [REDACTED] | | | |
| 580215N 0602250E | VERKHNYAYA SALDA ICBM COMPLEX HQ BUNKERED | UR | S086814 |
| 580426N 0602441E | VERKHNYAYA SALDA ICBM HQ RECEIVER BKR HARD | UR | |
| 580818N 0603213E | VERKHNYAYA SALDA MOBILE IRBM BASE 1 | UR | |
| 594716N 0303754E | KOLPINO SHIPYARD MIDDLE NEVA | UR | S087195 |
| 595518N 0301539E | LENINGRAD SHIPYARD BALTIYSK 189A CL NAVAL AUX | UR | S086604 |
| 595518N 0301539E | LENINGRAD SHIPYARD BALTIYSK 189A CLASS AG | UR | S087038 |
| 595502N 0301618E | LENINGRAD SHIPYARD ADMIRALTY ENVRNMTL SHELTER | UR | S086623 |
| 595736N 0301512E | LENINGRAD SHIPYARD PETROVSKIY CONST PROGRAM | UR | S087272 |
| 590329N 0491658E | YURYA ICBM COMPLEX COMMAND POST BUNKERED | UR | S086814 |
| 590615N 0491800E | YURYA ICBM HEADQUARTERS RADCOM RECEIVER STA | UR | |
| 590611N 0494531E | YURYA MOBILE IRBM BASE 1 | UR | |
| 601430N 0294420E | ZELENOGORSK AW RADAR FACILITY | UR | S086801 |
| 625746N 0402346E | PLESETS K MTC GUIDANCE RELATED FACILITIES | UR | S086802 |
| 645710N 0343433E | KEM MILITARY BARRACKS AL3 MTRZD RIFLE REGT | UR | S087070 |
| 643420N 0394551E | SEVERODVINSK NAVAL BASE WEST | UR | S087193 |
| 643438N 0394832E | SEVERODVINSK SHIPYARD A SSN PRESSURE HULL CF | UR | S086621 |
| 643438N 0394832E | SEVERODVINSK SHIPYARD 402 COVERED TRANSVERSER | UR | S086900 |
| 643438N 0394832E | SEVERODVINSK SHIPYARD 402 PRESSURE HULL U/C | UR | S086901 |
| 643438N 0394832E | SEVERODVINSK SHIPYARD 402 PRESSURE HULL CRTS | UR | S086625 |

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TOP SECRET CHESS RUFF

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| COORD | SUBJECT | COUN | ACCN NO. |
|------------------|---|------|----------|
| 643438N 0394832E | SEVERODVINSK SHIPYARD A SSN PRESSURE HULL CF | UR | S086621 |
| [REDACTED] | | | |
| 643438N 0394832E | SEVERODVINSK SHIPYARD 402 D-3 SSBN UNIT 10 | UR | S087131 |
| 665805N 0302027E | ALAKURTTI ARMY BARRACKS AL1 MRR + ARTY REGT | UR | S087070 |
| 671019N 0322523E | KANDALAKSHA MILITARY BKS AL2/HQ MRD MRR IDENT | UR | |
| 673945N 0530900E | NARYAN MAR AIRFIELD AD HQ TALL KING RADAR FAC | UR | S086797 |
| 673330N 0640941E | VORKUTA ESV TRACKING FACILITY BOW + ARROW | UR | S086811 |
| 693803N 0312213E | PECHENGA SUBMARINE BASE LINAKHAMARI | UR | S087192 |
| 694500N 0614400E | AMDERMA AIR DEFENSE HQ TALL KING EW RADAR FAC | UR | S086797 |
| 220315N 0802640W | PUNTA MOVIDA NAVAL FACILITY F/W CL SS IDENT | CU | S087291 |
| 172230S 0141230E | RUACANA FALLS DAM CUNENE RIVER HOSTILITIES | AO | S087295 |
| [REDACTED] | | | |
| 295230S 0310230E | DURBAN PORT FACILS RESHEF CLASS PGG SSM ARMED | SF | S087290 |
| 295230S 0310230E | DURBAN PORT FACILS RESHEF CLASS PGG SSM ARMED | SF | |
| 055500S 0350900W | BARREIRA DO INFERNO ROCKET TEST RANGE | BR | S087116 |

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TOP SECRET CHESS RUFF

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PART V

Listing of Reports by WAC/BE Number

TOP SECRET CHESS RUFF

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WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

AMDERMA AIR DEFENSE HQ TALL KING EW RADAR FAC
PECHENGA SUBMARINE BASE LINAKHAMARI

694500N 0614400E UR S086797
693803N 0312213E UR S087192

KEM MILITARY BARRACKS AL3 MTRZD RIFLE REGT
KANDALAKSHA MILITARY BKS AL2/HQ MRD MRR IDENT
ALAKURTTI ARMY BARRACKS AL1 MRR + ARTY REGT

645710N 0343433E UR S087070
671019N 0322523E UR
665805N 0302027E UR

SEVERODVINSK SHIPYARD 402 D-3 SSBN UNIT 10

643438N 0394832E UR S087131

SEVERODVINSK SHIPYARD 402 PRESSURE HULL CRTS

643438N 0394832E UR S086625

SEVERODVINSK SHIPYARD A SSN PRESSURE HULL CF
SEVERODVINSK SHIPYARD A SSN PRESSURE HULL CF

643438N 0394832E UR S086621
643438N 0394832E UR

SEVERODVINSK SHIPYARD 402 COVERED TRANSVERSER

643438N 0394832E UR S086900

SEVERODVINSK SHIPYARD 402 PRESSURE HULL U/C

643438N 0394832E UR S086901

SEVERODVINSK NAVAL BASE WEST

643420N 0394551E UR S087193

NARYAN MAR AIRFIELD AD HQ TALL KING RADAR FAC

673945N 0530900E UR S086797

VORKUTA ESV TRACKING FACILITY BOW + ARROW

673330N 0640941E UR S086811

PLESETSK MTC GUIDANCE RELATED FACILITIES

625746N 0402346E UR S086802

ZELENOGORSK AW RADAR FACILITY

601430N 0294420E UR S086801

RIGA NAVAL BASE + SHIPYARD BOLDERAJA
RIGA NAVAL BASE + SHIPYARD BOLDERAJA

570302N 0240146E UR S087194
570302N 0240146E UR

LENINGRAD SHIPYARD PETROVSKIY CONST PROGRAM

595736N 0301512E UR S087272

LENINGRAD SHIPYARD ADMIRALTY ENVRNMTL SHELTER

595502N 0301618E UR S086623

KOLPINO SHIPYARD MIDDLE NEVA

594716N 0303754E UR S087195

LENINGRAD SHIPYARD BALTIYSK 189A CLASS AG

595518N 0301539E UR S087038

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TOP SECRET CHESS RUFF

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TOP SECRET CHESS RUFF

| SUBJECT | IDHS CODE | COORD | COUN | ACCN NO. |
|---|-----------|------------------|------|----------|
| LENINGRAD SHIPYARD BALTIYSK 189A CL NAVAL AUX | | 595518N 0301539E | UR | S086604 |
| GORBATOV RADIO RELAY STATION | | 560620N 0430330E | UR | S086619 |
| ROSTOV RADIO RELAY STATION WSW | | 570923N 0391655E | UR | S086617 |
| [REDACTED] | | | | |
| YAROSLAVSKAYA GRUPPA POL STORAGE FACILITY | | 561700N 0424639E | UR | S087433 |
| [REDACTED] | | | | |
| ROSTOV RADIO RELAY STATION SW | | 570940N 0391800E | UR | S086617 |
| [REDACTED] | | | | |
| YURYA MOBILE IRBM BASE 1 | | 590611N 0494531E | UR | S086814 |
| [REDACTED] | | | | |
| YURYA ICBM COMPLEX COMMAND POST BUNKERED | | 590329N 0491658E | UR | S086814 |
| YURYA ICBM HEADQUARTERS RADCOM RECEIVER STA | | 590615N 0491800E | UR | |
| LYSKOVO RADIO RELAY STATION WEST | | 560100N 0444930E | UR | S087462 |
| YURYA ICBM HEADQUARTERS RDO RELAY/RADCOM XMTR | | 584400N 0493130E | UR | S086814 |
| VERKHNYAYA SALDA MOBILE IRBM BASE 1 | | 580818N 0603213E | UR | |
| VERKHNYAYA SALDA ICBM COMPLEX HQ BUNKERED | | 580215N 0602250E | UR | |
| VERKHNYAYA SALDA ICBM HQ RECEIVER BKR HARD | | 580426N 0602441E | UR | |
| VERKHNYAYA SALDA ICBM HQ RADCOM TRANSMITTER | | 575339N 0601106E | UR | |
| [REDACTED] | | | | |
| SVERDLOVSK OPTICAL EQUIPMENT PLANT 217 | | 564900N 0603900E | UR | S086813 |
| DODONOVO MISSILE + SPACE COMPONENTS PLANT | | 561540N 0933135E | UR | S086809 |
| DODONOVO MISSILE + SPACE COMPONENTS PLANT | | 561540N 0933135E | UR | |
| GLADKAYA ICBM SITE 2 DEACTIVATED | | 562459N 0922702E | UR | S086814 |
| GLADKAYA ICBM SITE 3 DISMANTLED | | 562027N 0921956E | UR | |

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| SUBJECT | IDHS CODE | COORD | COUN | ACCN NO. |
|---|-----------|------------------|------|----------|
| GLADKAYA ICBM COMPLEX CP BKR COMD CNTRL FACS | | 561419N 0921918E | UR | |
| GLADKAYA ICBM HQ RADCOM XMTR STA COMD CONTROL | | 560927N 0930036E | UR | |
| GLADKAYA ICBM HQ RADCOM RCVR STA COMD CONTROL | | 561544N 0921645E | UR | |
| UZHUR ICBM RTP SS-18 SHIPPING CONTAINERS POSS | | 551557N 0894434E | UR | S087257 |
| BIYSK ARMY TRAINING AREA TA1 | | 523036N 0852110E | UR | S087177 |
| BIYSK SOLID MOTOR TEST AREA 2 RKT MTR TESTING | | 523119N 0850154E | UR | S086902 |
| BIYSK SOLID MOTOR TEST AREA 2 TEST PREP | | 523119N 0850154E | UR | S086906 |
| NOVOSIBIRSK ICBM HQ RADCOM TRANSMITTER STA | | 550944N 0825615E | UR | S086814 |
| NOVOSIBIRSK ICBM COMPLEX COMMAND POST BKR | | 550918N 0825700E | UR | |
| NOVOSIBIRSK ICBM HQ RADCOM RECEIVER BKR HARD | | 551621N 0825853E | UR | |

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|---|--|------------------|----|---------|
| NOVOSIBIRSK MOBILE IRBM BASE 1 COMD CNTRL FAC | | 551904N 0831001E | UR | S086814 |
| NOVOSIBIRSK MOBILE IRBM BASE 2 COMMAND CNTRL | | 552215N 0831401E | UR | |

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| OMSK TANK PLANT VOROSHILOV 174 TANK NEW PROB | | 545556N 0732329E | UR | S087256 |
| KURGAN MEDICINAL PREPARATIONS PLANT | | 552409N 0651257E | UR | S087057 |
| KURGAN MEDICINAL PREPARATIONS PLANT HARDENED | | 552409N 0651257E | UR | S087043 |

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|---|--|------------------|----|---------|
| KURUMOCH ROCKET ENGINE TEST FAC TWO-TONE TKS | | 533215N 0495116E | UR | S086810 |
| BELOOMUT SPACE TRKG FACIL A/C TEST LANE ASSOC | | 545700N 0392110E | UR | S087375 |

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TOP SECRET CHESS RUFF

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| SUBJECT | IDHS CODE | COORD | COUN | ACCN NO. |
|---|-----------|------------------|------|----------|
| [REDACTED] | | | | |
| KUZNETSOVO AIRCRAFT/MISSILE ENGINE TEST FAC | | 553226N 0382941E | UR | S087114 |
| KUZNETSOVO AIRCRAFT/MISSILE ENGINE TEST FAC | | 553226N 0382941E | UR | |
| MOSKVA MISSILE DESIGN BUREAU OKB16 | | 554415N 0373700E | UR | S086790 |
| RAMENSKOYE FLIGHT TEST CTR CHARGER DISMANTLED | | 553418N 0380923E | UR | S087021 |
| RAMENSKOYE FLIGHT TEST CTR BACKFIRE B MODIF | | 553418N 0380923E | UR | S087019 |
| [REDACTED] | | | | |
| GOMEL TV CENTER | | 522602N 0310043E | UR | S087373 |
| KLINTSY TV RELAY STATION | | 524435N 0321435E | UR | |
| SMOLENSK AIRFIELD SOUTH | | 544441N 0320405E | UR | S087457 |
| MOSKVA/SHCHELKOVO AIRFIELD TASM NEW IDENT | | 555248N 0380347E | UR | S087065 |
| MOSKVA/SHCHELKOVO AIRFIELD TASM NEW IDENT | | 555248N 0380347E | UR | |
| KOBRIN RADIO RELAY STATION | | 521705N 0242900E | UR | S087373 |
| PINSK RADIO RELAY STATION | | 521045N 0260330E | UR | |
| ANTOPOL RADIO RELAY STATION | | 521235N 0244610E | UR | |
| SMORGON MOBILE IRBM BASE 1 COMMAND CNTRL FACS | | 543151N 0261723E | UR | S086814 |
| ZHITKOVICHI RADIO RELAY STATION PROB | | 521315N 0275052E | UR | S087373 |
| IVANOVNO RADIO RELAY STATION | | 520730N 0253338E | UR | |
| PAROKHONSK RADIO RELAY STATION | | 521330N 0262755E | UR | |
| SINKEVICHI RADIO RELAY STATION | | 521305N 0271518E | UR | |
| NOVAYA MEZINOVKA MISSILE SUPT REAR DPO SS-20 | | 533047N 0265525E | UR | S087056 |
| KONKOVICHI MRBM REGIMENTAL HQ RECEIVER BKR | | 521049N 0283613E | UR | S086814 |
| [REDACTED] | | | | |
| BREST RADIO RELAY/TV/FM BDCSTG CTR ROKINITSA | | 520812N 0235857E | UR | S087373 |

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| SUBJECT | IDHS CODE | COORD | COUN | ACCN NO. |
|---|-----------|------------------|------|----------|
| SMORGON IRBM REGIMENTAL HQ RADCOM XMTR STA | | 542300N 0264000E | UR | S086814 |
| MOZYR MRBM DIVISION COMMAND POST BUNKERED | | 520428N 0290641E | UR | |
| MOZYR MRBM DIVISION HQ RADCOM RCVR BKR HARD | | 520424N 0290645E | UR | |
| MOZYR MRBM DIVISION HQ RADCOM TRANSMITTER STA | | 520542N 0291658E | UR | |
| KOZHANOVICHI MRBM REGIMENTAL HQ RADCOM XMTR | | 521602N 0280521E | UR | |
| SMORGON IRBM REGIMENTAL HQ RADIO RCVR ABND | | 543120N 0261720E | UR | |
| SMORGON IRBM REGIMENTAL COMMAND POST BUNKERED | | 543202N 0261747E | UR | |
| KOZHANOVICHI MRBM REGIMENTAL HQ RADCOM RCVR | | 521100N 0274800E | UR | |
| KONKOVICHI MRBM REGIMENTAL COMMAND POST BKR | | 521036N 0283441E | UR | |
| MOZYR MOBILE IRBM BASE + TRNG FAC COMD CNTRL | | 520210N 0291108E | UR | |
| KONKOVICHI MOBILE IRBM BASE COMMAND CNTRL FAC | | 521040N 0283445E | UR | |
| KOZHANOVICHI MOBILE IRBM BASE COMD CNTRL FAC | | 521127N 0274843E | UR | |
| POSTAVY MOBILE IRBM BASE COMMAND CONTROL FACS | | 550941N 0265346E | UR | |
| BOBROVICHI AIRFIELD AIRCRAFT SHELTERS | | 521649N 0292126E | UR | S087458 |
| MINSK/MACHULISHCHE AIRFIELD BLINDER/AS-4 DPL | | 534626N 0273442E | UR | S087294 |
| MINSK/MACHULISHCHE AIRFIELD BLINDER/AS-4 DPL | | 534626N 0273442E | UR | |
| PETROPAVLOVSK SHIPYARD 412 | | 525743N 1584117E | UR | S087186 |
| PETROPAVLOVSK NAVAL MISSILE STORAGE | | 525653N 1582258E | UR | S087013 |
| PETROPAVLOVSK NAVAL BASE RAKOVAYA GUBA NORTH | | 525911N 1583932E | UR | S087191 |
| PETROPAVLOVSK SUBMARINE BASE/RPR YD D-3 SSBN | | 525455N 1582952E | UR | S087129 |
| PETROPAVLOVSK SUBMARINE BASE/RPR YD D-3 SSBN | | 525455N 1582952E | UR | |
| IRKUTSK AIRFRAME PLANT 39 CHECKOUT HANGAR NEW | | 522131N 1041216E | UR | S087022 |
| MALTA BW STORAGE FACILITY POSS U/C HARDENING | | 524827N 1032930E | UR | S087043 |

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| SUBJECT | IDHS CODE | COORD | COUN | ACCN NO. |
|---|-----------|------------------|------|----------|
| DARASUN RADIO RELAY STATION | | 514100N 1135000E | UR | S087461 |
| DROVYANAYA MOBILE IRBM BASE 5 U/C SS-20 ASSOC | | 512411N 1125158E | UR | S087125 |
| DROVYANAYA ICBM HQ RADCOM RECEIVER BKR HARD | | 513141N 1130356E | UR | S086814 |
| DROVYANAYA ICBM HQ RADCOM XMTR STATION BKR | | 513741N 1133859E | UR | |
| CHOYBALSAN MILITARY STORAGE DPO DX1 ABANDONED | | 480638N 1143411E | MG | S087302 |
| DROVYANAYA MOBILE IRBM BASE 1 COMD CNTRL FAC | | 512718N 1130402E | UR | S086814 |
| DROVYANAYA MOBILE IRBM BASE 2 COMD CNTRL FAC | | 512021N 1130114E | UR | |
| DROVYANAYA MOBILE IRBM BASE 3 COMD CNTRL FAC | | 512558N 1130305E | UR | |
| BELOGORSK AIR DEPOT WEST GSE | | 505429N 1282712E | UR | S087459 |
| BELOGORSK ARMY BARRACKS AL1/HEADQUARTERS MRD | | 505413N 1282858E | UR | S087133 |
| TOMICHI MILITARY BKS AL1/HQ ARTY DIV FLD GUN | | 504622N 1281452E | UR | S087134 |
| KHABAROVSK SHIPYARD AMURFLOT | | 483440N 1350206E | UR | S087190 |
| SOVETSKAYA GAVAN NAVAL BASE + SHIPYARD 263 | | 485738N 1401623E | UR | S087010 |
| SOVETSKAYA GAVAN NAVAL BASE + SHIPYARD 263 | | 485738N 1401623E | UR | |
| KHABAROVSK MILITARY BARRACKS AL1 + HQ MRD | | 482815N 1350610E | UR | S087178 |
| SOVETSKAYA GAVAN SHIP REPAIR YARD BYAUDE | | 490038N 1401438E | UR | S087011 |
| KHABAROVSK NAVAL BASE OSTROV ZAYACHYI | | 483430N 1350150E | UR | S087015 |
| KHABAROVSK ARMY BARRACKS AL30 | | 482134N 1350333E | UR | S087179 |
| ANASTASYEVKA ARMY BARRACKS AL1/TRNG AREA TA1 | | 483432N 1353720E | UR | S087180 |
| ANASTASYEVKA ARMY BARRACKS AL1/TRNG AREA TA1 | | 483432N 1353720E | UR | |
| LEONIDOVO MILITARY BARRACKS AL2/HQ MRD | | 491640N 1425136E | UR | S087306 |
| GASTELLO ARMY BARRACKS AL1 | | 490610N 1425700E | UR | S087181 |
| GASTELLO ARMY BARRACKS AL1 | | 490610N 1425700E | UR | S087301 |
| RAKOVNIK MILITARY BARRACKS + VEHICLE PARK | | 500555N 0134540E | CZ | S087271 |
| RAKOVNIK MILITARY BARRACKS + VEHICLE PARK | | 500555N 0134540E | CZ | |

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TOP SECRET CHESS RUFF

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WAC/BE SUBJECT IDHS CODE COORD COUN ACCN NO.

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PLZEN ARMY BKS NA SLOVANECH SE 3 SP GUNS NEW

494313N 0132423E CZ S086897

25X1

KRZYSTKOWICE AMMUNITION DEPOT NW

514843N 0151140E PL S087436

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LVOV ELECTRONICS DEPOT NE
 DUBNICA NAD VAHOM METALLURGICAL PLT TRT POSS
 DUBNICA NAD VAHOM METALLURGICAL PLT TRT POSS
 NOVAKY AMMUNITION + GENERAL DEPOT
 GLIWICE AMMUNITION STORAGE FACILITY 514
 KOVEL RADIO RELAY + TV RELAY STATION
 MUKACHEVO ARMY BARRACKS AL7
 PILAWA MILITARY STORAGE FACILITY

495140N 0240440E UR S087245
 485800N 0181114E CZ S087018
 485800N 0181114E CZ
 484533N 0183157E CZ S087244
 501800N 0183757E PL S087303
 511200N 0244010F UR S087373
 481847N 0223047E UR S087300
 515644N 0213203E PL S087234

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| SUBJECT | IDHS CODE | COORD | COUN | ACCN NO. |
|---|-----------|------------------|------|----------|
| OLSHANITSA ORDNANCE DEPOT D01 | | 493730N 0304000E | UR | S087434 |
| KOROSTEN ARMY BARRACKS LUGINY AL3 | | 510531N 0282251E | UR | S087030 |
| KOROSTEN ARMY BARRACKS AL1 + SAM SUPPORT UNIT | | 505624N 0283850E | UR | |
| OVRUCH RAILROAD YARD SS-21 TEL/RESUPPLY VEH | | 511934N 0284908E | UR | S087293 |
| OVRUCH RAILROAD YARD SS-21 TEL/RESUPPLY VEH | | 511934N 0284908E | UR | |
| OVRUCH ARMY BARRACKS AL1 + HQ TANK DIVISION | | 511947N 0284744E | UR | S087030 |
| KIYEV ENGINEER DEPOT WEST DE1 | | 502645N 0302325E | UR | S087460 |
| YELSK MRBM REGIMENTAL HQ RADCOM RCVR BKR HARD | | 514256N 0291224E | UR | S086814 |
| | | | | |
| DERAZHNYA ICBM COMPLEX SUPT FAC TYPE 3G SILO | | 492205N 0270914E | UR | S086894 |
| YELSK MRBM REGIMENTAL COMMAND POST BKR SEARCH | | 514654N 0291729E | UR | S086814 |
| KORSUN SHEVCHENKOVSKIY RADIO RELAY STATION | | 492410N 0311600E | UR | S087418 |
| ZHITOMIR AIRFIELD | | 501635N 0284344E | UR | S087456 |
| VORONEZH RADIO RELAY + TV CENTER | | 514025N 0391146E | UR | S087374 |
| DNEPROPETROVSK TV + FM BROADCASTING CENTER | | 482655N 0350120E | UR | S087419 |
| KHARKOV AVTOKOLONNA 2251 | | 495712N 0360822E | UR | S087236 |
| KAPUSTIN YAR MTC SS-20 TRNG SS-16/20 EQUIP CF | | 484640N 0460310E | UR | S087292 |
| KAPUSTIN YAR MTC SS-20 TRNG SS-16/20 EQUIP CF | | 484640N 0460310E | UR | |
| KAPUSTIN YAR MTC SS-20 TRNG SS-16/20 EQUIP CF | | 484640N 0460310E | UR | |
| | | | | |
| MAKAT FAD-741 EMITTER BIG BAR RADAR DESTROYED | | 480319N 0534334E | UR | S086903 |
| TYURATAM MTC TRACKING FACILITY 5 BOW + ARROW | | 515333N 0672113E | UR | S086811 |

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| SUBJECT | IDHS CODE | COORD | COUN | ACCN NO. |
|---|-----------|------------------|------|----------|
| KARAGANDA AVTOKOLONNA 2582 | | 494710N 0730455E | UR | S087237 |
| RUBTSOVSK ARMORED VEHICLE TEST FACILITY | | 514130N 0811200E | UR | S087268 |
| SEMIPALATINSK ARMY BARRACKS AL1/HQ ARTY DIV | | 502310N 0801100E | UR | S087176 |
| SEMIPALATINSK AVTOKOLONNA 2584 | | 502644N 0801417E | UR | S087242 |
| SARY SHAGAN MTC COMPLEX F ABM LAUNCH PREP | | 462629N 0725108E | UR | S086899 |
| TYURATAM MTC CONST ACT P2 RWY SPACE ASSOC U/C | | 460302N 0631351E | UR | S086907 |
| TYURATAM MTC RANGEHEAD TRKG FACIL BOW + ARROW | | 454230N 0632020E | UR | S086811 |
| TYURATAM MTC SPACE SITE B1 LAUNCH PREPARATION | | 455950N 0633348E | UR | S087287 |
| TYURATAM MTC SPACE SITE B1 GUIDANCE FACILS | | 455950N 0633348E | UR | S086800 |
| TYURATAM MTC SPACE SITE G1A/B SL-11 ERECTED | | 460454N 0625555E | UR | S087126 |
| TYURATAM MTC SPACE SITE G3/4 SL-12/13 SLV | | 460423N 0625849E | UR | S087289 |
| AZGIR NUCLEAR TEST SITE GORE SECTIONS | | 475244N 0475308E | UR | S086798 |
| VOROVSKOLESSKAYA RADIO RELAY STATION | | 441750N 0422000E | UR | S087534 |
| ROSTOV AIRFRAME PLANT 168 HIND D MI-24 MODIF | | 471516N 0394318E | UR | S087036 |
| FEODOSIYA SHIPYARD YUZNAYA TOCHKA YUZH B ACV | | 450711N 0352953E | UR | S086908 |
| STARYY KRYM ORDNANCE DEPOT D01 NAV STGE POSS | | 450130N 0350820E | UR | S087307 |
| STARYY KRYM ORDNANCE DEPOT D01 NAV STGE POSS | | 450130N 0350820E | UR | |
| ARMAVIR AVTOKOLONNA 1715 | | 445855N 0410640E | UR | S087241 |
| BERDYANSK AIRFIELD HELICOPTER ASSAULT REGT | | 464903N 0364532E | UR | S087262 |
| TAGANROG AIRFIELD TAG A AERODYNAMIC VEH MODIF | | 471155N 0385055E | UR | S087029 |

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| SUBJECT | IDHS CODE | COORD | COUN | ACCN NO. |
|---|-----------|------------------|------|----------|
| PRIMORSKIY HELIPIRT HIND MI-24 IDENTIFICATION | | 450750N 0353130E | UR | S087028 |
| KHERSON SHIPYARD KUYBYSHEV | | 463715N 0323630E | UR | S087199 |
| NIKOLAYEV SHIPYARD NORTHERN 61 445F CLASS NEW | | 465840N 0320019E | UR | S087037 |
| KHERSON SHIPYARD | | 463647N 0323534E | UR | S087198 |
| HANU CONACHE AMMUNITION DEPOT 4 | | 453513N 0273403E | RO | S087251 |
| PERVOMAYSK SSM CPLX IRBM SITE 1 NUC WHD HDLG | | 475805N 0305304E | UR | S086804 |
| ODESSA ARMY BARRACKS SVRDLOVO AL12 | | 463504N 0305608E | UR | S087267 |
| ODESSA MILITARY TRAINING AREA 1 | | 463615N 0305730E | UR | |
| SEVASTOPOL ARMY SUPPLY DEPOT DX2 | | 443458N 0332835E | UR | S087238 |
| SEVASTOPOL ORDNANCE DEPOT D02 | | 443833N 0333544E | UR | S087246 |
| SEVASTOPOL MILITARY SUPPLY DEPOT DX2 | | 443232N 0333510E | UR | S087299 |
| OCHAKOV NAVAL BASE | | 463700N 0313300E | UR | S087197 |
| VESELOYE AMMUNITION DEPOT DA1 | | 453252N 0341640E | UR | S087308 |
| KISHINEV MILITARY STORAGE DEPOT DX1 | | 470250N 0284940E | UR | S087222 |
| NIKOLAYEV VEHICLE STGE FAC D01 SA-2 SUPT PROB | | 465953N 0320059E | UR | S087233 |
| NIKOLAYEV VEHICLE STGE FAC D01 SA-2 SUPT PROB | | 465953N 0320059E | UR | |
| BACAU AIRFRAME PLANT | | 463120N 0265510E | RO | S087122 |
| ORKENY ARMY BARRACKS TABOR 1 | | 470503N 0192716E | HU | S087264 |
| ORASTIE AMMUNITION DEPOT 502 | | 455012N 0231002E | RO | S087223 |
| PLOPONI AMMUNITION DEPOT NORTH | | 450455N 0255911E | RO | S087240 |

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GYOR ARMY BARRACKS DOBI ISTVAN 25

474233N 0174103E HU S087266

TAPOLCA AIRFIELD DUMMY FISHBED

465215N 0172435E HU S087260

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| SUBJECT | IDHS CODE | COORD | COUN | ACCN NO. |
|---|-----------|------------------|------|----------|
| TAPOLCA AIRFIELD DUMMY FISHBED | | 465215N 0172435E | HU | |
| KORSAKOV NAVAL BASE | | 463801N 1424551E | UR | S087014 |
| YUZHNO SAKHALINSK MILITARY BKS AL1 + HQ MRD | | 465904N 1424516E | UR | S087183 |
| YUZHNO SAKHALINSK ARMY BKS AL9/TRNG AREA TA1 | | 465600N 1423700E | UR | S087182 |
| YUZHNO SAKHALINSK ARMY BKS AL9/TRNG AREA TA1 | | 465600N 1423700E | UR | |
| VARFOLOMEYEVKA AIRFIELD SOUTH FISHBED/FOXBAT | | 441554N 1332508E | UR | |
| SUMBER SUMA MILITARY STORAGE DEPOT DX1 | | 462250N 1082215E | MG | S087252 |
| ULAANBAATAR AMMUNITION DEPOT DA1 | | 475540N 1070315E | MG | S087239 |
| ULAANBAATAR MOTOR PARK WEST | | 475430N 1064630E | MG | S087304 |
| SHUANGCHENGZU MTC SSM SITE A ELCT EQUIPMENT | | 411653N 1001816E | CH | S086789 |
| SHUANGCHENGZU MTC ICBM SITE B1/2 ELCT EQUIP | | 411828N 1001854E | CH | |
| SHUANGCHENGZU MTC ICBM SITE B1/2 LAUNCH PREP | | 411828N 1001854E | CH | S086896 |
| SHUANGCHENGZU MTC ICBM PAD B2 AZIMUTH MARKER | | 411828N 1001854E | CH | S087273 |
| SHENYANG AIRFRAME PLANT 112 FARMER MODIFIED | | 415208N 1232600E | CH | S087024 |
| SHENYANG AIRFRAME PLANT 112 FARMER F F-9 PROD | | 415208N 1232600E | CH | S087027 |
| VLADIVOSTOK SUBMARINE BASE ULISA GUBA G CLASS | | 430449N 1315506E | UR | S087285 |
| VLADIVOSTOK NAVAL BASE + REPAIR YARD DIOMID | | 430530N 1315340E | UR | S087187 |
| VLADIVOSTOK NAVAL BASE + REPAIR YARD DIOMID | | 430530N 1315340E | UR | |
| SMOLYANINOVO ARMY BARRACKS AL1 MRD DEPARTURE | | 431808N 1322816E | UR | S087286 |
| VLADIVOSTOK NAVAL INFANTRY INSTALLATION 1 | | 430910N 1315830E | UR | S087188 |
| STRELOK ZALIV NAVAL MISSILE STORAGE 2 | | 425331N 1323327E | UR | S087012 |
| SLAVYANKA SHIP REPAIR YARD | | 425200N 1312326E | UR | S087189 |

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| SUBJECT | IDHS CODE | COORD | COUN | ACCN NO. |
|---|-----------|------------------|------|----------|
| SARANTSI AMMUNITION DEPOT ENE 503 | | 424434N 0234823E | BU | S087398 |
| KHARMANLI AMMUNITION STORAGE DEPOT WNW 503 | | 415630N 0255140E | BU | S087248 |
| KRUMOVGRAD AMMUNITION STORAGE DEPOT NNW | | 412918N 0253808E | BU | S087247 |
| SLIVEN AMMUNITION DEPOT 515 | | 423931N 0261812E | BU | S087438 |
| SLIVNITSA AMMUNITION DUMP ALDOMIROVTSI NE | | 425200N 0230020E | BU | S087439 |
| KHARMANLI AMMUNITION DUMP SE 504 | | 415505N 0255445E | BU | S087249 |
| IVAYLOVGRAD AMMUNITION STORAGE FACILITY 501 | | 413113N 0260647E | BU | S087226 |
| KAZANLUK AMMUNITION STORAGE FACILITY 505 | | 423325N 0252203E | BU | S087228 |
| KHASKOVO AMMUNITION DEPOT | | 415255N 0253240E | BU | S087250 |
| KALOYANOVETS AMMUNITION STORAGE FACILITY | | 422010N 0253410E | BU | S087225 |
| SMYADOVO AMMUNITION DEPOT SOUTH 501 | | 430306N 0270112E | BU | S087437 |
| POLYANOVGRAD AMMUNITION STORAGE FACILITY 503 | | 423842N 0270017E | BU | S087229 |
| GRUDOVO AMMUNITION STORAGE FACILITY 502 | | 422019N 0270932E | BU | S087224 |
| POTI NAVAL BASE + SHIPYARD YELYAVA 201 | | 420935N 0413926E | UR | S087196 |
| POTI NAVAL BASE + SHIPYARD YELYAVA 201 | | 420935N 0413926E | UR | |
| TBILISI AIRFRAME PLANT 31 | | 413954N 0445259E | UR | S087044 |
| TBILISI/SOGANLUG AIRFIELD | | 413857N 0445610E | UR | |
| CHIRCHIK ELECTROCHEMICAL CMB CRYOGEN RAILCARS | | 412733N 0693440E | UR | S086799 |
| CHIRCHIK ELECTROCHEMICAL CMB CRYOGEN RAILCARS | | 412733N 0693440E | UR | |
| ALMA ATA COMMAND CONTROL RADCOM FACIL BKR U/I | | 430910N 0762330E | UR | S087396 |
| ALMA ATA COMMAND CONTROL RADCOM FACIL BKR U/I | | 431211N 0763603E | UR | S087298 |
| BURUNDAY AVTOKOLONNA 2562 | | 432107N 0765044E | UR | S087235 |
| LIUCHINGKOU SSM COMPLEX COMMAND POST BKR FAC | | 380815N 1001020E | CH | S086805 |
| LIUCHINGKOU SSM CAVE STORAGE AREA | | 381145N 1000850E | CH | |

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| SUBJECT | IDHS CODE | COORD | COUN | ACCN NO. |
|---|-----------|------------------|------|----------|
| LIUCHINGKOU SSM SITE 1 | | 380944N 0995931E | CH | |
| LIUCHINGKOU SSM SITE 2 | | 381446N 1000356E | CH | |
| LIUCHINGKOU SSM SITE 3 | | 380510N 1001036E | CH | |
| LIUCHINGKOU SSM FIELD POSITION | | 381328N 0995932E | CH | |
| LIUCHINGKOU SSM SITE 4 | | 381348N 1001559E | CH | |
| LIUCHINGKOU IRBM RADCOM STATION NORTH BKR | | 3808 N 10006 E | CH | |
| LIUCHINGKOU SSM COMPLEX | | 380835N 1000625E | CH | |
| MINFENG MISSILE IMPACT AREA | | 365005N 0825910E | CH | S086614 |
| KARSHI ORDNANCE DEPOT D01 TWIN EAR ANT SEARCH | | 384927N 0654545E | UR | S087420 |
| KARSHI ORDNANCE DEPOT D01 TWIN EAR ANT SEARCH | | 384927N 0654545E | UR | |
| KARSHI AIRFIELD SOUTH TWIN EAR ANTENNA SEARCH | | 384822N 0654615E | UR | |
| LUTA SHIPYARD DAIREN FU CHING CLASS AOR LNCH | | 385559N 1213816E | CH | S087258 |
| CHINGTAO NAVAL DOCKYARD | | 360424N 1201818E | CH | S087137 |
| CHINGTAO NAVAL DOCKYARD | | 360424N 1201818E | CH | |
| PEICHING GUIDED MISSILE DPC MISSILE SYS R+D | | 394849N 1160805E | CH | S086807 |
| PEICHING GUIDED MISSILE DPC PRPLN DEV/TEST | | 394849N 1160805E | CH | S086806 |
| PEICHING GUIDED MISSILE PLANT MSL ASSOC EQUIP | | 394748N 1162358E | CH | S086605 |
| CHINGTAO NAVAL SHIPYARD | | 360345N 1201740E | CH | S087139 |
| CHINGTAO NAVAL SHIPYARD | | 360345N 1201740E | CH | |
| TAKUSHAN NAVAL FACILITIES PUG | | 385700N 1215019E | CH | S087138 |
| TENGSHAHO SSM FIELD PSTN CSS-1/CSS-2 MODIFS | | 390911N 1220453E | CH | S086905 |
| WUCHAI MTC SSM R+D TRNG SITE A CSS-2 ERECTED | | 385002N 1113617E | CH | S087253 |
| WUCHAI MTC SSM R+D TRNG SITE A CSS-2 ERECTED | | 385002N 1113617E | CH | S087124 |
| WUCHAI MTC SSM R+D TRAINING SITE A ELCT EQUIP | | 385002N 1113617E | CH | S086789 |
| WUCHAI MTC SSM SUPPORT FAC CHECKOUT/STGE FAC | | 384828N 1113658E | CH | S087023 |
| WUCHAI MTC SSM R+D TRNG SITE B CSS-X-4 ACT | | 385241N 1113531E | CH | S087254 |
| WUCHAI MTC SSM R+D TRNG SITE B CSS-X-4 PREP | | 385241N 1113531E | CH | S087259 |

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| SUBJECT | IDHS CODE | COORD | COUN | ACCN NO. |
|---|-----------|------------------|------|----------|
| WUCHAI MTC SSM R+D TRAINING SITE B ELCT EQUIP | | 385241N 1113531E | CH | S086789 |
| WUCHAI MTC SITE D PROPELLANT STORAGE FACILS | | 385052N 1113632E | CH | S087020 |
| WUCHAI MTC CSS-X-4 SILO LAUNCH | | 384950N 1113620E | CH | S087047 |
| WUCHAI MTC CSS-2 ACTIVITY | | 384950N 1113620E | CH | S087261 |

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|---|--|------------------|----|---------|
| TARABULUS PORT FACILITIES ARMS DELIVERY SOV | | 325408N 0131127E | LY | S086890 |
| TARABULUS PORT FACILITIES ARMS DELIVERY SOV | | 325408N 0131127E | LY | |

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|---|--|------------------|----|---------|
| MATRUH SA-6 SUPPORT FACILITY 2 SA-6 TRSHPMT | | 312035N 0271240E | EG | S086898 |
| SHANGHAI SHIPYARD WEST | | 311524N 1213103E | CH | S087142 |
| SHANGHAI SHIPYARD PUTUNG | | 311504N 1213103E | CH | S087141 |
| WENCHOU SHIPYARD + NAVAL FACILITY | | 280130N 1204006E | CH | S087140 |

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| SUBJECT | IDHS CODE | COORD | COUN | ACCN NO. |
|---|-----------|------------------|------|----------|
| WENCHOU SHIPYARD + NAVAL FACILITY | | 280130N 1204006E | CH | |
| NANCHANG AIRFRAME + MISSILE PLANT 320 NAN B | | 283752N 1155526E | CH | S086610 |
| NANCHANG AIRFRAME + MISSILE PLANT 320 NAN B | | 283752N 1155526E | CH | |
| KUANGCHI SHIPYARD PPS-TYPE SOV PONTOON BRIDGE | | 294903N 1153044E | CH | S086909 |
| SUNGLIN MTC CONSTRUCTION PROGRESS | | 281420N 1020149E | CH | S086606 |
| CHENGTU AIRFRAME PLANT 132 FISHBED F-7 COUNTS | | 304224N 1035744E | CH | S087026 |
| ANHSIEN AEROSPACE R+D FACIL WIND TNL CMPNTS | | 314221N 1042832E | CH | S086808 |
| ANHSIEN AEROSPACE R+D FACILITY | | 314221N 1042832E | CH | S086791 |
| FOULING SHIPYARD SUBMARINE CONSTRUCTION | | 294445N 1071828E | CH | S087136 |

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| PINGPA AIRCRAFT PROPULSION SYSTEM R+D CENTER | | 262215N 1061602E | CH | S086788 |
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|---|--|------------------|----|---------|
| PUNTA MOVIDA NAVAL FACILITY F/W CL SS IDENT | | 220315N 0802640W | CU | S087291 |
| KUANGCHOU SHIPYARD TUNGLANG YU LIANG CL LSM | | 230430N 1131450E | CH | S087123 |
| CHIENSHUI SSM COMPLEX | | 233805N 1025030E | CH | S086792 |
| DA NANG NAVAL STATION NAVAL UNITS SOV IDENT | | 160700N 1081330E | VM | S086904 |
| DA NANG AIRFIELD BEAR D TU-95 DEPLOYMENT | | 160233N 1081215E | VM | S086910 |
| CAM RANH NAVAL + LOG SUPPORT BASE SHIPS SOV | | 115445N 1091320E | VM | S087255 |
| ENTEBBE AIRFIELD COMBAT DAMAGE | | 000230N 0322617E | UG | S087127 |
| NAKASONGOLA AIRFIELD BLINDER TU-22 IDENT | | 012419N 0322833E | UG | S086895 |
| BARREIRA DO INFERNO ROCKET TEST RANGE | | 055500S 0350900W | BR | S087116 |
| RUACANA FALLS DAM CUNENE RIVER HOSTILITIES | | 172230S 0141230E | AO | S087295 |

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TOP SECRET CHESS RUFF

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SUBJECT

IDHS CODE

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DURBAN PORT FACILS RESHEF CLASS P66 SSM ARMED
DURBAN PORT FACILS RESHEF CLASS P66 SSM ARMED

295230S 0310230E
295230S 0310230E

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S087290

TOP SECRET CHESS RUFF

25X1

PART VI

Listing of Reports by Accession Number

TOP SECRET CHESS RUFF

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ARMY BIIR RAC24-0006-78 NOV 78 [] SEC CLASS: 14B MSN: 0020P ACCN: S086485 25X1

| | | |
|------------------------------|------------------|-------------|
| ELECTRONICS, USAREUR BBV4090 | GAZ-66 RI/DF SYS | UR |
| WAC NO : | BE/OBJ NO: | NPIC NO : |
| IDHS CODE: | EPF CAT : 25D | COMIREX NO: |
| ELECTRONICS, USAREUR BBV4090 | GAZ-66 RI/DF SYS | UR |
| WAC NO : | BE/OBJ NO: | NPIC NO : - |
| IDHS CODE: | EPF CAT : 25A | COMIREX NO: |

THIS BIIR CONTAINS A DETAILED PHYSICAL DESCRIPTION OF THE NEW SOVIET GAZ-66 FAMILY OF RADIO DIRECTION-FINDING (RDF) SYSTEMS. THE GAZ-66 FAMILY CONSISTS OF FOUR SEPARATE RDF SYSTEMS SEPARATELY MOUNTED ON CHAMFER-ROOFED, BOX-BODIED GAZ-66 VAN TRUCKS. THE GAZ-66 FAMILY IS DEPLOYED IN BOTH THE SOVIET UNION AND EAST GERMANY.

INFORMATION CONTAINED IN THIS REPORT WAS DERIVED FROM SELECTED OVERHEAD AND SMALL-FORMAT IMAGERY (INCLUDING SOME UK PROVIDED) AND INTELLIGENCE REPORTS. THIS BIIR CONTAINS ILLUSTRATIONS (INCLUDING ANNOTATED PHOTOGRAPHS), ARTISTS' DRAWINGS, TEXT, AND A REFERENCE DATA SECTION. THE INFORMATION CUTOFF DATE FOR THIS REPORT IS 31 AUGUST 1978.

AF BIIR RFB22-5001-79 JAN 79 SEC CLASS: 08 MSN: 0012P ACCN: S086593

AIRCRAFT, FORGER B YAK-36 UR

TOP SECRET CHESS RUFF

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TOP SECRET CHESS RUFF

25X1X1

WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 05D COMIREX NO:

THIS REPORT PRESENTS AN ANALYSIS OF THE FORGER B (YAK-36), A V/STOL TRAINER FOR THE FORGER A FIGHTER PRODUCED BY THE A.S. YAKOVLEV DESIGN BUREAU. THE FORGER B IS A TWO-PLACE, TANDEM-SEAT, CLIPPED-DELTA WING AIRCRAFT EMPLOYING A VECTORING-NOZZLE CRUISE ENGINE AND TWO VERTICAL-LIFT ENGINES. THE REPORT INCLUDES A BASIC DESCRIPTION, ENGINEERING DRAWINGS AND SELECTED PHOTOGRAPHY OF THE AIRCRAFT. THE FORGER B HAS A FUSELAGE LENGTH OF 17.3 METERS AND A WINGSPAN OF 7.0 METERS.

AF ENDR C1004-79 22 FEB 79 SEC CLASS: 07 MSN: 0001P ACCN: S086594

MISSILES, 80MM ROCKET POD 20-SHOT UR
WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 40I COMIREX NO:

AF ENDR B1003-79 15 FEB 79 SEC CLASS: 07 MSN: 0001P ACCN: S086595

AIRCRAFT, FLOGGER D/FITTER C GUN POD UR
WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 05D COMIREX NO:

THIS DRAWING SUPERSEDES DRAWING 75A1002.*

AF PAR 1-79 05 FEB 79 SEC CLASS: 07 MSN: 0003P ACCN: S086596

AIRCRAFT, FLOGGER B/G MIG-23 COMPARISON UR
WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 05D COMIREX NO:
AIRCRAFT, FLOGGER G/B MIG-23 COMPARISON UR
WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 05D COMIREX NO:

DIFFERENCES BETWEEN THE FLOGGER B AND FLOGGER G AIRCRAFT ARE PROVIDED IN THIS REPORT. ADDITIONAL REFERENCES MAY BE FOUND IN DRAWINGS 76E1001 AND 78E1025.*

AF ENDR C3001-79 29 JAN 79 SEC CLASS: 05 MSN: 0001P ACCN: S086597

AIRCRAFT, BACKFIRE B WEAPONS RACK UR
WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 05D COMIREX NO:

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TOP SECRET CHESS RUFF

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NPIC MEMO [redacted] 18 JUN 79 [redacted] SEC CLASS: 14B MSN: [redacted] 0002P ACCN: S08661725X1

ROSTOV RADIO RELAY STATION WSW UR 570923N 0391655E
WAC NO : 0154 BE/OBJ NO: [redacted] NPIC NO : - 124-A3 25X1
IDHS CODE: [redacted] EPF CAT : 25D COMIREX NO: 25X1
ROSTOV RADIO RELAY STATION SW UR 570940N 0391800E
WAC NO : 0154 BE/OBJ NO: [redacted] NPIC NO : - 124-A 25X1
IDHS CODE: [redacted] EPF CAT : 25D COMIREX NO: 25X1

THIS MEMO DESCRIBES THE STATUS OF ACTIVITY AT ROSTOV RADIO RELAY STATION SOUTHWEST AND ROSTOV RADIO RELAY STATION WEST SOUTHWEST. [redacted]

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NPIC MEMO [redacted] 19 JUN 79 [redacted] SEC CLASS: 14B MSN: [redacted] 0001P ACCN: S08661825X1

TOMAKOVKA RADIO RELAY STATION SEARCH UR 4749 N 03445 E
WAC NO : 0250 BE/OBJ NO: [redacted] NPIC NO : - 25X1
IDHS CODE: [redacted] EPF CAT : 25D COMIREX NO: 25X1

NPIC MEMO [redacted] 19 JUN 79 [redacted] SEC CLASS: 14B MSN: [redacted] 0002P ACCN: S08661925X1

GORBATOV RADIO RELAY STATION UR 560620N 0430330E
WAC NO : 0154 BE/OBJ NO: [redacted] NPIC NO : - 102 25X1
IDHS CODE: [redacted] EPF CAT : 25D COMIREX NO: 25X1

THIS MEMO DESCRIBES THE NUMBER, TYPE, AND ORIENTATION OF ANTENNAS AND GIVES A CURRENT DESCRIPTION OF ACTIVITY AT GORBATOV RADIO RELAY STATION. [redacted]

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AF PAR 523-79 01 FEB 79 [] SEC CLASS: 13 MSN: 0009P ACCN: 5086787 25X1

MISSILES, R+D/PROD FACILS ROOF AREA INCREASE CH
 WAC NO : BE/OBJ NO: NPIC NO : -
 IDHS CODE: EPF CAT : 40E COMIREX NO:
 SPACE, R+D FACILITIES ROOF AREA INCREASE CH
 WAC NO : BE/OBJ NO: NPIC NO : -
 IDHS CODE: EPF CAT : 40H COMIREX NO:
 AIRCRAFT, R+D/PROD FACILS ROOF AREA INCREASE CH
 WAC NO : BE/OBJ NO: NPIC NO : -
 IDHS CODE: EPF CAT : 05G COMIREX NO:

THIS PAR UPDATES THE AIRCRAFT RESEARCH AND DEVELOPMENT PRODUCTION FACILITIES IN THE PRC. THE SUB-PARAGRAPHS LIST THE SPECIFIC FACILITY ON WHICH ANALYSIS WAS PERFORMED, ITS BE NUMBER, SQUARE METERS OF NEW ROOF COVERAGE AND FLOORSPACE, AND THE LATEST KEYHOLE MISSION USED, AND REFERENCES THE LAST PHOTO ANALYSIS REPORT USED AS A ROOF COVER/FLOORSPACE BASE.

AF PAR 505-79 25 JAN 79 [] SEC CLASS: 13 MSN: 0012P ACCN: 5086788 25X1

PINGPA AIRCRAFT PROPULSION SYSTEM R+D CENTER CH 262215N 1061602E
 WAC NO : 0496 BE/OBJ NO: NPIC NO : - 10-N
 IDHS CODE: [] EPF CAT : 05G COMIREX NO: []

THIS REPORT PROVIDES AN UPDATED PHOTO ANALYSIS OF PING-PA PROPULSION SYSTEM RESEARCH + DEVELOPMENT CENTER.

IT INCLUDES ANY CHANGES OR MODIFICATIONS TO TEST FACILITIES OR SUPPORT FACILITIES AND A TABULATED LISTING OF GROWTH IN TERMS OF ROOF COVERAGE AND FLOORSPACE.
 FOR ADDITIONAL REFERENCES SEE PARS 72-788, 72-791, 74-556, AND 75-518 AND DRAWINGS 72C4532, 72D6545, 72D6546, 73D4505, AND 72D6543.*

AF PAR 514-79 08 FEB 79 [] SEC CLASS: 13 MSN: 0004P ACCN: 5086789 25X1

SHUANGCHENG TZU MTC SSM SITE A ELCT EQUIPMENT CH 411653N 1001816E
 WAC NO : 0287 BE/OBJ NO: NPIC NO : - 1-K
 IDHS CODE: [] EPF CAT : 25C COMIREX NO: []
 SHUANGCHENG TZU MTC ICBM SITE B1/2 ELCT EQUIP CH 411828N 1001854E
 WAC NO : 0287 BE/OBJ NO: NPIC NO : - 1-N
 IDHS CODE: [] EPF CAT : 25C COMIREX NO: []
 WUCHAI MTC SSM R+D TRAINING SITE A ELCT EQUIP CH 385002N 1113617E
 WAC NO : 0382 BE/OBJ NO: NPIC NO : - 77-A
 IDHS CODE: [] EPF CAT : 25C COMIREX NO: []
 WUCHAI MTC SSM R+D TRAINING SITE B ELCT EQUIP CH 385241N 1113531E
 WAC NO : 0382 BE/OBJ NO: NPIC NO : - 77-D

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

25X1

IDHS CODE: [] EPF CAT : 25C COMIREX NO: []

25X1

THIS REPORT PROVIDES AN ELECTRONICS ANALYSIS UPDATE OF SHUANG-CHENG-TZU SSM LAUNCH TEST SITE A, SHUANG-CHENG-TZU LAUNCH TEST SITE B 1/2, WU-CHAI SSM R/D/TNG LCH SITE A/IRBM, AND WU-CHAI SSM R/D/TNG LCH SITE B. IT GIVES THE NUMBERS, ORIENTATIONS, AND DESCRIPTIONS OF AZIMUTH MARKERS, THEODOLITE STATIONS, OR ELECTRONIC AND/OR GUIDANCE FACILITIES WHICH HAVE BEEN OBSERVED OR ADDED TO THESE INSTALLATIONS. DRAWING 77E6531 SUPPLEMENTS THIS REPORT.*

AF PAR 506-79 30 JAN 79 [] SEC CLASS: 13 MSN: 0002P ACCN: 5086790 25X1

MOSKVA MISSILE DESIGN BUREAU OKB16 UR 554415N 0373700E
WAC NO : 0167 BE/OBJ NO: [] NPIC NO : -
IDHS CODE: [] EPF CAT : 40E COMIREX NO: []

25X1

25X1

THIS REPORT AND ASSOCIATED DRAWING 78B6539/1 PROVIDES AN UPDATED PHOTO ANALYSIS OF MOSKVA MISSILE DESIGN BUREAU (OKB-16). THIS REPORT SUPPLEMENTS PAR 78-674.*

AF PAR 736-78 31 JAN 79 [] SEC CLASS: 13 MSN: 0020P ACCN: 5086791 25X1

ANHSIEN AEROSPACE R+D FACILITY CH 314221N 1042832E
WAC NO : 0495 BE/OBJ NO: [] NPIC NO : - 116
IDHS CODE: [] EPF CAT : 40H COMIREX NO: []

25X1

25X1

THIS REPORT PROVIDES AN UPDATED PHOTO ANALYSIS OF AN-HSIEN AEROSPACE R+D FACILITY. A TABULATED LISTING PROVIDES INFORMATION ON FACILITY GROWTH IN TERMS OF ROOF COVERAGE AND FLOORSPACE. THIS REPORT UPDATES PAR 73-681. ADDITIONAL REFERENCES INCLUDE DRAWINGS 73D6550/1, 73C4526/1, 78D6601, 78C4526, 78C3511, 78C3512, AND 79D4507, AND PAR 79-521.*

AF PAR 719-78 22 JAN 79 [] SEC CLASS: 13 MSN: 0033P ACCN: 5086792 25X1

CHIENSHUI SSM COMPLEX CH 233805N 1025030E
WAC NO : 0616 BE/OBJ NO: [] NPIC NO : - 517-A5
IDHS CODE: [] EPF CAT : 40 COMIREX NO: []

25X1

25X1

THIS REPORT PROVIDES AN UPDATED ANALYSIS OF THE FACILITIES COMPRISING THE CHIEN-SHUI MISSILE LAUNCH COMPLEX. A DESCRIPTION AND CHRONOLOGY OF EACH FACILITY WITHIN THIS COMPLEX IS GIVEN.

THIS REPORT AND DRAWING 76C4526/1 UPDATE PAR 76-652 AND DRAWING 76C4526. ADDITIONAL REFERENCES INCLUDE DRAWING 72E1510/5, PAR 77-501, AND BIIR []

25X1

AF PAR 721-78 17 JAN 79 [] SEC CLASS: 13 MSN: 0018P ACCN: 5086794 25X1

MISSILES, SS-16/SS-20 ASSOCIATED BUILDINGS UR
WAC NO : [] BE/OBJ NO: [] NPIC NO : -

TOP SECRET CHESS RUFF

25X1

TOP SECRET CHESS RUFF

25X1

IDHS CODE: EPF CAT : 40A COMIREX NO:
 MISSILES, SS-16/SS-20 ASSOCIATED BUILDINGS UR
 WAC NO : BE/OBJ NO: NPIC NO : -
 IDHS CODE: EPF CAT : 40B COMIREX NO:

THIS REPORT PROVIDES A DESCRIPTIVE ANALYSIS OF BUILDINGS UNIQUELY ASSOCIATED WITH THE SS-16 ICBM AND SS-20 IRBM MOBILE MISSILE SYSTEMS. THE BUILDINGS ARE CONSTRUCTED AT FACILITIES PREVIOUSLY ASSOCIATED WITH THE SS-4 MRBM, THE SS-5 IRBM, THE SS-7 ICBM AND AT ONE FACILITY NOT PREVIOUSLY ASSOCIATED WITH THE SOVIET ROCKET FORCES. THE BUILDINGS ASSOCIATED WITH THE SS-16 MOBILE ICBM INCLUDE A SINGLE-BAY BUILDING WITH A GAMBREL ROOF; ELEVEN-BAY DRIVE-IN GARAGES (TWO SIZES); AND A HIGH-BAY DRIVE-THROUGH BUILDING. COMMON TO FACILITIES ASSOCIATED WITH SS-20 MOBILE IRBM DEPLOYMENT ARE THE FOLLOWING: A SINGLE-BAY, SLIDING-ROOF BUILDING; A THREE-BAY DRIVE-IN BUILDING; AN ELEVEN-BAY DRIVE-IN GARAGE; A HIGH-BAY, DRIVE-THROUGH BUILDING; AND A TECHNICAL SUPPORT BUILDING. PAYLOAD-ASSOCIATED BUILDINGS INCLUDING A HIGH-BAY, DRIVE-IN BUILDING AND A CLERESTORY BUILDING ARE COMMON TO BOTH MISSILE SYSTEMS.

PARS 77-562, 77-610, AND 78-723 ALONG WITH DRAWINGS 78E1514, 78E1515, 77E6518, AND 78E6551 SHOULD BE USED AS REFERENCE MATERIAL TO THIS REPORT.*

AF PAR 501-79 15 JAN 79 [] SEC CLASS: 13 MSN: 0017P ACCN: 5086795 25X1

KAMCHATKA MISSILE IMPACT AREAS CRATERS UR 5712 N 16133 E
 WAC NO : 0132 BE/OBJ NO: NPIC NO : -
 IDHS CODE: [] EPF CAT : 40 COMIREX NO:

25X1

THIS REPORT PROVIDES A PHOTO ANALYSIS OF MISSILE IMPACT CRATERS ON THE KAMCHATKA PENINSULA. []

25X1

THE GEOGRAPHIC COORDINATES, CRATER VALIDITY, DIMENSIONS, DESCRIPTIVE CHARACTERISTICS, AND TIME OF OCCURRENCE AS ESTABLISHED BY AVAILABLE COVERAGE FOR EACH NEWLY OBSERVED CRATER IS LISTED IN TABULAR FORM. THE LOCATION OF TOWERS/MASTS AND BUILDINGS OBSERVED IN THE IMPACT AREA IS ALSO PROVIDED.*

25X1

AF PAR 738-78 12 DEC 78 [] SEC CLASS: 13 MSN: 0013P ACCN: 5086796 25X1

SAROVA NUCLEAR WEAPONS DEV FACIL SLED TRACK UR 544900N 0431500E
 WAC NO : 0166 BE/OBJ NO: [] NPIC NO : - 23-K1
 IDHS CODE: [] EPF CAT : 55A COMIREX NO: []

25X1

25X1

THIS REPORT PROVIDES A DETAILED ANALYSIS OF THE SLED TRACK, ITS SUPPORTING FACILITIES AND ITS SUPPORTING EQUIPMENT LOCATED AT SAROVA NUCLEAR WEAPONS DEVELOPMENT FACILITY AREA 12. FOR ADDITIONAL REFERENCES SEE PAR 78-512 AND DRAWING 78D6556.*

AF PAR 515-79 26 JAN 79 [] SEC CLASS: 13 MSN: 0002P ACCN: 5086797 25X1

AMDERMA AIR DEFENSE HQ TALL KING EW RADAR FAC UR 694500N 0614400E
 WAC NO : 0049 BE/OBJ NO: [] NPIC NO : - 1-D

25X1

TOP SECRET CHESS RUFF

25X1

TOP SECRET CHESS RUFF

25X1

IDHS CODE: [] EPF CAT : 25H COMIREX NO: []
 NARYAN MAR AIRFIELD AD HQ TALL KING RADAR FAC UR 673945N 0530900E
 WAC NO : 0093 BE/OBJ NO: [] NPIC NO : - 4-E
 IDHS CODE: [] EPF CAT : 25H COMIREX NO: []

25X1

25X1

25X1

25X1

AF PAR 519-79 02 FEB 79 [] SEC CLASS: 13 MSN: 0002P ACCN: 5086800 25X1

TYURATAM MTC SPACE SITE B1 GUIDANCE FACILS UR 455950N 0633348E
 WAC NO : 0246 BE/OBJ NO: [] NPIC NO : - 6-J
 IDHS CODE: [] EPF CAT : 25C COMIREX NO: []

25X1

25X1

AN ANALYSIS OF THE GUIDANCE RELATED FACILITIES IDENTIFIED AT TYURATAM SPACE LAUNCH SITE B1 IS PROVIDED.
THIS REPORT SUPERCEDES PARAGRAPHS 3E OF PARS 74-660 AND 73-514.*

AF PAR 507-79 18 JAN 79 [] SEC CLASS: 13 MSN: 0003P ACCN: 5086801 25X1

ZELENOGORSK AW RADAR FACILITY UR 601430N 0294420E
 WAC NO : 0103 BE/OBJ NO: [] NPIC NO : - 41-C
 IDHS CODE: [] EPF CAT : 25A COMIREX NO: []

25X1

25X1

25X1

100
TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

25X1

THIS REPORT IDENTIFIES THE RADARS DEPLOYED AT ZELENOGROSK AW RADAR FACILITY IN 1968, 1969 AND 1971.*

AF PAR 504-79 05 FEB 79 [] SEC CLASS: 13 MSN: 0004P ACCN: S086802 25X1

PLESETSK MTC GUIDANCE RELATED FACILITIES UR 625746N 0402346E
WAC NO : 0102 BE/OBJ NO: [] NPIC NO : - 27
IDHS CODE: [] EPF CAT : 25C COMIREX NO: []

25X1
25X1

THIS REPORT IS AN UPDATED ANALYSIS OF THE GUIDANCE RELATED FACILITIES AT PLESETSK LAUNCH SITES 1, 2, 3, 5, 6, 8, 11, 14 THRU 24, 27, 28, AND AT PLESETSK MOBILE ICBM FACILITIES 1 AND 2. THIS REPORT SUPERSEDES PARS 77-661, 76-686 AND 75-649.*

AF PAR 518-79 13 FEB 79 [] SEC CLASS: 13 MSN: 0035P ACCN: S086803 25X1

AIRCRAFT, R+D/PROD FACILS ROOF AREA INCREASE UR
WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 05G COMIREX NO:
SPACE, R+D FACILITIES ROOF AREA INCREASE UR
WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 40H COMIREX NO:
MISSILES, R+D/PROD FACILS ROOF AREA INCREASE UR
WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 40F COMIREX NO:

25X1

ELECTRONICS, R+D FACILS ROOF AREA INCREASE UR
WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 25E COMIREX NO:

THIS PAR UPDATES PAR 77-733.*

25X1

101
TOP SECRET CHESS RUFF

25X1

TOP SECRET CHESS RUFF

25X1

25X1

AF PAR 520-79 20 FEB 79 [REDACTED] SEC CLASS: 13 MSN: 0021P ACCN: 508680525X1

| | | | | | |
|--|-----------------------|-----------------------|---------------------|------------------------|------------|
| LIUCHINGKOU SSM COMPLEX | WAC NO : 0332 | BE/OBJ NO: [REDACTED] | CH 380835N 1000625E | NPIC NO : - 36-C | 25X1 |
| | IDHS CODE: [REDACTED] | EPF CAT : 40 | | COMIREX NO: [REDACTED] | 25X1 |
| LIUCHINGKOU SSM SITE 1 | WAC NO : 0332 | BE/OBJ NO: [REDACTED] | CH 380944N 0995931E | NPIC NO : - 36 | 25X1 |
| | IDHS CODE: [REDACTED] | EPF CAT : 40 | | COMIREX NO: [REDACTED] | 25X1 |
| LIUCHINGKOU SSM SITE 2 | WAC NO : 0332 | BE/OBJ NO: [REDACTED] | CH 381446N 1000356E | NPIC NO : - 36-A | 25X1 |
| | IDHS CODE: [REDACTED] | EPF CAT : 40 | | COMIREX NO: [REDACTED] | 25X1 |
| LIUCHINGKOU SSM SITE 3 | WAC NO : 0332 | BE/OBJ NO: [REDACTED] | CH 380510N 1001036E | NPIC NO : - 36-B | 25X1 |
| | IDHS CODE: [REDACTED] | EPF CAT : 40 | | COMIREX NO: [REDACTED] | 25X1 |
| LIUCHINGKOU SSM SITE 4 | WAC NO : 0332 | BE/OBJ NO: [REDACTED] | CH 381348N 1001559E | NPIC NO : - 36-D | 25X1 |
| | IDHS CODE: [REDACTED] | EPF CAT : 40 | | COMIREX NO: [REDACTED] | 25X1 |
| LIUCHINGKOU IRBM RADCOM STATION NORTH BKR | WAC NO : 0332 | BE/OBJ NO: [REDACTED] | CH 3808 N 10006 E | NPIC NO : - | 25X1 |
| | IDHS CODE: [REDACTED] | EPF CAT : 25C | | COMIREX NO: [REDACTED] | 25X1 |
| LIUCHINGKOU SSM COMPLEX COMMAND POST BKR FAC | WAC NO : 0332 | BE/OBJ NO: [REDACTED] | CH 380815N 1001020E | NPIC NO : - 36-F | 25X1 |
| | IDHS CODE: [REDACTED] | EPF CAT : 25C | | COMIREX NO: [REDACTED] | 25X1 |
| LIUCHINGKOU SSM CAVE STORAGE AREA | WAC NO : 0332 | BE/OBJ NO: [REDACTED] | CH 381145N 1000850E | NPIC NO : - 36-E | 25X1 |
| | IDHS CODE: [REDACTED] | EPF CAT : 40F | | COMIREX NO: [REDACTED] | 25X1 |
| LIUCHINGKOU SSM FIELD POSITION | WAC NO : 0332 | BE/OBJ NO: [REDACTED] | CH 381328N 0995932E | NPIC NO : - 36-G | 25X1- |
| | IDHS CODE: [REDACTED] | EPF CAT : 40 | | COMIREX NO: [REDACTED] | 25X1, 25X1 |

THIS REPORT ON LIU-CHING-KOU MISSILE LAUNCH COMPLEX UPDATES PAR 75-618 AND ASSOCIATED DRAWING 75E6529. INFORMATION PROVIDED, AND NOT PREVIOUSLY REPORTED ON, INCLUDES: ADIT CONFIGURATIONS, NUMBERS, RELATIONSHIPS, EVIDENCE OF TUNNELING, PRESENCE OF ASSOCIATED RAILS/GUIDES AND INDICATIONS OF GROUND

102
TOP SECRET CHESS RUFF

25X1

TOP SECRET CHESS RUFF

25X1

SUPPORT EQUIPMENT (GSE) AND/OR PROPELLANT STORAGE FUNCTIONS; THE AMOUNT OF HOUSING/SUPPORT FACILITIES WITH IDENTIFICATION BY TYPE AND FUNCTION WHERE POSSIBLE; FACILITIES OUTSIDE THE SITE LOCATIONS CAPABLE OF GSE/PROPELLANT STORAGE AND HOUSING/SUPPORT; GSE IDENTIFICATION AND CHRONOLOGY; AND THE PRESENCE OF UNIQUE STRUCTURES/STRUCTURAL COMPONENTS IN ANY OF THE FACILITIES WITHIN THE COMPLEX.

25X1



AF PAR 521-79 08 MAR 79 [redacted] SEC CLASS: 13 MSN: 0006P ACCN: S086808

25X1

ANHSIEN AEROSPACE R+D FACIL WIND TNL CMPNTS CH 314221N 1042832E
WAC NO : 0495 BE/OBJ NO: [redacted] NPIC NO : - 116
IDHS CODE: [redacted] EPF CAT : 40H COMIREX NO: [redacted]

25X1
25X1

THIS REPORT PROVIDES THE NUMBERS, CONFIGURATION, DIMENSIONS, AND HISTORY OF THE WIND TUNNEL COMPONENTS OBSERVED IN THE SOUTH AREA OF THE AN HSIEN AEROSPACE RESEARCH AND DEVELOPMENT FACILITY.

103
TOP SECRET CHESS RUFF

25X1

TOP SECRET CHESS RUFF

25X1

FOR ADDITIONAL REFERENCES SEE DRAWINGS 73D6550/1 AND 79D4507.*

AF PAR 516-79 22 FEB 79 [] SEC CLASS: 13 MSN: 0013P ACCN: S086805 25X1

| | | |
|---|---------------------|------------------|
| DODONOVO MISSILE + SPACE COMPONENTS PLANT | UR 561540N 0933135E | |
| WAC NO : 0159 | BE/OBJ NO: [] | NPIC NO : - 3-E4 |
| IDHS CODE: [] | EPF CAT : 40E | COMIREX NO: [] |
| DODONOVO MISSILE + SPACE COMPONENTS PLANT | UR 561540N 0933135E | |
| WAC NO : 0159 | BE/OBJ NO: [] | NPIC NO : - 3-E4 |
| IDHS CODE: [] | EPF CAT : 40H | COMIREX NO: [] |

THIS REPORT PROVIDES A PHOTO ANALYSIS OF DODONOVO MISSILE AND SPACE COMPONENTS PLANT. IT INCLUDES A CONSTRUCTION CHRONOLOGY OF BUILDING EXPANSION/MODIFICATION; NEW CONSTRUCTION; AND MISSILE COMPONENT/HARDWARE IDENTIFICATION; AND DETAILED ANALYSIS OF SELECTED BUILDINGS WITHIN THE PLANT. DRAWING 79C6506 IS KEYED TO THIS REPORT.*

25X1

AF PAR 512-79 27 FEB 79 [] SEC CLASS: 13 MSN: 0011P ACCN: S086811 25X1

| | | |
|---|---------------------|-------------------|
| ELECTRONICS, BOW + ARROW INTERFEROMETERS | UR | |
| WAC NO : [] | BE/OBJ NO: [] | NPIC NO : - |
| IDHS CODE: [] | EPF CAT : 25C | COMIREX NO: [] |
| TYURATAM MTC RANGEHEAD TRKG FACIL BOW + ARROW | UR 454230N 0632020E | |
| WAC NO : 0246 | BE/OBJ NO: [] | NPIC NO : - 20-B1 |
| IDHS CODE: [] | EPF CAT : 25C | COMIREX NO: [] |
| TYURATAM MTC TRACKING FACILITY 5 BOW + ARROW | UR 515333N 0672113E | |

25X1

25X1

25X1

104
TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

25X1

WAC NO : 0237 BE/OBJ NO: [] NPIC NO : - 18
 IDHS CODE: [] EPF CAT : 25C COMIREX NO: []
 VORKUTA ESV TRACKING FACILITY BOW + ARROW UR 673330N 0640941E
 WAC NO : 0094 BE/OBJ NO: [] NPIC NO : - 4-K3
 IDHS CODE: [] EPF CAT : 25C COMIREX NO: []

25X1

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25X1

THIS REPORT PROVIDES AN UPDATE OF THE CONSTRUCTION CHRONOLOGIES OF THE BOW AND ARROW INTERFEROMETERS AT KAPUSTIN YAR MTC RANGEHEAD TRACKING FACILITY, PLESETSK RANGEHEAD TRACKING FACILITY, TYURATAM RANGEHEAD TRACKING FACILITY, TYURATAM TRACKING FACILITY 5, AND VORKUTA ESV TRACKING FACILITY.

THIS REPORT CONTINUES THE CONSTRUCTION CHRONOLOGIES OF THE BOW AND ARROW INTERFEROMETERS DEVELOPED IN THE FOLLOWING PHOTO ANALYSIS REPORTS: 72-504, 72-813, 74-641, 75-610, 76-609, AND 77-651. THE ADDITIONAL MODIFICATIONS TO THE BOW AND ARROW INTERFEROMETERS AT TYURATAM RANGEHEAD TRACKING FACILITY, TYURATAM TRACKING FACILITY 5, AND VORKUTA ESV TRACKING FACILITY, FIRST OBSERVED IN APRIL 1977 (PAR 77-651); ARE FURTHER DEVELOPED IN THIS REPORT. AN OVERVIEW OF THE MODIFICATIONS OCCURRING AT THE BOW + ARROW INTERFEROMETERS IS PRESENTED IN THIS REPORT. THE OVERVIEW WILL TIE TOGETHER THE DETAILED CONSTRUCTION EVENTS GIVEN IN THE MISSION BY MISSION CHRONOLOGY OF EACH FACILITY.*

AF PAR 533-79 08 MAR 79 [] SEC CLASS: 13 MSN: 0002P ACCN: 5086812 25X1

ELECTRONICS, SUUJI E RADAR

WAC NO : [] BE/OBJ NO: [] NPIC NO : -
 IDHS CODE: [] EPF CAT : 25A COMIREX NO: []

CH

THIS REPORT PROVIDES AN ANALYSIS OF THE PHOTOGRAPH OF THE SUUJI E RADAR WHICH APPEARED IN THE CHINESE PERIODICAL TITLED AVIATION KNOWLEDGE HANG HUNG CHIH SHIH, 1978, #9.*

AF PAR 517-79 26 FEB 79 [] SEC CLASS: 13 MSN: 0005P ACCN: 5086813 25X1

SVERDLOVSK OPTICAL EQUIPMENT PLANT 217 UR 564900N 0603900E
 WAC NO : 0156 BE/OBJ NO: [] NPIC NO : - 26-K2
 IDHS CODE: [] EPF CAT : 30D COMIREX NO: []

25X1

25X1

THIS REPORT PROVIDES A TABULATED LISTING SHOWING ROOF COVERAGE, FLOORSPACE AND BUILDING FUNCTION AT SVERDLOVSK OPTICAL EQUIPMENT PLANT 217. ASSOCIATED DRAWING 79D6507 PROVIDES A LAYOUT DRAWING OF THE MAIN PLANT.*

AF PAR 524-79 20 FEB 79 [] SEC CLASS: 13 MSN: 0016P ACCN: 5086814 25X1

YURYA ICBM HEADQUARTERS RDO RELAY/RADCOM XMTR UR 584400N 0493130E
 WAC NO : 0155 BE/OBJ NO: [] NPIC NO : - 5-L1
 IDHS CODE: [] EPF CAT : 25C COMIREX NO: []
 YURYA ICBM HEADQUARTERS RADCOM RECEIVER STA UR 590615N 0491800E
 WAC NO : 0155 BE/OBJ NO: [] NPIC NO : - 18-H8

25X1

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25X1

105

TOP SECRET CHESS RUFF

25X1

TOP SECRET CHESS RUFF

25X1

25X1

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|---|----------------|---------------------|
| IDHS CODE: [] | EPF CAT : 25C | COMIREX NO: [] |
| VERKHNYAYA SALDA ICBM COMPLEX HQ BUNKERED | | UR 580215N 0602250E |
| WAC NO : 0156 | BE/OBJ NO: [] | NPIC NO : - 29-D6 |
| IDHS CODE: [] | EPF CAT : 40A | COMIREX NO: [] |
| VERKHNYAYA SALDA MOBILE IRBM BASE 1 | | UR 580818N 0603213E |
| WAC NO : 0156 | BE/OBJ NO: [] | NPIC NO : - 29-E4 |
| IDHS CODE: [] | EPF CAT : 40B | COMIREX NO: [] |
| SMORGON IRBM REGIMENTAL HQ RADCOM XMTR STA | | UR 542300N 0264000E |
| WAC NO : 0168 | BE/OBJ NO: [] | NPIC NO : - 1A2-C |
| IDHS CODE: [] | EPF CAT : 25C | COMIREX NO: [] |
| SMORGON IRBM REGIMENTAL HQ RADIO RCVR ABND | | UR 543120N 0261720E |
| WAC NO : 0168 | BE/OBJ NO: [] | NPIC NO : - 68-A1 |
| IDHS CODE: [] | EPF CAT : 25C | COMIREX NO: [] |
| SMORGON IRBM REGIMENTAL COMMAND POST BUNKERED | | UR 543202N 0261747E |
| WAC NO : 0168 | BE/OBJ NO: [] | NPIC NO : - 68-A3 |
| IDHS CODE: [] | EPF CAT : 25C | COMIREX NO: [] |
| NOVOSIBIRSK ICBM HQ RADCOM TRANSMITTER STA | | UR 550944N 0825615E |
| WAC NO : 0162 | BE/OBJ NO: [] | NPIC NO : - 7-F2 |
| IDHS CODE: [] | EPF CAT : 25C | COMIREX NO: [] |
| YURYA ICBM COMPLEX COMMAND POST BUNKERED | | UR 590329N 0491658E |
| WAC NO : 0155 | BE/OBJ NO: [] | NPIC NO : - 18-H9 |
| IDHS CODE: [] | EPF CAT : 25C | COMIREX NO: [] |
| YURYA MOBILE IRBM BASE 1 | | UR 590611N 0494531E |
| WAC NO : 0155 | BE/OBJ NO: [] | NPIC NO : - 18-I1 |
| IDHS CODE: [] | EPF CAT : 40B | COMIREX NO: [] |
| YELSK MRBM REGIMENTAL HQ RADCOM RCVR BKR HARD | | UR 514256N 0291224E |
| WAC NO : 0233 | BE/OBJ NO: [] | NPIC NO : - 42-C1 |
| IDHS CODE: [] | EPF CAT : 25C | COMIREX NO: [] |
| YELSK MRBM REGIMENTAL COMMAND POST BKR SEARCH | | UR 514654N 0291729E |
| WAC NO : 0233 | BE/OBJ NO: [] | NPIC NO : - 42-D2 |
| IDHS CODE: [] | EPF CAT : 25C | COMIREX NO: [] |
| VERKHNYAYA SALDA ICBM HQ RADCOM TRANSMITTER | | UR 575339N 0601106E |
| WAC NO : 0156 | BE/OBJ NO: [] | NPIC NO : - 17-E1 |
| IDHS CODE: [] | EPF CAT : 25C | COMIREX NO: [] |
| VERKHNYAYA SALDA ICBM HQ RECEIVER BKR HARD | | UR 580426N 0602441E |
| WAC NO : 0156 | BE/OBJ NO: [] | NPIC NO : - 29-E1 |
| IDHS CODE: [] | EPF CAT : 25C | COMIREX NO: [] |
| NOVOSIBIRSK ICBM HQ RADCOM RECEIVER BKR HARD | | UR 551621N 0825853E |
| WAC NO : 0162 | BE/OBJ NO: [] | NPIC NO : - 7-F1 |
| IDHS CODE: [] | EPF CAT : 25C | COMIREX NO: [] |
| NOVOSIBIRSK ICBM COMPLEX COMMAND POST BKR | | UR 550918N 0825700E |
| WAC NO : 0162 | BE/OBJ NO: [] | NPIC NO : - 7-F6 |
| IDHS CODE: [] | EPF CAT : 25C | COMIREX NO: [] |

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MOZYR MRBM DIVISION HQ RADCOM TRANSMITTER STA UR 520542N 0291658E
WAC NO : 0168 BE/OBJ NO: NPIC NO : - 110-H
IDHS CODE: EPF CAT : 25C COMIREX NO:
MOZYR MRBM DIVISION HQ RADCOM RCVR BKR HARD UR 520424N 0290645E
WAC NO : 0168 BE/OBJ NO: NPIC NO : - 110-I
IDHS CODE: EPF CAT : 25C COMIREX NO:
MOZYR MRBM DIVISION COMMAND POST BUNKERED UR 520428N 0290641E
WAC NO : 0168 BE/OBJ NO: NPIC NO : - 110-I2
IDHS CODE: EPF CAT : 25C COMIREX NO:
KOZHANOVICHI MRBM REGIMENTAL HQ RADCOM XMTR UR 521602N 0280521E
WAC NO : 0168 BE/OBJ NO: NPIC NO : - 209
IDHS CODE: EPF CAT : 25C COMIREX NO:
KONKOVICHI MRBM REGIMENTAL COMMAND POST BKR UR 521036N 0283441E
WAC NO : 0168 BE/OBJ NO: NPIC NO : - 137-A4
IDHS CODE: EPF CAT : 25C COMIREX NO:
DROVYANAYA ICBM HQ RADCOM XMTR STATION BKR UR 513741N 1133859E
WAC NO : 0201 BE/OBJ NO: NPIC NO : - 53-K6
IDHS CODE: EPF CAT : 25C COMIREX NO:
DROVYANAYA ICBM HQ RADCOM RECEIVER BKR HARD UR 513141N 1130356E
WAC NO : 0201 BE/OBJ NO: NPIC NO : - 53-D
IDHS CODE: EPF CAT : 25C COMIREX NO:
KOZHANOVICHI MRBM REGIMENTAL HQ RADCOM RCVR UR 521100N 0274800E
WAC NO : 0168 BE/OBJ NO: NPIC NO : - 156-H
IDHS CODE: EPF CAT : 25C COMIREX NO:
KONKOVICHI MRBM REGIMENTAL HQ RECEIVER BKR UR 521049N 0283613E
WAC NO : 0168 BE/OBJ NO: NPIC NO : - 137-A1
IDHS CODE: EPF CAT : 25C COMIREX NO:
ELECTRONICS COMMAND CNTRL COMMO SS-20 ASSOC UR
WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 25C COMIREX NO:
GLADKAYA ICBM HQ RADCOM XMTR STA COMD CONTROL UR 560927N 0930036E
WAC NO : 0159 BE/OBJ NO: NPIC NO : - 7-A4
IDHS CODE: EPF CAT : 25C COMIREX NO:
GLADKAYA ICBM HQ RADCOM RCVR STA COMD CONTROL UR 561544N 0921645E
WAC NO : 0159 BE/OBJ NO: NPIC NO : - 7-Y
IDHS CODE: EPF CAT : 25C COMIREX NO:
GLADKAYA ICBM COMPLEX CP BKR COMD CNTRL FACS UR 561419N 0921918E
WAC NO : 0159 BE/OBJ NO: NPIC NO : - 7-Y1
IDHS CODE: EPF CAT : 25C COMIREX NO:
GLADKAYA ICBM SITE 3 DISMANTLED UR 562027N 0921956E
WAC NO : 0159 BE/OBJ NO: NPIC NO : - 7-I3
IDHS CODE: EPF CAT : 40A COMIREX NO:
GLADKAYA ICBM SITE 2 DEACTIVATED UR 562459N 0922702E

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| WAC NO : 0159 | BE/OBJ NO: [] | NPIC NO : - 7-L2 |
| IDHS CODE: [] | EPF CAT : 40A | COMIREX NO: [] |
| KONKOVICHI MOBILE IRBM BASE | COMMAND CNTRL FAC | UR 521040N 0283445E |
| WAC NO : 0168 | BE/OBJ NO: [] | NPIC NO : - 137-A5 |
| IDHS CODE: [] | EPF CAT : 25C | COMIREX NO: [] |
| NOVOSIBIRSK MOBILE IRBM BASE | 2 COMMAND CNTRL | UR 552215N 0831401E |
| WAC NO : 0162 | BE/OBJ NO: [] | NPIC NO : - 7-K |
| IDHS CODE: [] | EPF CAT : 25C | COMIREX NO: [] |
| NOVOSIBIRSK MOBILE IRBM BASE | 1 COMD CNTRL FAC | UR 551904N 0831001E |
| WAC NO : 0162 | BE/OBJ NO: [] | NPIC NO : - 7-K1 |
| IDHS CODE: [] | EPF CAT : 25C | COMIREX NO: [] |
| SMORGON MOBILE IRBM BASE 1 | COMMAND CNTRL FACS | UR 543151N 0261723E |
| WAC NO : 0168 | BE/OBJ NO: [] | NPIC NO : - 68-A6 |
| IDHS CODE: [] | EPF CAT : 25C | COMIREX NO: [] |
| POSTAVY MOBILE IRBM BASE | COMMAND CONTROL FACS | UR 550941N 0265346E |
| WAC NO : 0168 | BE/OBJ NO: [] | NPIC NO : - 58-D3 |
| IDHS CODE: [] | EPF CAT : 25C | COMIREX NO: [] |
| KOZHANOVICHI MOBILE IRBM BASE | COMD CNTRL FAC | UR 521127N 0274843E |
| WAC NO : 0168 | BE/OBJ NO: [] | NPIC NO : - 156-B3 |
| IDHS CODE: [] | EPF CAT : 25C | COMIREX NO: [] |
| MOZYR MOBILE IRBM BASE + TRNG | FAC COMD CNTRL | UR 520210N 0291108E |
| WAC NO : 0168 | BE/OBJ NO: [] | NPIC NO : - 110-E1 |
| IDHS CODE: [] | EPF CAT : 25C | COMIREX NO: [] |
| DROVYANAYA MOBILE IRBM BASE 3 | COMD CNTRL FAC | UR 512558N 1130305E |
| WAC NO : 0201 | BE/OBJ NO: [] | NPIC NO : - 53-A8 |
| IDHS CODE: [] | EPF CAT : 25C | COMIREX NO: [] |
| DROVYANAYA MOBILE IRBM BASE 2 | COMD CNTRL FAC | UR 512021N 1130114E |
| WAC NO : 0201 | BE/OBJ NO: [] | NPIC NO : - 53-N |
| IDHS CODE: [] | EPF CAT : 25C | COMIREX NO: [] |
| DROVYANAYA MOBILE IRBM BASE 1 | COMD CNTRL FAC | UR 512718N 1130402E |
| WAC NO : 0201 | BE/OBJ NO: [] | NPIC NO : - 53-M1 |
| IDHS CODE: [] | EPF CAT : 25C | COMIREX NO: [] |

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THIS REPORT GIVES AN ANALYSIS OF ALL MOBILE GUIDANCE-RELATED FACILITIES SEEN AT DROVYANAYA MOBILE IRBM BASES 1, 2, AND 3; MOZYR MOBILE IRBM BASE/TRAINING FACILITY; AND NOVOSIBIRSK MOBILE IRBM BASES 1 AND 2 AND ANY NEW GUIDANCE-RELATED FACILITIES SEEN AT OTHER MOBILE SS-20 BASES. A SEARCH WAS ALSO DONE FOR ALL MOBILE/SS-20 BASES AND THE DIVISION COMMAND/CONTROL FACILITIES FOR ANY COMMUNICATIONS VEHICLES/EQUIPMENTS ASSOCIATED WITH THE SS-20 SYSTEM.*

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DIA NBRG NDA06-5035-78 18 APR 79 SEC CLASS: 05G MSN: 0001P ACCN: S087010

SOVETSKAYA GAVAN NAVAL BASE + SHIPYARD 263 UR 485738N 1401623E
WAC NO : 0204 BE/OBJ NO: NPIC NO : - 29-F
IDHS CODE: EPF CAT : 75B COMIREX NO:
SOVETSKAYA GAVAN NAVAL BASE + SHIPYARD 263 UR 485738N 1401623E
WAC NO : 0204 BE/OBJ NO: NPIC NO : - 29-F
IDHS CODE: EPF CAT : 75E COMIREX NO:

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DIA NBRG NDA06-5036-78 18 APR 79 SEC CLASS: 05G MSN: 0001P ACCN: S087011

SOVETSKAYA GAVAN SHIP REPAIR YARD BYAUDE UR 490038N 1401438E
WAC NO : 0204 BE/OBJ NO: NPIC NO : - 29-K1

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| | IDHS CODE: [] | EPF CAT : 75E | COMIREX NO: | | 25X1 |
| DIA | NBRG | NDA06-5037-78 | 18 APR 79 | SEC CLASS: 05G MSN: 0001P | ACCN: S087012 |
| | STRELOK ZALIV NAVAL MISSILE STORAGE 2 | | | UR 425331N 1323327E | |
| | WAC NO : 0291 | BE/OBJ NO: [] | NPIC NO : - 65-A1 | | 25X1 |
| | IDHS CODE: [] | EPF CAT : 40G | COMIREX NO: | | 25X1 |
| DIA | NBRG | NDA06-5038-78 | 18 APR 79 | SEC CLASS: 05G MSN: 0001P | ACCN: S087013 |
| | PETROPAVLOVSK NAVAL MISSILE STORAGE | | | UR 525653N 1582258E | |
| | WAC NO : 0194 | BE/OBJ NO: [] | NPIC NO : - 12-K | | 25X1 |
| | IDHS CODE: [] | EPF CAT : 40G | COMIREX NO: [] | | 25X1 |
| DIA | NBRG | NDA06-5039-78 | 18 APR 79 | SEC CLASS: 05G MSN: 0001P | ACCN: S087014 |
| | KORSAKOV NAVAL BASE | | | UR 463801N 1424551E | |
| | WAC NO : 0281 | BE/OBJ NO: [] | NPIC NO : - 28-B | | 25X1 |
| | IDHS CODE: [] | EPF CAT : 75B | COMIREX NO: [] | | 25X1 |
| DIA | NBRG | NDA06-5040-78 | 18 APR 79 | SEC CLASS: 05G MSN: 0001P | ACCN: S087015 |
| | Khabarovsk Naval Base Ostrov Zayachiy | | | UR 483430N 1350150E | |
| | WAC NO : 0204 | BE/OBJ NO: [] | NPIC NO : - 7-F2 | | 25X1 |
| | IDHS CODE: [] | EPF CAT : 75B | COMIREX NO: [] | | 25X1 |

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NAVY BIIR RRG23-5002-78 DEC 78 SEC CLASS: 04 MSN: 0078P ACCN: 5087041

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|---------------------------|-------------|
| SHIPS, KRIVAK-1 CLASS FFG | UR |
| WAC NO : | NPIC NO : - |
| IDHS CODE: | COMIREX NO: |
| SHIPS, KRIVAK-2 CLASS FFG | UR |
| WAC NO : | NPIC NO : - |
| IDHS CODE: | COMIREX NO: |

THIS REPORT PROVIDES A DETAILED, IMAGERY-DERIVED ANALYSIS OF THE KRIVAK-I AND KRIVAK-II CLASS GUIDED MISSILE FRIGATES (FFGS) AND IS BASED ON HIGH-RESOLUTION AERIAL AND GROUND PHOTOGRAPHY. IT INCLUDES BASIC DIMENSIONAL CHARACTERISTICS, COMPREHENSIVE ARMAMENT AND ELECTRONICS INVENTORIES, ANNOTATED PHOTOGRAPHIC ILLUSTRATIONS, SCALE DRAWINGS, INDIVIDUAL UNIT IDENTIFICATION SECTIONS, AND REFERENCE DATA.

KRIVAK-I AND KRIVAK-II CLASS FFGS REPRESENT MODERN, HIGHLY SOPHISTICATED ADDITIONS TO THE SOVIET FLEET WHICH SUPPLEMENT THE AGING SKORYY CLASS DDS AND RIGA CLASS FFS. THE 123.4 METER LONG BY 14.3 METER WIDE KRIVAK HULLS SUPPORT WEAPONRY TO ACCOMPLISH A PRIMARY MISSION OF ASW IN ADDITION TO SECONDARY MISSIONS OF AAW AND ANTISHIP WARFARE. THE STEPPED HULL, TAPERED SINGLE STACK, AND RELATIVELY LOW SUPERSTRUCTURE GIVE THE KRIVAK CLASSES A SLEEK, LOW PROFILE.

THIS REPORT SUPERSEDES RRG-23/5004/76, KRIVAK CLASS DDGSP, OF NOVEMBER 1975. THE INTELLIGENCE CUTOFF DATE FOR THIS REPORT IS JUNE 1978.

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NPIC PIR PIR020-79 APR 79 SEC CLASS: 25D MSN: 0011P ACCN: S08704725X1

WUCHAI MTC CSS-X-4 SILO LAUNCH CH 384950N 1113620E
WAC NO : 0382 BE/OBJ NO: NPIC NO : - 77-F
IDHS CODE: EPF CAT : 40A COMIREX NO:

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THIS REPORT PROVIDES AN IMAGERY-DERIVED SUMMARY AND ASSESSMENT OF THE DEVELOPMENTS AND OF THE PREPARATIONS OBSERVED AT THE WU-CHAI MISSILE TEST CENTER (MTC) WHICH LED TO THE FIRST IN-SILO LAUNCH OF THE PEOPLE'S REPUBLIC OF CHINA'S (PRC) LARGE ICBM, THE CSS-X-4. ACTIVITIES OBSERVED AT WU-CHAI THAT ARE RELIABLE INDICATORS OF AN IMPENDING TEST FROM THE SILO AND OF THE INTENDED DIRECTION OF FLIGHT OF THE MISSILE ARE INCLUDED IN THIS REPORT. THE QUANTITY AND THE INTERPRETABILITY OF THE IMAGERY NEEDED TO DETECT AN UPCOMING TEST ARE ALSO DISCUSSED.

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CIA INFR IS10069K-79 18 APR 79 [REDACTED] SEC CLASS: 13 MSN: 0002P ACCN: S087056 25X1

MISSILES, REAR SUPT DPOS SS-16/20 EQUIP SRCH UR
 WAC NO : BE/OBJ NO: NPIC NO : -
 IDHS CODE: EPF CAT : 40A COMIREX NO:
 MISSILES, REAR SUPT DPOS SS-16/20 EQUIP SRCH UR
 WAC NO : BE/OBJ NO: NPIC NO : -
 IDHS CODE: EPF CAT : 40B COMIREX NO:
 NOVAYA MEZINOVKA MISSILE SUPT REAR DPO SS-20 UR 533047N 0265525E
 WAC NO : 0168 BE/OBJ NO: NPIC NO : - 131-A
 IDHS CODE: EPF CAT : 40B COMIREX NO:

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CIA INFR IS10001K-79 16 MAR 79 [REDACTED] SEC CLASS: 13 MSN: 0011P ACCN: S087057 25X1

KURGAN MEDICINAL PREPARATIONS PLANT UR 552409N 0651257E
 WAC NO : 0164 BE/OBJ NO: NPIC NO : -
 IDHS CODE: EPF CAT : 30F COMIREX NO:

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THIS MEMORANDUM DISCUSSES THE KURGAN MEDICAL PREPARATIONS PLANT ON THE SOUTHERN OUTSKIRTS OF KURGAN, IN THE RUSSIAN SFSR. INFORMATION FROM SOVIET SOURCES INDICATES THAT THE PLANT BEGAN OPERATION IN 1958 AND THAT IT PRODUCES PLANT AND ANIMAL GROWTH STIMULANTS AND ANTIBIOTICS. PHOTOGRAPHY SHOWS THAT THE PLANT WAS PARTIALLY COMPLETE IN DECEMBER 1961 AND THAT IT HAS BEEN GRADUALLY EXPANDED SINCE THEN. AN INTERESTING FEATURE OF THE PLANT IS A SPECIAL STORAGE AREA WHICH IS VIRTUALLY IDENTICAL TO STORAGE AREAS FOUND AT PLANTS IN BERDSK AND PENZA. LIKE KURGAN, THE BERDSK AND PENZA PLANTS REPORTEDLY PRODUCE PHARMACEUTICALS OR ANIMAL GROWTH STIMULANTS. THE PRODUCTION BUILDINGS AND SOME OF THE BUILDINGS IN THE STORAGE AREAS AT THE BERDSK, KURGAN, AND PENZA PLANTS--SUCH AS THE PRODUCT HANDLING/LOADING BUILDINGS AND FOUR SMALL STORAGE BUILDINGS CONTAINED [REDACTED]

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THREE OTHER PLANTS--AT AKSU, OMTNINSK, AND POKROV--HAVE BEEN IDENTIFIED ON PHOTOGRAPHY WHICH ALSO

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CONTAIN SPECIAL STORAGE AREAS WITH BUILDINGS SIMILAR TO THOSE AT SVERDLOVSK AND ZAGORSK. THE PRODUCTION BUILDINGS IN THESE PLANTS ALSO APPEAR SIMILAR TO THOSE AT BERDSK, KURGAN, PENZA, SVERDLOVSK, AND ZAGORSK. THE AKSU, OMTNINSK, AND POKROV PLANTS ALSO ARE OR HAVE BEEN SUSPECTED BY SOME ANALYSTS OF HAVING A PHOTOGRAPHY, THERE HAS BEEN NO INTELLIGENCE SOURCE REPORTING ON AKSU.

INTELLIGENCE SOURCES OTHER THAN PHOTOGRAPHY INDICATE THE OMTNINSK AND POKROV PLANTS ARE ENGAGED IN RESEARCH AND PRODUCTION OF VETERINARY MEDICINES. OTHER THAN THIS MEMORANDUM DESCRIBES THE FACILITIES AT THE KURGAN PLANT, BRIEFLY OUTLINES THE PLANT'S CONSTRUCTION CHRONOLOGY, AND DISCUSSES THE SIMILARITIES OF THIS PLANT WITH THE OTHER PLANTS HAVING SIMILAR FEATURES.

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CIA INFR IS10070J-79 17 APR 79 [REDACTED] SEC CLASS: 24 MSN: 0005P ACCN: S087065

| | |
|---|--------------------------------------|
| MOSKVA/SHCHELKOVO AIRFIELD TASM NEW IDENT | UR 555248N 0380347E |
| WAC NO : 0167 | BE/OBJ NO: [REDACTED] NPIC NO : - 51 |
| IDHS CODE: [REDACTED] | EPF CAT : 05A COMIREX NO: [REDACTED] |
| MOSKVA/SHCHELKOVO AIRFIELD TASM NEW IDENT | UR 555248N 0380347E |
| WAC NO : 0167 | BE/OBJ NO: [REDACTED] NPIC NO : - 51 |
| IDHS CODE: [REDACTED] | EPF CAT : 40J COMIREX NO: [REDACTED] |

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A NEW TACTICAL AIR-LAUNCHED MISSILE, WHICH PROBABLY SERVES AN AIR-TO-SURFACE (TASM) ROLE, WAS IMAGED AT MOSCOW-SHCHELKOVO AIRFIELD [REDACTED] THE MISSILE WAS PART OF A DISPLAY OF MILITARY ORDNANCE ALONG-SIDE A FENCER AIRCRAFT. THIS MISSILE HAS NOT PREVIOUSLY BEEN OBSERVED ON IMAGERY.

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CIA INFR IS10067J-79 11 APR 79 [REDACTED] SEC CLASS: 25 MSN: 0020P ACCN: 5087067 25X1

AIRCRAFT, COOT IL-22 AIRBORNE COMD POST MODIF UR
WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 05D COMIREX NO:

AT LEAST 11 IL-18 COOT HAVE BEEN MODIFIED TO FUNCTION AS THE AIRBORNE COMMAND POST (ACP) FOR THE SOVIET GENERAL STAFF AND PROBABLY OTHER STRATEGIC LEVELS OF COMMAND. THIS MODIFICATION WAS FIRST REPORTED BY FTD IN JUNE 1975. THE MODIFICATIONS INCLUDE A CIGAR-SHAPED POSSIBLE ELECTRONICS COUNTER-COUNTER MEASURES (ECCM) POD MOUNTED ON THE VERTICAL STABILIZER AND SEVEN OTHER ANTENNAS MOUNTED ON THE DORSAL FUSELAGE. THE SOVIETS HAVE DESIGNATED THIS VERSION OF THE COOT THE IL-22.

CIA INFR IS10056K-79 26 MAR 79 [REDACTED] SEC CLASS: 13 MSN: 0006P ACCN: 5087068 25X1

AIRCRAFT, FLOGGER F MIG-23 CU
WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 05D COMIREX NO:
AIRCRAFT, FLOGGER C MIG-23 CU
WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 05D COMIREX NO:

A RECENT ISSUE OF OLIVO VERDE (7/79), A CUBAN PICTORIAL MAGAZINE, CONTAINED A FEATURE ARTICLE WITH SEVERAL PHOTOGRAPHS OF FLOGGER AIRCRAFT. ALTHOUGH THE PHOTOGRAPHIC QUALITY IS POOR, OIA WAS ABLE TO DETERMINE THE NUMBER AND MODELS OF FLOGGER, THE TYPE ORDNANCE THEY WERE CONFIGURED TO CARRY, AND THE LIKELY LOCATION OF AT LEAST ONE OF THE GROUND VIEWS. THE NARRATIVE ACCOMPANYING THE PHOTOGRAPHY PROVIDED ALMOST NO INTELLIGENCE INFORMATION.

CIA INFR IS10075J-79 20 APR 79 [REDACTED] SEC CLASS: 24 MSN: 0010P ACCN: 5087069 25X1

NAVAL, ACTIVITY SUMMARY SALT RELATED UR
WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 75 COMIREX NO:

THIS MEMORANDUM SUMMARIZES SOVIET STRATEGIC NAVAL ACTIVITY [REDACTED] 25X1
[REDACTED] IT ALSO DISCUSSES UNUSUAL DEPLOYMENT OF NAVAL BALLISTIC-MISSILE AND LONG-RANGE, 25X1
CRUISE-MISSILE LAUNCH PLATFORMS OBSERVED DURING THE REPORTING PERIOD.

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CIA INFR IS10058K-79 28 MAR 79 [] SEC CLASS: 13 MSN: 0003P ACCN: S087070 25X1

KANDALAKSHA MILITARY BKS AL2/HQ MRD MRR IDENT UR 671019N 0322523E
 WAC NO : 0091 BE/OBJ NO: [] NPIC NO : - 6-I
 IDHS CODE: [] EPF CAT : 35A COMIREX NO: []
 ALAKURTTI ARMY BARRACKS AL1 MRR + ARTY REGT UR 665805N 0302027E
 WAC NO : 0091 BE/OBJ NO: [] NPIC NO : - 2-D2
 IDHS CODE: [] EPF CAT : 35A COMIREX NO: []
 KEM MILITARY BARRACKS AL3 MTRZD RIFLE REGT UR 645710N 0343433E
 WAC NO : 0091 BE/OBJ NO: [] NPIC NO : - 7-E
 IDHS CODE: [] EPF CAT : 35A COMIREX NO: []

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OIA HAS IDENTIFIED AN ADDITIONAL MOTORIZED RIFLE REGIMENT (MRR) AT ONE OF THE INSTALLATIONS HOUSING ELEMENTS OF A MOTORIZED RIFLE DIVISION HEADQUARTERED IN KANDALAKSHA. THE MAJOR ELEMENTS OF THIS DIVISION HAVE BEEN CARRIED AT KANDALAKSHA, ALAKURTTI, AND KEM. THE ADDITION OF THIS MRR MAY INDICATE THAT THE MRR AT KEM IS NO LONGER SUBORDINATE TO THIS DIVISION. EACH OF THE MOTORIZED RIFE BATTALIONS IN THE DIVISION'S MRRS EMPLOYS MTLBS RATHER THAN GT-TS AS ARMORED PERSONNEL CARRIERS. OIA HAS ALSO IDENTIFIED A DIVISIONAL ARTILLERY REGIMENT EQUIPPED WITH 122-MM AND PROBABLE 152-MM HOWITZERS.

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NPIC PIR PIR027-79 APR 79 [] SEC CLASS: 25A MSN: [] 0004P ACCN: S087114 25X1

KUZNETSOVO AIRCRAFT/MISSILE ENGINE TEST FAC UR 553226N 0382941E
 WAC NO : 0167 BE/OBJ NO: [] NPIC NO : - 215-A
 IDHS CODE: [] EPF CAT : 05G COMIREX NO: []

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KUZNETSOVO AIRCRAFT/MISSILE ENGINE TEST FAC UR 553226N 0382941E
WAC NO : 0167 BE/OBJ NO: NPIC NO : - 215-A
IDHS CODE: EPF CAT : 40E COMIREX NO:

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THIS REPORT PROVIDES AN INITIAL DESCRIPTION OF THE KUZNETSOVO ENGINE TEST FACILITY (FORMERLY THE KUZNETSOVO PROBABLE AIRCRAFT ENGINE TEST FACILITY) IN THE USSR. THIS REPORT INCLUDES A LOCATION MAP, ONE ANNOTATED PHOTOGRAPH, AND A LINE DRAWING.*

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NPIC SR SR020-79 APR 79 SEC CLASS: 25B MSN: 0004P ACCN: 5087118 25X1

ELECTRONICS, RAMONA M MOBILE ELINT SYSTEM CZ
WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 25A COMIREX NO:

RECENTLY RECEIVED NSA REPORTS HAVE INDICATED THE PRODUCTION AND TESTING OF A MOBILE VERSION OF THE RAMONA AUTOMATED ELINT COLLECTION AND TARGET LOCATING SYSTEM IN CZECHOSLOVAKIA. DETAILED ANALYSIS OF INDICATES THAT THIS MOBILE VERSION, THE RAMONA-M, WAS PROBABLY PRESENT AT OPATOVICE ARMY BARRACKS 001 CZECHOSLOVAKIA.

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NPIC PIR PIR017-79 APR 79 [] SEC CLASS: 14 MSN: [] 0005P

ACCN: S087122 25X1

BACAU AIRFRAME PLANT

WAC NO : 0251

IDHS CODE: []

BE/OBJ NO: []
EPF CAT : 056

RO 463120N 0265510E

NPIC NO : - 68-B

COMIREX NO:

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THIS IS THE INITIAL NPIC REPORT ON BACAU AIRFRAME PLANT, THE LARGEST AIRFRAME PLANT IN ROMANIA. THE PLANT COMPRISES 73 BUILDINGS AND STRUCTURES, OF WHICH 66 ARE CONSIDERED SIGNIFICANT, AND CONTAINS 101,525 SQUARE METERS OF FLOORSPACE. A LOCATION MAP, THREE ANNOTATED PHOTOGRAPHS, AND A TABLE OF DESCRIPTIVE AND MENSURAL DATA ARE INCLUDED IN THIS REPORT.

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| DIA | NBRG | NDA06-5027-78 | 27 APR 79 | SEC CLASS: 05G | MSN: | 0001P | ACCN: S087137 |
| | | CHINGTAO NAVAL DOCKYARD | | | | | |
| | | WAC NO : 0381 | BE/OBJ NO: [] | | | CH 360424N 1201818E | |
| | | IDHS CODE: [] | EPF CAT : 75B | | | NPIC NO : - 13-E | 25X1 |
| | | CHINGTAO NAVAL DOCKYARD | | | | COMIREX NO: [] | 25X1 |
| | | WAC NO : 0381 | BE/OBJ NO: [] | | | CH 360424N 1201818E | |
| | | IDHS CODE: [] | EPF CAT : 75E | | | NPIC NO : - 13-E | 25X1 |
| | | | | | | COMIREX NO: [] | 25X1 |
| DIA | NBRG | NDA06-5028-78 | 27 APR 79 | SEC CLASS: 05G | MSN: | 0001P | ACCN: S087138 |
| | | TAKUSHAN NAVAL FACILITIES PUG | | | | | |
| | | WAC NO : 0381 | BE/OBJ NO: [] | | | CH 385700N 1215019E | |
| | | IDHS CODE: [] | EPF CAT : 75B | | | NPIC NO : - 62-J | 25X1 |
| | | | | | | COMIREX NO: [] | 25X1 |
| DIA | NBRG | NDA06-5029-78 | 27 APR 79 | SEC CLASS: 05G | MSN: | 0001P | ACCN: S087139 |
| | | CHINGTAO NAVAL SHIPYARD | | | | | |
| | | WAC NO : 0381 | BE/OBJ NO: [] | | | CH 360345N 1201740E | |
| | | IDHS CODE: [] | EPF CAT : 75B | | | NPIC NO : - 13-E2 | 25X1 |
| | | CHINGTAO NAVAL SHIPYARD | | | | COMIREX NO: [] | 25X1 |
| | | WAC NO : 0381 | BE/OBJ NO: [] | | | CH 360345N 1201740E | |
| | | IDHS CODE: [] | EPF CAT : 75E | | | NPIC NO : - 13-E2 | 25X1 |
| | | | | | | COMIREX NO: [] | 25X1 |
| DIA | NBRG | NDA06-5030-78 | 27 APR 79 | SEC CLASS: 05G | MSN: | 0001P | ACCN: S087140 |

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25X1

25X1

25X1

TOP SECRET CHESS RUFF

25X1

TOP SECRET CHESS RUFF

25X1

WENCHOU SHIPYARD + NAVAL FACILITY

WAC NO : 0492
IDHS CODE: [REDACTED]BE/OBJ NO: [REDACTED]
EPF CAT : 75B

CH 280130N 1204006E

NPIC NO : - 39-D2
COMIREX NO: [REDACTED]25X1
25X1

WENCHOU SHIPYARD + NAVAL FACILITY

WAC NO : 0492
IDHS CODE: [REDACTED]BE/OBJ NO: [REDACTED]
EPF CAT : 75E

CH 280130N 1204006E

NPIC NO : - 39-D2
COMIREX NO: [REDACTED]25X1
25X1

DIA NBRG NDA06-5031-78 27 APR 79

SEC CLASS: 05G MSN: 0001P

ACCN: S087141

SHANGHAI SHIPYARD PUTUNG

WAC NO : 0492
IDHS CODE: [REDACTED]BE/OBJ NO: [REDACTED]
EPF CAT : 75E

CH 311504N 1213103E

NPIC NO : - 28-U5
COMIREX NO: [REDACTED]25X1
25X1

DIA NBRG NDA06-5032-78 27 APR 79

SEC CLASS: 05G MSN: 0001P

ACCN: S087142

SHANGHAI SHIPYARD WEST

WAC NO : 0492
IDHS CODE: [REDACTED]BE/OBJ NO: [REDACTED]
EPF CAT : 75E

CH 311524N 1213103E

NPIC NO : - 28-S5
COMIREX NO: [REDACTED]25X1
25X1

CIA IRP IS10049K-79 APR 79 [REDACTED]

SEC CLASS: 14E MSN: 0027P

ACCN: S087146 25X1

INDUSTRY, AMMONIA PLANTS IMPORTED PROD IMPACT

WAC NO :
IDHS CODE:BE/OBJ NO:
EPF CAT : 30FUR
NPIC NO : -
COMIREX NO:

PHOTOGRAPHIC ANALYSIS INDICATES THAT THE SOVIET UNION'S PROGRAM TO IMPORT AMMONIA PLANTS BASED ON WESTERN TECHNOLOGY WILL ENABLE THE SOVIETS TO SURPASS THE US AS THE WORLD'S LEADER IN AMMONIA PRODUCTION CAPACITY BY 1980. AS PART OF A MAJOR PROGRAM WHICH BEGAN IN THE 1970S AND WILL CONTINUE INTO THE EARLY 1980S, THE USSR HAS COMPLETED SOME AND IS SCHEDULED TO BUILD THE REMAINDER OF 45 PLANNED LARGE-CAPACITY IMPORTED AMMONIA PLANTS. THE TOTAL PRODUCTION CAPACITY OF THESE PLANTS IS EXPECTED TO BE 19.6 METRIC TONS PER YEAR, WHICH IS ABOUT TWICE THE SOVIET'S 1970 AMMONIA PRODUCTION CAPACITY OF 9.0 MILLION METRIC TONS. THE SOVIET UNION ALSO EXPECTS TO COMPLETE A 2,250-KILOMETER AMMONIA PIPELINE SYSTEM WITH APPROXIMATELY 30 DISTRIBUTION POINTS AND TWO PORT FACILITIES TO HANDLE AMMONIA EXPORTS AND CHEMICAL IMPORTS.

THE RAPID GROWTH OF THE SOVIET AMMONIA INDUSTRY WILL IMPACT PRIMARILY IN TWO AREAS -- THE SOVIET FERTILIZER INDUSTRY AND THE WORLD AMMONIA MARKET. LARGE SCALE GROWTH IS EXPECTED IN THE PRODUCTION CAPACITY OF AMMONIA-RELATED FERTILIZERS -- NITROGEN FERTILIZER PRODUCTION CAPACITY (UREA AND AMMONIUM NITRATE) AND THE PRODUCTION CAPACITY OF AMMONIA-BASED COMPLEX FERTILIZERS. THE INFUSION OF LARGE QUANTITIES OF AMMONIA INTO THIS EXPANDING FERTILIZER INDUSTRY IS ESSENTIAL TO THE SOVIET UNION'S PRIORITY PROGRAM TO INCREASE AGRICULTURAL YIELDS. THE GROWTH IN AMMONIA PRODUCTION CAPACITY IS ALSO EXPECTED TO GENERATE INCREASING AMOUNTS OF EXCESS AMMONIA IN AN ALREADY DEPRESSED WORLD MARKET. MOST OF THE EXCESS AMMONIA PROBABLY WILL BE USED INITIALLY IN EXTENSIVE MULTINATIONAL COMPENSATION AGREEMENTS, INSURING THAT THE USSR WILL BE A MAJOR EXPORTER.

ACCORDING TO SOME SOVIET SOURCES, RELIANCE ON FOREIGN TECHNOLOGY FOR THE GROWTH OF THE SOVIET'S AMMONIA

TOP SECRET CHESS RUFF

25X1

CAPACITY STEMS FROM THE FAILURE OF THE SOVIET MACHINE BUILDING INDUSTRY TO DEVELOP THE CHEMICAL PROCESSING EQUIPMENT NEEDED FOR LARGE-CAPACITY AMMONIA PLANTS. PHOTOGRAPHIC EVIDENCE INDICATES THAT THE SOVIETS MAY HAVE USED SOME OF THE TECHNOLOGY THEY ACQUIRED FROM THE PURCHASE OF FOREIGN AMMONIA PROCESSES AND EQUIPMENT TO DEVELOP THEIR OWN LARGE-CAPACITY AMMONIA PROCESS. THE SOVIETS HAVE MODIFIED THE AMMONIA-SYNTHESIS PROCESS AT SEVERAL OF THE AMMONIA PLANTS THAT USE A US PROCESS AND HAVE ADDED A COMBINATION OF SOVIET AND FOREIGN PROCESSING EQUIPMENT. THIS MODIFICATION SUGGESTS THAT THEY EXPERIMENTED WITH THE US PROCESS PRIOR TO PUTTING WHAT THEY CLAIM TO BE THEIR OWN LARGE-CAPACITY AMMONIA PROCESS INTO COMMERCIAL USE.

ARMY BIIR RAC24-5011-78 DEC 78 SEC CLASS: 05B MSN: 0017P ACCN: S087147

ELECTRONICS, BMP M-1975 BATTLEFIELD RADAR UR
WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 25A COMIREX NO:

THIS BASIC IMAGERY INTERPRETATION REPORT (BIIR) CONTAINS A DESCRIPTION OF THE BMP M-1975 (SMALL FRED). BMP M-1975 DESIGNATES THE VEHICLE WHILE SMALL FRED IS THE OFFICIAL DESIGNATION OF THE RADAR ONLY. BMP M-1975 (SMALL FRED) IS AN AMPHIBIOUS, LIGHTLY ARMORED TRACKED VEHICLE AND GENERALLY ACCEPTED AS A BATTLEFIELD SURVEILLANCE RADAR SYSTEM ASSOCIATED WITH SOVIET ARTILLERY. THE BMP M-1975 (SMALL FRED) IS A MODIFIED BMP-A WITH A RADAR MOUNTED ON A NEW, TWO-MAN TURRET. THIS BMP IS DEPLOYED IN THE USSR AND WITH THE GROUP OF SOVIET FORCES GERMANY (GSFG).

INCLUDED IN THIS BIIR ARE AN ORTHOGRAPHIC DRAWING WITH DIMENSIONS, NINE PHOTOGRAPHS, A PHYSICAL DESCRIPTION, A DISCUSSION OF THIS BMP'S DEPLOYMENT AND ROLE, ANALYST'S COMMENTS, AND SOURCE REFERENCE DATA. INFORMATION IS CURRENT AS OF 1 JULY 1978.

25X1

NPIC PIR PIR024-79 APR 79 SEC CLASS: 25D MSN: 0006P ACCN: S087150

ELECTRONICS, DOME ANTS ICBM ASSOC BLDG5 HARD UR
WAC NO : BE/OBJ NO: NPIC NO :

25X1

132
TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

25X1
25X1

IDHS CODE: EPF CAT : 25C COMIREX NO:

SINCE EARLY 1978, CONCRETE AND STEEL SUPPORT STRUCTURES FOR HARDENED DOME ANTENNAS HAVE BEEN CONSTRUCTED IN DEEP, SQUARE EXCAVATIONS NEAR MODIFIED TYPE III-X ICBM LAUNCH CONTROL FACILITIES AND ASSOCIATED LAUNCH SITES IN THE USSR. THIS CONSTRUCTION OF CONCRETE AND STEEL SUPPORT STRUCTURES CAN NOW BE DESCRIBED IN DETAIL BECAUSE OF REPEATED OBSERVATIONS OF THE CONSTRUCTION PROCESS. THIS REPORT PRESENTS A DETAILED DESCRIPTION OF THE CONSTRUCTION OF THESE SUPPORT STRUCTURES AND CONTAINS A LOCATION MAP, LINE DRAWINGS, AND SEVEN ANNOTATED PHOTOGRAPHS.

| | | | | | | | |
|-----|------|--|----------------|----------------|---------|----------|---------------|
| DIA | NBRG | NDA07-5237-78 | 09 MAY 79 | SEC CLASS: 05B | MSN: | 0001P | ACCN: S087176 |
| | | SEMIPALATINSK ARMY BARRACKS AL1/HQ ARTY DIV | | UR | 502310N | 0801100E | |
| | | WAC NO : 0239 | BE/OBJ NO: [] | NPIC NO : | - | A-R1 | |
| | | IDHS CODE: [] | EPF CAT : 35A | COMIREX NO: | [] | | |
| DIA | NBRG | NDA07-5240-78 | 09 MAY 79 | SEC CLASS: 05B | MSN: | 0001P | ACCN: S087177 |
| | | BIYSK ARMY TRAINING AREA TA1 | | UR | 523036N | 0852110E | |
| | | WAC NO : 0161 | BE/OBJ NO: [] | NPIC NO : | - | 6-C | |
| | | IDHS CODE: [] | EPF CAT : 35B | COMIREX NO: | [] | | |
| DIA | NBRG | NDA07-5233-78 | 11 MAY 79 | SEC CLASS: 05G | MSN: | 0001P | ACCN: S087178 |
| | | KHABAROVSK MILITARY BARRACKS AL1 + HQ MRD | | UR | 482815N | 1350610E | |
| | | WAC NO : 0204 | BE/OBJ NO: [] | NPIC NO : | - | 7-22 | |
| | | IDHS CODE: [] | EPF CAT : 35A | COMIREX NO: | [] | | |
| DIA | NBRG | NDA07-5234-78 | 11 MAY 79 | SEC CLASS: 05G | MSN: | 0001P | ACCN: S087179 |
| | | KHABAROVSK ARMY BARRACKS AL30 | | UR | 482134N | 1350333E | |
| | | WAC NO : 0204 | BE/OBJ NO: [] | NPIC NO : | - | 7-D3 | |
| | | IDHS CODE: [] | EPF CAT : 35A | COMIREX NO: | [] | | |
| DIA | NBRG | NDA07-5235-78 | 11 MAY 79 | SEC CLASS: 05G | MSN: | 0001P | ACCN: S087180 |
| | | ANASTASYEVKA ARMY BARRACKS AL1/TRNG AREA TA1 | | UR | 483432N | 1353720E | |
| | | WAC NO : 0204 | BE/OBJ NO: [] | NPIC NO : | - | 41-B5 | |
| | | IDHS CODE: [] | EPF CAT : 35A | COMIREX NO: | [] | | |
| | | ANASTASYEVKA ARMY BARRACKS AL1/TRNG AREA TA1 | | UR | 483432N | 1353720E | |
| | | WAC NO : 0204 | BE/OBJ NO: [] | NPIC NO : | - | 41-B5 | |
| | | IDHS CODE: [] | EPF CAT : 35B | COMIREX NO: | [] | | |
| DIA | NBRG | NDA07-5236-78 | 11 MAY 79 | SEC CLASS: 05G | MSN: | 0001P | ACCN: S087181 |

25X1
25X125X1
25X125X1
25X125X1
25X125X1
25X125X1
25X1

25X1

TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

25X1

| | | | |
|-----|--|---------------------------|---------------|
| | GASTELLO ARMY BARRACKS AL1 | UR 490610N 1425700E | |
| | WAC NO : 0205 | NPIC NO : - 18-A2 | 25X1 |
| | IDHS CODE: [] | COMIREX NO: [] | 25X1 |
| DIA | NBRG NDA07-5238-78 11 MAY 79 | SEC CLASS: 056 MSN: 0001P | ACCN: S087182 |
| | BE/OBJ NO: [] | | |
| | EPF CAT : 35A | | |
| | YUZHNO SAKHALINSK ARMY BKS AL9/TRNG AREA TA1 | UR 465600N 1423700E | 25X1 |
| | WAC NO : 0281 | NPIC NO : - | 25X1 |
| | IDHS CODE: [] | COMIREX NO: [] | |
| | YUZHNO SAKHALINSK ARMY BKS AL9/TRNG AREA TA1 | UR 465600N 1423700E | 25X1 |
| | WAC NO : 0281 | NPIC NO : - | 25X1 |
| | IDHS CODE: [] | COMIREX NO: [] | 25X1 |
| DIA | NBRG NDA07-5239-78 11 MAY 79 | SEC CLASS: 056 MSN: 0001P | ACCN: S087183 |
| | BE/OBJ NO: [] | | |
| | EPF CAT : 35A | | |
| | YUZHNO SAKHALINSK MILITARY BKS AL1 + HQ MRD | UR 465904N 1424516E | 25X1 |
| | WAC NO : 0281 | NPIC NO : - 41-K | 25X1 |
| | IDHS CODE: [] | COMIREX NO: [] | 25X1 |
| DIA | NBRG NDA06-5018-78 16 MAY 79 | SEC CLASS: 056 MSN: 0001P | ACCN: S087186 |
| | BE/OBJ NO: [] | | |
| | EPF CAT : 35A | | |
| | PETROPAPLOVSK SHIPYARD 412 | UR 525743N 1584117E | 25X1 |
| | WAC NO : 0194 | NPIC NO : - 11-S | 25X1 |
| | IDHS CODE: [] | COMIREX NO: [] | |
| DIA | NBRG NDA06-5019-78 16 MAY 79 | SEC CLASS: 056 MSN: 0001P | ACCN: S087187 |
| | BE/OBJ NO: [] | | |
| | EPF CAT : 75E | | |
| | VLADIVOSTOK NAVAL BASE + REPAIR YARD DIOMID | UR 430530N 1315340E | 25X1 |
| | WAC NO : 0291 | NPIC NO : - 48-S1 | 25X1 |
| | IDHS CODE: [] | COMIREX NO: [] | |
| | VLADIVOSTOK NAVAL BASE + REPAIR YARD DIOMID | UR 430530N 1315340E | 25X1 |
| | WAC NO : 0291 | NPIC NO : - 48-S1 | 25X1 |
| | IDHS CODE: [] | COMIREX NO: [] | 25X1 |
| DIA | NBRG NDA06-5020-78 16 MAY 79 | SEC CLASS: 056 MSN: 0001P | ACCN: S087188 |
| | BE/OBJ NO: [] | | |
| | EPF CAT : 75B | | |
| | VLADIVOSTOK NAVAL INFANTRY INSTALLATION 1 | UR 430910N 1315830E | 25X1 |
| | WAC NO : 0291 | NPIC NO : - 48-U2 | 25X1 |
| | IDHS CODE: [] | COMIREX NO: [] | |
| DIA | NBRG NDA06-5021-78 16 MAY 79 | SEC CLASS: 056 MSN: 0001P | ACCN: S087189 |
| | BE/OBJ NO: [] | | |
| | EPF CAT : 75 | | |

TOP SECRET CHESS RUFF

25X1

TOP SECRET CHESS RUFF

25X1

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|-----|--|---------------------|-------------------|---------------|
| | SLAVYANKA SHIP REPAIR YARD | UR | 425200N 1312326E | |
| | WAC NO : 0291 | BE/OBJ NO: | NPIC NO : - 37-A3 | 25X1 |
| | IDHS CODE: [] | EPF CAT : 75E | COMIREX NO: [] | 25X1 |
| DIA | NBRG NDA06-5022-78 16 MAY 79 | SEC CLASS: 05G MSN: | 0001P | ACCN: S087190 |
| | KHABAROVSK SHIPYARD AMURFLOT | UR | 483440N 1350206E | |
| | WAC NO : 0204 | BE/OBJ NO: | NPIC NO : - 7-F | 25X1 |
| | IDHS CODE: [] | EPF CAT : 75E | COMIREX NO: [] | 25X1 |
| DIA | NBRG NDA06-5023-78 16 MAY 79 | SEC CLASS: 05G MSN: | 0001P | ACCN: S087191 |
| | PETROPAVLOVSK NAVAL BASE RAKOVAYA GUBA NORTH | UR | 525911N 1583932E | |
| | WAC NO : 0194 | BE/OBJ NO: | NPIC NO : - 12-N3 | 25X1 |
| | IDHS CODE: [] | EPF CAT : 75B | COMIREX NO: [] | 25X1 |
| DIA | NBRG NDA06-5048-78 11 MAY 79 | SEC CLASS: 05B MSN: | 0001P | ACCN: S087192 |
| | PECHENGA SUBMARINE BASE LINAKHAMARI | UR | 693803N 0312213E | |
| | WAC NO : 0051 | BE/OBJ NO: | NPIC NO : - 23 | 25X1 |
| | IDHS CODE: [] | EPF CAT : 75A | COMIREX NO: [] | 25X1 |
| DIA | NBRG NDA06-5049-78 11 MAY 79 | SEC CLASS: 05B MSN: | 0001P | ACCN: S087193 |
| | SEVERODVINSK NAVAL BASE WEST | UR | 643420N 0394551E | |
| | WAC NO : 0092 | BE/OBJ NO: | NPIC NO : - 7-1 | 25X1 |
| | IDHS CODE: [] | EPF CAT : 75B | COMIREX NO: [] | 25X1 |
| DIA | NBRG NDA06-5050-78 11 MAY 79 | SEC CLASS: 05B MSN: | 0001P | ACCN: S087194 |
| | RIGA NAVAL BASE + SHIPYARD BOLDERAJA | UR | 570302N 0240146E | |
| | WAC NO : 0153 | BE/OBJ NO: | NPIC NO : - 63-L | 25X1 |
| | IDHS CODE: [] | EPF CAT : 75B | COMIREX NO: [] | 25X1 |
| | RIGA NAVAL BASE + SHIPYARD BOLDERAJA | UR | 570302N 0240146E | |
| | WAC NO : 0153 | BE/OBJ NO: | NPIC NO : - 63-L | 25X1 |
| | IDHS CODE: [] | EPF CAT : 75E | COMIREX NO: [] | 25X1 |
| DIA | NBRG NDA06-5051-78 11 MAY 79 | SEC CLASS: 05B MSN: | 0001P | ACCN: S087195 |
| | KOLPINO SHIPYARD MIDDLE NEVA | UR | 594716N 0303754E | |
| | WAC NO : 0153 | BE/OBJ NO: | NPIC NO : - 36-J1 | 25X1 |
| | IDHS CODE: [] | EPF CAT : 75E | COMIREX NO: [] | 25X1X1 |

TOP SECRET CHESS RUFF

25X1

TOP SECRET CHESS RUFF

25X1

DIA NBRG NDA06-5052-78 11 MAY 79 SEC CLASS: 05B MSN: 0001P ACCN: S087196

POTI NAVAL BASE + SHIPYARD YELYAVA 201 UR 420935N 0413926E
WAC NO : 0324 BE/OBJ NO: NPIC NO : - 12-H
IDHS CODE: EPF CAT : 75B COMIREX NO:
POTI NAVAL BASE + SHIPYARD YELYAVA 201 UR 420935N 0413926E
WAC NO : 0324 BE/OBJ NO: NPIC NO : - 12-H
IDHS CODE: EPF CAT : 75E COMIREX NO:

25X1
25X1
25X1
25X1

DIA NBRG NDA06-5015-78 18 MAY 79 SEC CLASS: 05B MSN: 0001P ACCN: S087197

OCHAKOV NAVAL BASE UR 463700N 0313300E
WAC NO : 0250 BE/OBJ NO: NPIC NO : - 50-A3
IDHS CODE: EPF CAT : 75B COMIREX NO:

25X1
25X1

DIA NBRG NDA06-5016-78 18 MAY 79 SEC CLASS: 05B MSN: 0001P ACCN: S087198

KHERSON SHIPYARD UR 463647N 0323534E
WAC NO : 0250 BE/OBJ NO: NPIC NO : - 38-A
IDHS CODE: EPF CAT : 75E COMIREX NO:

25X1
25X1

DIA NBRG NDA06-5017-78 18 MAY 79 SEC CLASS: 05B MSN: 0001P ACCN: S087199

KHERSON SHIPYARD KUYBYSHEV UR 463715N 0323630E
WAC NO : 0250 BE/OBJ NO: NPIC NO : - 38-A1
IDHS CODE: EPF CAT : 75E COMIREX NO:

25X1
25X1

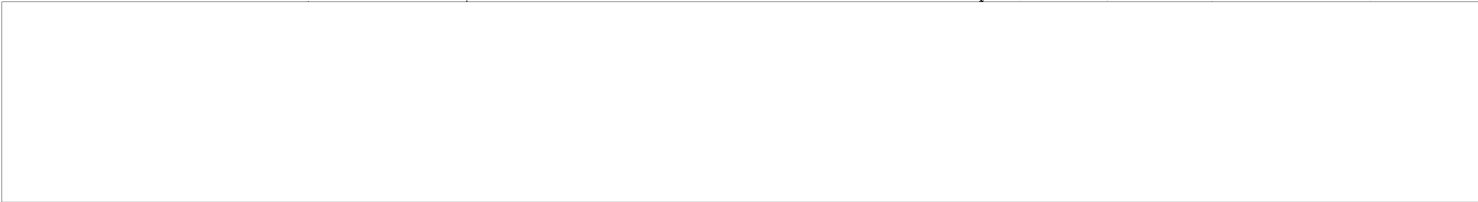
25X1

25X1

136
TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

25X1



25X1

DIA IIM 5B1-72195-79 14 MAY 79 [redacted] SEC CLASS: 14B MSN: [redacted] 0003P ACCN: S087223 25X1

ORASTIE AMMUNITION DEPOT 502

WAC NO : 0251

BE/OBJ NO: [redacted]

RO 455012N 0231002E

NPIC NO : -

IDHS CODE: [redacted]

EPF CAT : 35F

COMIREX NO:

25X1

25X1

DIA IIM 5B1-72169-79 14 MAY 79 [redacted] SEC CLASS: 14B MSN: [redacted] 0003P ACCN: S087224 25X1

GRUDOVO AMMUNITION STORAGE FACILITY 502

WAC NO : 0323

BE/OBJ NO: [redacted]

BU 422019N 0270932E

NPIC NO : -

IDHS CODE: [redacted]

EPF CAT : 35F

COMIREX NO:

25X1

25X1

DIA IIM 5B1-72178-79 14 MAY 79 [redacted] SEC CLASS: 14B MSN: [redacted] 0003P ACCN: S087225 25X1

KALOYANOVETS AMMUNITION STORAGE FACILITY

WAC NO : 0322

BE/OBJ NO: [redacted]

BU 422010N 0253410E

NPIC NO : -

IDHS CODE: [redacted]

EPF CAT : 35F

COMIREX NO:

25X1

25X1

DIA IIM 5B1-72176-79 14 MAY 79 [redacted] SEC CLASS: 14B MSN: [redacted] 0003P ACCN: S087226 25X1

IVAYLOVGRAD AMMUNITION STORAGE FACILITY 501

WAC NO : 0322

BE/OBJ NO: [redacted]

BU 413113N 0260647E

NPIC NO : - 84

IDHS CODE: [redacted]

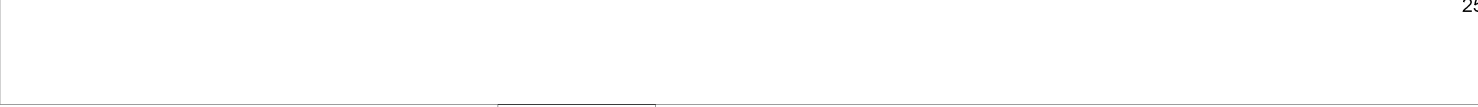
EPF CAT : 35F

COMIREX NO:

25X1

25X1

25X1



DIA IIM 5B1-72199-79 14 MAY 79 [redacted] SEC CLASS: 14B MSN: [redacted] 0003P ACCN: S087228 25X1

TOP SECRET CHESS RUFF

25X1

TOP SECRET CHESS RUFF

25X1

KAZANLUK AMMUNITION STORAGE FACILITY 505 BU 423325N 0252203E
WAC NO : 0322 BE/OBJ NO: NPIC NO : - 34-63
IDHS CODE: EPF CAT : 35F COMIREX NO:

25X1

25X1

DIA IIM 5B1-72196-79 14 MAY 79 SEC CLASS: 14B MSN: 0003P

ACCN: S087229 25X1

POLYANOVGRAD AMMUNITION STORAGE FACILITY 503 BU 423842N 0270017E
WAC NO : 0323 BE/OBJ NO: NPIC NO : - 50-A
IDHS CODE: EPF CAT : 35F COMIREX NO:

25X1

25X1

DIA IIM 5B1-72249-79 11 MAY 79 SEC CLASS: 14 MSN: 0012P

ACCN: S087230 25X1

VASILYEVKA CIVIL DEFENSE HQ U/G SUSP UR 472624N 0351710E
WAC NO : 0249 BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 10A COMIREX NO:

25X1

25X1

DIA IIM 5B1-72262-79 16 MAY 79 SEC CLASS: 14B MSN: 0004P

ACCN: S087234 25X1

PILAWA MILITARY STORAGE FACILITY PL 515644N 0213203E
WAC NO : 0232 BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 35F COMIREX NO:

25X1

25X1

TOP SECRET CHESS RUFF

25X1

TOP SECRET CHESS RUFF

25X1

| | | | | | | | | | |
|-----|-----|----------------------------------|-----------|-----------------------|----------------|-------------------|-------|---------------|--------------|
| DIA | IIM | 5B1-72173-79 | 16 MAY 79 | [REDACTED] | SEC CLASS: 14 | MSN: [REDACTED] | 0003P | ACCN: S087235 | 25X1 25X1 |
| | | BURUNDAY AVTOKOLONNA 2562 | | | UR | 432107N 0765044E | | | |
| | | WAC NO : 0329 | | BE/OBJ NO: [REDACTED] | | NPIC NO : - | | | 25X1 |
| | | IDHS CODE: [REDACTED] | | EPF CAT : 85A | | COMIREX NO: | | | 25X1 |
| DIA | IIM | 5B1-72174-79 | 16 MAY 79 | [REDACTED] | SEC CLASS: 14 | MSN: [REDACTED] | 0003P | ACCN: S087236 | 25X1 25X1 |
| | | KHARKOV AVTOKOLONNA 2251 | | | UR | 495712N 0360822E | | | |
| | | WAC NO : 0234 | | BE/OBJ NO: [REDACTED] | | NPIC NO : - | | | 25X1 |
| | | IDHS CODE: [REDACTED] | | EPF CAT : 85A | | COMIREX NO: | | | 25X1 |
| DIA | IIM | 5B1-72172-79 | 16 MAY 79 | [REDACTED] | SEC CLASS: 14 | MSN: [REDACTED] | 0002P | ACCN: S087237 | 25X1 25X1 |
| | | KARAGANDA AVTOKOLONNA 2582 | | | UR | 494710N 0730455E | | | |
| | | WAC NO : 0238 | | BE/OBJ NO: [REDACTED] | | NPIC NO : - | | | 25X1 |
| | | IDHS CODE: [REDACTED] | | EPF CAT : 85A | | COMIREX NO: | | | 25X1 |
| DIA | IIM | 5B1-72222-79 | 17 MAY 79 | [REDACTED] | SEC CLASS: 14B | MSN: [REDACTED] | 0003P | ACCN: S087238 | 25X1 25X1 |
| | | SEVASTOPOL ARMY SUPPLY DEPOT DX2 | | | UR | 443458N 0332835E | | | |
| | | WAC NO : 0250 | | BE/OBJ NO: [REDACTED] | | NPIC NO : - 62-W2 | | | 25X1 |
| | | IDHS CODE: [REDACTED] | | EPF CAT : 35F | | COMIREX NO: | | | 25X1 |
| DIA | IIM | 5B1-72208-79 | 16 MAY 79 | [REDACTED] | SEC CLASS: 14 | MSN: [REDACTED] | 0004P | ACCN: S087239 | 25X1 25X1 |
| | | ULAANBAATAR AMMUNITION DEPOT DA1 | | | MG | 475540N 1070315E | | | |
| | | WAC NO : 0285 | | BE/OBJ NO: [REDACTED] | | NPIC NO : - | | | 25X1 |
| | | IDHS CODE: [REDACTED] | | EPF CAT : 35F | | COMIREX NO: | | | 25X1 |
| DIA | IIM | 5B1-72337-79 | 17 MAY 79 | [REDACTED] | SEC CLASS: 14B | MSN: [REDACTED] | 0003P | ACCN: S087240 | 25X1 25X1 |
| | | PLOPENI AMMUNITION DEPOT NORTH | | | RO | 450455N 0255911E | | | |
| | | WAC NO : 0251 | | BE/OBJ NO: [REDACTED] | | NPIC NO : - 173 | | | 25X1 |
| | | IDHS CODE: [REDACTED] | | EPF CAT : 35F | | COMIREX NO: | | | 25X1 |
| DIA | IIM | 5B1-72171-79 | 17 MAY 79 | [REDACTED] | SEC CLASS: 14 | MSN: [REDACTED] | 0003P | ACCN: S087241 | 25X1 25X1 |
| | | ARMAVIR AVTOKOLONNA 1715 | | | UR | 445855N 0410640E | | | |
| | | WAC NO : 0249 | | BE/OBJ NO: [REDACTED] | | NPIC NO : - | | | 25X1 |
| | | IDHS CODE: [REDACTED] | | EPF CAT : 85A | | COMIREX NO: | | | 25X1 |
| DIA | IIM | 5B1-72170-79 | 17 MAY 79 | [REDACTED] | SEC CLASS: 14 | MSN: [REDACTED] | 0003P | ACCN: S087242 | 25X1 25X1 |

139

TOP SECRET CHESS RUFF

25X1

TOP SECRET CHESS RUFF

25X1

SEMIPALATINSK AVTOKOLONNA 2584

WAC NO : 0239

IDHS CODE: []

BE/OBJ NO: []

EPF CAT : 85A

UR 502644N 0801417E

NPIC NO : -

COMIREX NO:

25X1

25X1

25X1

DIA IIM 5B1-72248-79 15 MAY 79 [] SEC CLASS: 14 MSN: [] 0006P ACCN: S087244 25X1

NOVAKY AMMUNITION + GENERAL DEPOT

WAC NO : 0232

IDHS CODE: []

BE/OBJ NO: []

EPF CAT : 35F

CZ 484533N 0183157E

NPIC NO : - 114-C

COMIREX NO: []

25X1

25X1

25X1

DIA IIM 5B1-72292-79 17 MAY 79 [] SEC CLASS: 14B MSN: [] 0003P ACCN: S087246 25X1

SEVASTOPOL ORDNANCE DEPOT D02

WAC NO : 0250

IDHS CODE: []

BE/OBJ NO: []

EPF CAT : 35F

UR 443833N 0333544E

NPIC NO : -

COMIREX NO:

25X1

25X1

DIA IIM 5B1-72289-79 21 MAY 79 [] SEC CLASS: 14B MSN: [] 0003P ACCN: S087247 25X1

KRUMOVGRAD AMMUNITION STORAGE DEPOT NNW

WAC NO : 0322

IDHS CODE: []

BE/OBJ NO: []

EPF CAT : 35F

BU 412918N 0253808E

NPIC NO : - 224-A

COMIREX NO:

25X1

25X1

DIA IIM 5B1-72221-79 21 MAY 79 [] SEC CLASS: 14B MSN: [] 0003P ACCN: S087248 25X1

KHARMANLI AMMUNITION STORAGE DEPOT WNW 503

WAC NO : 0322

IDHS CODE: []

BE/OBJ NO: []

EPF CAT : 35F

BU 415630N 0255140E

NPIC NO : - 146

COMIREX NO:

25X1

25X1

DIA IIM 5B1-72207-79 21 MAY 79 [] SEC CLASS: 14B MSN: [] 0003P ACCN: S087249 25X1

TOP SECRET CHESS RUFF

25X1

TOP SECRET CHESS RUFF

25X1

KHARMANLI AMMUNITION DUMP SE 504

WAC NO : 0322

IDHS CODE:

BE/OBJ NO:

EPF CAT : 35F

BU 415505N 0255445E

NPIC NO : - 146-A

COMIREX NO:

25X1

25X1

DIA IIM 5B1-72267-79 21 MAY 79

SEC CLASS: 14B MSN: 0003P

ACCN: S087250

25X1

KHASKOVO AMMUNITION DEPOT

WAC NO : 0322

IDHS CODE:

BE/OBJ NO:

EPF CAT : 35F

BU 415255N 0253240E

NPIC NO : - 35-C1

COMIREX NO:

25X1

25X1

DIA IIM 5B1-72371-79 21 MAY 79

SEC CLASS: 14B MSN: 0003P

ACCN: S087251

25X1

HANU CONACHE AMMUNITION DEPOT 4

WAC NO : 0250

IDHS CODE:

BE/OBJ NO:

EPF CAT : 35F

RO 453513N 0273403E

NPIC NO : - 147

COMIREX NO:

25X1

25X1

25X1

TOP SECRET CHESS RUFF

25X1

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Next 7 Page(s) In Document Denied

TOP SECRET CHESS RUFF

25X1

25X1

DIA IIM 5B1-72432-79 30 MAY 79 [] SEC CLASS: 14B MSN: [] 0009P ACCN: S087300 25X1
 MUKACHEVO ARMY BARRACKS AL7 UR 481847N 0223047E
 WAC NO : 0232 BE/OBJ NO: -07046 NPIC NO : -
 IDHS CODE: [] EPF CAT : 35A COMIREX NO: 25X1

25X1

DIA IIM 5B1-72426-79 25 MAY 79 [] SEC CLASS: 14D MSN: [] 0001P ACCN: S087302 25X1
 CHOYBALSAN MILITARY STORAGE DPO DX1 ABANDONED MG 480638N 114341E
 WAC NO : 0201 BE/OBJ NO: [] NPIC NO : - 51-A1 25X1
 IDHS CODE: [] EPF CAT : 35F COMIREX NO: 25X1

25X1

25X1

DIA IIM 5B1-72425-79 25 MAY 79 [] SEC CLASS: 14B MSN: [] 0003P ACCN: S087303 25X1
 GLIWICE AMMUNITION STORAGE FACILITY 514 PL 501800N 0183757E
 WAC NO : 0232 BE/OBJ NO: [] NPIC NO : - 42-A2 25X1
 IDHS CODE: [] EPF CAT : 35F COMIREX NO: 25X1

25X1

25X1

DIA IIM 5B1-72398-79 24 MAY 79 [] SEC CLASS: 14 MSN: [] 0004P ACCN: S087304 25X1
 ULAANBAATAR MOTOR PARK WEST MG 475430N 1064630E
 WAC NO : 0286 BE/OBJ NO: [] NPIC NO : - 1-D4 25X1
 IDHS CODE: [] EPF CAT : 35F COMIREX NO: [] 25X1

25X1

25X1

DIA IIM 5B1-72413-79 24 MAY 79 [] SEC CLASS: 14 MSN: [] 0002P ACCN: S087305 25X1

25X1

150
TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

25X1

GRYFICE AMMUNITION STORAGE AREA PL 535539N 0151054E
WAC NO : 0169 BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 35F COMIREX NO:

25X1
25X1

DIA IIM 5B1-72383-79 22 MAY 79 SEC CLASS: 14B MSN: 0002P ACCN: S087307 25X1

STARYY KRYM ORDNANCE DEPOT D01 NAV STGE POSS UR 450130N 0350820E
WAC NO : 0249 BE/OBJ NO: NPIC NO : - 7-0 25X1
IDHS CODE: EPF CAT : 35F COMIREX NO: 25X1
STARYY KRYM ORDNANCE DEPOT D01 NAV STGE POSS UR 450130N 0350820E
WAC NO : 0249 BE/OBJ NO: NPIC NO : - 7-0 25X1
IDHS CODE: EPF CAT : 75H COMIREX NO: 25X1

DIA IIM 5B1-72352-79 22 MAY 79 SEC CLASS: 14B MSN: 0002P ACCN: S087308 25X1

VESELOYE AMMUNITION DEPOT DA1 UR 453252N 0341640E
WAC NO : 0250 BE/OBJ NO: NPIC NO : - 25X1
IDHS CODE: EPF CAT : 35F COMIREX NO: 25X1

NPIC MEMO 29 MAY 79 SEC CLASS: 14B MSN: 0003P ACCN: S087373 25X1

KLINTSY TV RELAY STATION UR 524435N 0321435E
WAC NO : 0167 BE/OBJ NO: NPIC NO : - 117-A3 25X1
IDHS CODE: EPF CAT : 25B COMIREX NO: 25X1
GOMEL TV CENTER UR 522602N 0310043E
WAC NO : 0167 BE/OBJ NO: NPIC NO : - 16-12 25X1
IDHS CODE: EPF CAT : 25B COMIREX NO: 25X1
ZHITKOVICHI RADIO RELAY STATION PROB UR 521315N 0275052E
WAC NO : 0168 BE/OBJ NO: NPIC NO : - 156-I 25X1
IDHS CODE: EPF CAT : 25D COMIREX NO: 25X1
SINKEVICHI RADIO RELAY STATION UR 521305N 0271518E
WAC NO : 0168 BE/OBJ NO: NPIC NO : - 245 25X1
IDHS CODE: EPF CAT : 25D COMIREX NO: 25X1
PAROKHONSK RADIO RELAY STATION UR 521330N 0262755E
WAC NO : 0168 BE/OBJ NO: NPIC NO : - 244 25X1
IDHS CODE: EPF CAT : 25D COMIREX NO: 25X1

TOP SECRET CHESS RUFF

25X1

TOP SECRET CHESS RUFF

25X1

| | | | |
|--|----------------|---------------------|---------|
| PINSK RADIO RELAY STATION | BE/OBJ NO: [] | UR 521045N 0260330E | |
| WAC NO : 0168 | EPF CAT : 25D | NPIC NO : - 54-E6 | 25X1 |
| IDHS CODE: [] | | COMIREX NO: [] | 25/25X1 |
| IVANOVO RADIO RELAY STATION | BE/OBJ NO: [] | UR 520730N 0253338E | |
| WAC NO : 0168 | EPF CAT : 25D | NPIC NO : - 54-D3 | 25X1 |
| IDHS CODE: [] | | COMIREX NO: [] | 25X1 |
| ANTOPOL RADIO RELAY STATION | BE/OBJ NO: [] | UR 521235N 0244610E | |
| WAC NO : 0168 | EPF CAT : 25D | NPIC NO : - 6-H2 | 25X1 |
| IDHS CODE: [] | | COMIREX NO: [] | 25X1 |
| KOBRIN RADIO RELAY STATION | BE/OBJ NO: [] | UR 521705N 0242900E | |
| WAC NO : 0168 | EPF CAT : 25D | NPIC NO : - 34-A3 | 25X1 |
| IDHS CODE: [] | | COMIREX NO: [] | 25X1 |
| BREST RADIO RELAY/TV/FM BDCSTG CTR ROKINITSA | BE/OBJ NO: [] | UR 520812N 0235857E | |
| WAC NO : 0168 | EPF CAT : 25D | NPIC NO : - 14-L | 25X1 |
| IDHS CODE: [] | | COMIREX NO: [] | 25X1 |
| KOVEL RADIO RELAY + TV RELAY STATION | BE/OBJ NO: [] | UR 511200N 0244010E | |
| WAC NO : 0232 | EPF CAT : 25D | NPIC NO : - 75-H4 | 25X1 |
| IDHS CODE: [] | | COMIREX NO: [] | 25X1 |

THIS MEMO PROVIDES THE TYPE, NUMBER AND ORIENTATION OF ANTENNAS AT EXISTING STATIONS IN THE BRYANSK-GOMEL-BREST RADIO-RELAY LINE. [] WAS USED FOR THE REVIEW. A SEARCH FOR NEW RADIO RELAY STATIONS BETWEEN KLINTSY AND GOMEL AND BETWEEN KOVEL AND BREST WAS DONE AND NO NEW RADIO RELAY STATIONS WERE IDENTIFIED.*

25X1

NPIC MEMO

30 MAY 79

SEC CLASS: 14B MSN:

0003P

ACCN: S087375

25X1

| | | | |
|---|----------------|---------------------|------|
| BELOOMUT SPACE TRKG FACIL A/C TEST LANE ASSOC | BE/OBJ NO: [] | UR 545700N 0392110E | |
| WAC NO : 0166 | EPF CAT : 25C | NPIC NO : - 153 | 25X1 |
| IDHS CODE: [] | | COMIREX NO: [] | 25X1 |
| RADOVITSY OPTICAL TRACKING FAC A/C TEST ASSOC | BE/OBJ NO: [] | UR 550530N 0393130E | |
| WAC NO : 0166 | EPF CAT : 25C | NPIC NO : | 25X1 |
| IDHS CODE: [] | | COMIREX NO: [] | 25X1 |
| RADOVITSY OPTICAL TRACKING FAC A/C TEST ASSOC | BE/OBJ NO: [] | UR 550530N 0393130E | |
| WAC NO : 0166 | EPF CAT : 25C | NPIC NO : - | 25X1 |
| IDHS CODE: [] | | COMIREX NO: [] | 25X1 |

TOP SECRET CHESS RUFF

25X1

TOP SECRET CHESS RUFF

25X1

25X1

IDHS CODE: 85900 EPF CAT : 25H COMIREX NO:
ELECTRONICS, FACILITIES A/C TEST LANE ASSOC UR
WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 25H COMIREX NO:

IDENTIFY GROUND-BASED INSTRUMENTATION

25X1

FACILITIES ASSOCIATED WITH AN AIRCRAFT TEST LANE SOUTHEAST OF MOSCOW, USSR.
TWO GROUND-BASED FACILITIES WERE IDENTIFIED THAT ARE PROBABLY ASSOCIATED WITH THE TEST LANE. FIVE
ADDITIONAL INSTALLATIONS WERE IDENTIFIED THAT COULD BE ASSOCIATED WITH THE LANE. LIMITED INTERPRETABILITY
OF PHOTOGRAPHY COVERING THE EASTERN 50 KILOMETERS OF THE TEST LANE PRECLUDED IDENTIFICATION OF OTHER
INSTALLATIONS/FACILITIES THAT MAY EXIST IN THAT AREA.*

25X1

DIA IIM 5B1-72465-79 04 JUN 79 SEC CLASS: 14B MSN: 0003P

ACCN: 5087398 25X1

SARANTSI AMMUNITION DEPOT ENE 503 BU 424434N 0234823E
WAC NO : 0322 BE/OBJ NO: NPIC NO : - 177
IDHS CODE: EPF CAT : 35F COMIREX NO:

25X1

25X1

25X1

TOP SECRET CHESS RUFF

25X1

TOP SECRET CHESS RUFF

25X1

25X1

25X1

NPIC MEMO 08 JUN 79 SEC CLASS: 14B MSN: 0001P ACCN: S087420

25X1

| | | |
|---|---------------|------------------|
| KARSHI AIRFIELD SOUTH TWIN EAR ANTENNA SEARCH | UR | 384822N 0654615E |
| WAC NO : 0337 | BE/OBJ NO: | NPIC NO : - 3-A |
| IDHS CODE: | EPF CAT : 25H | COMIREX NO: |
| KARSHI ORDNANCE DEPOT D01 TWIN EAR ANT SEARCH | UR | 384927N 0654545E |
| WAC NO : 0337 | BE/OBJ NO: | NPIC NO : - 3-A1 |
| IDHS CODE: | EPF CAT : 35F | COMIREX NO: |
| KARSHI ORDNANCE DEPOT D01 TWIN EAR ANT SEARCH | UR | 384927N 0654545E |
| WAC NO : 0337 | BE/OBJ NO: | NPIC NO : - 3-A1 |
| IDHS CODE: | EPF CAT : 25D | COMIREX NO: |

25X1

25X1

25X1

25X1

25X1

25X1

THIS MEMO REVIEWS ALL PERTINENT KEYHOLE IMAGERY OF KARSHI AIRFIELD SOUTH, KARSHI ORDNANCE DEPOT D01 AND THE SURROUNDING AREA TO IDENTIFY TWIN EAR TROPOSCATTER ANTENNAS. NO TWIN EAR TROPOSCATTER ANTENNAS WERE IDENTIFIED IN THE KARSHI AREA.**

25X1

DIA IIM 581-72486-79 08 JUN 79 SEC CLASS: 14B MSN: 0003P ACCN: S087434

25X1

| | | |
|-------------------------------|---------------|------------------|
| OLSHANITSA ORDNANCE DEPOT D01 | UR | 493730N 0304000E |
| WAC NO : 0233 | BE/OBJ NO: | NPIC NO : - 8-F |
| IDHS CODE: | EPF CAT : 35F | COMIREX NO: |

25X1

25X1

25X1

154
TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

25X1

25X1

DIA IIM 5B1-72503-79 11 JUN 79 [] SEC CLASS: 14B MSN: [] 0002P ACCN: S087436 25X1

KRZYSTKOWICE AMMUNITION DEPOT NW PL 514843N 0151140E
WAC NO : 0231 BE/OBJ NO: [] NPIC NO : - 305
IDHS CODE: [] EPF CAT : 35F COMIREX NO:

25X1
25X1

DIA IIM 5B1-72470-79 11 JUN 79 [] SEC CLASS: 14B MSN: [] 0005P ACCN: S087437 25X1

SMYADOVO AMMUNITION DEPOT SOUTH 501 BU 430306N 0270112E
WAC NO : 0323 BE/OBJ NO: [] NPIC NO : - 11
IDHS CODE: [] EPF CAT : 35F COMIREX NO: []

25X1
25X1

DIA IIM 5B1-72483-79 11 JUN 79 [] SEC CLASS: 14B MSN: [] 0003P ACCN: S087438 25X1

SLIVEN AMMUNITION DEPOT 515 BU 423931N 0261812E
WAC NO : 0322 BE/OBJ NO: [] NPIC NO : - 82-B
IDHS CODE: [] EPF CAT : 35F COMIREX NO: []

25X1
25X1

DIA IIM 5B1-72440-79 11 JUN 79 [] SEC CLASS: 14B MSN: [] 0003P ACCN: S087439 25X1

SLIVNITSA AMMUNITION DUMP ALDOMIROVTSI NE BU 425200N 0230020E
WAC NO : 0322 BE/OBJ NO: [] NPIC NO : - 178-A3
IDHS CODE: [] EPF CAT : 35F COMIREX NO:

25X1
25X1
25X1

DIA IIM 5B3-72519-79 13 JUN 79 [] SEC CLASS: 13 MSN: [] 0001P ACCN: S087456 25X1

ZHITOMIR AIRFIELD UR 501635N 0284344E
WAC NO : 0233 BE/OBJ NO: [] NPIC NO : - 67-P

25X1

TOP SECRET CHESS RUFF

25X1

TOP SECRET CHESS RUFF

25X1

IDHS CODE: [] EPF CAT : 05A COMIREX NO: [] 25X1
 DIA IIM 583-72520-79 13 JUN 79 [] SEC CLASS: 13 MSN: [] 0001P ACCN: S087457 25X1
 SMOLENSK AIRFIELD SOUTH UR 544441N 0320405E 25X1
 WAC NO : 0167 BE/OBJ NO: [] NPIC NO : - 77-J 25X1
 IDHS CODE: [] EPF CAT : 05A COMIREX NO: [] 25X1

DIA IIM 581-72524-79 13 JUN 79 [] SEC CLASS: 14 MSN: [] 0003P ACCN: S087459 25X1
 BELOGORSK AIR DEPOT WEST GSE UR 505429N 1282712E 25X1
 WAC NO : 0203 BE/OBJ NO: [] NPIC NO : - 14-D 25X1
 IDHS CODE: [] EPF CAT : 05F COMIREX NO: [] 25X1

NPIC MEMO [] 13 JUN 79 [] SEC CLASS: 14B MSN: [] 0002P ACCN: S087462 25X1
 LYSKOVO RADIO RELAY STATION WEST UR 560100N 0444930E 25X1
 WAC NO : 0155 BE/OBJ NO: [] NPIC NO : - 77 25X1
 IDHS CODE: [] EPF CAT : 25D COMIREX NO: [] 25X1

THIS MEMO DESCRIBES THE NUMBER, TYPE, AND ORIENTATIONS OF ANTENNAS AT RADIO-RELAY STATIONS ALONG THE GORKIY-KAZAN RADIO-RELAY LINE. LYSKOVO RADIO-RELAY STATION WAS THE ONLY ONE REPORTED ON.

156
TOP SECRET CHESS RUFF

25X1

TOP SECRET CHESS RUFF

25X1

THE REMAINING STATIONS IN THE RADIO-RELAY LINE WERE EITHER NOT COVERED (VOROTYNETS, AKHMONEL, AND ISIOILSK) OR THE AVAILABLE IMAGERY WAS NOT OF SUITABLE INTERPRETABILITY (STARAYA TYURLEMA AND KAZAN).

25X1

NPIC MEMO TCS-30884-79 19 JUN 79 [REDACTED] SEC CLASS: 14B MSN: [REDACTED] 0002P

ACCN: S087534 25X1

VOROVSKOLESSKAYA RADIO RELAY STATION UR 441750N 0422000E
WAC NO : 0249 BE/OBJ NO: [REDACTED] NPIC NO : - 74-E
IDHS CODE: [REDACTED] EPF CAT : 25D COMIREX NO:

25X1

25X1

25X1

THIS MEMO DESCRIBES VOROVSKOLESSKAYA RADIO-RELAY STATION. [REDACTED]

TOP SECRET CHESS RUFF

25X1

Top Secret



Top Secret