

Declassified in Part - Sanitized Copy Approved for Release 2014/03/07 : CIA-RDP80T00913A000200030001-4

25X1

NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER



VOL. 3 OF 4 VOLUMES

ANNUAL INDEX TO
PHOTOGRAPHIC EXPLOITATION PRODUCTS
JANUARY-DECEMBER 1979

TOP SECRET

[Redacted]

Declassified in Part - Sanitized Copy Approved for Release 2014/03/07 : CIA-RDP80T00913A000200030001-4

25X1
PEP-013/79 25X1
FEBRUARY 1980
Copy 10

Page Denied

Declassified in Part - Sanitized Copy Approved for Release 2014/03/07 : CIA-RDP80T00913A000200030001-4

PHOTOGRAPHIC EXPLOITATION PRODUCTS

**ANNUAL INDEX TO
PHOTOGRAPHIC EXPLOITATION PRODUCTS
JANUARY-DECEMBER 1979**

FEBRUARY 1980

NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER

TABLE OF CONTENTS

	Page
Introduction	v
Guide to Users	vii
Part I. Listing of Reports Alphabetically	1
Part II. Listing of Reports by Originator	229
Part III. Listing of Reports by General Subject	377
Part IV. Listing of Reports by Coordinates	611
Part V. Listing of Reports by WAC/BE Number	791
Part VI. Listing of Reports by Accession Number	963

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, [redacted] as well as those produced by NPIC. At the request of COMREX/NIDBWG, 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.

25X1

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.

TYPICAL ACCESSION CITATION

25X1

COMMENTS AND QUERIES REGARDING THIS REPORT ARE WELCOMED.
THEY MAY BE DIRECTED TO NPIC/PSG/RSD/IB/RAS, OR GRAY
EXTENSION

25X1
25X1

Top Secret CHESS RUFF

25X1
25X1

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
		MODL	- Model Announcement
		NAIR	- New Applications of Imagery Report
DPIR	- Detailed Photographic Interpretation Report	NBRG	- National Basic Reference Graphic
DSIIB	- Direct Support Photographic Interpretation Brief	NEDR	- Detailed Photographic Interpretation Report (Near East)
DSHIR	- Direct Support Photographic Interpretation Report	NEGR	- General Photographic Interpretation Report (Near East)
ENDR	- Engineering Drawing	NEIR	- Initial Photographic Interpretation Report (Near East)
FEDR	- Detailed Photographic Interpretation Report (Far East)	NESR	- Special Photographic Interpretation Report (Near East)
FEGR	- General Photographic Interpretation Report (Far East)	NEWS	- Technical Newsletter
FESR	- Special Photographic Interpretation Report (Far East)	NOTE	- Photographic Interpretation Note
IIM	- Imagery Interpretation Memorandum	OAK	- Initial Mission Readout
IIR	- Imagery Information Report	PAR	- Photographic Analysis Report
INFR	- Inter-office Memorandum	PIN	- Photographic Interpretation Note
IPIR	- Initial Photographic Interpretation Report	PIR	- Photographic Interpretation Report

25X1

25X1

Top Secret CHESS RUFF [redacted]

25X1
25X1

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]

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

[redacted]

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]
 25 - TOP SECRET CHESS RUFF [redacted]

[redacted]

25X1

Top Secret CHESS RUFF [redacted]

25X1
25X1

ORIGINATOR

ACDA - ARMS CONTROL AND DISARMAMENT AGENCY

NAVY - NAVY

AF - AIR FORCE

NPIC - NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER

ARMY - ARMY

NSA - NATIONAL SECURITY AGENCY

[redacted]

NTPC - NATIONAL TECHNICAL PROCESSING CENTER

25X1

[redacted]

25X1

CIA - CENTRAL INTELLIGENCE AGENCY

SAC - SAC (544th RTS)

DIA - DEFENSE INTELLIGENCE AGENCY

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

GMAIC - GUIDED MISSILE AND ASTRONAUTICS INTELLIGENCE

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

COMMITTEE

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

[redacted]

STL - SPACE TECHNOLOGY LABORATORY

25X1

JOINT - JOINT (2 or more USIB members participating)

[redacted]

25X1

NATO - NORTH ATLANTIC TREATY ORGANIZATION

USIB - UNITED STATES INTELLIGENCE BOARD

[redacted]

25X1

Top Secret CHESS RUFF

25X1
25X1

EPF SUBJECT CATEGORIES

- | | |
|--|---|
| <p>05 - <u>AIR ACTIVITY</u>
Airfields, seaplane stations, aircraft, storage, production, research, training, aerohydrodynamic vehicles, and air defense activity.</p> <p>10 - <u>GENERAL ACTIVITY</u>
Complex studies, unidentified installations/equipment, and terrain or analyses, agriculture analyses.</p> <p>13 - <u>BIOLOGICAL/CHEMICAL WARFARE ACTIVITY</u>
Research, production, testing, training, and storage.</p> <p>15 - <u>COMPREHENSIVE REPORTS</u>
Mission readouts, summaries, and country or area studies.</p> <p>25 - <u>ELECTRONICS/COMMUNICATIONS ACTIVITY</u>
Radar and radio installations/equipment, missile, air, naval related installations/ equipment, production, research, testing.</p> <p>30 - <u>INDUSTRIAL ACTIVITY</u>
Raw materials, basic processing, heavy and light industry, chemical plants, and power facilities. (For shipbuilding, see NAVAL. For nuclear power plants, see NUCLEAR.)</p> <p>35 - <u>MILITARY ACTIVITY</u>
Ground force installations/equipment, production, testing, research, and repair.</p> | <p>40 - <u>MISSILE & SPACE ACTIVITY</u>
Sites, research, production, storage, and equipment.</p> <p>55 - <u>NUCLEAR ACTIVITY</u>
Mining, production research, testing, storage, and nuclear power plants.</p> <p>60 - <u>OVERLAYS/PLOTS</u>
Mission Coverage Plots, Mission Coverage Statistics, tracks, and annotated maps.</p> <p>65 - <u>RESEARCH AND DEVELOPMENT ACTIVITY</u>
Technical publications and miscellaneous R&D installations.</p> <p>75 - <u>NAVAL ACTIVITY</u>
Submarine bases, naval bases and air stations, shipyards, research, and equipment.</p> <p>80 - <u>STORAGE ACTIVITY (NON-MILITARY)</u>
POL storage, agricultural storage, and industrial storage.</p> <p>85 - <u>TRANSPORT AND PIPELINE ACTIVITY</u>
Road and rail activity, pipelines, and canal systems.</p> |
|--|---|

Reverse side blank

- xi -

Top Secret

25X1

Declassified in Part - Sanitized Copy Approved for Release 2014/03/07 : CIA-RDP80T00913A000200030001-4

PART V

Listing of Reports by WAC/BE Number

Declassified in Part - Sanitized Copy Approved for Release 2014/03/07 : CIA-RDP80T00913A000200030001-4

TOP SECRET CHESS RUFF

25X1

WAC/BE	SUBJECT	IDHS CODE	COORD	COUN	ACCN NO.
	NOVAYA ZEMLYA NWP6 MATOCHKIN SHAR TEST AREA		731826N 0545125E	UR	S088654
	NOVAYA ZEMLYA NWP6 MATOCHKIN TEST AREA		732100N 0544530E	UR	S086024
	DICKSON TROPOSCATTER STATION		733030N 0803030E	UR	S087263
	NORILSK RADCOM XMTR STA TWIN DISH ANT SEARCH		692349N 0881751E	UR	S088629
	KARAU TROPOSCATTER STATION		700448N 0831551E	UR	S087263
	VORONTSOVO TROPOSCATTER STATION		714320N 0833320E	UR	
	NORILSK ADZ HEADQUARTERS CP/BKR COMSAT SEARCH		692134N 0882159E	UR	S089025
	NORILSK TELEMETRY/TRACKING FACILITY		692130N 0881210E	UR	S085547
	NORILSK HEAT + THERMAL POWER PLANT TETS 1		691943N 0881020E	UR	S087915
	NORILSK HEAT + THERMAL POWER PLANT TETS 2		693107N 0882020E	UR	
	NORILSK RADIO COMMUNICATIONS + TROPO STA WEST		691900N 0875500E	UR	S087263
	AMDERMA AIR DEFENSE HQ TALL KING EW RADAR FAC		694500N 0614400E	UR	S086797
	BELUSHYA GUBA TALL KING AW RADAR FACILITY		712815N 0521600E	UR	S086228
	MOTOVSKIY ZALIV MHD GENERATOR SITE		693730N 0315643E	UR	S087999
	MALYAVR AIRFIELD GCA SITE		685151N 0334333E	UR	S085928
	OLENEGORSK HEN HOUSE ABM RADAR FACILITY		680650N 0335434E	UR	S087584
	MALYAVR AIRFIELD EW SITE		685030N 0334230E	UR	S085928
	GREMIKHA NAVAL BASE + SHIP REPAIR YARD		680420N 0392824E	UR	S087367
	GREMIKHA NAVAL BASE + SHIP REPAIR YARD		680420N 0392824E	UR	
	OLENYA GUBA SUBMARINE BASE		691256N 0332210E	UR	S088284
	MURMANSK PORT FACILITIES		685849N 0330316E	UR	S086443
	PECHENGA SUBMARINE BASE LINAKHAMARI		693803N 0312213E	UR	S087192

25X1

25X1

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

WAC/BE

SUBJECT	IDHS CODE	COORD	COUN	ACCN NO.
SEVEROMORSK NAVAL BASE IVAN ROGOV CLASS LPD		690443N 0332617E	UR	S084637
MALYAVR ASM SUPPORT FACILITY		685217N 0334350E	UR	S085928
LITSA GUBA SUBMARINE BASE SOUTH SUBMARINE DPL		692620N 0322526E	UR	S086885
LITSA GUBA SUBMARINE BASE SE FLOATING DRYDOCK		692604N 0322153E	UR	S088005
MALYAVR SNA COMMAND POST BUNKERED		685125N 0334141E	UR	S085928
KILPYAVR AIRFIELD AIRCRAFT BUNKERS		690542N 0322358E	UR	S086153
SEVEROMORSK AIRFIELD A/C ORDNANCE DISPLAY		690152N 0332517E	UR	S086039
SEVEROMORSK AIRFIELD AIRCRAFT MODIF		690150N 0332529E	UR	S088914
MALYAVR AIRFIELD		685208N 0334300E	UR	S085928
OLENEGORSK AIRFIELD CAMBER A IL-86 IDENT		680908N 0332743E	UR	S086875
OLENEGORSK AIRFIELD BEAR F TU-95 VARIANTS		680908N 0332743E	UR	S086992
KOMSOMOLSKIY AIRFIELD		690840N 1724030E	UR	S087768
TIKSI TROPOSCATTER STATION 19-METER DISH ANTS		713806N 1284509E	UR	S086494
KEM MILITARY BARRACKS AL3 MTRZD RIFLE REGT		645710N 0343433E	UR	S087070
KANDALAKSHA MILITARY BKS AL2/HQ MRD MRR IDENT		671019N 0322523E	UR	
ALAKURTTI ARMY BARRACKS AL1 MRR + ARTY REGT		665805N 0302027E	UR	
KEM AMMUNITION DEPOT DA1		645704N 0343218E	UR	S087102
AFRIKANDA AIRFIELD AIRCRAFT BUNKERS		672723N 0324731E	UR	S086150
AFRIKANDA AIRFIELD FLA60N SU-15 COUNTS		672723N 0324731E	UR	S086998
MONCHEGORSK AIRFIELD MT-LB SAM TEL DEPLOYMENT		675919N 0330057E	UR	S084638

TOP SECRET CHESS RUFF

25X1

25X1

25X1

25X1

25X1

25X1

25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE	SUBJECT	IDHS CODE	COORD	COUN	ACCN NO.
	MONCHEGORSK AIRFIELD MT-LB SAM TEL DEPLOYMENT		675919N 0330057E	UR	
	MONCHEGORSK AIRFIELD AIRCRAFT BUNKERS		675919N 0330057E	UR	S086149
	KEM/UZHMANA AIRFIELD AIRCRAFT BUNKERS		645515N 0341521E	UR	S086151
	LUMBOVKA ASM/BOMBING RANGE PROB		674858N 0403219E	UR	S088066
	LUMBOVKA ASM/BOMBING RANGE PROB		674858N 0403219E	UR	
	BOLSHOY GORODETSKIY TRACKING FACILITY		674357N 0405340E	UR	S085848
	BOLSHOY LUMBOVSKIY AW RADAR FACILITY		674400N 0403200E	UR	
	CHIZHA GUIDED MISSILE TRACKING FACILITY POSS		670420N 0441640E	UR	S085841
	NENOKSA NAVAL MTC FACILITY D CONSTRUCTION		643633N 0391415E	UR	S086191
	NENOKSA NAVAL MTC FACILITY D ERECTOR/LOADER		643633N 0391415E	UR	S088006
	SEVERODVINSK SHIPYARD 402		643438N 0394832E	UR	S086132
	SEVERODVINSK SHIPYARD 402 D-3 CL SSBN ROLLOUT		643438N 0394832E	UR	S086186
	SEVERODVINSK SHIPYARD 402 G-1/G-5 CL SSB CONV		643438N 0394832E	UR	S086246
	SEVERODVINSK SHIPYARD 402 PRESSURE HULLS PROB		643438N 0394832E	UR	S086854
	SEVERODVINSK SHIPYARD 402 LAUNCH BASIN OPRNL		643438N 0394832E	UR	S086376
	SEVERODVINSK SHIPYARD 402 CRATES U/I		643438N 0394832E	UR	S086447
	SEVERODVINSK SHIPYARD 402 D-3 CLASS SSBN ACT		643438N 0394832E	UR	S086344
	SEVERODVINSK SHIPYARD 402 D-3 SSBN CL UNIT 10		643438N 0394832E	UR	S087131
	SEVERODVINSK SHIPYARD 402 PRESSURE HULL CRTS		643438N 0394832E	UR	S086625
	SEVERODVINSK SHIPYARD 402 CONCEALMENT ACT		643438N 0394832E	UR	S086624
	SEVERODVINSK SHIPYARD 402 CONCEALMENT ACT		643438N 0394832E	UR	
	SEVERODVINSK SHIPYARD A SSN PRESSURE HULL CF		643438N 0394832E	UR	S086621
	SEVERODVINSK SHIPYARD A SSN PRESSURE HULL CF		643438N 0394832E	UR	
	SEVERODVINSK SHIPYARD 402 COVERED TRANSVERSER		643438N 0394832E	UR	S086900

225X1

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1
ZNAI

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

SEVERODVINSK SHIPYARD 402 PRESSURE HULL U/C	643438N 0394832E	UR	S086901
SEVERODVINSK SHIPYARD CONST HALL/LAUNCH BASIN	643438N 0394832E	UR	S087755
SEVERODVINSK SHIPYARD 402	643438N 0394832E	UR	S087210
SEVERODVINSK SHIPYARD 402	643438N 0394832E	UR	S087063
SEVERODVINSK SHIPYARD 402 LAUNCH DOCK NEW	643438N 0394832E	UR	S088147
SEVERODVINSK SHIPYARD 402 LNCH DOCK ROLL-OUT	643438N 0394832E	UR	S088079
SEVERODVINSK SHIPYARD 402 PRESSURE HULL SECTS	643438N 0394832E	UR	S087990
SEVERODVINSK SHIPYARD 402 SSGN HULL PLATE	643438N 0394832E	UR	S088678
SEVERODVINSK SHIPYARD 402 CONSTRUCTION ACT	643438N 0394832E	UR	S088494
ARKHANGELSK AIR FORCE SCHOOL AIRCRAFT SEARCH	643230N 0403200E	UR	S086964
NENOKSA NAVAL MTC LAUNCH FAC D ERECTOR/LOADER	643835N 0391220E	UR	S086629
NENOKSA NAVAL MTC LAUNCH FAC B STRUCTURE U/I	643835N 0391220E	UR	S087536
ARKHANGELSK SAM SITE B22A-2	642326N 0401858E	UR	S089026
ISAKOGORKA RADCOM RECEIVER STA KRUG 1 SUPT	642430N 0401931E	UR	
SEVERODVINSK NUCLEAR SUBMARINE SPEC SUPT FAC	643445N 0394716E	UR	S086132
SEVERODVINSK NUCLEAR SUBMARINE SPEC SUPT FAC	643445N 0394716E	UR	S087210
SEVERODVINSK NAVAL MISSILE SUPPORT FAC	643339N 0394627E	UR	S088691
SEVERODVINSK NAVAL BASE WEST	643420N 0394551E	UR	S086132
SEVERODVINSK NAVAL BASE WEST	643420N 0394551E	UR	S087210
SEVERODVINSK NAVAL BASE WEST	643420N 0394551E	UR	S087193
SEVERODVINSK NAVAL BASE WEST N CLASS SSN	643420N 0394551E	UR	S088173
SEVERODVINSK SHIPYARD YAGRY OSTROV Y CL SSBN	643514N 0394907E	UR	S085799

25X1

794

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE	SUBJECT	IDHS CODE	COORD	COUN	ACCN NO.
	SEVERODVINSK SHIPYARD YAGRY OSTROV		643514N 0394907E	UR	S086132
	SEVERODVINSK SHIPYARD YAGRY OSTROV Y CL SSBN		643514N 0394907E	UR	S086187
	SEVERODVINSK SHIPYARD YAGRY OSTROV Y CL ACT		643514N 0394907E	UR	S086344
	SEVERODVINSK SHIPYARD YAGRY OSTROV		643514N 0394907E	UR	S087210
	SEVERODVINSK SHIPYARD YAGRY OSTROV CONST		643514N 0394907E	UR	S088493
	NENOKSA NAVAL MTC FACILITY A STRUCTURE U/I		643843N 0391118E	UR	S085666
	NENOKSA NAVAL MTC TRACKING FACILITY		643807N 0390924E	UR	S085715
	NENOKSA NAVAL MTC TRACKING FACILITY		643807N 0390924E	UR	S085726
	NENOKSA NAVAL MTC TRACKING FACILITY		643807N 0390924E	UR	S088710
	ARKHANGELSK RADCOM STATION SSW		642520N 0402650E	UR	S089026
	ARKHANGELSK RADCOM STATION SW		642420N 0402635E	UR	
	ARKHANGELSK TROPOSCATTER STATION SW BKR		642430N 0402715E	UR	
	VASKOVO AIR DEFENSE ZONE HEADQUARTERS CP BKR		642434N 0402703E	UR	
	SEVERODVINSK COMSAT STATION		643320N 0394600E	UR	S088052
	ZASULYE AIRFIELD		644410N 0474030E	UR	S086147
	MALAYA PERA RADIO RELAY STATION		641016N 0545029E	UR	S086483
	NARYAN MAR HELIPORT		674029N 0530853E	UR	S087774
	NARYAN MAR AIRFIELD AD HQ TALL KING RADAR FAC		673945N 0530900E	UR	S086797
	NARYAN MAR TELEMETRY/TRACKING FACILITY		673611N 0525848E	UR	S085713
	NARYAN MAR TELEMETRY/TRACKING FACILITY		673611N 0525848E	UR	S085729
	NARYAN MAR TELEMETRY/TRACKING FACILITY		673611N 0525848E	UR	S088052
	NARYAN MAR TELEMETRY/TRACKING FACILITY		673611N 0525848E	UR	S088716
	PECHORA PHASED-ARRAY RADAR FAC CONST CAMP DMG		651230N 0571720E	UR	S086162

25X1X1

795

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

PECHORA PHASED-ARRAY RADAR FACILITY	651238N 0571722E	UR	S087558
PECHORA PHASED-ARRAY RADAR FACILITY	651238N 0571722E	UR	S087584
VORKUTA INTERFEROMETER SITE BOW + ARROW	673329N 0640941E	UR	S086671
URENGOY GAS FIELD 1	660300N 0764735E	UR	S086703
URENGOY GAS FIELD 2	662859N 0764052E	UR	
URENGOY GAS FIELD 3	660521N 0764033E	UR	
URENGOY GAS FIELD 4	660307N 0765138E	UR	
VORKUTA ESV TRACKING FACILITY BOW + ARROW	673330N 0640941E	UR	S086811
VORKUTA ESV TRACKING FACILITY BOW + ARROW	673330N 0640941E	UR	S087321
VORKUTA ESV TRACKING FACILITY RADIO TELEMETRY	673330N 0640941E	UR	S088161
VORKUTA ESV TRACKING FACILITY RADIO TELEMETRY	673330N 0640941E	UR	S088168
VORKUTA ESV TRACKING FACILITY	673330N 0640941E	UR	S088052
VORKUTA AIRFIELD POL STORAGE CAPACITY	672920N 0635916E	UR	S086006
SEVERO YENISEY GOLD COMPLEX	602230N 0930245E	UR	S086310
VODNYI RADIO RELAY STATION	633000N 0531730E	UR	S086483
KERKI RADIO RELAY STATION	634330N 0540948E	UR	
KNYAZHPOGOST TELEMETRY/TRACKING FACILITY	623230N 0505400E	UR	S085716
PINYUG RADIO RELAY STATION	601349N 0474618E	UR	S086178
SYKTYVKAR AVTOKOLONNA 4816	614130N 0504830E	UR	S086214
SYKTYVKAR AVTOKOLONNA 4816	614130N 0504830E	UR	S087077
PETROZAVODSK RADIO RELAY STATION WEST	615340N 0334530E	UR	S087777
KYAPPESELGA RADIO RELAY STATION	623930N 0341520E	UR	
ILEM SELGA RADIO RELAY STATION	621750N 0343040E	UR	
SPASSKAYA GUBA RADIO RELAY STATION WEST	621300N 0333620E	UR	
PLESETSK MTC TELEMETRY/TRACKING FACILITY	625642N 0412621E	UR	S085717

25X1

796

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

25X1

PLESETSK MTC RANGEHEAD TRACKING FAC BOW/ARROW	624645N	0402010E	UR	S086671
PLESETSK MTC RANGEHEAD TRACKING FAC BOW/ARROW	624645N	0402010E	UR	S086935
PLESETSK MTC MISSILE HANDLING FACILITY ELCT	624600N	0402300E	UR	S085542
KONCHOZERO RADIO RELAY STATION	620743N	0335952E	UR	S087777
PLESETSK MTC ICBM SITE 28 SILO CONSTRUCTION	625235N	0414452E	UR	S086091
PLESETSK MTC ICBM SITE 28	625235N	0414452E	UR	S087344
PLESETSK MTC ICBM SITE 28	625235N	0414452E	UR	S087315
PLESETSK MTC SPACE SITE 2 ELECTRONICS	625624N	0403138E	UR	S085542
PLESETSK MTC ICBM SITE 5 ELECTRONICS	630316N	0405720E	UR	
PLESETSK MTC ICBM SITE 6 ELECTRONICS	630057N	0405231E	UR	
PLESETSK MTC IRBM R+D/TRNG SITE 13 ACT U/I	625203N	0404400E	UR	S088143
PETROZAVODSK ORDNANCE STORAGE DEPOT D01	615000N	0341500E	UR	S088355
PLESETSK MTC ICBM SITE 11 ELECTRONICS	625732N	0412650E	UR	S085542
PLESETSK MTC ICBM SITE 11 SS-16 ACTIVITY POSS	625732N	0412650E	UR	S086044
PLESETSK MTC ICBM SITE 11 AZIMUTH MARKERS	625732N	0412650E	UR	S086761
PLESETSK MTC LAUNCH CONTROL FACILITY A	625810N	0413242E	UR	S085844
PLESETSK MTC ICBM SITE 14 ELECTRONICS	625816N	0413342E	UR	S085542
PLESETSK MTC ICBM SITE 14 AZIMUTH MARKERS	625816N	0413342E	UR	S086762
PLESETSK MTC ICBM SITE 16 ELECTRONICS	624655N	0403528E	UR	S085542
PLESETSK MTC SRF HEADQUARTERS RADIO XMTR 1	624532N	0402200E	UR	S085850
PLESETSK MTC SRF ARMY/HEADQUARTERS RDO XMTR 1	624532N	0402200E	UR	S085844
PLESETSK MTC SRF ARMY RADIO TRANSMITTER HARD	624521N	0402635E	UR	S085849
PLESETSK MTC SRF ARMY/RADIO TRANSMITTER HARD	624521N	0402635E	UR	S085844

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1
25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

PLESETSK MTC ICBM SITE 17 AZIMUTH MARKERS	625448N 0412407E	UR	S086763
PLESETSK MTC ICBM SITE 18 AZIMUTH MARKERS	625753N 0413918E	UR	S086760
PLESETSK MTC ICBM SITE 20 AZIMUTH MARKERS	625456N 0414118E	UR	S086759
PLESETSK MTC ICBM SITE 19 AZIMUTH MARKERS	625552N 0413623E	UR	S086756
PLESETSK MTC ICBM SITE 21 ELECTRONICS	625823N 0412408E	UR	S085542
PLESETSK MTC ICBM SITE 21 SS-16 ACTIVITY POSS	625823N 0412408E	UR	S086044
PLESETSK MTC ICBM SITE 21 TEL U/I	625823N 0412408E	UR	S088587
PLESETSK MTC ICBM SITE 22 TYPE 3E SILO DOOR	625313N 0414530E	UR	S086091
PLESETSK MTC ICBM SITE 22 AZIMUTH MARKERS	625313N 0414530E	UR	S086758
PLESETSK MTC ICBM SITE 23 AZIMUTH MARKERS	630040N 0413246E	UR	S086757
PLESETSK MTC ICBM SITE 24 AZIMUTH MARKERS	630042N 0413312E	UR	
PLESETSK MTC ESV TRACKING FACILITY	625357N 0403329E	UR	S085717
PLESETSK ESV TRACKING FACILITY	625357N 0403329E	UR	S088052
PLESETSK MTC SRF ARMY/DIV TEST COMPLEX CP BKR	624525N 0403118E	UR	S085844
PLESETSK MTC RADIO RELAY/TV/FM BDCST CENTER	624311N 0401731E	UR	
PETROZAVODSK RADIO RELAY/TV/FM BDCST CENTER	614630N 0341955E	UR	S087777
PETROZAVODSK RADIO RELAY/TV/FM BDCST CENTER	614630N 0341955E	UR	
PLESETSK MTC ICBM LCC 4 RADIO COMMO STATION	625900N 0404626E	UR	S085851
PLESETSK MTC ICBM LCC 4 RADIO COMMO STATION	625900N 0404626E	UR	S085844
PLESETSK MTC SRF ARMY HEADQUARTERS RDO XMTR 2	623830N 0400820E	UR	

25X1

25X1

798

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

PLESETSK MTC SRF ARMY COMMUNICATIONS CENTER	625227N 0404137E	UR	S085843
PLESETSK MTC SRF ARMY COMMUNICATIONS CENTER	625227N 0404137E	UR	S085844
PLESETSK MTC SPACE SITE 27 ELECTRONICS	625423N 0404715E	UR	S085542
PLESETSK MTC MOBILE ICBM FACILITY 1 ELCT	625858N 0404624E	UR	S085844
PLESETSK MTC MOBILE ICBM FACILITY 2 ELCT	625117N 0403429E	UR	
LODEYNOYE POLE AIRFIELD AIRCRAFT BUNKERS	604234N 0333424E	UR	S086152
PETROZAVODSK AIRFIELD NW AIRCRAFT BUNKERS	615309N 0340920E	UR	S086156
RYBEZHNO AIRFIELD WEST	602012N 0325558E	UR	S087771
CHEGLA AIRFIELD NW	602835N 0330154E	UR	S087765
PLESETSK MTC MBL ICBM FACS SS-16 ASSOC BLD6S	625746N 0402346E	UR	S085765
PLESETSK MTC	625746N 0402346E	UR	S086269
PLESETSK MTC GUIDANCE RELATED FACILITIES	625746N 0402346E	UR	S086802
PLESETSK MTC ICBM TYPE 3E SILO CONV/MODIF ACT	625746N 0402346E	UR	S087323
PLESETSK MTC SS-13 + SS-16 TEST ACTIVITY	625746N 0402346E	UR	S088047
PLESETSK MTC GUIDANCE RELATED FACILITIES U/C	625746N 0402346E	UR	S087914
LENINGRAD AAA TRAINING AREA	600800N 0310340E	UR	S088358
KUYVOZI SIGINT SITE D0-EL-02 ESM RADAR POSS	602800N 0302500E	UR	S088821
ZELENOGORSK AW RADAR FACILITY	601430N 0294420E	UR	S086801
KIRILLOVSKOYE AMMUNITION DEPOT PERKYARVI	602840N 0291500E	UR	S087163
VYBORG ARMY BARRACKS AL1	604318N 0284314E	UR	S088792
VYBORG ARMY BARRACKS NW AL2	604359N 0284143E	UR	S088790
VYBORG ARMY BARRACKS + RAILROAD STA NORTH AL3	604256N 0284605E	UR	S088791
VYBORG ARMY BARRACKS + RAILROAD STA NORTH AL3	604256N 0284605E	UR	

25X1

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT	IDHS CODE	COORD	COUN	ACCN NO.
LENINGRAD SOLID MOTOR TEST FACILITY 2	601250N	0304218E	UR	S087660
LENINGRAD ARMY BARRACKS DIBUNY AL33	600752N	0301011E	UR	S087863
PRIMORSK ROCKET ENGINE TEST FACILITY	601838N	0285121E	UR	S087453
LENINGRAD SOLID MOTOR TEST FACILITY 1	600401N	0303615E	UR	S086329
LENINGRAD SOLID MOTOR TEST FACILITY 3	601530N	0304441E	UR	S087660
LENINGRAD AIRCRAFT ENGINE R+D/TEST FACILITY	600247N	0301425E	UR	S085829
TOKSOVO AMMUNITION + ARTILLERY STORAGE DEPOT	600616N	0302747E	UR	S088357
VYBORG ARMY BARRACKS AL7 + ENGINEER DEPOT	604244N	0284528E	UR	S086996
VYBORG ARMY BARRACKS AL7 + ENGINEER DEPOT	604244N	0284528E	UR	
GROMOVO AIRFIELD AIRCRAFT BUNKERS	604252N	0300646E	UR	S086155
VYBORG AIRFIELD AIRCRAFT SEARCH	604430N	0283730E	UR	S086989
VYBORG AIRFIELD	604430N	0283730E	UR	S088267
VYBORG AIRFIELD EAST AIRCRAFT BUNKERS	604026N	0290957E	UR	S086157
VYBORG AIRFIELD EAST FLAGON SU-15 SEARCH	604026N	0290957E	UR	S086371
VYBORG AIRFIELD EAST FISHBED MIG-21 IDENT	604026N	0290957E	UR	
VYBORG AIRFIELD EAST AIRCRAFT SEARCH	604026N	0290957E	UR	S086983
YAKUTSK SPACE TRACKING FACILITY	615831N	1293913E	UR	S088052
ALDAN RADIO RELAY STATION	583110N	1253040E	UR	S086658
KUYVOZI MILITARY TRAINING AREA TA2	602325N	0303000E	UR	S088362
MAGADAN AMMUNITION DEPOT NORTH PUG	593620N	1505340E	UR	S088756
YELOVKA SPACE TRACKING FACILITY NNE	571424N	1613140E	UR	S086043

25X1

25X1

800

TOP SECRET CHESS RUFF

25X1

25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

KLYUCHI COMSAT STATION ORBITA

561823N 1605200E UR S086042

225X1

KAMCHATKA MISSILE INSTRUMENTATION SITE A1
 KAMCHATKA MISSILE INSTRUMENTATION SITE N5
 KAMCHATKA MISSILE INSTRUMENTATION SITE N6
 KAMCHATKA MISSILE INSTRUMENTATION SITE T1
 KAMCHATKA MISSILE INSTRUMENTATION SITE Z3

572841N 1610926E UR S085845
 571125N 1615304E UR
 571019N 1621641E UR
 570957N 1623416E UR
 572832N 1614751E UR

UKA/KAMCHATKA HEN EGG IMPACT TRACKING FACIL A

575615N 1620120E UR S086043

TYURATAM MTC COMPLEX C TRKG FAC ANTS AZIMUTHS

571600N 1624610E UR S087329

KAMCHATKA MISSILE IMPACT AREA NU A

570830N 1620244E UR S086043

KAMCHATKA MISSILE INSTRUMENTATION SITE M3

565007N 1614247E UR S085845

KLYUCHI TRACKING FACILITY AUXILIARY

561735N 1604000E UR S086042

KAMCHATKA MISSILE INSTRUMENTATION SITE Z1
 KAMCHATKA MISSILE INSTRUMENTATION ARRAY PROB

571927N 1615134E UR S085714
 572202N 1614334E UR

KAMCHATKA MISSILE INSTRUMENTATION SITE D4
 KAMCHATKA MISSILE INSTRUMENTATION SITE Z2

573022N 1621911E UR S085845
 572322N 1614907E UR

KAMCHATKA MISSILE INSTRUMENTATION SITE G

570142N 1620114E UR S086043

KLYUCHI RADIO COMMUNICATIONS XMTR STATION 1
 KLYUCHI RADIO COMMUNICATIONS XMTR STATION 2

561825N 1605038E UR S086042
 561542N 1604652E UR

LIEPAJA AIRFIELD TALL KING AW RADAR ELCT O/B

562750N 0210120E UR S086474

VICAK SPACE TRACKING FACILITY

573330N 0215100E UR S088052

PAPLAKA AVIATION TRAINING FAC AIRFRAME SEARCH

562730N 0212700E UR S086967

LIEPAJA NAVAL MISSILE SUPPORT FACILITY

563302N 0210010E UR S087905

GOTEBORG SHIPYARD ARENDAL GOTAVERKEN DRYDOCK

574212N 0114820E SW S087117

KULDIGA NAVAL VLF RADCOM TRANSMITTER STA/BKR
 KULDIGA NAVAL VLF RADCOM TRANSMITTER STA/BKR
 KULDIGA NAVAL VLF RADCOM TRANSMITTER STA/BKR

565628N 0215532E UR S088483
 565628N 0215532E UR
 565628N 0215532E UR

801

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1
25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

VAINODE AIRFIELD AIRCRAFT BUNKERS
TAPA CW MATERIEL STORAGE DEPOT PROB
SALDUS BOMBING TARGET
LENINGRAD ELECTRONICS FACILITY PROB
GATCHINA ORDNANCE DEPOT
LUGA MILITARY STORAGE FACILITY

562422N 0215311E UR S086067
592005N 0252005E UR S087167
563310N 0223550E UR S086315
595750N 0292525E UR S088136
593645N 0300730E UR S087096
584910N 0295630E UR S087089

25X1

25X1

NOVOYE SELO MILITARY INSTALLATION
KRASNYY BOR RADIO RELAY STATION NEW
KLINETS RADIO RELAY STATION NEW
KIRISHI RADIO RELAY STATION
LYUBAN RADIO RELAY STATION NORTH NEW
PALDISKI BOMBING RANGE

583530N 0314325E UR S088403
594025N 0304210E UR S086726
592900N 0325400E UR
592630N 0320040E UR
592150N 0311450E UR
592040N 0235420E UR S088435

802

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT	IDHS CODE	COORD	COUN	ACCN NO.
LENINGRAD SPACE TRACKING FACILITY RDO TLMTRY	594300N	0301000E	UR	S088161
LENINGRAD SPACE TRACKING FACILITY RDO TLMTRY	594300N	0301000E	UR	S088157
LENINGRAD SPACE TRACKING FACILITY	594300N	0301000E	UR	S088052
RIGA NAVAL BASE + SHIPYARD BOLDERAJA	570302N	0240146E	UR	S087194
RIGA NAVAL BASE + SHIPYARD BOLDERAJA	570302N	0240146E	UR	
LENINGRAD HEAVY EQUIP PLANT 185 FAB BLDG NEW	595302N	0301456E	UR	S086849
LENINGRAD HEAVY EQUIPMENT PLT KIROV 185 FIRE	595302N	0301456E	UR	S086075
LENINGRAD SHIPYARD ZHDANOV 190 WARSHIPS U/C	595233N	0301406E	UR	S087402
LENINGRAD SHIPYARD ZHDANOV 190	595233N	0301406E	UR	S087063
LENINGRAD SHIPYARD ZHDANOV 190 YARD FACS NEW	595233N	0301406E	UR	S087716
LENINGRAD SHIPYARD ZHDANOV 190A CL COMBATANT	595233N	0301406E	UR	S088473
LENINGRAD SHIPYARD PETROVSKIY CONST HALL	595736N	0301512E	UR	S085898
LENINGRAD SHIPYARD PETROVSKIY PETR C/STENKA	595736N	0301512E	UR	S084628
LENINGRAD SHIPYARD PETROVSKIY CONST PROGRAM	595736N	0301512E	UR	S087272
LENINGRAD SHIPYARD PETROVSKIY	595736N	0301512E	UR	S087063
LENINGRAD SHIPYARD SUDOMEKH 196	595541N	0301645E	UR	
LENINGRAD SHIPYARD ADMIRALTY ENVRNMTL SHELTER	595502N	0301618E	UR	S086623
LENINGRAD SHIPYARD ADMIRALTY 194	595502N	0301618E	UP	S087063
PETROKREPOST EXPLOSIVES/SOLID MTR PLT MOROZOV	595914N	0305935E	UP	S086684
PETROKREPOST EXPLOSIVES/SOLID MTR PLT MOROZOV	595914N	0305935E	UR	
PETROKREPOST EXPLOSIVES/SOLID MTR PLT MOROZOV	595914N	0305935E	UR	S086329
LENINGRAD INSTRUMENT STATE PLANT LIZ	595613N	0302319E	UR	S086637
LENINGRAD GUIDED MSL PLANT 458 CONST SUMMARY	595934N	0301721E	UR	S086305

25X125X1

803

TOP SECRET CHESS RUFF

25X1

25X1

TOP SECRET CHESS RUFF

25X1
25X1

WAC/BE

SUBJECT	IDHS CODE	COORD	COUN	ACCN NO.
LENINGRAD GUIDED MISSILE PRODUCTION PLANT 458	595934N	0301721E	UR	S086134
LENINGRAD APPLIED CHEMISTRY INSTITUTE	595656N	0301754E	UR	S086329
LENINGRAD AIRCRAFT ENG PLT 117 TEST CELL BLDG	595851N	0302023E	UR	S088572
LENINGRAD AIRCRAFT ENGINE PLT 117 IZOTOV OKB	595851N	0302023E	UR	S088555
LENINGRAD AIRCRAFT ENGINE PLT 117 IZOTOV OKB	595851N	0302023E	UR	S088514
KOLPINO SHIPYARD MIDDLE NEVA T-58 MSF MODIF	594716N	0303754E	UR	S086846
KOLPINO SHIPYARD MIDDLE NEVA	594716N	0303754E	UR	S087195
PALDISKI NAVAL BASE	592005N	0240451E	UR	S087909
PSKOV ARMY BARRACKS WEST AL1 AIRBORNE ACT	574830N	0281755E	UR	S086386
PSKOV ARMY BARRACKS WEST AL1 AIRBORNE ACT	574830N	0281755E	UR	
PSKOV ARMY BKS WEST AL1 ABRN REGT BMD EQUIP	574830N	0281755E	UR	S089021
PUSHKIN ARMY BARRACKS AL1/HQ ARTY DIV/SCHOOL	594217N	0302348E	UR	S087861
PUSHKIN ARMY BARRACKS AL1/HQ ARTY DIV/SCHOOL	594217N	0302348E	UR	
PSKOV ARMY BARRACKS AL4/HQ ABRN DIV ABRN ACT	574444N	0282244E	UR	S086386
PSKOV ARMY BARRACKS AL4/HQ ABRN DIV ABRN ACT	574444N	0282244E	UR	
PSKOV ARMY BKS AL4/HQ ABRN DIV BMD EQUIPPED	574444N	0282244E	UR	S089022
RIGA AIRCRAFT REPAIR BASE	565832N	0240351E	UR	S086568
RIGA MILITARY TRNG AREA 1 PONTOON FERRY EXER	570840N	0242430E	UR	S087895
PUSHKIN ARMY BARRACKS AL2 + HQ ARTILLERY DIV	594028N	0302711E	UR	S087862
KIRISHI PETROLEUM REFINERY	592859N	0320335E	UR	S085930
LENINGRAD ARMS PLANT KRASNOYE ZNAMYA FRUNZE 7	595736N	0302205E	UR	S086134

25X1

25X1

804

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

LENINGRAD SHIPYARD 189A CLASS AG STACK POSS	595518N 0301539E	UR	S086382
LENINGRAD SHIPYARD BALTIYSK 189A CLASS AG	595518N 0301539E	UR	S087038
LENINGRAD SHIPYARD BALTIYSK 189A CL NAVAL AUX	595518N 0301539E	UR	S086604
LENINGRAD SHIPYARD BALTIYSK 189 189A CLASS AG	595518N 0301539E	UR	S087408
LENINGRAD MACHINE + MISSILE PLT BOLSHEVIK 232	595129N 0302919E	UR	S086134
LENINGRAD MACHINE + MISSILE PLT BOLSHEVIK 232	595129N 0302919E	UR	
TALLINN NAVAL BASE + SHIPYARD MORSKOY ZAVOD	592713N 0244319E	UR	S087860
TALLINN NAVAL BASE + SHIPYARD MORSKOY ZAVOD	592713N 0244319E	UR	
RIGA ORDNANCE DEPOT D01	565545N 0240440E	UR	S088405
SOLTSY ASM SUPPORT FACILITY AS-4 ACTIVITY	580819N 0302058E	UR	S087556
PSKOV ARMY TRNG AREA SW 1 ABRN REGT BMD EQUIP	574535N 0281600E	UR	S089019
PSKOV ARMY TRNG AREA SOUTH ABRN REGT BMD	574250N 0282305E	UR	S089020
LENINGRAD GUIDED MISSILE PRODUCTION PLANT 272	595856N 0301901E	UR	S086134
LENINGRAD SA-5 TRNG SITE C21 SA-X-10 EQUIP	593307N 0295658E	UR	S086239
PUSHKIN AIRCRAFT REPAIR BASE 1	594143N 0302155E	UR	S086456
PUSHKIN AIRCRAFT REPAIR BASE 1	594153N 0302204E	UR	S088367
PUSHKIN AIRCRAFT REPAIR BASE 2	594225N 0302310E	UR	
OSTROV SSM TRAINING POSITION 2 CONVERTED	572310N 0281000E	UR	S087920
OSTROV SSM TRAINING POSITION 2 SS-11 ACTIVITY	572310N 0281000E	UR	S088512
RIGA SSM TRAINING FACILITY SS-11 GSE	571120N 0242026E	UR	S088114
RIGA SSM TRAINING FACILITY SS-11 ACTIVITY	571120N 0242026E	UR	S088512
LENINGRAD BOATYARD DEKABRISTOV DEKA A CL SES	595721N 0301520E	UR	S086071
LENINGRAD BOATYARD DEKABRISTOV DEKA A CL SES	595721N 0301520E	UR	S087706

25X1

805

TOP SECRET CHESS RUFF

25X1

25X1

TOP SECRET CHESS RUFF

25X1
25X1

WAC/BE

SUBJECT	IDHS CODE	COORD	COUN	ACCN NO.
RIGA MILITARY AVIATION ENGR SCHOOL A/F SEARCH		565610N 0241040E	UR	S086965
TALSI SPACE TRACKING FACILITY		571702N 0223555E	UR	S088052
MAZEIKIAI HEAT + THERMAL POWER PLANT TETS		561900N 0221800E	UR	S087915
PARNU AVTOKOLONNA 3054		582145N 0243334E	UR	S086173
SHAPKI ENGINEER DEPOT		593440N 0310952E	UR	S087074
PSKOV MILITARY STORAGE DEPOT		574830N 0282240E	UR	S087090
SIVERSKIY AIRFIELD TALM SUPPORT FACILITY		592250N 0300240E	UR	S086003
SIVERSKIY AIRFIELD TALM SUPPORT FACILITY		592250N 0300240E	UR	
MGA ENGINEER STORAGE FACILITY		594523N 0310140E	UR	S086259
VALGA AVTOKOLONNA 1004		574725N 0255908E	UR	S086718
TALLINN NAVAL FACILITIES/SHIPYARD/APPROACHES		5927 N 02441 E	UR	S087859
TALLINN NAVAL FACILITIES/SHIPYARD/APPROACHES		5927 N 02441 E	UR	
SIGULDA AVTOKOLONNA 1021		570916N 0245259E	UR	S086209
BALVI AVTOKOLONNA		5808 N 02714 E	UR	S086255
HAAPSALU AIRFIELD AIRCRAFT BUNKERS		585441N 0232928E	UR	S085999
KRUSTPILS AIRFIELD AIRCRAFT BUNKERS		563206N 0255330E	UR	S086066
PUSHKIN AIRFIELD		594104N 0302020E	UR	S086005
VASALEMMA AIRFIELD AIRCRAFT BUNKERS		591532N 0241213E	UR	S086143
PARNU AIRFIELD AIRCRAFT BUNKERS		582510N 0242826E	UR	S086004
PSKOV AIRFIELD CANDID IL-76		574700N 0282305E	UR	S086386
RIGA/RUMBULA AIRFIELD AIRCRAFT BUNKERS		565302N 0241336E	UR	S086069
RIGA AIRFIELD CENTRAL		565932N 0240433E	UR	S088372
RIGA AIRFIELD WEST MOSS TU-126 SEARCH		565525N 0235817E	UR	S086834

25X1^{25X1}

806

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

SIVERSKIY AIRFIELD AIRCRAFT BUNKERS

592120N 0300203E UR S086144

25X1

SOLTSY AIRFIELD AS-4 COUNTS
SOLTSY AIRFIELD AS-4 COUNTS

580822N 0301914E UR S087769
580822N 0301914E UR

SOLTSY AIRFIELD BACKFIRE PREFLIGHT ACTIVITY

580822N 0301914E UR S087556

TAPA AIRFIELD AIRCRAFT BUNKERS

591412N 0255718E UR S086007

TUKUMS AIRFIELD AIRCRAFT BUNKERS

565633N 0231327E UR S086068

GDOV AIRFIELD AIRCRAFT BUNKERS

584853N 0280050E UR S086154

RAKVERE/VAINUPAA AIRFIELD

593209N 0261855E UR S088347

GATCHINA AIRFIELD

593630N 0301630E UR S087770

25X1

SELIZHAROVO RADIO RELAY + TV BROADCAST STA
SELIZHAROVO RADIO RELAY + TV BROADCAST STA

565440N 0333505E UR S086229
565440N 0333505E UR

ZAGORSK SOLID PROPELLANT R+D FACILITY

561759N 0380913E UR S086329

GORBATOV RADIO RELAY STATION

560620N 0430330E UR S086619

IVANKOVO ARMY BARRACKS

564515N 0370920E UR S088438

ROSTOV RADIO RELAY STATION WSW

570923N 0391655E UR S086617

25X1

807

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1
ZUN!

WAC/BE

SUBJECT	IDHS CODE	COORD	COUN	ACCN NO.
CHAGODA RADIO RELAY STATION NEW		591054N 0352005E	UR	S086726
CHAGODA RADIO RELAY STATION		591054N 0352005E	UR	S088054
KOSTROMA SSM CPLX SILO MAT RCVG TYPE 3H CMPNT		575055N 0411445E	UR	S087444

25X1
ZUN!

25X1

ANISIMOVO RADIO RELAY STATION NEW		591000N 0350930E	UR	S086726
KRASNOARMEYSK SOLID MTR DEV ISOLATED TEST FAC		561015N 0381412E	UR	S086329
YAROSLAVL SYNTHETIC RUBBER PLANT		573800N 0395330E	UR	S086871
DZERZHINSK PLASTICS PLANT PROB		561730N 0433620E	UR	S085881
KIPELOVO AIRFIELD GCA SITE		591124N 0390740E	UR	S086662
MOSKVA MTC ABM COMPLEX E05 DISMANTLED/MODIF		561426N 0383409E	UR	S088215
MOSKVA MTC ABM COMPLEX E33 DISMANTLING/MODIF		562010N 0364807E	UR	S088246
MOSKVA MTC ABM CPLX E31 ABM-1 ERECTOR/LNCHR		560805N 0362937E	UR	S088146
GORKIY MOTOR VEHICLE PLANT GAZ		561448N 0435341E	UR	S086372
GORKIY AIRFRAME PLANT 21 FOXBAT MIG-25 COUNTS		561916N 0435100E	UR	S086414
GORKIY AIRFRAME PLANT ORDZHONIKIDZE 21		561916N 0435100E	UR	S087640
KALININ RAILROAD LOCOMOTIVE + CAR MFG/RPR PLT		565206N 0355053E	UR	S086372
GORKIY ARMAMENT PLT NOVoyE SORMOVO STALIN 92		561936N 0435321E	UR	
DZERZHINSK EXPLOSIVES + AMMO LDG SVERDLOV 80		561633N 0432318E	UR	S086427
IVANKOVSKIY GUIDED MISSILE PLT CONST SUMMARY		564521N 0370700E	UR	S086305
IVANKOVSKIY GUIDED MISSILE PLANT		564521N 0370700E	UR	S087499

808

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

IVANKOVSKIY GUIDED MISSILE PLANT	564521N 0370700E	UR	S087331
RYBINSK SHIPYARD KATEROSTROYENIYE 341	580352N 0384800E	UR	S087910
VOLOGDA ARMY BARRACKS PRILUKI AL5	591500N 0395408E	UR	S088788
BUY AMMUNITION STORAGE DEPOT 50	582601N 0413241E	UR	S087764
VLADIMIR AIR FORCE SCHOOL AIRCRAFT SEARCH	5608 N 04025 E	UR	S086968
VISHNIY VOLOCHEK AIR TECH SCHOOL A/F SEARCH	573521N 0343605E	UR	S086966

25X1

KOVROV ARMY BARRACKS WEST AL1 CBR TRAINING	562145N 0411412E	UR	S087944
KOVROV ARMY BARRACKS WEST AL1 CBR TRAINING	562145N 0411412E	UR	
SHUYA ARMY BARRACKS EAST AL1/SA-4 SUPPORT FAC	565030N 0412245E	UR	S088776
SHUYA ARMY BARRACKS EAST AL1/SA-4 SUPPORT FAC	565030N 0412245E	UR	
IVANOVO CRANE PLANT	565819N 0405715E	UR	S086372

25X1

ZAGORSK ROCKET ENGINE TEST FAC KRASNOZAVODSK	562544N 0381055E	UR	S087561
YEDROVO ICBM RTP GUIDANCE/CALIBRATION FACIL	575220N 0333907E	UR	S086055
YEDROVO ICBM RTP GUIDANCE/CALIBRATION FACIL	575220N 0333907E	UR	S086041
YEDROVO ICBM RTP GUIDANCE/CALIBRATION FAC	575216N 0333858E	UR	S088566
YAROSLAVSKAYA GRUPPA POL STORAGE FACILITY	561700N 0424639E	UR	S087433
TEYKOVO SSM COMPLEX POSITION 5 CONST ACT U/I	564833N 0401006E	UR	S087555
KOVROV GUIDED MSL/MACH/ARMS PLT CONST SUMMARY	562208N 0411934E	UR	S086305
KOVROV GUIDED MSL/MACH/ARMS PLT CONST SUMMARY	562208N 0411934E	UR	
KOVROV GUIDED MSL/MACH/ARMS PLT CONST SUMMARY	562208N 0411934E	UR	
KOVROV GUIDED MISSILE/MACHINE TOOL/ARMS PLT 2	562208N 0411934E	UR	S086134

25X1

TOP SECRET CHESS RUFF

25X1

25X1

TOP SECRET CHESS RUFF

25X1
25X1

WAC/BE

SUBJECT	IDHS CODE	COORD	COUN	ACCN NO.
KOVROV GUIDED MISSILE/MACHINE TOOL/ARMS PLT 2	562208N	0411934F	UR	
KOVROV GUIDED MISSILE/MACHINE TOOL/ARMS PLT 2	562208N	0411934E	UR	
KOSTROMA CONSTRUCTION + GM SUPPORT EQUIP PLT	574534N	0405333E	UR	S086372
KOSTROMA CONSTRUCTION + GM SUPPORT EQUIP PLT	574534N	0405333E	UR	
GORKIY SHIPYARD 112 SUBMARINE COMPONENTS	562142N	0435228E	UR	S085956
GORKIY SHIPYARD 112	562142N	0435228E	UR	S087063
GORKIY SHIPYARD 112 C CLASS SSGN LAUNCHED	562142N	0435228E	UR	S087737
GORKIY SHIPYARD 112 SUBMARINE REACTOR VAULTS	562142N	0435228E	UR	S088822
KIRZHACH SPACE TRACKING FACILITY	560312N	0383012E	UR	S088052
SOLNECHNOGORSK RADCOM TRANSMITTER COMPLEX	561204N	0365042E	UR	S087833
SOLNECHNOGORSK RADCOM TRANSMITTER COMPLEX	561204N	0365042E	UR	S087798
VOLOGDA ARMY BARRACKS NW AL2	591417N	0395402E	UR	S088789
KRASNOARMEYSK SOLID MOTOR DEVELOPMENT FACIL	560750N	0380954E	UR	S086329
REPIKHOVO RADIO RELAY + RADCOM XMTR STATION	561407N	0380018E	UR	S088582
REPIKHOVO RADIO RELAY + RADCOM XMTR STATION	561407N	0380018E	UR	
REPIKHOVO RADIO RELAY + RADCOM XMTR STATION	561407N	0380018E	UR	S088528
REPIKHOVO RADIO RELAY + RADCOM XMTR STATION	561407N	0380018E	UR	
KOSTROMA ICBM TRNG SITE 51X GDNC/CALIB FACIL	575123N	0411419E	UR	S086041
ZAGORSK MISSILE + SPACE DEVELOPMENT CENTER	562710N	0380435E	UR	S087561
ZAGORSK MISSILE + SPACE DEVELOPMENT CENTER	562710N	0380435E	UR	
KOSTROMA ICBM SITE 87 TYPE 3H SILO COMPONENTS	573207N	0413314E	UR	S087444
KIPELOVO AIRFIELD PETROLEUM PRODUCTS STGE RSV	591329N	0390947E	UR	S086662
SAVELYEVO RADIO RELAY STATION	560803N	0370420E	UR	S086725

25X1
25X1

25X1

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE	SUBJECT	IDHS CODE	COORD	COUN	ACCN NO.
	KALININ BOMBING RANGE		571030N 0355835E	UR	S086315
	ROSTOV RADIO RELAY STATION SW		570940N 0391800E	UR	S086617
	RZHEV AIRCRAFT REPAIR BASE		561556N 0342328E	UR	S086511
	PUSHKINO SPACE TRACKING FACILITY		560055N 0380029E	UR	S088052
	VOLOGDA AMMUNITION DEPOT DA1		591410N 0395530E	UR	S086838
	ROSTOV MILITARY VEHICLE REPAIR DEPOT D01		571125N 0392330E	UR	S088374
	[REDACTED]				
	DMITROV MISSILE PROPULSION R+D FACILITY		562539N 0372846E	UR	S087371
	VOSPUSHKA COMMAND CONTROL RCVR FAC SW BUNKER		560128N 0392434E	UR	S085856
	KIPELOVO NAVAL AVIATION COMMAND POST BKR NE		591414N 0391138E	UR	S086662
	KHOTKOVO MISSILE COMPONENTS PLANT PROB		561552N 0375828E	UR	S085881
	KIPELOVO NAVAL AVIATION COMD POST BKR SOUTH		591130N 0390810E	UR	S086662
	VOLOGDA MILITARY VEHICLE STORAGE FACILITY		591358N 0395250E	UR	S086990
	KONSTANTINOVSKIY ARMY BARRACKS		574612N 0393425E	UR	S087523
	TORZHOK MILITARY STORAGE FACILITY		570300N 0345900E	UR	S088469
	ZAGORSK MILITARY DEPOT DX1		561630N 0381400E	UR	S088067
	ZAGORSK MILITARY DEPOT DX1		561630N 0381400E	UR	S088748
	[REDACTED]				
	GORKIY/SORMOVO AIRFIELD FOXBAT MIG-25 EXPORT		561905N 0434740E	UR	S085857
	GORKIY/SORMOVO AIRFIELD FOXBAT MODIF FUEL TKS		561905N 0434740E	UR	S088007

25X1

25X1

25X1

25X1
25X1

811
TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

RYBINSK AIRFIELD		5800 N 03850 E	UR	S088373
RYBINSK AIRFIELD NE		580613N 0385537E	UR	S088266
KIPELOVO AIRFIELD CONSTRUCTION ACTIVITY		591124N 0390740E	UR	S085910
KIPELOVO AIRFIELD		591124N 0390740E	UR	S086662
KOSTROMA SSM COMPLEX GROUP I ACTIVITY SUMMARY		574345N 0413758E	UR	S086086
KOSTROMA SSM COMPLEX SILO DEPLOYMENT		574345N 0413758E	UR	S086777
YOSHKAR OLA BOMBING RANGE		562633N 0474100E	UR	S087955
LATYSHSKIY RADIO RELAY STATION		595635N 0481120E	UR	S086178
VASILSURSK ELECTRONICS FAC IONOSPHERIC HEATER		560845N 0460520E	UR	S088274
YURYA MOBILE IRBM BASE 1		590611N 0494531E	UR	S086814
YURYA MOBILE IRBM BASE 1		590611N 0494531E	UR	S088510
KIROV MISSILE + A/C CMPNTS PLT CONST SUMMARY		583834N 0493709E	UR	S086305
KIROV MISSILE + A/C CMPNTS PLT CONST SUMMARY		583834N 0493709E	UR	S086305
KIROV MISSILE + AIRCRAFT COMPONENTS PLANT 32		583834N 0493709E	UR	S086134
KIROV MISSILE + AIRCRAFT COMPONENTS PLANT 32		583834N 0493709E	UR	S086134
GORKIY PETROLEUM REFINERY NOVO GORKIY		560650N 0440820E	UR	S085930
YURYA ICBM RTP CONCEALMENT ACT SS-20 ASSOC		591045N 0492719E	UR	S087688
YURYA ICBM RTP CONCEALMENT ACT SS-20 ASSOC		591045N 0492719E	UR	S087688

25X1

25X1

YURYA ICBM COMPLEX COMMAND POST BUNKERED		590329N 0491658E	UR	S086814
SUROK NAVAL MSL TRSHPMT STGE SS-N-18 TRANS		562747N 0480919E	UR	S084641
VOTKINSK MISSILE/MACH/STEEL PLT CONST SUMMARY		570242N 0535903E	UR	S086305
VOTKINSK MISSILE/MACH/STEEL PLT CONST SUMMARY		570242N 0535903E	UR	S086305

25X1

25X1

812

TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

VOTKINSK MISSILE/MACH/STEEL PLANT 235 SSM ACT	570242N 0535903E	UR	S086488
VOTKINSK MISSILE/MACH/STEEL PLANT 235 SSM ACT	570242N 0535903E	UR	
GLAZOV URANIUM METALS PLANT 544 CONST NEW	580913N 0523905E	UR	S087714
CHEBOKSARY TV CENTER	560655N 0471522E	UR	S086060
YOSHKAR OLA RADIO RELAY + TV CENTER	563840N 0475230E	UR	
YOSHKAR OLA RADIO RELAY + TV CENTER	563840N 0475230E	UR	
YURYA ICBM HEADQUARTERS RADCOM RECEIVER STA	590615N 0491800E	UR	S086814
LYSKOVO RADIO RELAY STATION WEST	560100N 0444930E	UR	S087462
CHAYKOVSKIY SYNTHETIC RUBBER PLANT	564220N 0535530E	UR	S086871
YURYA ICBM HEADQUARTERS RDO RELAY/RADCOM XMTR	584400N 0493130E	UR	S086814
IZHEVSK HEAT + THERMAL POWER PLANT TETS 2	565328N 0532026E	UR	S087058
VOTKINSK MISSILE ASBLY/CHECKOUT CONST SUMMARY	570224N 0540830E	UR	S086305
VOTKINSK MISSILE ASBLY/CHECKOUT FACIL SSM ACT	570224N 0540830E	UR	S086488
VOTKINSK MISSILE ASSEMBLY + CHECKOUT FACILITY	570224N 0540830E	UR	S088395

25X1

YOSHKAR OLA AIRFIELD NORTH	564211N 0475332E	UR	S088880
YOSHKAR OLA SSM COMPLEX ICBM DEPLOYMENT	564740N 0483058E	UR	S085725
YOSHKAR OLA SSM COMPLEX	564740N 0483058E	UR	S086738
PERM STRATEGIC ROCKET FORCES BARRACKS	580220N 0561610E	UR	S087673
KRASNOYAR PERVYY RADIO RELAY + TV BDCST STA	565400N 0554010E	UR	S086230
KRASNOYAR PERVYY RADIO RELAY + TV BDCST STA	565400N 0554010E	UR	
YUG RADIO RELAY STATION	574230N 0560600E	UR	
BOGANDINSKIY RADIO RELAY STATION	565320N 0655400E	UR	S087648
SVERDLOVSK AIR DEFENSE COMMAND POST	564215N 0602340E	UR	S086817

25X1

TOP SECRET CHESS RUFF

25X1

25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

VERKHNYAYA SALDA MOBILE IRBM BASE 1	580818N	0603213E	UR	S086814
VERKHNYAYA SALDA MOBILE IRBM BASE 1	580818N	0603213E	UR	S088510
SVERDLOVSK THERMAL POWER PLANT TETS 2	565014N	0605029E	UR	S087058
NIZHNIY TAGIL RAILROAD CAR MFG PLT 183 MTU-20	575545N	0600526E	UR	S086534
NIZHNIY TAGIL RR CAR MFG PLT TRACKED CHASSIS	575540N	0600540E	UR	S087758
PERM AIRCRAFT ENGINE PLANT STALIN 19	575848N	0561508E	UR	S085867
PERM AIRCRAFT ENGINE PLANT STALIN 19	575848N	0561508E	UR	S085854
PERM AIRCRAFT ENGINE PLT STALIN SOLOVYEV OKB	575848N	0561508E	UR	S088524
PERM MUNITIONS + CHEMICAL COMBINE K KIROV 98	575807N	0555338E	UR	S087110
PERM MUNITIONS + CHEMICAL COMBINE K KIROV 98	575807N	0555338E	UR	
SVERDLOVSK GUIDED MISSILE PLT 8 CONST SUMMARY	565213N	0603707E	UR	S086305
SVERDLOVSK GUIDED MISSILE PRODUCTION PLANT 8	565213N	0603707E	UR	S086134
SVERDLOVSK RAILROAD YARD RAILCARS NUC ASSOC	565132N	0603540E	UR	S087084
SVERDLOVSK RAILROAD YARD RAILCARS NUC ASSOC	565132N	0603540E	UR	
SOLIKAMSK POWDER + SOLID MOTOR PLANT BOROVS	594020N	0564252E	UR	S086676
SOLIKAMSK POWDER + SOLID MTR PROD PLT BOROVS	594020N	0564252E	UR	S087110
SOLIKAMSK POWDER + SOLID MTR PROD PLT BOROVS	594020N	0564252E	UR	
PERM ORDNANCE DEPOT CENTRAL D01	575930N	0561601E	UR	S087676
PERM ORDNANCE DEPOT CENTRAL D01	575930N	0561601E	UR	S088613
SHADRINSK MILITARY VEHICLE/EQUIPMENT PARK	560950N	0634020E	UR	S088369
VERKH NEYVINSKIY URANIUM ISO SEP PLANT NORTH	571742N	0600420E	UR	S085957

25X1

25X1

814
TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE	SUBJECT	IDHS CODE	COORD	COU	ACCN NO.
	KRASNOURALSK EXPLOSIVES PLANT		581924N 0600625E	UR	S086430
	NIZHNYAYA SALDA ROCKET ENGINE TEST FACILITY		580930N 0605602E	UR	S087561
	NIZHNYAYA SALDA ROCKET ENGINE TEST FACILITY		580930N 0605602E	UR	S088575
	NIZHNYAYA SALDA ROCKET ENGINE TEST FACILITY		580930N 0605602E	UR	S088570
	NIZHNYAYA SALDA ROCKET ENGINE TEST FAC CONST		580930N 0605602E	UR	S088568
	NIZHNYAYA SALDA ROCKET ENGINE TEST FACILITY		580930N 0605602E	UR	S088567
	NIZHNYAYA SALDA ROCKET ENGINE TEST FACILITY		580930N 0605602E	UR	S088563
	VERKHNYAYA SALDA ICBM COMPLEX HQ BUNKERED		580215N 0602250E	UR	S086814
	PERM SOLID MOTOR PRODUCTION PLANT		575918N 0555330E	UR	S087110
	PERM ARMY BARRACKS AL2		575931N 0561552E	UR	S087674
	PERM MILITARY TRAINING AREA TA1		580022N 0562500E	UR	S087675
	PERM RADIO RELAY + TV BROADCAST CENTER		580040N 0561725E	UR	S086230
	PERM RADIO RELAY + TV BROADCAST CENTER		580040N 0561725E	UR	
	TYUMEN TV + FM BROADCASTING CENTER		570756N 0653548E	UR	S086274
	NIZHNIY TAGIL ORDNANCE R+D FACILITY		575128N 0600439E	UR	S085780
	VERKHNYAYA SALDA ICBM HQ RECEIVER BKR HARD		580426N 0602441E	UR	S086814
	VERKHNYAYA SALDA ICBM HQ RADCOM TRANSMITTER		575339N 0601106E	UR	
	PERM AVIATION TECHNICAL SCHOOL AIRCRAFT SRCH		575720N 0561240E	UR	S086982
	KOMMUNAR RADIO RELAY STATION		563435N 0653030E	UR	S087648
	TYUMEN RADIO RELAY STATION NW TOWER SEARCH		571320N 0652955E	UR	

25X1

25X1

TOP SECRET CHESS RUFF

25X1

25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT	IDHS CODE	COORD	COUN	ACCN NO.
PERM ICBM COMPLEX HQ COMSAT STATION ANTENNAS		574550N 0561125E	UR	S086816

25X1
25X1

ZAVODOUSPENSKOYE RADIO RELAY STATION		565200N 0650120E	UR	S087648
SVERDLOVSK OPTICAL EQUIPMENT PLANT 217		564900N 0603900E	UR	S086813
SVERDLOVSK OPTICAL EQUIPMENT PLANT 217		564900N 0603900E	UR	S086731
SVERDLOVSK ARTILLERY TEST RANGE		570400N 0604230E	UR	S088452
SVERDLOVSK ARTILLERY TEST RANGE		570400N 0604230E	UR	S088674
PERM SSM COMPLEX SS-11 PRPLNT TRF FACIL MODIF		573558N 0561511E	UR	S086051
YALUTOROVSK RADIO RELAY STATION		563850N 0661630E	UR	S085981
SOZONOVO RADIO RELAY STATION		570856N 0661643E	UR	S087648

25X1

25X1

KOLPASHEVO ESV TRACKING FACILITY		582011N 0825257E	UR	S088052
KOLPASHEVO ESV TRACKING RADCOM XMTR STATION		581910N 0825755E	UR	
KOLPASHEVO ESV TRACKING RADCOM XMTR STATION		581910N 0825755E	UR	
DODONOVO MISSILE + SPACE COMPONENTS PLANT		561540N 0933135E	UR	S086809
DODONOVO MISSILE + SPACE COMPONENTS PLANT		561540N 0933135E	UR	
DODONOVO MISSILE + SPACE COMPONENTS PLANT		561534N 0933147E	UR	S086929
DODONOVO MISSILE + SPACE COMPONENTS PLANT		561534N 0933147E	UR	

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUNTRY

ACCN NO.

KRASNOYARSK HEAT + THERMAL POWER PLANT TETS 1	560132N	0930144E	UR	S087503
KRASNOYARSK SYNTHETIC RUBBER PLANT	560111N	0930111E	UR	S086871
KRASNOYARSK EXPLOSIVES + SOLID MOTOR PROD PLT	560236N	0930237E	UR	S086681
KRASNOYARSK EXPLOSIVES + SOLID MOTOR PROD PLT	560236N	0930237E	UR	
KRASNOYARSK EXPLOSIVES + SOLID MOTOR PROD PLT	560236N	0930237E	UR	S087110
KRASNOYARSK EXPLOSIVES + SOLID MOTOR PROD PLT	560236N	0930237E	UR	
ACHINSK AIR FORCE SCHOOL AIRFRAME SEARCH	561517N	0902820E	UR	S086977
NAZAROVO THERMAL POWER PLANT GRES 1	560220N	0902022E	UR	S087503
KRASNOYARSK SA-2 SITE B02 MAZ-543 SS-1 BRGD	561846N	0930024E	UR	S084649
GLADKAYA ICBM SITE 2 DEACTIVATED	562459N	0922702E	UR	S086814
ZAOZERNYY THERMAL POWER PLT KRASNOYARSK GRES	560849N	0942851E	UR	S087503
DODONOVO ATOMIC ENERGY COMPLEX	561921N	0933511E	UR	S085541
DODONOVO ATOMIC ENERGY COMPLEX	561921N	0933511E	UR	S085957
GLADKAYA ICBM SITE 3 DISMANTLED	562027N	0921956E	UR	S086814
KRASNOYARSK ROCKET ENGINE TEST FACILITY	560614N	0932550E	UR	S086128
KRASNOYARSK ROCKET ENGINE TEST FACIL SLBM ACT	560614N	0932550E	UR	S086131
YENISEYSK ESV TRACKING/MOLNIYA RDO FAC TLMTRY	582643N	0921604E	UR	S088161
YENISEYSK ESV TRACKING/MOLNIYA FAC RDO TLMTRY	582643N	0921604E	UR	S088165
YENISEYSK ESV TRACKING/MOLNIYA FACILITY	582643N	0921604E	UR	S088052
GLADKAYA ICBM COMPLEX CP BKR COMD CNTRL FACS	561419N	0921918E	UR	S086814
KRASNOYARSK ARMS PLANT VOROSHILOV 4	560054N	0925913E	UP	S086128
KRASNOYARSK ARMS PLANT VOROSHILOV 4 SLBM ACT	560054N	0925913E	UR	S086131

25X1

25X1

TOP SECRET CHESS RUFF

25X1

25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT	IDHS CODE	COORD	COUN	ACCN NO.
KRASNOYARSK ARMS PLT VOROSHILOV CONST SUMMARY	560054N	0925913E	UR	S086305
KRASNOYARSK ARMS PLANT VOROSHILOV 4 SLBM ACT	560054N	0925913E	UR	S086131
GLADKAYA ICBM HQ RADCOM XMTR STA COMD CONTROL	560927N	0930036E	UR	S086814
GLADKAYA ICBM HQ RADCOM RCVR STA COMD CONTROL	561544N	0921645E	UR	
SYSTYG KHEM RADIO RELAY STA WEATHER STA POSS	521348N	0952700E	UR	S086159
SYSTYG KHEM RADIO RELAY STA WEATHER STA POSS	521348N	0952700E	UR	
NIZHNEUDINSK MILITARY BKS AL1/HQ MRD BTR-70	545450N	0990323E	UR	S088428
NIZHNEUDINSK MILITARY BARRACKS AL1 + HQ MRD	545450N	0990323E	UR	S088878
TSENTRALNYY GOLD COMPLEX	551245N	0873845E	UR	S086310
KISELEVSK COAL GASIFICATION STATION U/G	535602N	0863850E	UR	S085672
BEREKULSKIY GOLD CONCENTRATION PLANT	553130N	0880800E	UR	S086310
KRASNOYARSK HEAT + THERMAL POWER PLANT TETS 2	555720N	0925920E	UR	S087915
KRASNOYARSK HEAT + THERMAL POWER PLANT TETS 2	555720N	0925920E	UR	S087503
KEMEROVO AMMUNITION LOADING/EXPLO PLT RAKETA	552416N	0855815E	UR	S086436
KEMEROVO AMMUNITION LDG/EXPLO PLT RAKETA 392	552416N	0855815E	UR	S087110
BELOVO ZINC PLANT	542614N	0861834E	UR	S085663
BIYSK HEAT + THERMAL POWER PLANT TETS 1	522925N	0850505E	UR	S085915
KEMEROVO THERMAL POWER PLANT	552104N	0855934E	UR	S087915
BIYSK EXPLOSIVES PLANT	522945N	0850631E	UR	S086437
UZHUR ICBM COMPLEX CP BUNKER GDNC/CALIB FACIL	551647N	0894907E	UR	S086041
BIYSK SOLID MOTOR PRODUCTION PLANT 1	522905N	0850710E	UR	S087110

25X1

25X1

TOP SECRET CHESS RUFF

25X1

25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

25X1

KEMEROVO SOLID MOTOR PRODUCTION PLANT		552458N 0855832E	UR	S087110
UZHUR ICBM RTP SS-18 SHIPPING CONTAINERS POSS		551557N 0894434E	UR	S087257
UZHUR ICBM RTP SS-18 MOD-4 ASSOC CYLINDERS		551557N 0894434E	UR	S088076
UZHUR ICBM RTP STORAGE BLDG SS-18 CANS POSS		551557N 0894434E	UR	S087980
BIYSK ARMY BARRACKS AL2 + HEADQUARTERS MRD		523245N 0851210E	UR	S088874
BIYSK ARMY TRAINING AREA TA1 HEAVY LIFT REGT		523000N 0852500E	UR	S084635
BIYSK ARMY TRAINING AREA TA1		523036N 0852110E	UR	S087177
UZHUR ICBM SITE 39 SS-18 PAYLOAD ACTIVITY		551150N 0903527E	UR	S088011
YURGA ARMY BKS SE AL1 HEAVY ARTY BRGD IDENT		554139N 0845941E	UR	S086717
YURGA ARMY BARRACKS SE AL1		554139N 0845941E	UR	S088779
ABAKAN ARMY BARRACKS AL1 + HEADQUARTERS MRD		534138N 0912342E	UR	S088780
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
BIYSK SOLID MOTOR TEST AREA 2 SEGMENTED MOTOR		523119N 0850154E	UR	S086889
BIYSK SOLID MOTOR TEST AREA 2 SEGMENTED MOTOR		523119N 0850154E	UR	S087701
BIYSK SOLID MOTOR TEST AREA 2		523119N 0850154E	UR	S087110

25X1

BIYSK SOLID MOTOR PRODUCTION PLT 2 EXPLOSION		522850N 0850300E	UR	S086190
BIYSK SOLID MOTOR PRODUCTION PLANT 2		522850N 0850300E	UR	S087110
BIYSK SOLID MOTOR TEST AREA 1		523054N 0850500E	UR	

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1
25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

UZHUR ICBM COMPLEX SILO DEPLOYMENT

551736N 0900138E UR S087601

SUZUN RADIO RELAY STATION

534700N 0822010E UR S086450

NOVOSIBIRSK MOBILE IRBM BASE 3

551940N 0825626E UR S088510

KYZYLTAM RADIO RELAY STATION
CHERNORETSK RADIO RELAY STATION
KACHIRY RADIO RELAY STATION EAST NEW IDENT

525505N 0763146E UR S086177
524548N 0764001E UR
530312N 0760758E UR

BARNAUL SPACE TRACKING FAC 12-METER DISH ANT

531832N 0832159E UR S086270

BARNAUL SPACE TRACKING FACILITY

531832N 0832159E UR S088052

25X125X1

25X1

NOVOSIBIRSK AIRCRAFT REPAIR BASE

545632N 0824203E UR S087761

NOVOSIBIRSK ICBM HQ RADCOM TRANSMITTER STA

550944N 0825615E UR S086814

NOVOSIBIRSK ICBM RTP SS-16/20 ASSOC VEH CF

551616N 0830133E UR S085972

NOVOSIBIRSK ICBM RTP SS-16/20 ASSOC VEH CF

551616N 0830133E UR

NOVOSIBIRSK IRBM RTP SS-20 FIELD EXER PROB

551616N 0830133E UR S086599

NOVOSIBIRSK IRBM RTP SS-20 CAMOUFLAGE ACT

551616N 0830133E UR S087637

NOVOSIBIRSK IRBM RTP SS-20 CAMOUFLAGE ACT

551616N 0830133E UR

NOVOSIBIRSK IRBM RTP SS-20 FIELD TRAINING

551616N 0830133E UR S087208

NOVOSIBIRSK ICBM RTP SS-20 FIELD TRNG EXER

551616N 0830133E UR S087993

NOVOSIBIRSK ICBM RTP SS-20 FIELD TRNG EXER

551616N 0830133E UR

NOVOSIBIRSK ICBM COMPLEX COMMAND POST BKR

550918N 0825700E UR S086814

ALEYSK ICBM TRAINING SITE 14X 6DNC/CALIB FAC

522818N 0824050E UR S086041

NOVOSIBIRSK ARMY BARRACKS NORTH AL7

550740N 0825440E UR S088179

TOPCHIKHA ARMY BARRACKS AL1

524845N 0830735E UR S088874

NOVOSIBIRSK ICBM HQ RADCOM RECEIVER BKR HARD

551621N 0825853E UR S086814

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE	SUBJECT	IDHS CODE	COORD	COUN	ACCN NO.
--------	---------	-----------	-------	------	----------

25X1

	NOVOSIBIRSK MOBILE IRBM BASE 1 COMD CNTRL FAC		551904N 0831001E	UR	S086814
	NOVOSIBIRSK MOBILE IRBM BASE 1		551904N 0831001E	UR	S088510
	NOVOSIBIRSK MOBILE IRBM BASE 2 COMMAND CNTRL		552215N 0831401E	UR	S086814
	NOVOSIBIRSK MOBILE IRBM BASE 2 SS-16/20 EQUIP		552215N 0831401E	UR	S088219
	NOVOSIBIRSK MOBILE IRBM BASE 2 SS-16/20 EQUIP		552215N 0831401E	UR	
	NOVOSIBIRSK MOBILE IRBM BASE 2		552215N 0831401E	UR	S088510
	NOVOSIBIRSK AIRFIELD NORTH HELICOPTER RPR FAC		550530N 0825409E	UR	S087762
	NOVOSIBIRSK AIRFIELD NORTH HELICOPTER RPR FAC		550530N 0825409E	UR	
	ALEYSK ICBM COMPLEX SILO DEPLOYMENT		522845N 0830520E	UR	S087604
	CHERLAK TV BROADCAST STA MERCURY PLATE ANT		541000N 0744710E	UR	S086177

25X1

	IRTYSH RADIO RELAY STATION MERCURY PLATE ANTS		543000N 0742130E	UR	S086177
	AKSU GOLD PLANT NORTH		522955N 0720155E	UR	S086310
	PETROPAVLOVSK MISSILE ASSEMBLY FACILITY PROB		545247N 0691643E	UR	S088395
	OMSK TANK PLANT VOROSHILOV 174 TANK NEW PROB		545556N 0732329E	UR	S087256
	OMSK AIRFRAME PLANT 166 CONSTRUCTION SUMMARY		545759N 0732748E	UR	S086305
	OMSK AIRCRAFT REPAIR BASE SW 1		545713N 0731921E	UR	S086404
	OMSK ORDNANCE + AMMUNITION DEPOT		550052N 0732337E	UR	S088726
	OMSK PETROLEUM REFINERY		550414N 0731351E	UR	S085930

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

OMSK SYNTHETIC RUBBER PLANT		550423N 0731653E	UR	S086871
OMSK ARMY BKS/SCHOOL AL6 TK COMD ENGR SCHOOL		545048N 0732420E	UR	S085949
OMSK ARMY BKS/SCHOOL AL6 TK COMD ENGR SCHOOL		545048N 0732420E	UR	
BESTOBE GOLD COMPLEX		523000N 0730600E	UR	S085659
AKSU GOLD PROCESSING PLANT		522700N 0715615E	UR	S086310
OMSK AIRCRAFT REPAIR BASE SW 2		545704N 0732037E	UR	S086454
OMSK MILITARY INSTL AL10 TANK SCHOOL RELOC		545830N 0732250E	UR	S085949
OMSK MILITARY INSTL AL10 TANK SCHOOL RELOC		545830N 0732250E	UR	
KYSHTYM PLUTONIUM PRODUCTION PLT TATYSH AREA		554000N 0604100E	UR	S085957
MIASS MISSILE DEVELOPMENT + PROD FAC SLBM ACT		550639N 0600855E	UR	S086131
MIASS MISSILE DEVELOPMENT + PROD FACIL PROB		550640N 0600820E	UR	S087354
MIASS MISSILE DEVELOPMENT + PROD FACIL PROB		550640N 0600820E	UR	S087317
TATYANOVKA BOMBING RANGE SEARCH		5330 N 06445 E	UR	S088366
ZLATOUST ARMAMENT PLANT 66		550617N 0594223E	UR	S086128
ZLATOUST ARMAMENT PLANT 66 CONST SUMMARY		550617N 0594223E	UR	S086305
ZLATOUST ARMAMENT PLANT 66 SLBM ACTIVITY		550617N 0594223E	UR	S086131
ZLATOUST ARMAMENT PLANT 66 SLBM ACTIVITY		550617N 0594223E	UR	
MIASS MOTOR VEHICLE PLANT URAL		550425N 0600630E	UR	S088392
PLAST GOLD COMPLEX		542211N 0604914E	UR	S086310

25X1

25X1

KYSHTYM PLUTONIUM PRODUCTION PLANT		554224N 0604800E	UR	S085957
KYSHTYM PLUTONIUM PROD PLANT CHEM SEP AREA 3		554224N 0604800E	UR	S086858

25X1

822
TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

CHELYABINSK ARMY BARRACKS AL2 + ORD DEPOT D01
 CHELYABINSK ARMY BARRACKS AL2 + ORD DEPOT D01

551138N 0612708E UR S087075
 551138N 0612708E UR

25X1

25X1

KARTALY ICBM RTP GUIDANCE/CALIBRATION FACIL
 KARTALY ICBM RTP SS-18 MOD 4-ASSOC 2.2M CYLS
 CHELYABINSK STEEL + MACHINE TOOL PLANT ORDZ 2
 CHELYABINSK ZINC ELECTROLYSIS PLANT
 IKOVKA ORDNANCE DEPOT D01
 PROSVET AMMUNITION DEPOT SE DA1
 ZLATOUST ROCKET ENGINE TEST FACILITY
 ZLATOUST ROCKET ENGINE TEST FACILITY SLBM ACT
 IKOVKA RADIO RELAY STATION
 TROITSK AIR TRAINING INSTL PROB AIRCRAFT SRCH
 KURGAN MEDICINAL PREPARATIONS PLANT
 KURGAN MEDICINAL PREPARATIONS PLANT HARDENED
 KURGAN MEDICINAL PREPARATIONS PLANT
 KURGAN ARMORED VEHICLE PLANT
 CHELYABINSK ARMORED VEHICLE TEST AREA BMP
 KARTALY SSM COMPLEX SILO DEPLOYMENT
 BIRSK RADIO RELAY STATION
 BORAYEVO RADIO RELAY + TV BROADCAST STATION
 BORAYEVO RADIO RELAY + TV BROADCAST STATION

530034N 0603347E UR S086041
 530034N 0603347E UR S087736
 550849N 0612830E UR S087154
 551236N 0612241E UR S085663
 553553N 0645748E UR S088609
 553310N 0650634E UR S088062
 550837N 0595455E UR S086128
 550837N 0595455E UR S086131
 553650N 0645630E UR S086159
 540500N 0613130E UR S086976
 552409N 0651257E UR S087057
 552409N 0651257E UR S087043
 552409N 0651257E UR S088194
 552751N 0651917E UR S085990
 551515N 0613345E UR S087933
 525311N 0603417E UR S087600
 552145N 0553240E UR S086230
 554810N 0552120E UP
 554810N 0552120E UR

TOP SECRET CHESS RUFF

25X1
 25X1

TOP SECRET CHESS RUFF

25X1
25X1

WAC/BE

SUBJECT IDHS CODE COORD COUN ACCN NO.

NOVOKUYBYSHEV SYNTHETIC RUBBER PLANT	530430N	0525200E	UR	S086871
STERLITAMAK THERMAL POWER PLANT TETS 2	534010N	0555418E	UR	S087058
NIZHNEKAMSK THERMAL POWER PLANT TETS 2	553436N	0515623E	UR	
BLAGOVESHCHENSK HEAT + THERMAL POWER PLANT	550148N	0560159E	UR	
ULYANOVSK MOTOR VEHICLE + MSL SUPT EQUIP PLT	541848N	0481959E	UR	S086372
ULYANOVSK MOTOR VEHICLE + MSL SUPT EQUIP PLT	541848N	0481959E	UR	
KAZAN AIRFRAME PLT 22 BACKFIRE WING CMPNT CRT	555140N	0490700E	UR	S085667
KAZAN AIRFRAME PLANT GORBUNOV 22 BACKFIRE B	555140N	0490700E	UR	S086181
KAZAN AIRFRAME PLANT 22 BACKFIRE SHPG CONTS	555140N	0490700E	UR	S087622
KAZAN AIRFRAME PLANT GORBUNOV BACKFIRE MODIF	555140N	0490700E	UR	S087424
KAZAN AIRFRAME PLANT 22 BACKFIRE SHPG CONTS	555140N	0490700E	UR	S088134
KUYBYSHEV AIRFRAME PLANT 18 CARELESS TU-154	531300N	0501814E	UR	S087621
KUYBYSHEV AIRFRAME PLANT LENIN 18 STOL DEV	531300N	0501814E	UR	S087619
KUYBYSHEV AIRFRAME PLANT CARELESS BORT COUNTS	531300N	0501814E	UR	S087890
KUYBYSHEV AEROSPACE PRODUCTION PLANT 1	531315N	0501804E	UR	S087561
KUYBYSHEV AEROSPACE PRODUCTION PLANT 1 CONST	531315N	0501804E	UR	S088625
KAZAN AIRCRAFT ENGINE PLANT 16	555119N	0490620E	UR	S086329
KAZAN AIRFRAME PLANT A387	554801N	0490251E	UR	S086702
CHAPAYEVSK EXPLOSIVES + MUN LDG CMB 309/15	525820N	0494310E	UR	S086429
KUYBYSHEV PETROLEUM REFINERY LEND LEASE 3	530611N	0500332E	UR	S085930
KUYBYSHEV EXPERIMENTAL A/C + ROCKET ENG PLANT	532053N	0501231E	UR	S085842
KUYBYSHEV EXPERIMENTAL A/C + ROCKET ENG PLANT	532053N	0501231E	UR	
KUYBYSHEV EXPERIMENTAL A/C + ROCKET ENG PLANT	532053N	0501231E	UR	S085846

25X1
25X1

824

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

KUYBYSHEV EXPERIMENTAL A/C + ROCKET ENG PLANT
 KUYBYSHEV EXPERIMENTAL A/C + ROCKET ENG PLANT
 KUYBYSHEV EXPERIMENTAL A/C + ROCKET ENG PLANT
 KUYBYSHEV EXPERIMENTAL A/C + ROCKET ENG PLANT
 KUYBYSHEV EXPERIMENTAL A/C + ROCKET ENG PLANT
 KUYBYSHEV EXPERIMENTAL A/C + ROCKET ENG PLANT
 KUYBYSHEV EXPERIMENTAL A/C + ROCKET ENG PLANT
 KUYBYSHEV EXPERIMENTAL A/C + ROCKET ENG PLANT
 KUYBYSHEV HEAT + THERMAL POWER PLT BEZYMANKA
 SALAVAT PETROLEUM REFINERY + CHEMICAL COMBINE
 SALAVAT PETROLEUM REFINERY + CHEMICAL COMBINE

532053N 0501231E UR
 532053N 0501231E UR S085859
 532053N 0501231E UR
 532053N 0501231E UR S088525
 532053N 0501231E UR
 532053N 0501231E UR S088596
 532053N 0501231E UR
 532053N 0501231E UR S088589
 532053N 0501231E UR
 531158N 0501738E UR S087915
 532438N 0555400E UR S087529
 532438N 0555400E UR

25X1

TOLYATTI SYNTHETIC RUBBER PLANT
 KURUMOCH ROCKET ENGINE TEST FAC TWO-TONE TKS
 KURUMOCH ROCKET ENGINE TEST FACILITY
 KURUMOCH ROCKET ENG TEST FAC ACOUSTICAL TEST
 KURUMOCH ROCKET ENGINE TEST FAC TWO-TONE TANK
 STERLITAMAK SYNTHETIC RUBBER PLANT

533216N 0492705E UR S086871
 533215N 0495116E UR S086810
 533215N 0495116E UR S087561
 533215N 0495116E UR S087559
 533215N 0495116E UR S086936
 534019N 0555706E UR S086871

25X1

STERLITAMAK EXPLOSIVES/SOLID MTR PROD PLT 850
 STERLITAMAK EXPLOSIVES/SOLID MTR PROD PLT 850
 STERLITAMAK EXPLOSIVES/SOLID MTR PROD PLT 850
 STERLITAMAK EXPLOSIVES/SOLID MTR PROD PLT 850

534200N 0555807E UR S086677
 534200N 0555807E UR
 534200N 0555807E UR S087110
 534200N 0555807E UR

25X1

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1
25X1

WAC/BE

SUBJECT	IDHS CODE	COORD	COUN	ACCN NO.
UFA RADIO RELAY + TV BROADCAST CENTER		544324N 0555525E	UR	S086230
UFA RADIO RELAY + TV BROADCAST CENTER		544324N 0555525E	UR	
KAZAN AIRFRAME PLANT B387		555119N 0490231E	UR	S087934
KAZAN AIRFRAME PLANT B387		555119N 0490231E	UR	S088000
KAZAN SYNTHETIC RUBBER PLANT KIROV SK4		554504N 0490712E	UR	S086871
UFA PETROLEUM REFINERY STARO UFIMSKIY		545054N 0560513E	UR	S085930
ZELENODOLSK SHIPYARD 340		555011N 0483008E	UR	S087063
TOTSKOYE ARMY BARRACKS AL1 MINE-ASSOC VEH		523041N 0524711E	UR	S088669
[REDACTED]				
KAZAN MISSILE PROPULSION R+D FACILITY		555345N 0485007E	UR	S086329
NIZHNEKAMSK PETROCHEMICAL COMBINE		553627N 0515524E	UR	S086871
KUYBYSHEV MILITARY TRAINING AREA 1/BKS AL3		530435N 0503000E	UR	S085994
[REDACTED]				
KAZAN HEAT + THERMAL POWER PLANT TETS 3		555204N 0485708E	UR	S087915
NABEREZHNYYE CHELNY MOTOR VEH PLT KAMA RIVER		554130N 0522730E	UR	S087751
UFA RADIO RELAY STATION		544416N 0555839E	UR	S086058
KUMERTAU AIRFRAME PLANT HELI NEW KAMOV-DESIGN		524700N 0554650E	UR	S088835
KAZAN AVTOKOLONNA 1186		555051N 0490303E	UR	S086172
STARAYA TYURLEMA RADIO RELAY STATION		554545N 0481355E	UR	S086060
KAZAN AIRFIELD NORTH BACKFIRE B MODIF ACT		555203N 0490800E	UR	S088531
KAZAN HELIPORT NW		555130N 0490215E	UR	S088000

25X1

25X1

25X1

826

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

TOTSKOYE AIRFIELD

522945N 0524704E UR S088370

25X1

RYAZAN MILITARY TRAINING AREA BOMBING RANGE
RYAZAN MILITARY TRAINING AREA BOMBING RANGE

544020N 0395700E UR S086315
544020N 0395700E UR

KANADEY RADIO RELAY STATION

530855N 0473200E UR S086142

BELOOMUT SPACE TRKG FACIL A/C TEST LANE ASSOC

545700N 0392110E UR S087375

LUKHOVITSY RADAR TEST FAC AIRBORNE EW RDR NEW

545431N 0390227E UR S085929

25X1

BALAKOVO MACHINE BUILDING PLANT DZERZHINSKIY

520219N 0474801E UR S086249

25X1

ALATYR ARTILLERY DEPOT D01

545024N 0463324E UR S088465

LIPETSK AIR FORCE SCHOOL AIRFRAME SEARCH

523700N 0393400E UR S086969

PENZA AIR FORCE SCHOOL AIRFRAME SEARCH

5311 N 04503 E UR S086971

25X1

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

SARANSK MOTOR VEHICLE PLANT

541227N 0451005E UR S087666

25X1

25X1

RYAZAN PETROLEUM REFINERY

543402N 0394441E UR S085930

25X1

PENZA TV + FM BROADCAST CENTER

531110N 0445900E UR S086060

SARANSK RADIO RELAY/TV/FM BROADCASTING CENTER
SARANSK RADIO RELAY/TV/FM BROADCASTING CENTER

541113N 0450855E UR S086142
541113N 0450855F UR

25X1

LUKHOVITSY AIRFRAME PLANT

545455N 0390220E UR S087643

OREKHOVO ZUYEVO MILITARY STORAGE DEPOT DX1

555211N 0390705F UR S088463

25X1

RYAZAN AVTOKOLONNA 1132

544730N 0394618E UR S087094

RYAZAN AVTOKOLONNA 2947

543639N 0394051E UR S086297

25X1

828

TOP SECRET CHESS RUFF

25X1

25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

25X1

RYAZAN AIR FORCE LRA HQ/SCHOOL BACKFIRE COUNT
 LUKHOVITSY AIRFIELD
 CHUCHKOVO AIRFIELD
 BRONNITSY MILITARY VEHICLE TEST AREA

5438 N 03934 E UR S086970
 545418N 0390130E UR S087643
 541429N 0413021E UR S086452
 552700N 0380800E UR S086372

25X1

RAMENSKOYE FLIGHT TEST CENTER BACKFIRE B ACT
 RAMENSKOYE FLIGHT TEST CENTER AREA 2 AS-9
 RAMENSKOYE FLIGHT TEST CENTER AREA 2 AS-9
 IMENI TSYURUPY RADIO RELAY STATION
 STUPINO RADIO RELAY STATION
 PESKI RADIO RELAY STATION
 SEVSK RADIO RELAY + TV BROADCASTING STATION
 SEVSK RADIO RELAY + TV BROADCASTING STATION
 MOSKVA NAVAL MISSILE DESIGN BUR KARTUKOV OKB
 MOSKVA NAVAL MISSILE DESIGN BUREAU KHMKI

553418N 0380923E UR S088531
 553424N 0380819E UR S085855
 553424N 0380819E UR
 553130N 0383930E UR S087902
 545325N 0380300E UR S088632
 551339N 0384626E UR S088093
 521310N 0343250E UR S086626
 521310N 0343250E UR
 555020N 0372900E UR S086914
 555020N 0372900E UR S086951

25X1

RAMENSKOYE FLIGHT TEST CTR AREA 5 FORGER A/C
 RAMENSKOYE FLIGHT TEST CENTER AREA 5 TEST U/I
 RAMENSKOYE FLIGHT TEST CENTER AREA 5

553238N 0380710E UR S085581
 553238N 0380710E UR S088711
 553238N 0380710E UR S088715

TOP SECRET CHESS RUFF

25X1
 25X1

TOP SECRET CHESS RUFF

25X1
25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

RAMENSKOYE FLIGHT TEST CENTER AREA 5		553238N 0380710E	UR	S088714
RAMENSKOYE FLIGHT TEST CTR AREA 5 MYASISHCHEV		553238N 0380710E	UR	S088518

25X1
25X1

25X1

KUZNETSOVO AIRCRAFT/MISSILE ENGINE TEST FAC		553226N 0382941E	UR	S087114
KUZNETSOVO AIRCRAFT/MISSILE ENGINE TEST FAC		553226N 0382941E	UR	
KRASNAYA PAKHRA MESON FACILITY U/C		552751N 0371612E	UR	S087364
SHATSKAYA COAL GASIFICATION STATION U/G		540953N 0375135E	UR	S085672
RAMENSKOYE CAPSULE TUBE R+D CENTER TRANSP SYS		553555N 0381635E	UR	S087756
MOSKVA AIRCRAFT COMPONENTS PLANT 25		554722N 0374250E	UR	S087353
MOSKVA AIRCRAFT COMPONENTS PLANT 25		554722N 0374250E	UR	S087325
BYKHOV AIRFIELD GCA SITE		533104N 0301204E	UR	S086870
MOSKVA/VNUKOVO DF FACILITY HF/DF ANTS IDENT		552950N 0371530E	UR	S087120
MOSKVA/VNUKOVO DF FACILITY HF/DF ANTS IDENT		552950N 0371530E	UR	
MOSKVA SCIENTIFIC RSCH INST MACH BLDG SSM ACT		555130N 0373630E	UR	S086488
MOSKVA SCIENTIFIC RSCH INST MACH BLDG SSM ACT		555130N 0373630E	UR	
MOSKVA SCIENTIFIC RESEARCH INST MACHINE BLDG		555130N 0373630E	UR	S086926
MOSKVA SCIENTIFIC RESEARCH INST MACHINE BLDG		555130N 0373630E	UR	S086949
FAUSTOVO AEROSPACE R+D TEST RANGE + TRACK		5527 N 03831 E	UR	S085543
FAUSTOVO AEROSPACE R+D RKT SLED TRACK AREA B		552907N 0382945E	UR	S085549
FAUSTOVO AEROSPACE R+D FACIL WIND GENERATOR		552907N 0382945E	UR	S085553
FAUSTOVO AEROSPACE R+D FACIL ARMAMENTS TEST		552907N 0382945E	UR	S085554
FAUSTOVO AEROSPACE R+D FACIL ARMAMENTS TEST		552907N 0382945E	UR	

830

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

MOSKVA MISSILE DESIGN BUREAU OKB 16	554415N 0373700E	UR	S086790
MOSKVA MISSILE DESIGN BUREAU	554415N 0373700E	UR	S086782
KOLOMNA MISSILE DESIGN BUREAU 1 SUSP IDENT	550410N 0384810E	UR	S087570
KOLOMNA MISSILE DESIGN BUREAU 1 SUSP	550410N 0384810E	UR	S087821
KOLOMNA MISSILE DESIGN BUREAU 1 SUSP	550410N 0384810E	UR	S087797
KOLOMNA MISSILE DESIGN BUREAU 2 SUSP IDENT	550440N 0384920E	UR	S087570
KOLOMNA MISSILE DESIGN BUREAU 2 SUSP	550440N 0384920E	UR	S087797
KOLOMNA MISSILE DESIGN BUREAU 2 SUSP	550440N 0384920E	UR	S087821
TULA MISSILE DESIGN BUREAU SUSP IDENT	541205N 0373510E	UR	S087570
TULA MISSILE DESIGN BUREAU SUSP	541205N 0373610E	UR	S087820
TULA MISSILE DESIGN BUREAU SUSP	541205N 0373610E	UR	S087796
TULA MISSILE DESIGN BUREAU HIGH-BAY BLDGS U/I	5412 N 03737 E	UR	S088577
TULA MISSILE DESIGN BUREAU HIGH-BAY BLDGS U/I	5412 N 03737 E	UR	S088517
MOSKVA COMSAT STATION E15	550900N 0382200E	UR	S086082
MOSKVA MOTOR VEHICLE PLANT LIKHACHEV	554146N 0373833E	UR	S086372
MOSKVA MISSILE PROD PLT FILI 23 CONST SUMMARY	554530N 0372928E	UR	S086305
MOSKVA MISSILE PRODUCTION PLT FILI 23 SSM ACT	554530N 0372928E	UR	S086488
MOSKVA MISSILE PRODUCTION PLANT FILI 23	554530N 0372928E	UR	S086272
MOSKVA MISSILE PRODUCTION PLANT FILI 23	554530N 0372928E	UR	S087561
MOSKVA MISSILE PROD PLT FILI 23 CHELOMEY OKB	554530N 0372928E	UR	S087497
MOSKVA MISSILE PROD PLT FILI 23 CHELOMEY OKB	554530N 0372928E	UR	S087338
MOSKVA AIRFRAME PLANT 30	554703N 0373249E	UR	S087642

25X125X1

831

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1
ZSAI

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

MOSKVA AIRFRAME PLANT 30 EXPANSION	554703N 0373249E	UR	S088840
MOSKVA GUIDED MISSILE PLANT 41 CONST SUMMARY	554939N 0373023E	UR	S086305
MOSKVA GUIDED MISSILE PRODUCTION PLANT 41	554939N 0373023E	UR	S086134
MOSKVA GUIDED MISSILE R+D PLANT KHIMKI 301	555350N 0372556E	UR	S085397
MOSKVA GUIDED MISSILE R+D PLANT KHIMKI 301	555350N 0372556E	UR	S086313
MOSKVA GUIDED MISSILE R+D PLANT KHIMKI 301	555350N 0372556E	UR	S087561
MOSKVA GUIDED MISSILE R+D PLT 301 TEST STAND	555350N 0372556E	UR	S086925
MOSKVA GUIDED MISSILE R+D PLT 301 TEST AREA	555350N 0372556E	UR	S086924
MOSKVA GUIDED MISSILE R+D PLANT KHIMKI 301	555350N 0372556E	UR	S086923
MOSKVA GUIDED MISSILE R+D PLANT KHIMKI 301	555350N 0372556E	UR	S086948
MOSKVA PHYSICS INSTITUTE LEBEDEV	554149N 0373357E	UR	S085936
MOSKVA GUIDED MSL + A/C PLT 464 CONST SUMMARY	555544N 0373027E	UR	S086305
MOSKVA GUIDED MSL + A/C PLT 464 CONST SUMMARY	555544N 0373027E	UR	
MOSKVA GUIDED MISSILE + A/C PLT DOLGOPRUDNNY	555544N 0373027E	UR	S086134
MOSKVA GUIDED MISSILE + A/C PLT DOLGOPRUDNNY	555544N 0373027E	UR	
MOSKVA AIRCRAFT ENGINE EXPERIMENTAL PLANT 165	554935N 0373935E	UR	S088536
MOSKVA AIRCRAFT ENGINE EXPERIMENTAL PLANT 165	554935N 0373935E	UR	S088593
MOSKVA AIRCRAFT EXPERIMENTAL PLANT 155	554846N 0373034E	UR	S087591
MOSKVA AIRCRAFT EXPERIMENTAL PLANT 155	554846N 0373034E	UR	S087575
MOSKVA AIRCRAFT EXPERIMENTAL PLANT 115	554817N 0373126E	UR	S087602
MOSKVA AIRCRAFT EXPERIMENTAL PLANT 115	554817N 0373126E	UR	S087577
MOSKVA AIRCRAFT EXPERIMENTAL PLANT 115	554817N 0373126E	UR	S088132
RAMENSKOYE AEROHYDRODYNAMIC INST A/C MODELS	553549N 0380607E	UR	S088276

25X1^{25X1}

832

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

25X1:1

BRYANSK AMMUNITION LOADING/GM PLT SELTSO 121	532402N 0340534E	UR	S087110
BRYANSK AMMUNITION LOADING/GM PLT SELTSO 121	532402N 0340534E	UR	
MOSKVA MISSILE/SPACE PRPLN DEV CTR KHIMKI 456	555420N 0372651E	UR	S087561
MOSKVA MISSILE/SPACE PRPLN DEV CTR KHIMKI 456	555420N 0372651E	UR	
MOSKVA MISSILE/SPACE PRPLN DEV CTR TEST STAND	555420N 0372651E	UR	S086920
MOSKVA MISSILE/SPACE PRPLN DEV CTR TEST STAND	555420N 0372651E	UR	
MOSKVA MISSILE/SPA PRPLN DEV EXHAUST SCRUBBER	555420N 0372651E	UR	S086913
MOSKVA MISSILE/SPA PRPLN DEV EXHAUST SCRUBBER	555420N 0372651E	UR	
MOSKVA MISSILE/SPACE PRPLN DEV CTR TEST AREA	555420N 0372651E	UR	S086912
MOSKVA MISSILE/SPACE PRPLN DEV CTR TEST AREA	555420N 0372651E	UR	
MOSKVA MISSILE/SPACE PRPLN DEV CTR KHIMKI 456	555420N 0372651E	UR	S086954
MOSKVA MISSILE/SPACE PRPLN DEV CTR KHIMKI 456	555420N 0372651E	UR	
MOSKVA PETROLEUM REFINERY LYUBERTSY	553900N 0374824E	UR	S085930
YEFREMOV SYNTHETIC RUBBER PLANT LEBEDEV SK3	530939N 0380643E	UR	S086871
OREKHOVO ZUYEVO PLASTICS PLANT KARBOLIT	554800N 0385900E	UR	S085881
MOSKVA GUIDED MISSILE PLT 82 RAM H AIRFRAMES	555023N 0372702E	UR	S085764
MOSKVA GUIDED MISSILE PLT 82 RAM H AIRFRAMES	555023N 0372702E	UR	
MOSKVA GUIDED MSL PLANT 82 TANK-LIKE OBJ U/I	555023N 0372702E	UR	S086280
MOSKVA GUIDED MSL PLANT 82 TANK-LIKE OBJ U/I	555023N 0372702E	UR	
MOSKVA AIRCRAFT EXPERIMENTAL PLANT TSAGI 156	554542N 0374034E	UR	S088135
MOSKVA AIRCRAFT EXPMT PLANT 156 TUPOLEV OKB	554542N 0374034E	UR	S087812
MOSKVA AIRCRAFT EXPERIMENTAL PLANT TSAGI 156	554542N 0374034E	UR	S087832
MOSKVA MISSILE + SPACE DEV CTR KALININGRAD 88	555517N 0374805E	UR	S085397
MOSKVA MISSILE + SPACE DEV CTR KALININGRAD 88	555517N 0374805E	UR	

833

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

WAC/BE	SUBJECT	IDHS CODE	COORD	COUN	ACCN NO.
	MOSKVA MISSILE + SPACE DEV CTR KALININGRAD 88		555517N 0374805E	UR	S087561
	MOSKVA MISSILE + SPACE DEV CTR KALININGRAD 88		555517N 0374805E	UR	
	MOSKVA MISSILE + SPACE DEV CTR MISSILE PLT 88		555517N 0374805E	UR	S087592
	MOSKVA MISSILE + SPACE DEV CTR MISSILE PLT 88		555517N 0374805E	UR	
	MOSKVA MISSILE + SPACE DEV CTR MISSILE PLT 88		555517N 0374805E	UR	S087581
	MOSKVA MISSILE + SPACE DEV CTR MISSILE PLT 88		555517N 0374805E	UR	
	MOSKVA MISSILE/SPACE DEV CTR ISAYEV DSGN BUR		555517N 0374805E	UR	S087579
	MOSKVA MISSILE/SPACE DEV CTR ISAYEV DSGN BUR		555517N 0374805E	UR	
	MOSKVA MISSILE/SPACE DEV CTR ISAYEV DSGN BUR		555517N 0374805E	UR	S087587
	MOSKVA MISSILE/SPACE DEV CTR ISAYEV DSGN BUR		555517N 0374805E	UR	
	MOSKVA MISSILE + SPACE DEV CTR KALININGRAD 88		555517N 0374805E	UR	S087348
	MOSKVA MISSILE + SPACE DEV CTR KALININGRAD 88		555517N 0374805E	UR	
	MOSKVA MISSILE + SPACE DEV CTR KALININGRAD 88		555517N 0374805E	UR	S087310
	MOSKVA MISSILE + SPACE DEV CTR KALININGRAD 88		555517N 0374805E	UR	
	MOSKVA MISSILE/SPACE DEV CTR STATIC TEST FAC		555517N 0374805E	UR	S087814
	MOSKVA MISSILE/SPACE DEV CTR STATIC TEST FAC		555517N 0374805E	UR	
	MOSKVA MISSILE/SPACE DEV CTR STATIC TEST FAC		555517N 0374805E	UR	S087831
	MOSKVA MISSILE/SPACE DEV CTR STATIC TEST FAC		555517N 0374805E	UR	
	MOSKVA MISSILE + SPACE DEV CTR KALININGRAD 88		555517N 0374805E	UR	S088707
	MOSKVA MISSILE + SPACE DEV CTR KALININGRAD 88		555517N 0374805E	UR	
	MOSKVA MISSILE + SPACE DEV CTR KALININGRAD 88		555517N 0374805E	UR	S088501
	MOSKVA MISSILE + SPACE DEV CTR KALININGRAD 88		555517N 0374805E	UR	
	MOSKVA MISSILE + SPACE DEV CTR RSCH INST 88		555517N 0374805E	UR	S088576
	MOSKVA MISSILE + SPACE DEV CTR RSCH INST 88		555517N 0374805E	UR	
	MOSKVA MISSILE + SPACE DEV CTR KALININGRAD 88		555517N 0374805E	UR	S088574
	MOSKVA MISSILE + SPACE DEV CTR KALININGRAD 88		555517N 0374805E	UR	
	MOSKVA MISSILE + SPACE DEV CTR VACUUM CHAMBER		555517N 0374805E	UR	S088564
	MOSKVA MISSILE + SPACE DEV CTR VACUUM CHAMBER		555517N 0374805E	UR	
	MOSKVA MISSILE + SPA DEV CTR CENTRAL DSGN BUR		555517N 0374805E	UR	S087506

25X1

834

TOP SECRET CHESS RUFF

25X1

25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

MOSKVA MISSILE + SPA DEV CTR CENTRAL DSGN BUR	555517N 0374805E	UR	
MOSKVA AIRCRAFT COMPONENTS PLANT 25	554706N 0374340E	UR	S085545
MOSKVA AIRCRAFT COMPONENTS PLT 25 MSL CMPNTS	554706N 0374340E	UR	S085544
MOSKVA AIRCRAFT COMPONENTS PLT 25 MSL CMPNTS	554706N 0374340E	UR	
MOSKVA AIRCRAFT EXPERIMENTAL PLANT 51	554700N 0373230E	UR	S087801
MOSKVA AIRCRAFT EXPERIMENTAL PLANT 51	554700N 0373230E	UR	S087823
MOSKVA AIRCRAFT EXPERIMENTAL PLANT 240	554803N 0373223E	UR	S087807
MOSKVA AIRCRAFT EXPERIMENTAL PLANT 240	554803N 0373223E	UR	S087830
BRYANSK ROAD MACHINERY + GM SUPT EQUIP PLT 1	531502N 0342419E	UR	S086372
BRYANSK ROAD MACHINERY + GM SUPT EQUIP PLT 1	531502N 0342419E	UR	
MOSKVA AIRCRAFT ENGINE EXPERIMENTAL PLANT 300	554254N 0373415E	UR	S088533
MOSKVA AIRCRAFT ENGINE EXPERIMENTAL PLANT 300	554254N 0373415E	UR	S088590
BRYANSK ORDNANCE DEPOT BRYANSK 2	531325N 0342342E	UR	S088462
MOSKVA GUIDED MISSILE R+D/PROD PLT KHIMKI 293	555444N 0372701E	UR	S086134
MOSKVA GUIDED MISSILE R+D/PROD PLT KHIMKI 293	555444N 0372701E	UR	S087498
MOSKVA GUIDED MISSILE R+D/PROD PLT TEST STAND	555444N 0372701E	UR	S087337
MOSKVA GUIDED MISSILE R+D/PROD PLT KHIMKI 293	555444N 0372701E	UR	S087330
ORSHA MILITARY SUPPLY DEPOT D01	543115N 0302317E	UR	S087647
ORSHA MILITARY SUPPLY DEPOT D01	543115N 0302317E	UR	S088437
SERPUKHOV AIR FORCE SCHOOL AIRCRAFT SEARCH	5453 N 03723 E	UR	S086973
ORSHA ARMY BARRACKS SE AL1	542910N 0302615E	UR	S085902
OREL AIRCRAFT REPAIR BASE	525559N 0360118E	UR	S086455
OREL AIRCRAFT REPAIR BASE	525559N 0360118E	UR	S087076

225X1

835

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT IDHS CODE COORD COUN ACCN NO.

VATUTINKI RADIO COMMUNICATIONS RECEIVER CPLX	552935N 0372111E	UR	S086062
BIRYULEVO RADIO COMMUNICATIONS RCVR STA KGB	553519N 0374242E	UR	S086661
VITEBSK ARMY BKS EAST ALS ABRN DIV MBLZTN ACT	551123N 0301341E	UR	S088418

25X1

NARO FOMINSK PETROLEUM PROD STORAGE POL EQUIP	552158N 0364148E	UR	S088231
BYKHOV SNA DIVISION HEADQUARTERS	533137N 0301246E	UR	S086870
OREL ROAD MACHINERY/MISSILE SUPT EQUIP PLANT	525520N 0360132E	UR	S086372
OREL ROAD MACHINERY/MISSILE SUPT EQUIP PLANT	525520N 0360132E	UR	
PERKHUSHKOVO SRF COMD CNTRL CTR VESNA HORNS	554120N 0371051E	UR	S087803
RAMENSKOYE FLIGHT TEST CENTER RAM L IDENT	553418N 0380923E	UR	S086185
RAMENSKOYE FLIGHT TEST CTR BACKFIRE B MODIF	553418N 0380923E	UR	S085971
RAMENSKOYE FLIGHT TEST CENTER RAM K	553418N 0380923E	UR	S085973
RAMENSKOYE FLIGHT TEST CENTER RAM H AIRFRAMES	553418N 0380923E	UR	S085764
RAMENSKOYE FLIGHT TEST CTR BACKFIRE B/RAM K	553418N 0380923E	UR	S086079
RAMENSKOYE FLIGHT TEST CENTER	553418N 0380923E	UR	S086237
RAMENSKOYE FLIGHT TEST CTR CHARGER DISMANTLED	553418N 0380923E	UR	S087021
RAMENSKOYE FLIGHT TEST CTR BACKFIRE B MODIF	553418N 0380923E	UR	S087019
RAMENSKOYE FLIGHT TEST CENTER AIRCRAFT MOCKUP	553418N 0380923E	UR	S087638
RAMENSKOYE FLIGHT TEST CTR BISON B DISMANTLED	553418N 0380923E	UR	S087656
RAMENSKOYE FLIGHT TEST CENTER FORGER V/STOL	553418N 0380923E	UR	S087580
RAMENSKOYE FLIGHT TEST CENTER BACKFIRE MODIF	553418N 0380923E	UR	S087424

25X1

836

TOP SECRET CHESS RUFF

25X1

25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE	SUBJECT	IDHS CODE	COORD	COUN	ACCN NO.
	RAMENSKOYE FLIGHT TEST CENTER RAM K		553418N 0380923E	UR	S087409
	RAMENSKOYE FLIGHT TEST CENTER RAM J/LUK A		553418N 0380923E	UR	S087409
	RAMENSKOYE FLIGHT TEST CENTER FOXBAT MODIFIED		553418N 0380923E	UR	S087409
	RAMENSKOYE FLIGHT TEST CTR BISON B M-4 STORES		553418N 0380923E	UR	S088158
	RAMENSKOYE FLIGHT TEST CENTER FOXBAT MODIF		553418N 0380923E	UR	S088408
	RAMENSKOYE FLIGHT TEST CENTER RAM L		553418N 0380923E	UR	S087929
	RAMENSKOYE FLIGHT TEST CENTER		553418N 0380923E	UR	S088646
	RAMENSKOYE FLIGHT TEST CENTER RAM K		553418N 0380923E	UR	S088610
	RAMENSKOYE FLIGHT TEST CENTER AERODY OBJ U/I		553418N 0380923E	UR	S088558
	RAMENSKOYE FLIGHT TEST CENTER RAM K/L		553418N 0380923E	UR	S088488
	RAMENSKOYE FLIGHT TEST CENTER CANDID MODIF		553418N 0380923E	UR	S088486
	RAMENSKOYE FLIGHT TEST CENTER AERODY VEH U/I		553418N 0380923E	UR	S088475
	GOMEL AMMUNITION DEPOT SW DA1		522244N 0304453E	UR	S087956
	MOSKVA PETROLEUM PROD STGE PAVLOVSKIY POSAD		554809N 0384237E	UR	S086256
	MOSKVA GUIDED MISSILE + SPACE RSCH CTR REUTOV		554547N 0375209E	UR	S085397
	MOSKVA GUIDED MISSILE + SPACE RSCH CTR REUTOV		554547N 0375209E	UR	
	MOSKVA GUIDED MISSILE/SPACE RSCH CTR SSM ACT		554547N 0375209E	UR	S086488
	MOSKVA GUIDED MISSILE/SPACE RSCH CTR SSM ACT		554547N 0375209E	UR	
	MOSKVA GUIDED MISSILE + SPACE RSCH CTR REUTOV		554547N 0375209E	UR	S086272
	MOSKVA GUIDED MISSILE + SPACE RSCH CTR REUTOV		554547N 0375209E	UR	
	MOSKVA GUIDED MISSILE + SPACE RSCH CTR REUTOV		554547N 0375209E	UR	S087352
	MOSKVA GUIDED MISSILE + SPACE RSCH CTR REUTOV		554547N 0375209E	UR	

25X1

25X1

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT	IDHS CODE	COORD	COUN	ACCN NO.
MOSKVA GUIDED MISSILE + SPACE RSCH CTR REUTOV	554547N	0375209E	UR	S087312
MOSKVA GUIDED MISSILE + SPACE RSCH CTR REUTOV	554547N	0375209E	UR	
FAUSTOVO AEROSPACE R+D FACILITY	552746N	0383143E	UR	S085543
FAUSTOVO AEROSPACE R+D FAC PRPLNT TEST AREA 6	552746N	0383143E	UR	S085548
FAUSTOVO AEROSPACE R+D FACIL HRZTL TEST CELL	552746N	0383143F	UR	S085550
FAUSTOVO AEROSPACE R+D FAC PRPLNT PROD PLANT	552746N	0383143E	UR	S085551
FAUSTOVO AEROSPACE R+D FAC PRPLNT PROD PLANT	552746N	0383143E	UR	
FAUSTOVO AEROSPACE R+D FACIL EXPLO HDWE STGE	552746N	0383143E	UR	S085552
FAUSTOVO AEROSPACE R+D FACIL EXPLO HDWE STGE	552746N	0383143E	UR	
FAUSTOVO AEROSPACE R+D FACILITY TEST BUILDING	552746N	0383143E	UR	S085556
FAUSTOVO AEROSPACE R+D FACIL PRPLNT TEST FAC	552746N	0383143E	UR	S085558
FAUSTOVO AEROSPACE R+D FACILITY SSM ACTIVITY	552746N	0383143E	UR	S086488
FAUSTOVO AEROSPACE R+D FACILITY	552746N	0383143E	UR	S086272
FAUSTOVO AEROSPACE R+D FACILITY	552746N	0383143E	UR	S087561
MOSKVA ENGINEERING + PHYSICS INSTITUTE	553905N	0374000E	UR	S085948
BYKHOV ASM SUPPORT FACILITY	533138N	0301157F	UR	S086870
MOSKVA SCIENTIFIC RESEARCH INSTITUTE 42	554527N	0374354E	UR	S086650
MOSKVA SCIENTIFIC RESEARCH INSTITUTE 42	554227N	0374354E	UR	S086839
GOLITSYNO RADCOM RECEIVER COMPLEX MILITARY	553525N	0370301E	UR	S087822
NARO FOMINSK SRF RADCOM RCVR CPLX VESNA HORNS	551918N	0364749E	UR	S087803
NOVOPETROVSKOYE SRF RADCOM XMTR VESNA HORNS	555620N	0362726E	UR	
GOMEL TV CENTER	522602N	0310043E	UR	S087373
OREL RADIO RELAY/TV RELAY/FM BROADCAST STA	525518N	0360908E	UR	S087059
OREL RADIO RELAY/TV RELAY/FM BROADCAST STA	525518N	0360908E	UR	

25X1
25X1

838

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

MOSKVA/SHCHELKOVO ESV TRACKING FACILITY		555655N 0375758E	UR	S088052
SMOLENSK GUIDED MISSILE + A/C PLT 475 CRT U/I		544910N 0320245E	UR	S085546
SMOLENSK GUIDED MISSILE + A/C PLT 475 CRT U/I		544910N 0320245E	UR	
MOSKVA SOLID MOTOR PRODUCTION PLANT LYUBERTSY		553648N 0375240E	UR	S086329
KOZELSK ICBM TRAINING SITE 46X 6DNC/CALIB FAC		535633N 0354556E	UR	S086041
MOSKVA MISSILE ASSOCIATED INSTL SILO CONV		551143N 0363735E	UR	S084632
MOSKVA MISSILE ASSOCIATED INSTL SILO CONV		551143N 0363735E	UR	S086487
MOSKVA MISSILE ASSOCIATED INSTL BKR/ANTENNAS		551143N 0363735E	UR	S087803
RUMYANTSEVO PETROLEUM PRODUCTS STORAGE		555847N 0363400E	UR	S086256
TULA MILITARY TRAINING AREA NORTH 2 CBR TRNG		541510N 0373420E	UR	S087944
TULA MILITARY TRAINING AREA NORTH 2 CBR TRNG		541510N 0373420E	UR	
CHEKHOV PETROLEUM PRODUCTS STORAGE U/G		550853N 0373047E	UR	S086256
LYUBERTSY HELICOPTER EXPERIMENTAL PLANT KAMOV		554154N 0375242E	UR	S088592
LYUBERTSY HELICOPTER EXPERIMENTAL PLANT KAMOV		554154N 0375242E	UR	S088523
MOSKVA EXPLOSIVES/PRPLNTS R+D FACIL LYUBERTSY		553643N 0375237E	UR	S086329
MOSKVA EXPLOSIVES/PRPLNTS R+D FACIL LYUBERTSY		553643N 0375237E	UR	
MOSKVA MILITARY DSGN BUR + A/C EXPMT FAC HELI		554000N 0375600E	UR	S087625
MOSKVA MILITARY DSGN BUR + A/C EXPMT FAC HELI		554000N 0375600E	UR	
MOSKVA MILITARY DESIGN BUREAU + A/C EXPMT FAC		554000N 0375600E	UR	S087415
MOSKVA MILITARY DESIGN BUREAU + A/C EXPMT FAC		554000N 0375600E	UR	
MOSKVA MILITARY DSGN BUR + A/C EXPMT FAC HELI		554000N 0375600E	UR	S087400
MOSKVA MILITARY DSGN BUR + A/C EXPMT FAC HELI		554000N 0375600E	UR	
MOSKVA MILITARY DESIGN BUREAU + A/C EXPMT FAC		554000N 0375600E	UR	S087399
MOSKVA MILITARY DESIGN BUREAU + A/C EXPMT FAC		554000N 0375800E	UR	

25X1

25X1

TOP SECRET CHESS RUFF

25X1

25X1

TOP SECRET CHESS RUFF

25X1
25X1

WAC/LE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

MOSKVA MILITARY DESIGN BUREAU + A/C EXPMT FAC
 MOSKVA MILITARY DESIGN BUREAU + A/C EXPMT FAC
 MOSKVA MILITARY DESIGN BUREAU + A/C EXPMT FAC
 MOSKVA MILITARY DESIGN BUREAU + A/C EXPMT FAC

554000N 0375600E UR S087825
 554000N 0375600E UR S087804
 554000N 0375600E UR S087825
 554000N 0375600E UR S087804

25X1

FATEZH RADIO RELAY STATION SOUTH
 TROSNA RADIO RELAY STATION
 MOSKVA AVIATION TRAINING FACIL AIRFRAME SRCH
 SAFONOVO PLASTICS + GM COMPONENTS PLANT
 SAFONOVO PLASTICS + GM COMPONENTS PLANT
 BYKHOV ASM STORAGE FACILITY
 MOSKVA/SUPONINO SPACE TRACKING FACIL DISH ANT
 MOSKVA/SUPONINO SPACE TRACKING FACILITY
 BRYANSK GUIDED MISSILE SUPPORT EQUIP PLANT 2
 GOMEL AVTOKOLONNA 2443
 PAVLOVSAYA SLOBODA MILITARY VEH STORAGE DPO 1
 DOVSK RADIO RELAY STATION
 PALATKI COMMAND CONTROL XMTR FAC U/I BKR ANTS
 PALATKI COMMAND CONTROL XMTR FAC BKR HARD U/I
 PALATKI COMMAND CONTROL XMTR FAC U/I VERT TWR
 PALATKI COMMAND CONTROL XMTR FAC BKR HARD U/I

520351N 0355305E UR S087059
 522525N 0354850E UR
 554000N 0372800E UR S086963
 550520N 0331500E UR S085881
 550520N 0331500E UR
 532920N 0301050E UR S086870
 555150N 0375726E UR S086083
 555150N 0375726E UR S088052
 531713N 0342352E UR S086372
 522511N 0305735E UR S088063
 554836N 0370630E UR S088259
 530920N 0302650E UR S088091
 544350N 0352245E UR S087381
 544350N 0352245E UR S086919
 544350N 0352245E UR S086916
 544350N 0352245E UR S086957

25X1

TOP SECRET CHESS RUFF

25X1
25X1

[Redacted]

TOP SECRET CHESS RUFF [Redacted]

[Redacted]

25X1

WAC/BE	SUBJECT	IDHS CODE	COORD	COUN	ACCN NO.
[Redacted]	OREKHOVO ZUYEVO ORDNANCE DEPOT D01		554909N 0385710E	UR	S088191
	KLINTSY TV RELAY STATION		524435N 0321435E	UR	S087373
	BRYANSK RADIO RELAY STATION		531220N 0342455E	UR	S087059
	[Redacted]				
	SEREDINA BUDA RADIO RELAY STATION		521110N 0340135E	UR	S087059
	MOSKVA ARMY BARRACKS AL42 + SIGNAL REGIMENT		555222N 0372840E	UR	S086840
	SMOLENSK COMMAND CONTROL FACILITY BUNKER U/I		543925N 0315745E	UR	S085856
	SMOLENSK COMMAND CONTROL FACILITY BKR U/I		543927N 0315810E	UR	S087494
	KHOLMECH RADIO RELAY STATION		523012N 0341248E	UR	S087059
	NAVLYA RADIO RELAY STATION		525000N 0343005E	UR	
	CHAUSY MILITARY VEHICLE STORAGE FACILITY		534727N 0305757E	UR	S088750
	BRONNITSY MILITARY VEH TEST FAC SS-16/20 TEL		552651N 0381427E	UR	S084647
	BRONNITSY MILITARY VEH TEST FAC SS-16/20 TEL		552651N 0381427E	UR	
	BRONNITSY MILITARY VEH TEST FAC SS-16/20 TEL		552651N 0381427E	UR	
	BRONNITSY ARMORED VEHICLE RESEARCH FACILITY		552651N 0381427E	UR	S086372
	BYKHOV AIRFIELD		533110N 0301142E	UR	S086870
	SMOLENSK AIRFIELD SOUTH		544441N 0320405E	UR	S087457
	KUBINKA AIRFIELD FLOGGER 6 MIG-23 SEARCH		553645N 0363855E	UR	S086205
	KUBINKA AIRFIELD AIRCRAFT SEARCH		553645N 0363855E	UR	S086975
	MOSKVA AIRFIELD CENTRAL BOMBER CMPNTS U/I		554717N 0373152E	UR	S088432
MOSKVA AIRFIELD CENTRAL PARADE PREPARATIONS		554717N 0373152E	UR	S088647	
MOSKVA/LYUBERTSY AIRFIELD HELI NEW KAMOV-DSGN		554106N 0375121E	UR	S087413	
MOSKVA/LYUBERTSY AIRFIELD		554106N 0375121E	UR	S087370	

25X1

25X1

TOP SECRET CHESS RUFF [Redacted]

[Redacted]

25X1
25X1

TOP SECRET CHESS RUFF

25X1
25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

MOSKVA/LYUBERTSY AIRFIELD HELI NEW KAMOV-DSGN		554106N 0375121E	UR	S088133
MOSKVA/RAMENSKOYE AIRFIELD LASER LANDING AID		553405N 0380712E	UR	S086029
MOSKVA/RAMENSKOYE AIRFIELD LASER LANDING AID		553405N 0380712E	UR	
MOSKVA/RAMENSKOYE AIRFIELD		553405N 0380712E	UR	S088646
MOSKVA/SHCHELKOVO AIRFIELD A/C ORD DISPLAY		555248N 0380347E	UR	S086039
MOSKVA/SHCHELKOVO AIRFIELD ORD/MSL DISPLAY		555248N 0380347E	UR	S085718
MOSKVA/SHCHELKOVO AIRFIELD ORD/MSL DISPLAY		555248N 0380347E	UR	
MOSKVA/SHCHELKOVO AIRFIELD ORD/MSL DISPLAY		555248N 0380347E	UR	
MOSKVA/SHCHELKOVO AIRFIELD AS-9		555248N 0380347E	UR	S085855
MOSKVA/SHCHELKOVO AIRFIELD AS-9		555248N 0380347E	UR	
MOSKVA/SHCHELKOVO AIRFIELD TASM NEW IDENT		555248N 0380347E	UR	S087065
MOSKVA/SHCHELKOVO AIRFIELD TASM NEW IDENT		555248N 0380347E	UR	
MOSKVA/SHCHELKOVO AIRFIELD AIRFRAME SEARCH		555248N 0380347E	UR	S086974
MOSKVA/SHCHELKOVO AIRFIELD VIP SUPPORT A/C		555248N 0380347E	UR	S087212
MOSKVA/VNUKOVO AIRFIELD AIR TRAFFIC CNTL RDR		553529N 0371543E	UR	S087725
MOSKVA/VNUKOVO AIRFIELD VIP SUPPORT AIRCRAFT		553529N 0371543E	UR	S087212
BOROVSK AIRFIELD		551333N 0363643E	UR	S086451
MOSKVA/SHEREMETYEVO AIRFIELD ATC RADAR FACIL		555826N 0372448E	UR	S087725
POCHEP AIRFIELD LRA AIRCRAFT SUPPORT CPBL		525555N 0332400E	UR	S086827
KOZELSK SSM COMPLEX SILO DEPLOYMENT		540734N 0352922E	UR	S086781
PRUZHANY ARMY BARRACKS ADV-1 DEPLOYMENT		523600N 0242345E	UR	S086240
PRUZHANY ARMY BARRACKS ADV-1 DEPLOYMENT		523600N 0242345E	UR	
PRUZHANY ARMY BARRACKS ADV-1 RPV IDENT		523600N 0242345E	UR	S087535
PRUZHANY ARMY BARRACKS ADV-1 RPV IDENT		523600N 0242345E	UR	
KOBRIN RADIO RELAY STATION		521705N 0242900E	UR	S087373

25X1

842

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

VYSOKOYE RADIO RELAY STATION SE
BREST RADIO RELAY STATION

521850N 0233000E UR S086159
520534N 0234150E UR

25X1

PINSK RADIO RELAY STATION

521045N 0260330E UR S087373

BORISOV AVTOKOLONNA

541540N 0283030E UR S086652

25X1

ANTOPOL RADIO RELAY STATION

521235N 0244610E UR S087373

SMORGON MOBILE IRBM BASE 1 COMMAND CNTRL FACS

543151N 0261723E UR S086814

SMORGON MOBILE IRBM BASE 1

543145N 0261720E UR S088510

POLOTSK MOBILE IRBM BASE SS-16/20 CF TRNG ACT
POLOTSK MOBILE IRBM BASE SS-16/20 CF TRNG ACT

552414N 0283351E UR S088648
552414N 0283351E UR

ZHITKOVICHI RADIO RELAY STATION PROB
IVANOVO RADIO RELAY STATION
PAROKHONSK RADIO RELAY STATION
SINKEVICHI RADIO RELAY STATION

521315N 0275052E UR S087373
520730N 0253338E UR
521330N 0262755E UR
521305N 0271518E UR

SMORGON MOBILE IRBM BASE 2 SS-20 RLTD CONST

543619N 0262247E UR S088072

BARANOVICHI TALL KING AW RADAR FACILITY
BARANOVICHI AIRFIELD GCA SITE

530800N 0260850E UR S086193
530542N 0260254E UR

25X1

843

TOP SECRET CHESS RUFF

25X1

25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT	IDHS CODE	COORD	COMN	ACCN NO.
SOVETSK ARMY BKS AL2/HQ TANK DIV BMP VARIANT		550508N 0215149E	UR	S087897
SOVETSK ARMY BARRACKS AL2/HQ BMP VARIANT NEW		550508N 0215149E	UR	S088044
OSIPOVICH I ARMY BKS SOUTH AL2 M-1977 MRL DPL		531727N 0283837E	UR	S086465
[REDACTED]				
OSTROW MAZOWIECKA ARMY BARRACKS 1 NW		524909N 0215038E	PL	S086366
[REDACTED]				
LAPICHI TACTICAL SSM BARRACKS AL2 CBR TRNG		532348N 0282806E	UR	S087943
LAPICHI TACTICAL SSM BARRACKS AL2 CBR TRNG		532348N 0282806E	UR	
BIALYSTOK MILITARY BARRACKS 3		530727N 0230805E	PL	S086400
BIALYSTOK MILITARY BARRACKS ZAREN 4		530609N 0230802E	PL	
KAUNAS RADIO COMMUNICATIONS RECEIVER STA K6B		544531N 0235624E	UR	S086661
[REDACTED]				
KUTUZOVO ARMOR/SAM MANEUVER TRNG AREA CP EXER		544717N 0224216E	UR	S084646
KUTUZOVO ARMOR/SAM MANEUVER TRNG AREA CP EXER		544717N 0224216E	UR	
KUTUZOVO ARMOR/SAM MANEUVER TRNG AREA CP EXER		544717N 0224216E	UR	
NOVAYA MEZINOVKA MISSILE SUPT REAR DPO SS-20		533047N 0265525E	UR	S087056
CHERNYAKHOVSK ARMY BKS AL8 DO-EL-05 ECM SET		543824N 0214808E	UR	S088037
CHERNYAKHOVSK ARMY BKS AL8 DO-EL-05 ECM SET		543824N 0214808E	UR	
CHERNYAKHOVSK ARMY BKS WEST AL8 DO-EL-05 DPL		543824N 0214808E	UR	S088045
CHERNYAKHOVSK ARMY BKS WEST AL8 DO-EL-05 DPL		543824N 0214808E	UR	
BARANOVICHI AAM SUPPORT FACILITY		530555N 0260158E	UR	S086193
BIALYSTOK MILITARY TRAINING AREA SW		530520N 0230455E	PL	S086400
GRODNO AMMUNITION DEPOT KELBASIN SW		533810N 0234540E	UR	S088749

25X1

25X1

25X1

25X1

844

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

SVISLOCH RAILROAD YARD

530050N 0240410E UR S087091

25X1

NOVOGRUDOK ARMY BARRACKS AL1

533458N 0254745E UR S087000

BORISOV MILITARY TRNG AREA 1 + RANGE WEST CBR
BORISOV MILITARY TRNG AREA 1 + RANGE WEST CBR

541100N 0282100E UR S087943
541100N 0282100E UR

25X1

MINSK MOTOR VEHICLE + GM SUPPORT EQUIP PLANT
MINSK MOTOR VEHICLE + GM SUPPORT EQUIP PLANT

535131N 0273931E UR S086372
535131N 0273931E UR

MINSK MOTOR VEH + GM EQUIP PLANT VEH TEST FAC
MINSK MOTOR VEH + GM EQUIP PLANT VEH TEST FAC

535131N 0273931E UR S086445
535131N 0273931E UR

GRODNO RAILROAD STATION YARDS + SHOPS

534121N 0235112E UR S087098

25X1

DAUGAVPILS ORDNANCE DEPOT NORTH D01

555338N 0263224E UR S088406

MINSK AMMUNITION STORAGE FACILITY URUCHYE

535522N 0274325E UR S088751

POSTAVY SSM TRAINING FACILITY SS-16/20 EQUIP
POSTAVY SSM TRAINING FACILITY SS-16/20 EQUIP

550721N 0265305E UR S087549
550721N 0265305E UR

POSTAVY SSM TRAINING FACILITY SS-16/20 EQUIP
POSTAVY SSM TRAINING FACILITY SS-16/20 EQUIP

550721N 0265305E UR S087991
550721N 0265305E UR

POLOTSK PETROLEUM REFINERY

553114N 0283251E UR S085930

SVISLOCH PETROLEUM PRODUCTS STORAGE PUG

530010N 0240220E UR S085758

SVISLOCH PETROLEUM PRODUCTS STORAGE PUG
BERESTOVITSA PETROLEUM PRODUCTS STORAGE U/G

530010N 0240220E UR S087001
530542N 0235615E UR

BARANOVICHI AIRCRAFT REPAIR BASE

530647N 0260201E UR S086193

845

TOP SECRET CHESS RUFF

25X1

25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

KONKOVICHI MRBM REGIMENTAL HQ RECEIVER BKR	521049N 0283613E	UP	S086814
OSTROW MAZOWIECKA ARMY BARRACKS 2	524947N 0215122E	PL	S086366
PULTUSK ARMY BARRACKS 1	524233N 0210433E	PL	S086359
SUWALKI MILITARY BARRACKS 3	540511N 0225545E	PL	S088668
ZIELONKA MILITARY BARRACKS 1	521801N 0210946E	PL	S085937

25X1

WARSZAWA STORAGE FACILITY 528 U/I HWY CONST	521058N 0210407E	PL	S087951
WARSZAWA STORAGE FACILITY 528 U/I HWY CONST	521058N 0210407E	PL	
BREST RADIO RELAY/TV/FM BDCSTG CTR ROKINITSA	520812N 0235857E	UR	S087373
VOLKA ARMY BARRACKS AL1 HEAVY AA DIVISION	524756N 0253857E	UR	S087609
SMORGON IRBM REGIMENTAL HQ RADCOM XMTR STA	542300N 0264000E	UR	S086814
BREST ORDNANCE DEPOT BASE 3603 D01	520749N 0234032E	UR	S088466
BOBRUYSK ORDNANCE DEPOT NNE D01	531210N 0291630E	UR	S086841
KAUNAS AIRCRAFT REPAIR BASE	545240N 0235500E	UR	S086564
SIAULIAI AIRCRAFT REPAIR BASE	555416N 0232147E	UR	S086508
DZERZHINSK TACTICAL SSM SUPPORT FACILITY	533536N 0271355E	UR	S088907
MOZYR MRBM DIVISION COMMAND POST BUNKERED	520428N 0290641E	UR	S086814
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	

25X1

25X1

846

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE	SUBJECT	IDHS CODE	COORD	COUN	ACCN NO.
	SMORGON IRBM REGIMENTAL HQ RADIO RCVR ABND		543120N 0261720E	UR	S086814
	BARANOVICHI ASM FACILITY		530538N 0260201E	UR	S086193
	BIALYSTOK MILITARY TRAINING AREA EAST		530855N 0231540E	PL	S086400
	MINSK SA-5 TRAINING SITE A06 SA-X-10 EQUIP		535726N 0274359E	UR	S086239
	SMORGON IRBM REGIMENTAL COMMAND POST BUNKERED		543202N 0261747E	UR	S086814
	[REDACTED]				
	KOZHANOVICHI MRBM REGIMENTAL HQ RADCOM RCVR		521100N 0274800E	UR	S086814
	KONKOVICHI MRBM REGIMENTAL COMMAND POST BKR		521036N 0283441E	UR	
	REMBERTOW ARMY BARRACKS 203 SIGNAL UNIT IDENT		521447N 0210836E	PL	S087989
	SLUTSK ENGINEER REPAIR FACILITY		530200N 0273520E	UR	S087893
	BREST ENGINEER STORAGE FACILITY		520540N 0233815E	UR	S086724
	BARANOVICHI LRA HQ BUNKER NW BOMBER CORPS		530640N 0260330E	UR	S086193
	NESVIZH MILITARY VEHICLE STORAGE FACILITY		531340N 0263940E	UR	S088752
	BOBRUYSK COMMAND CONTROL FACILITY BUNKER U/I		530308N 0285951E	UR	S087494
	MINSK MILITARY GENERAL STORAGE DEPOT		535920N 0273030E	UR	S088753
	MOZYR MOBILE IRBM BASE + TRNG FAC COMD CNTRL		520210N 0291108E	UR	S086814
	MOZYR MOBILE IRBM BASE/TRNG FAC SS-20 WHD CAN		520210N 0291108E	UR	S087218
	MOZYR MOBILE IRBM BASE + TRAINING FACILITY		520210N 0291108E	UR	S088510
	KLETSK MILITARY DEPOT		530430N 0263840E	UR	S088723
	KONKOVICHI MOBILE IRBM BASE COMMAND CNTRL FAC		521040N 0283445E	UR	S086814
	KONKOVICHI MOBILE IRBM BASE		521040N 0283445E	UR	S088510
	KOZHANOVICHI MOBILE IRBM BASE 1 SS-20 FACILS		521121N 0274807E	UR	S086048

25X1

25X1

TOP SECRET CHESS RUFF

25X1

25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT	IDHS CODE	COORD	COUN	ACCN NO.
KOZHANOVICHI MOBILE IRBM BASE COMD CNTRL FAC		521127N 0274843E	UR	S086814
KOZHANOVICHI MOBILE IRBM BASE		521127N 0274843E	UR	S088510
POSTAVY MOBILE IRBM BASE SS-20		550941N 0265346E	UR	S086320
POSTAVY MOBILE IRBM BASE COMMAND CONTROL FACS		550941N 0265346E	UR	S086814
POSTAVY MOBILE IRBM BASE SS-16/20 EQUIPMENT		550941N 0265346E	UR	S087991
POSTAVY MOBILE IRBM BASE SS-16/20 EQUIPMENT		550941N 0265346E	UR	
POSTAVY MOBILE IRBM BASE		550941N 0265346E	UR	S088510
BARANOVICHI AIRFIELD AIRCRAFT BUNKERS		530542N 0260254E	UR	S085939
BARANOVICHI AIRFIELD		530542N 0260254E	UR	S086193
BOBROVICHI AIRFIELD AIRCRAFT BUNKERS		521649N 0292126E	UR	S085944
BOBROVICHI AIRFIELD AIRCRAFT SHELTERS		521649N 0292126E	UR	S087458
CHERNYAKHOVSK AIRFIELD A/C ORDNANCE DISPLAY		543609N 0214703E	UR	S086039
CHERNYAKHOVSK AIRFIELD AS-9		543609N 0214703E	UR	S085855
CHERNYAKHOVSK AIRFIELD AIRCRAFT BUNKERS		543609N 0214703E	UR	S086000
CHERNYAKHOVSK AIRFIELD AS-9		543609N 0214703E	UR	S085855
LIDA AIRFIELD AIRCRAFT BUNKERS		535240N 0252246E	UR	S085943
MINSK/MACHULISHCHE AIRFIELD BLINDER/AS-4 DPL		534626N 0273442E	UR	S087294
MINSK/MACHULISHCHE AIRFIELD BLINDER/AS-4 DPL		534626N 0273442E	UR	
POSTAVY AIRFIELD AIRCRAFT BUNKERS		550904N 0264538E	UR	S085945
PRUZHANY AIRFIELD ADV-1 DEPLOYMENT		523500N 0242247E	UR	S086240
PRUZHANY AIRFIELD HOUND MI-4 ACTIVITY		523457N 0242251E	UR	S089017
ROSS AIRFIELD AIRCRAFT BUNKERS		531810N 0242206E	UR	S085947
SIAULIAI AIRFIELD AIRCRAFT BUNKERS		555335N 0232340E	UR	S086070

25X125X1

848

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

SHCHUCHIN AIRFIELD AIRCRAFT BUNKERS	533602N 0244606E	UR	S085946
BEREZA AIRFIELD AIRCRAFT BUNKERS	523328N 0245251E	UR	S085940
BEREZA AIRFIELD ADV-1 DEPLOYMENT	523328N 0245251F	UR	S086240
DAUGAVPILS AIRFIELD NE MISSILE STGE BKS PROB	555633N 0264008E	UR	S086231
DAUGAVPILS AIRFIELD NE MISSILE STGE BKS PROB	555633N 0264008F	UR	
LOMZA MILITARY INSTALLATIONS	531015N 0220350F	PL	S089014
SLUPSK AIRFIELD AW RADAR FAC BACK TRAP RADAR	542543N 0170625F	PL	S088844
KALININGRAD SHIPYARD STATE 820C/820D CL NEW	544137N 0202616E	UR	S085894
KALININGRAD SHIPYARD STATE 820 820D CLASS U/C	544137N 0202616E	UR	S086345
KALININGRAD SHIPYARD STATE 820 820D NAVAL AUX	544137N 0202616E	UR	S087633
KALININGRAD SHIPYARD STATE 820	544137N 0202616E	UR	S087063
KALININGRAD SHIPYARD STATE 820D CL COMBATANT	544137N 0202616E	UR	S088250
KALININGRAD SHIPYARD STATE 820D CL COMBATANT	544137N 0202616E	UR	S088492
GDANSK SHIPYARD NORTH STOCZNIA POLNOCNA	542207N 0183844E	PL	S085904

25X1

25X1

KALININGRAD MILITARY BKS AL7/HQ MRD SA-8 UNIT

544058N 0203327E UR S086089

25X1

TOP SECRET CHESS RUFF

25X1

25X1

TOP SECRET CHESS RUFF

25X1
25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

25X1
25X1

BYDGOSZCZ MILITARY INSTALLATION KOSZARY 1/4
GDANSK MILITARY BARRACKS REITER 2

530832N 0180052E PL S087872
542050N 0184000E PL S087867

25X1

BORNE ARMY BARRACKS 201 SS-1 BRIGADE UPGRADED
USTKA NAVAL TRAINING CENTER AMPHB TRNG EXER

533455N 0163233F PL S088454
543440N 0165050F PL S087986

25X1

ELBLAG ARMY BARRACKS 6
BAGRATIONOVSK ORDNANCE DEPOT 214

541137N 0192352E PL S086174
542435N 0202855E UR S088404

25X1

BRANIEWO ARMY BARRACKS SOUTH 1 BMP APC DPL

542211N 0194909E PL S088028

25X1

850

TOP SECRET CHESS RUFF

25X1
25X1

[Redacted]

TOP SECRET CHESS RUFF

[Redacted]

[Redacted]

25X1

WAC/bE	SUBJECT	IDHS CODE	COORD	COUN	ACCN NO.
[Redacted]	[Redacted]				
	SZCZECIN AMMUNITION STORAGE FACILITY 547	[Redacted]	532752N 0142805E	PL	S085950
	[Redacted]		[Redacted]	[Redacted]	
	KALININGRAD AIR TRAINING SCHOOL AIRFRAME SRCH		544420N 0202810E	UR	S087079
	KALININGRAD AIR TRAINING INSTL U/I A/F SEARCH		544805N 0201840E	UR	S086972
[Redacted]	[Redacted]		[Redacted]	[Redacted]	
[Redacted]	SZCZECIN PETROLEUM PRODUCTS STORAGE	533330N 0143310E	PL	S087652	
[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]

25X1

25X1

25X1

25X1

851

TOP SECRET CHESS RUFF

[Redacted]

[Redacted]

25X1
25X1

[Redacted]

TOP SECRET CHESS RUFF

[Redacted]

[Redacted]

25X1

WAC/BE

[Redacted]

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

[Redacted]

KALININGRAD AVTOKOLONNA 1115

544356N 0203018E UR S088060

[Redacted]

[Redacted]

WALCZ MILITARY STORAGE DEPOT 506

531704N 0162845E PL S085997

KALININGRAD AVTOKOLONNA 1114

544251N 0203222E UR S088068

KALININGRAD AVTOKOLONNA 1703

544435N 0202848E UR S088064

TCZEW AMMUNITION + EXPLOSIVES STGE FAC 503

540435N 0184557E PL S088875

[Redacted]

[Redacted]

25X1

25X1

25X1

852
TOP SECRET CHESS RUFF

[Redacted]

[Redacted]

25X1
25X1

[Redacted]

TOP SECRET CHESS RUFF

[Redacted]

[Redacted]

25X1

WAC/BE	SUBJECT	IDHS CODE	COORD	COUN	ACCN NO.
	BYDGOSZCZ AIRFIELD AIRCRAFT BUNKERS		530550N 0175838E	PL	S086165
	GDYNIA AIRFIELD AIRCRAFT BUNKERS		543515N 0183022E	PL	S086163
	KOLOBRZEG AIRFIELD AIRCRAFT BUNKERS		541205N 0154110E	PL	S086211
	CHOJNA AIRFIELD AIRCRAFT BUNKERS		525622N 0142523E	PL	S086167
	POZNAN/KRZESINY AIRFIELD AIRCRAFT BUNKERS		521957N 0165812E	PL	S086202
	MALBORK AIRFIELD AIRCRAFT BUNKERS		540140N 0190813E	PL	S086170
	MIROSLAWIEC AIRFIELD AIRCRAFT BUNKERS		532341N 0160504E	PL	S086169
	STARGARD AIRFIELD AIRCRAFT BUNKERS		531654N 0145802E	PL	S086210

25X1:1

853

TOP SECRET CHESS RUFF

[Redacted]

[Redacted]

25X1
25X1

TOP SECRET CHESS RUFF

25X1

wAC/BE

SUBJECT	IDHS CODE	COORD	COUN	ACCN NO.
SLUPSK AIRFIELD AIRCRAFT BUNKERS		542839N 0170612E	PL	S086204

25X1

25X1

ZEGRZE POMORSKIE AIRFIELD AIRCRAFT BUNKERS		540236N 0161556E	PL	S086201
DEBRZNO AIRFIELD AIRCRAFT BUNKERS		533132N 0171532E	PL	S086166
KALININGRAD/LUGOVOYE HELIPORT		544028N 0203940E	UR	S087095
KALININGRAD/PROVEREN AIRFIELD A/C BKRS SEARCH		544601N 0202351E	UR	S085998
KALININGRAD/YEZAU AIRFIELD AIRCRAFT BUNKERS		543348N 0203610E	UR	S086001

25X1

CEWICE AIRFIELD AIRCRAFT BUNKERS		542501N 0174551E	PL	S086164
POWIDZ AIRFIELD AIRCRAFT BUNKERS		522248N 0175114E	PL	S086171

25X1

GOLENIOW AIRFIELD AIRCRAFT BUNKERS		533507N 0145409E	PL	S086168
------------------------------------	--	------------------	----	---------

25X1

TOP SECRET CHESS RUFF

25X1

25X1

[Redacted]

TOP SECRET CHESS RUFF

[Redacted]

[Redacted]

25X1

WAC/BE SUBJECT IDHS CODE COORD COUN ACCN NO.

[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
------------	------------	------------	------------	------------	------------	------------

25X1

AVACHINSKAYA GEOTHERMAL POWER STATION	531518N 1590837E	UR	S087560
PETROPAVLOVSK SHIPYARD 412	525743N 1584117E	UR	S087186
PETROPAVLOVSK MILITARY BKS SE AL7 + HQ ARTY	530104N 1584253E	UR	S088365
PETROPAVLOVSK NAVAL MISSILE STORAGE	525653N 1582258E	UR	S087013
PETROPAVLOVSK NAVAL MISSILE STGE SS-N-18 HDLG	525653N 1582258E	UR	S088029
POGRANICHNIYY ESV TRACKING/MOLNIYA FACILITY	530546N 1582039E	UR	S088052
PETROPAVLOVSK ARMY BARRACKS AL22 + HQ MRD	530324N 1584957E	UR	S088873
PETROPAVLOVSK NAVAL BASE RAKOVAYA GUBA NORTH	525911N 1583932E	UR	S087191

855

TOP SECRET CHESS RUFF

[Redacted]

[Redacted]

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

APACHA GEOTHERMAL POWER PLANT BOLSHE BANNAYA	525430N 1573000E	UR	S087560
PETROPAVLOVSK ARMY BARRACKS AL24	530344N 1583812E	UR	S088615
PETROPAVLOVSK ARMY BARRACKS AL25	525925N 1584558E	UR	S088675
PETROPAVLOVSK SUBMARINE BASE/RPR YD D-3 SSBN	525455N 1582952E	UR	S087129
PETROPAVLOVSK SUBMARINE BASE/RPR YD D-3 SSBN	525455N 1582952E	UR	
PETROPAVLOVSK ARMY BARRACKS AL26	530159N 1584013E	UR	S088364
PARATUNKA GEOTHERMAL POWER PLANT	525745N 1581500E	UR	S087560
PETROPAVLOVSK ARMY BARRACKS AL8	530125N 1584225E	UR	S088718
PETROPAVLOVSK/OZERO KHALAKTYRKA AIRFIELD	530116N 1584313E	UR	S087106
PETROPAVLOVSK/YELIZOVO AIRFIELD CANDID IL-76	530957N 1582713E	UR	S085534
PETROPAVLOVSK/YELIZOVO AIRFIELD COOT MODIFIED	531017N 1582711E	UR	S086505
SHEROMY AIRFIELD BADGER G + C/G TU-16 MODIF	541725N 1580851E	UR	S086220
TOKUR GOLD ORE CONCENTRATION PLANT	530800N 1325310E	UR	S085659
MAGDAGACHI AIRFIELD HOUND MI-4 DERELICT	532820N 1254741E	UR	S088910
CHITA BOMBING + STRAFING RANGE	522600N 1131000E	UR	S086315
CHITA ARMY BARRACKS EAST CENTRAL AL6	520140N 1133215E	UR	S087158
CHITA THERMAL POWER PLANT GRES	520309N 1132150E	UR	S087915
ANTIPINSKOYE SAM FIRING RANGE SA-8 TRNG EXER	525210N 1133650E	UR	S088008
CHITA ARMY BARRACKS NORTH AL2 + TRNG AREA 2	520505N 1132920E	UR	S086651
CHITA ARMY BARRACKS NORTH AL2 + TRNG AREA 2	520505N 1132920E	UR	

25X1

SRETENSK MILITARY BKS AL1/HQ MRD BTR-70 IDENT

521519N 1174349E UR S088428

25X1

856

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE	SUBJECT	IDHS CODE	COORD	COUN	ACCN NO.
--------	---------	-----------	-------	------	----------

25X1

	CHITA MILITARY BARRACKS AL4/HQ TRANSBAYKAL MD		520207N 1133022E	UR	S086254
	CHITA AIRFIELD NW		520410N 1132535E	UR	S088842
	CHITA AIRFIELD NW BIVOUAC AREA AIRBORNE RLTD		520420N 1132615E	UR	S088451
	MOGOCHA HELIPORT HIND D MI-24 WEAPONS U/I		534425N 1194430E	UR	S088481
	MANZURKA BOMBING RANGE		533300N 1054330E	UR	S086315
	IRKUTSK AIRFRAME PLANT 39 BACKFIRE COMPONENTS		522131N 1041216E	UR	S085667
	IRKUTSK AIRFRAME PLANT 39 AS-9		522131N 1041216E	UR	S085855
	IRKUTSK AIRFRAME PLANT 39 AS-9		522131N 1041216E	UR	
	IRKUTSK AIRFRAME PLANT 39 FLOGGER G SEARCH		522131N 1041216E	UR	S086356
	IRKUTSK AIRFRAME PLANT 39 CHECKOUT HANGAR NEW		522131N 1041216E	UR	S087022
	IRKUTSK AIRFRAME PLANT 39		522131N 1041216E	UR	S087213
	ANGARSK PETROLEUM REFINERY		523157N 1035629E	UR	S085930
	ANGARSK HEAT + POWER PLANT IRKUTSKAYA TETS 9		523204N 1035556E	UR	S087915

25X1

	IRKUTSK ORDNANCE DEPOT BATAREYNAYA D01		522250N 1040923E	UR	S088725
	USOLYE SIBERSKOYE HEAT + TPP IRKUTSK TETS 11		524700N 1033613E	UR	S087915

25X1

	IRKUTSK COMSAT STATION NNE		522332N 1042219E	UR	S087586
	SHELEKHOV ARMY BARRACKS AL1 MBLZTN BASE MRD		521031N 1035754E	UR	S086353
	IRKUTSK RADCOM RECEIVER STATION NNE BUNKER		522328N 1042259E	UR	S087586

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

IRKUTSK HEAT + THERMAL PWR PLT NOVO IRKUTSK	521505N 1041208E	UR	S087915
IRKUTSK COMSAT STATION NORTH	522343N 1042240E	UR	S087586
BELAYA AIRFIELD CHARGER TU-144 IDENTIFICATION	525454N 1033434E	UR	S087932
BELAYA AIRFIELD AAM U/I FIDDLER TU-128 MTD	525454N 1033434E	UR	S088489
BELAYA AIRFIELD AAM U/I FIDDLER TU-128 MTD	525454N 1033434E	UR	

25X1

IRKUTSK AIRFIELD NW	522200N 1041100E	UR	S087213
ULAN UDE TROPOSCATTER STATION TWIN DISH ANT	515240N 1074553E	UR	S086533
DARASUN RADIO RELAY STATION	514100N 1135000E	UR	S087461
DROVYANAYA SSM COMPLEX RVT AREA SS-20 EXER CF	512750N 1130031E	UR	S087130
DROVYANAYA ICBM COMPLEX RVT AREA 1 SS-20 EXER	512750N 1130031E	UR	S088025
DROVYANAYA ICBM COMPLEX RVT AREA 1 SS-20 EXER	512750N 1130031E	UR	
DROVYANAYA MOBILE IRBM BASE 4	512253N 1125014E	UR	S088510
DROVYANAYA MOBILE IRBM BASE 5 U/C SS-20 ASSOC	512411N 1125158E	UR	S087125
DARASUN GOLD ORE CONCENTRATION PLANT POSS	510300N 1145000E	UR	S085659
DARASUN GOLD ORE CONCENTRATION PLT AGINSKOYE	510400N 1144530E	UR	
NYANGI AIRFIELD GCA SITE	504029N 1060832E	UR	S088446
NYANGI AIRFIELD EW RADAR SITE	503945N 1060930E	UR	
ULAN UDE AIRFRAME PLANT 99	515123N 1074344E	UR	S087411
ULAN UDE AIRFRAME PLANT 99 FLOGGER MIG-23	515123N 1074344E	UR	S087388
ULAN UDE AIRFRAME PLANT 99 HIP C MI-8 MODIF	515123N 1074344E	UR	S087387
ULAN UDE AIRFRAME PLANT 99 FLOGGER D/F MIG-23	515123N 1074344E	UR	S088839

25X1

858

TOP SECRET CHESS RUFF

25X1

25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT	IDHS CODE	COORD	COUN	ACCN NO.
ULAN UDE AIRFRAME PLANT 99 FLOGGER D/F IDENT		515123N 1074344E	UR	S088843
NAUSHKI PETROLEUM PRODUCTS STORAGE		502247N 1060640E	UR	S086532
CHITA ARMY BARRACKS PESCHANKA AL1		515934N 1133540E	UR	S086422
NIZHNIYE TALTSY PETROLEUM PRODUCTS STGE PUG		515310N 1075843E	UR	S086519
STARAYA KUKA ORDNANCE DEPOT SW 1		514435N 1130110E	UR	S088717
DROVYANAYA SSM POSITION 2 RESOLUTION TARGET		512458N 1130440E	UR	S087130
DROVYANAYA SSM POSITION 2 RESOLUTION TARGET		512458N 1130440E	UR	
DROVYANAYA ICBM RTP SS-20 EXERCISE/EQUIP CF		513040N 1130244E	UR	S088022
DROVYANAYA ICBM RTP SS-20 EXERCISE/EQUIP CF		513040N 1130244E	UR	
DROVYANAYA ICBM RTP SS-20 EXERCISE/EQUIP CF		513040N 1130244E	UR	
DROVYANAYA ICBM RTP SS-16/20 VEHICLES ACT		513040N 1130244E	UR	S088653
ULAN UDE ESV TRACKING FACILITY T-SHAPED BLDG		515223N 1075650E	UR	S087585
ULAN UDE ESV TRACKING FACIL RADIO TLMTRY FACS		515223N 1075650E	UR	S088161
ULAN UDE ESV TRACKING FACILITY RADIO TLMTRY		515223N 1075650E	UR	S088163
ULAN UDE ESV TRACKING FACILITY		515223N 1075650E	UR	S088052
DROVYANAYA ICBM HQ RADCOM RECEIVER BKR HARD		513141N 1130356E	UR	S086814
ULAN UDE ARMY BARRACKS AL1 TWIN DISH ANT SRCH		515350N 1073150E	UR	S086533
ULAN UDE ARMY BARRACKS AL1 TWIN DISH ANT SRCH		515350N 1073150E	UR	
ULAN UDE ARMY BKS AL1/HQ MRD MBLZTN BASE MRD		515350N 1073150E	UR	S086346
ULAN UDE MILITARY BARRACKS AL3 REGT ABSENT		515111N 1075329E	UR	S086699
ULAN UDE MILITARY BKS AL3 MRR/TANK REGT ACT		515111N 1075329E	UR	S086346
ULAN UDE MILITARY BKS AL3 RESERVE TK REGT ACT		515111N 1075329E	UR	S086342
NAUSHKI ARMY BKS AL1 HEAVY LIFT UNIT/ARTY DPL		502315N 1060655E	UR	S087984

25X1

25X1

25X1

TOP SECRET CHESS RUFF

25X1

25X1

TOP SECRET CHESS RUFF

25X1
ZSAI

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

DROVYANAYA ICBM HQ RADCOM XMTR STATION BKR		513741N 1133859E	UR	S086814
BAYANGOL TROPOSCATTER TWIN DISH ANTENNA SRCH KYAKHTA TROPOSCATTER STA TWIN DISH ANT SEARCH		485830N 1060000E 502135N 1062445E	MG UR	S086533
CHOYBALSAN ARMY BARRACKS AL8		480110N 1143120E	MG	S087085
CHITA ARMY BARRACKS AL14		515915N 1133500E	UR	S087083
CHITA ARMY BARRACKS AL15/HEADQUARTERS TK DIV		515959N 1133640E	UR	S086257
CHOYBALSAN MILITARY STORAGE DPO DX1 ABANDONED		480638N 1143411E	MG	S087302
NAUSHKI TANK DEPOT D01		502251N 1060719E	UR	S087649
NAUSHKI TANK DEPOT D01		502251N 1060719E	UR	S088676
[REDACTED]				
NYANGI AIRFIELD AAM FACILITY		504111N 1060912E	UR	
NYANGI AIRFIELD AAM FACILITY		504111N 1060912E	UR	
DROVYANAYA MOBILE IRBM BASE 1 SS-20 ASSOC CF		512718N 1130402E	UR	S085865
DROVYANAYA MOBILE IRBM BASE 1 SS-20 ASSOC CF		512718N 1130402E	UR	
DROVYANAYA MOBILE IRBM BASE 1 SS-20 WHD CAN		512718N 1130402E	UR	S084631
DROVYANAYA MOBILE IRBM BASE 1 SS-16/20 EQUIP		512718N 1130402E	UR	S084639
DROVYANAYA MOBILE IRBM BASE 1 SS-16/20 EQUIP		512718N 1130402E	UR	
DROVYANAYA MOBILE IRBM BASE 1 COMD CNTRL FAC		512718N 1130402E	UR	S086814
DROVYANAYA MOBILE IRBM BASE 1		512718N 1130402E	UR	S088111
DROVYANAYA MOBILE IRBM BASE 1		512718N 1130402E	UR	S088510
DROVYANAYA MOBILE IRBM BASE 2 SS-20 ASSOC CF		512021N 1130114E	UR	S085865
DROVYANAYA MOBILE IRBM BASE 2 SS-20 ASSOC CF		512021N 1130114E	UR	
DROVYANAYA MOBILE IRBM BASE 2 COMD CNTRL FAC		512021N 1130114E	UR	S086814

25X1

25X1

860

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE	SUBJECT	IDHS CODE	COORD	COUN	ACCN NO.
	DROVYANAYA MOBILE IRBM BASE 2		512021N 1130114E	UR	S086785
	DROVYANAYA MOBILE IRBM BASE 2		512021N 1130114E	UR	S088510
	DROVYANAYA MOBILE IRBM BASE 3 COMD CNTRL FAC		512558N 1130305E	UR	S086814
	DROVYANAYA MOBILE IRBM BASE 3		512600N 1130250E	UR	S088510
	SOKHONDO AIRFIELD		515040N 1122850E	UR	S086354
	DOMNA AIRFIELD FLOGGER G MIG-23 SEARCH		515500N 1130718E	UR	S086200
	DOMNA AIRFIELD FLOGGER MIG-23		515500N 1130718E	UR	S086714
	DOMNA AIRFIELD CONSTRUCTION NEW		515500N 1130718E	UR	S086401
	DOMNA AIRFIELD AIRBORNE REGIMENT IDENT		515455N 1130715E	UR	S086879
	DOMNA AIRFIELD FLOGGER G MIG-23		515455N 1130715E	UR	S087916
	DOMNA AIRFIELD AIRBORNE REGIMENT DEPLOYED		515455N 1130715E	UR	S088451
	CHOYBALSAN AIRFIELD NE CANDID IL-76 IDENT		480802N 1143847E	MG	S086878
	NYANGI AIRFIELD		504029N 1060832E	UR	S088446
	DROVYANAYA SSM COMPLEX SS-20 REMOTE SITE		512743N 1131147E	UR	S088683
	BALEY GOLD COMPLEX		513230N 1164130E	UR	S085659
	KRASNOKAMENSK HEAT + THERMAL POWER PLANT		500436N 1180540E	UR	S085582
	MIRNAYA ARMY BKS AL1 SRBM TEL/RESUPPLY VEH		504544N 1160334E	UR	S086196
	MIRNAYA ARMY BKS AL1 SRBM TEL/RESUPPLY VEH		504544N 1160334E	UR	
	MIRNAYA ARMY BARRACKS AL1/HQ MRD BTR-70 IDENT		504544N 1160334E	UR	S088428
	BEZRECHNAYA ARMY BARRACKS AL1 SA-8 REGIMENT		504306N 1161057E	UR	S088385
	BEZRECHNAYA ARMY BKS AL1 AMMO STGE DPO EXPLO		504306N 1161057E	UR	S088421

25X1

25X1

861

TOP SECRET CHESS RUFF

25X1

25X1

TOP SECRET CHESS RUFF

25X1
25X1

WAC/BE

SUBJECT	IDHS CODE	COORD	COUN	ACCN NO.
DAURIYA ARMY BARRACKS AL1 + HQ MRD SA-6 REGT		495550N 1165107E	UR	S088385
SHIRLOVAYA GORA ARMY BARRACKS AL1		503103N 1162346E	UR	S087531
OLOVYANNAYA ICBM TRNG SITE 24X CALIB MARKERS		505116N 1155053E	UR	S086041
NERCHINSKIY ZAVOD ARMY BKS WEST AL1 BTR-70		511840N 1193500E	UR	S088428
BORZYA ARMY BARRACKS AL3/HQ MRD/SA-4 BRIGADE		502112N 1162832E	UR	S087531
OLOVYANNAYA AIRFIELD MISSILE U/I COMPARISON		510100N 1152540E	UR	S085722
OLOVYANNAYA AIRFIELD MISSILE U/I COMPARISON		510100N 1152540E	UR	
OLOVYANNAYA AIRFIELD CANDID + ABRN REGTS DPL		510100N 1152540E	UR	S086892
OLOVYANNAYA AIRFIELD HIP C MODIFIED IDENT		510100N 1152540E	UR	S088908
OLOVYANNAYA AIRFIELD AIRBORNE REGIMENT DPL		510100N 1152540E	UR	S088451
BORZYA AIRFIELD NW HAWK MOCKUP		502347N 1162037E	UR	S088426
BORZYA AIRFIELD NW HAWK MOCKUP		502347N 1162037E	UR	
BLAGOVESHCHENSK THERMAL POWER PLANT TETS 1		501651N 1272921E	UR	S087915
BELOGORSK AIR DEPOT WEST GSE		505429N 1282712E	UR	S087459
ZAVITINSK MILITARY BARRACKS AL1		500539N 1292539E	UR	S086026
BEREZOVKA ARMY BARRACKS AL2 ENGINEER BRIGADE		503220N 1275010E	UR	S087678
BEREZOVKA ARMY BARRACKS AL1 ENGINEER BRIGADE		503411N 1275124E	UR	
BELOGORSK MILITARY BARRACKS AL1/HQ MRD		505413N 1282858E	UR	S086362
BELOGORSK ARMY BARRACKS AL1/HEADQUARTERS MRD		505413N 1282858E	UR	S087133
BELOGORSK MILITARY BKS AL1 + HQ MRD SP GUN BN		505413N 1282858E	UR	S087639
TOMICHI MILITARY BKS AL1/HQ ARTY DIV FLD GUN		504622N 1281452E	UR	S087134

25X1

25X1

862

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

BELOGORSK ARMY BARRACKS AL6	505350N 1282700E	UR	S086362
BELOGORSK ARMY BARRACKS AL6 BMP DELIVERY	505350N 1282700E	UR	S086390
BELOGORSK ARMY BKS AL6 M-1976 BMP VARIANT	505350N 1282700E	UR	S088398
YEKATERINOSLAVKA ARMY BARRACKS AL2 CONVOY	502120N 1290610E	UR	S086387
YEKATERINOSLAVKA ARMY BARRACKS AL2	502120N 1290610E	UR	S086362
VVEDENOVKA ARMY BARRACKS AL1	511540N 1281500E	UR	
BELOGORSK ARMY BARRACKS TOM RIVER AL8	505520N 1282522E	UR	
UKRAINA AIRFIELD BISON M-4 DISASSEMBLED	511010N 1282635E	UR	S087746
MYS TYK ASM RANGE PROB	514346N 1414027E	UR	S087086
SANBOLI BOMBING + STRAFING RANGE	491925N 1351855E	UR	S086315
KOMSOMOLSK COMSAT STATION NW RADIO TLMTRY FAC	504140N 1364455E	UR	S088161
KOMSOMOLSK COMSAT STATION NW RADIO TLMTRY FAC	504140N 1364455E	UR	S088167
KOMSOMOLSK AIRFRAME PLT ORDZH 126 FITTER CNTS	503518N 1370525E	UR	S087410
KOMSOMOLSK AIRFRAME PLANT 126 RAM K IDENT	503518N 1370525E	UR	S087747
KOMSOMOLSK AIRFRAME PLANT ORDZHONIKIDZE 126	503518N 1370525E	UR	S088635
KHABAROVSK SHIPYARD AMURFLOT	483440N 1350206E	UR	S087190
KOMSOMOLSK SHIPYARD AMUR 199	503232N 1370248E	UR	S086331
KOMSOMOLSK SHIPYARD AMUR V-3 CL SSN LNCH PREP	503232N 1370248E	UR	S087543
KOMSOMOLSK SHIPYARD AMUR 199	503232N 1370248E	UR	S087063
KOMSOMOLSK SHIPYARD AMUR 199 I CL SSAG LAUNCH	503232N 1370248E	UR	S087680
KOMSOMOLSK SHIPYARD AMUR 199 SUB LAUNCH PREP	503232N 1370248E	UR	S088251
KOMSOMOLSK SHIPYARD AMUR 199 V-3 CL SSN LNCH	503232N 1370248E	UR	S088149
KOMSOMOLSK SHIPYARD 199 SUB REACTOR VAULTS	503232N 1370248E	UR	S088822

25X125X1

863

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1
25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

SOVETSKAYA GAVAN NAVAL BASE + SHIPYARD 263
SOVETSKAYA GAVAN NAVAL BASE + SHIPYARD 263

485738N 1401623E UR S087010
485738N 1401623E UR

25X1

25X1

SOVETSKAYA GAVAN SUBMARINE BASE
SOVETSKAYA GAVAN MISSILE PATROL BOAT BASE
KHABAROVSK MILITARY BARRACKS AL1 + HQ MRD

490125N 1401531E UR S088282
490148N 1401825E UR S082039
482815N 1350610E UR S087178

25X1

KHABAROVSK SHIPYARD USSURI CONST FACILS ANAL
KHABAROVSK SHIPYARD USSURI SOUTH 143M ARD T
KHABAROVSK SHIPYARD USSURI SOUTH 876 ARD D
KHABAROVSK SHIPYARD USSURI SOUTH 876
KHABAROVSK RADIO COMMUNICATIONS RCVR STA KGB
SOVETSKAYA GAVAN SHIP REPAIR YARD BYAUDE
SOVETSKAYA GAVAN NAVAL FACIL BUKHTA SEVERNAYA
KHABAROVSK NAVAL BASE OSTROV ZAYACHIIY
KHABAROVSK ARMY BARRACKS AL30
ANASTASYEVKA ARMY BARRACKS AL1/TRNG AREA TA1
ANASTASYEVKA ARMY BARRACKS AL1/TRNG AREA TA1
KOMMOMLSK COMBAT TANK STORAGE DEPOT D03

482405N 1350226E UR S085899
482405N 1350226E UR S086861
482405N 1350226E UR S086999
482405N 1350226E UR S087063
482809N 1351524E UR S086661
490038N 1401438E UR S087011
490200N 1401755E UR S087668
483430N 1350150E UR S087015
482134N 1350333E UR S087179
483432N 1353720E UR S087180
483432N 1353720E UR
504134N 1365211E UR S087611

864

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE	SUBJECT	IDHS CODE	COORD	COUN	ACCN NO.
	KRASNAYA RECHKA RADCOM STATION		481958N 1350653E	UR	S089011
	KRASNAYA RECHKA COMMAND CNTL RDO FAC BKR U/I		482040N 1350730E	UR	
	SOVETSKAYA GAVAN NAVAL FACILITIES APPROACHES		485930N 1401540E	UR	S082038
	OBOR AIRFIELD HELI COMBAT ASSAULT REGT IDENT		480718N 1354540E	UR	S087988
	SOVETSKAYA GAVAN/MAYGATKA AIRFIELD		485525N 1400210E	UR	S087766
	KHABAROVSK/BLAGODATNOYE AIRFIELD CF ACTIVITY		482436N 1352500E	UR	S087404
	LEONIDOVO MILITARY BARRACKS AL2/HQ MRD		491640N 1425136E	UR	S087306
	GASTELLO ARMY BARRACKS AL1		490610N 1425700E	UR	S087301
	GASTELLO ARMY BARRACKS AL1		490610N 1425700E	UR	S087181
	OZERNOVSKIY GEOTHERMAL POWER PLANT PAUZHETKA		512745N 1564740E	UR	S087560
	PLZEN ARMY BARRACKS EAST IDENTIFICATION		494430N 0132440E	CZ	S085748
	PLZEN ARMY BARRACKS EAST MAINTENANCE UNIT		494430N 0132440E	CZ	S085749
	RAKOVNIK MILITARY BARRACKS + VEHICLE PARK		500555N 0134540E	CZ	S087271
	RAKOVNIK MILITARY BARRACKS + VEHICLE PARK		500555N 0134540E	CZ	
	DYLEN TILLENBERG SIGINT FACILITY RAMONA M		495812N 0123019E	CZ	S087366
	MILOVICE RAILROAD SPUR TRAINBORNE CP SOVIET		501412N 0145300E	CZ	S088051

25X1

25X1

25X1

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1
25X1

WAC/BE

SUBJECT

IDMS CODE

COORD

COUN

ACCN NO.

MILOVICE RAILROAD SPUR TRAINBORNE CP SOVIET

501412N 0145300E CZ

25X1

PRAHA AIRFRAME PLANT VODOCHODY LETOV

501318N 0142409E CZ S087997

PLZEN ARMY BKS NA SLOVANECH SE 3 SP GUNS. NEW

494313N 0132423E CZ S086897

25X1

MILOVICE ARMY BARRACKS NW 201

501346N 0145211E CZ S087870

25X1

CESKY KRUMLOV ARMY BKS NORTH 1 R-330/R-330A
CESKY KRUMLOV ARMY BKS NORTH 1 R-330/R-330A

484939N 0141840E CZ S088673
484939N 0141840E CZ

25X1

STRIBRO ARMY BKS WEST 1 SAM STGE/SUPT POSS
STRIBRO ARMY BKS WEST 1 SAM STGE/SUPT POSS
MARIANSKE LAZNE ARMY BKS 5 SAM STGE/SUPT POSS
MARIANSKE LAZNE ARMY BKS 5 SAM STGE/SUPT POSS

494512N 0125912E CZ S087641
494512N 0125912E CZ
495810N 0124010F CZ
495810N 0124010E CZ

866

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

PARDUBICE RADAR RESEARCH + PROD PLT OPOCINEK
KRZYSTKOWICE AMMUNITION DEPOT NW

500116N 0153927E CZ S087935
514843N 0151140E PL S087436

25X1

25X1

PLZEN ARMAMENT/STEEL/HEAVY EQUIP PLANT SKODA
PLZEN ARMAMENT/STEEL/HEAVY EQUIP PLANT SKODA

494432N 0132116E CZ S086374
494432N 0132116E CZ

25X1

867

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN ACCN NO.

OSLA AIRFIELD AIRCRAFT BUNKERS	511842N 0154344E	PL	S086232
ZAGAN AIRFIELD AIRCRAFT BUNKERS	513742N 0152426E	PL	S086233
CESKE BUDEJOVICE AIRFIELD AIRCRAFT BUNKERS	485648N 0142542E	CZ	S086415
HRADEC KRALOVE AIRFIELD AIRCRAFT BUNKERS	501512N 0155048E	CZ	S086407
HRADEC KRALOVE AIRFIELD	501512N 0155048E	CZ	S088356
MILOVICE AIRFIELD	501411N 0145522E	CZ	S085743
MILOVICE AIRFIELD AIRCRAFT BUNKERS	501411N 0145522E	CZ	S086412
HAVLICKUV BROD AIRFIELD	493559N 0153300E	CZ	S088359
PARDUBICE AIRFIELD AIRCRAFT BUNKERS	500047N 0154424E	CZ	S086419
PLZEN HELIPORT	494340N 0132000E	CZ	S088350
MIMON AIRFIELD AIRCRAFT BUNKERS	503712N 0144359E	CZ	S086440
ZATEC AIRFIELD AIRCRAFT BUNKERS	502220N 0133520E	CZ	S086405
DOBRANY AIRFIELD AIRCRAFT BUNKERS	494030N 0131620E	CZ	S086416
KLECANY/VODOCHODY AIRFIELD	501306N 0142345E	CZ	S087997
BECHYNE AIRFIELD AIRCRAFT BUNKERS	491630N 0143010E	CZ	S086417

25X1

25X1

868

TOP SECRET CHESS RUFF

25X1
25X1

[Redacted]

TOP SECRET CHESS RUFF

[Redacted]

[Redacted]

25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

BECHYNE AIRFIELD

[Redacted]

491630N 0143010E

CZ

S088348

25X1

CASLAV/CHOTUSICE AIRFIELD AIRCRAFT BUNKERS

495626N 0152302E

CZ

S086411

25X1

[Large Redacted Area]

ZGORZELEC AMMUNITION STORAGE FACILITY 505

[Redacted]

510724N 0150026E

PL

S087097

DOUPOV MILITARY TRAINING AREA 401 DRUZHBA-79

501714N 0131050E

CZ

S086341

25X1

[Redacted]

MIMON MILITARY TRNG AREA 421 BRDM-2 SPANDREL

503850N 0144720E

CZ

S087657

ZATEC ADWOC RADIO RCVR/CONTROL STA VETRUSICE

501748N 0132745E

CZ

S084119

TOP SECRET CHESS RUFF

[Redacted]

[Redacted]

25X1

25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

25X1

ZATEC ADZ HEADQUARTERS CP BUNKERED VETRUSICE

501756N 0132804E CZ S084119

25X1

MILOVICE SA-6 TRNG SITE A02 FLAT FACE MODIF

501530N 0145335E CZ S086588

25X1

SKOLE RADIO RELAY STATION

490300N 0232410E UR S086063

LVOV ELECTRONICS DEPOT NE

495140N 0240440E UR S087245

KROMERIZ SAM TRAINING SITE SAM STGE/SUPT POSS
KROMERIZ SAM TRAINING SITE SAM STGE/SUPT POSS

491524N 0172413E CZ S087641
491524N 0172413E CZ

FRENSTAT POD RADHOSTEM ARMY BARRACKS

493230N 0181430E CZ S086025

LESZNO SA-6 SUPPORT FACILITY PROB U/C

515305N 0163705E PL S088083

25X1

LVOV/SKNILOV AIRCRAFT REPAIR BASE

494930N 0235640E UR S086418

DUBNICA NAD VAHOM METALLURGICAL PLT TRT POSS
DUBNICA NAD VAHOM METALLURGICAL PLT TRT POSS

485800N 0181114E CZ S087018
485800N 0181114E CZ

25X1

25X1

870

TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

WAC/BE	SUBJECT	IDHS CODE	COORD	COUN	ACCN NO.
	CHOP RAILROAD TRANSLOADING YARD MUKACHEVO RAILROAD TRANSLOADING YARD	482556N 482529N	0221313E 0224150E	UR UR	5088294
	MARTIN ARMORED VEHICLE + LOCO PLT T-55 TKS CF MARTIN ARMORED VEHICLE + LOCO PLT T-55 TKS CF MARTIN ARMORED VEHICLE + LOCO PLT T-55 TKS CF	490350N 490350N 490350N	0185428E 0185428E 0185428E	CZ CZ CZ	5088834
	LVOV ARMY BARRACKS AL7 NOVAKY AMMUNITION + GENERAL DEPOT JAROSLAW MILITARY INSTALLATIONS TARNOW ARMY BARRACKS 2 TARNOW ARMY BARRACKS 1	495036N 484533N 500100N 500040N 500058N	0240036E 0183157E 0224031E 0205820E 0205915E	UR CZ PL PL PL	5085903 5087244 5088912 5085942
	SOKAL MRBM SITE 1 SS-4 MSL READY BLDGS PROB GORA KALWARIA MILITARY BARRACKS 1/TRNG AREA GORA KALWARIA MILITARY BARRACKS 1/TRNG AREA MUKACHEVO POL STORAGE U/G BARKOSOVO WADOWICE ARMY BARRACKS 2 GLIWICE AMMUNITION STORAGE FACILITY 514 KOZLE AMMUNITION STORAGE FACILITY 505 BATEVO RAILROAD TRANSLOADING YARD MUKACHEVO MRBM RTP	502249N 515900N 515900N 482205N 495329N 501800N 502004N 482145N 482420N	0241817E 0211300E 0211300E 0223212E 0192930E 0183757E 0180936E 0222318E 0223948E	UR PL PL UR PL PL PL UR UR	5085926 5086359 5086294 5086265 5087303 5088719 5088294

871

TOP SECRET CHESS RUFF

25X1

25X1

25X1

25X1

25X1

25X1

25X1

TOP SECRET CHESS RUFF

25X1
25X1

WAC/BE

SUBJECT	IDHS CODE	COORD	COUN	ACCN NO.
UZHGOROD RADIO RELAY/TV RELAY STATION		483821N 0222839E	UR	5086063
UZHGOROD RADIO RELAY/TV RELAY STATION		483821N 0222839E	UR	
DYMOVKA RADIO COMMUNICATIONS RECEIVER STA KGB		493536N 0235821E	UR	5086661
BARKOSOVO RAILROAD TRANSLOADING YARD		482210N 0222935E	UR	5088294
STRABICHEVO RAILROAD TRANSLOADING YARD		482312N 0223340E	UR	
KOVEL RADIO RELAY + TV RELAY STATION		511200N 0244010E	UR	5087373
GLOGOW AMMUNITION DEPOT NE 508		514230N 0160830E	PL	5087873
OREMOV LAZ ARMY BARRACKS 201 SA-8 REGT IDENT		482310N 0191620E	CZ	5086886
RUDNO ARMY BARRACKS AL1		494950N 0235320E	UR	5087389
[REDACTED]				
UZHGOROD AVTOKOLONNA 2195		483700N 0221630E	UR	5087087
[REDACTED]				
VINOGRADOV ENGINEER + STORAGE DPO NZHM-56 BRG		480755N 0230230E	UR	5088641
MUKACHEVO ARMY BARRACKS AL7		481847N 0223047E	UR	5087300
YESEN RAILROAD YARD		482345N 0221900E	UR	5088294
IVANO FRANKOVSK ARMY BARRACKS AL5		485415N 0244005E	UR	5085995
IVANO FRANKOVSK ARMY BARRACKS AL5		485415N 0244005E	UR	5086853
PILAWA MILITARY STORAGE FACILITY		515644N 0213203E	PL	5087234
BRZEG AIRFIELD AIRCRAFT BUNKERS		505015N 0172442E	PL	5086212
LEGNICA AIRFIELD		511104N 0161045E	PL	5085742
PREROV AIRFIELD AIRCRAFT BUNKERS		492537N 0172418E	CZ	5086406
TRENCIN AIRFIELD		485214N 0180025E	CZ	5088349

25X1

25X1

25X1

872

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1
25X1

WAC/BE	SUBJECT	IDHS CODE	COORD	COUN	ACCN NO.
	GORODOK AIRFIELD NE LRA AIRCRAFT SUPPORT CPBL		494935N 0234130E	UR	5086687
	NAMEST NAD OSLAVOU AIRFIELD AIRCRAFT BUNKERS		490958N 0160720E	CZ	5086413
	ZVENIGORODKA RADIO RELAY STATION		490500N 0305315E	UR	5088481
	KIYEV TV STATION		502755N 0302705E	UR	5087059
	MIKULICHI RADIO RELAY STATION		503345N 0300525E	UR	
	MALYY KAGARLYK RADIO RELAY STATION		495225N 0305130E	UR	
	PRILUKI TV BROADCAST STATION		503730N 0322350E	UR	
	OBUKHOV RADIO RELAY STATION		500700N 0303600E	UR	
	PERVOMAYSK MILITARY INSTALLATION		480220N 0305110E	UR	5086856
	OLSHANITSA ORDNANCE DEPOT 001		493730N 0304000E	UR	5087434
	GLOBINO RADIO RELAY STATION		492902N 0331033E	UR	5087059
	GLOBINO RADIO RELAY STATION		492902N 0331033E	UR	5088401
	LIPOVOVE RADIO RELAY STATION		492722N 0323754E	UR	5087059
	LIPOVOVE RADIO RELAY STATION		492722N 0323754E	UR	5088401
	KIYEV AERODYNAMIC TEST FACILITY		504450N 0303120E	UR	5087148
	KAMENETS PODOLSKIY SPACE TRKG FAC RDO TLMTRY		485110N 0264300E	UR	5088161
	KAMENETS PODOLSKIY SPACE TRKG FAC RDO TLMTRY		485110N 0264300E	UR	5088164
	KAMENETS PODOLSKIY SPACE TRACKING FACILITY		485110N 0264300E	UR	5088052
	BORISPOL RADIO RELAY STATION		501835N 0310420E	UR	5087059
	KRUTOYARONKA RADIO RELAY STATION		502645N 0320210E	UR	5088223
	SHISHAKI RADIO RELAY STATION		495220N 0335950E	UR	5087059
	DARNITSA RADIO RELAY STATION		502725N 0304350E	UR	
	KIYEV RADIO RELAY STATION		502657N 0303045E	UR	
	OBUKHOV RADIO RELAY STATION 2		500640N 0303640E	UR	
	BEREZAN RADIO RELAY STATION		501805N 0312005E	UR	
	BORISPOL RADIO RELAY STATION 2		502100N 0305710E	UR	
	BARYSHEVKA RADIO RELAY STATION		502205N 0312005E	UR	

25X125X1

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT

DIDS CODE

COORD

COUN

ACCN NO.

KANEV PASSIVE RADIO RELAY STATION GOAL POST	494248N 0312936E	UR	
KIYEV AIRFRAME PLANT 473	502752N 0302329E	UR	S086332
KIYEV AIRFRAME PLANT 473 ANTONOV OKB	502752N 0302329E	UR	S088171
KIYEV AIRFRAME PLANT 473 ANTONOV OKB	502752N 0302329E	UR	S088170
KAMENETS PODOLSKIY ARTILLERY DEPOT D01	484142N 0263514E	UR	S088429
KOROSTEN ARMY BKS LUGINY AL3 COMBAT DIV NEW	510531N 0282251E	UR	S085986
KOROSTEN ARMY BARRACKS LUGINY AL3	510531N 0282251E	UR	S087030
KOROSTEN ARMY BKS AL1/SAM SUPT COMBAT DIV NEW	505624N 0283850E	UR	S085986
KOROSTEN ARMY BARRACKS AL1 + SAM SUPPORT UNIT	505624N 0283850E	UR	S087030
ROVNO MILITARY SUPPLY DEPOT NORTH D01	503749N 0261437E	UR	S086645
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 BKS AL1/HQ TK DIV COMBAT DIV NEW	511947N 0284744E	UR	S085986
OVRUCH ARMY BARRACKS AL1 + HQ TANK DIVISION	511947N 0284744E	UR	S087030
OVRUCH ARMY BKS AL1/HQ TK DIV COMBAT REGT NEW	511947N 0284744E	UR	S088480
OVRUCH ARMY BKS AL1 + HQ TANK DIV BTR-70 APC	511947N 0284744E	UR	S088671
CHEKASSY ARMY BARRACKS AL1	492624N 0320247E	UR	S086365
CHEKASSY ARMY BARRACKS AL1	492624N 0320247E	UR	S088782
KREMENCHUG PETROLEUM REFINERY	491013N 0332741E	UR	S085930
KIYEV ORDNANCE DEPOT WEST D03	502745N 0302354E	UR	S088021
BROVARY ARMY BARRACKS AL1 RIVER CROSSING VEHS	502950N 0304430E	UR	S087772
BROVARY ARMY BARRACKS AL1 RIVER CROSSING VEHS	502950N 0304430E	UR	S088055

25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT	IDHS CODE	COORD	COUN	ACCN NO.
BROVARY ARMY BKS AL1 BROVARY RVR CROSSING VEH		502950N 0304430E	UR	S088670
ROVNO ORDNANCE DEPOT KLEVAN D01		504609N 0260552E	UR	S086421
[REDACTED]				
KHMELNITSKIY ARMY TRAINING AREA SE		492330N 0270200E	UR	S086844
VYPOLZOV ARMY BARRACKS AL1		505537N 0304541E	UR	S088783
VINNITSA RADIO RELAY + TV RELAY STATION		491410N 0282540E	UR	S088401
VINNITSA RADIO RELAY + TV RELAY STATION		491410N 0282540E	UR	
KOROSTEN ARMY BARRACKS NNE AL4 T-64/T-72 TANK		510700N 0284100E	UR	S088672
KOROSTEN ARMY BARRACKS NNE AL4 TANK DIV EXPMT		510700N 0284100E	UR	S088682
MIROPOL ARMY BARRACKS AL1 TA-EL-01 SET OPRTNL		500610N 0274140E	UR	S088050
MIROPOL ARMY BARRACKS AL1 TA-EL-01 SET OPRTNL		500610N 0274140E	UR	
ROVNO AMMUNITION DEPOT NNW DA1		504108N 0261437E	UR	S086423
ROVNO ARMY BARRACKS CENTRAL AL2		503710N 0261440E	UR	S086364
FASTOV ARMY BARRACKS SW AL1		500416N 0295439E	UR	S087865
CHERKASSY TV RELAY + FM BROADCAST STATION		492740N 0320210E	UR	S087059
CHERKASSY TV RELAY + FM BROADCAST STATION		492740N 0320210E	UR	S088401
KONOTOP TV RELAY STATION		511400N 0331200E	UR	S087059
SLAVUTA AMMUNITION DEPOT WEST DA1		501827N 0264902E	UR	S086657
KIYEV ENGINEER DEPOT WEST DE1		502645N 0302325E	UR	S087460
YELSK MRBM REGIMENTAL HQ RADCOM RCVR BKR HARD		514256N 0291224E	UR	S086814
KONOTOP AIRCRAFT REPAIR BASE		511430N 0330840E	UR	S086391
KIYEV LONG DISTANCE TELEPHONE SWITCHING CTR		502642N 0303036E	UR	S087059

25X1

25X1

25X1

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

KOVEL BOMBING RANGE		512100N 0250900E	UR	S088102
DERAZHNYA ICBM TRNG SITE 64X GDNC/CALIB FACIL		492439N 0270915E	UR	S086041
DERAZHNYA ICBM COMPLEX SUPT FAC TYPE 36 SILO		492205N 0270914E	UR	S086894
BUKI RADIO RELAY + TV BROADCAST STATION		490505N 0302300E	UR	S088401
BUKI RADIO RELAY + TV BROADCAST STATION		490505N 0302300E	UR	
ORLOVETS RADIO RELAY STATION WNW		491410N 0313215E	UR	
POKRELVKA RADIO RELAY STATION		490005N 0294215E	UR	
YELSK MRBM REGIMENTAL COMMAND POST BKR SEARCH		514654N 0291729E	UR	S086814
ROVNO AMMUNITION DEPOT DA2		503755N 0260955E	UR	S086363

25X1

BELOTSERKOVKA TV RELAY STATION		494030N 0334415E	UR	S087059
BELOTSERKOVKA TV RELAY STATION		494030N 0334415E	UR	S088401
KANEV RADIO RELAY STATION		494427N 0312639E	UR	S087059
KORSUN SHEVCHENKOVSKIY RADIO RELAY STATION		492410N 0311600E	UR	S087418
KROLEVETS RADIO RELAY STATION		513233N 0332129E	UR	S087059
YAMPOL RADIO RELAY STATION		515428N 0334443E	UR	
BAKHMACH RADIO RELAY STATION WEST		510732N 0323750E	UR	
NEZHIN RADIO RELAY STATION SOUTH		510128N 0325320E	UR	
BOBROVITSA RADIO RELAY STATION		504515N 0312128E	UR	
VORONOVITSA GCC RELOCATION SITE BUNKERED		490610N 0283945E	UR	S087494
OVRUCH AMMUNITION STORAGE FACILITY		512208N 0284815E	UR	S087104
DZYGOVKA ORDNANCE STORAGE DEPOT		482105N 0282015E	UR	S088430

25X1

25X1

876
TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

BELAYA TSERKOV AIRFIELD MOSS TU-126	494749N 0300135E	UR	S086843
KIYEV/BORISPOL AIRFIELD AIR TRAFFIC CNTL RDR	502042N 0305338E	UR	S087725
GOSTOMEL AIRFIELD LRA AIRCRAFT SUPPORT CPBL	503601N 0301143E	UR	S086825
KOLOMYYA AIRFIELD AIRCRAFT BUNKERS	483152N 0250743E	UR	S085938
ZHITOMIR AIRFIELD	501635N 0284344E	UR	S087456
CHORTKOV AIRFIELD AIRCRAFT BUNKERS	485846N 0254424E	UR	S085941
DUBNO AIRFIELD NE FENCER A SU-19	502645N 0255017E	UR	S088527
DOLINSKAYA AIRFIELD LRA SUPPORT CAPABILITY	480130N 0324154E	UR	S086833
NOVO NIKOLAYEVSKAYA RADIO RELAY STATION	505900N 0422230E	UR	S085980
POVOKINO RADIO RELAY STATION	511200N 0421425E	UR	
STARYY OSKOL RADIO RELAY + TV RELAY STATION	511430N 0374530E	UR	S088631
STARYY OSKOL RADIO RELAY + TV RELAY STATION	511430N 0374530E	UR	
KHOMUTOVKA RADIO RELAY STATION	515500N 0342741E	UR	S086626
BELGOROD PLASTICS PLANT SUSP	503510N 0363730E	UR	S085881
NOVYY OSKOL RADIO RELAY STATION	504720N 0374920E	UR	S088631
POLTAVA TV BROADCAST STATION	493430N 0343415E	UR	S087059
ISKROVKA RADIO RELAY STATION SW	494905N 0350925E	UR	
ISKROVKA RADIO RELAY STATION SW	494905N 0350925E	UR	S088401
NEKHAYEVSKIY TV RELAY STATION	502115N 0414450E	UR	S085980
KHARKOV SILO R+D FACIL ICBM TYPE 3F SILO U/C	500300N 0361640E	UR	S084648
CHERNITSINO RADIO RELAY STATION	514240N 0355450E	UR	S086626
SHEREKINO RADIO RELAY STATION	513628N 0350900E	UR	
KHOMUTOVKA RADIO RELAY STATION	514750N 0343842E	UR	
BULAKHOVKA RADIO RELAY STATION	483600N 0353900E	UR	S087618

25X1

877

TOP SECRET CHESS RUFF

25X1
25X1

[Redacted]

TOP SECRET CHESS RUFF [Redacted]

[Redacted]

25X1
25X1

WAC/LE	SUBJECT	IDHS CODE	COORD	COUN	ACCN NO.
[Redacted]	POVORINO AIRFIELD SOUTH	[Redacted]	510500N 0421027E	UR	S086453
	MAKEYEVKA THERMAL POWER PLANT ZUYEVKA	[Redacted]	480220N 0381610E	UR	S087915
	VORONEZH ELECTRONICS TEST FACILITY SUSP IDENT	[Redacted]	514532N 0391732E	UR	S087203
	DNEPROPETROVSK MISSILE DPC UTKIN DESIGN BUR	[Redacted]	482601N 0345828E	UR	S085397
	DNEPROPETROVSK MISSILE DPC CONST SUMMARY	[Redacted]	482601N 0345828E	UR	S086305
	DNEPROPETROVSK MISSILE DPC SSM ACTIVITY	[Redacted]	482601N 0345828E	UR	S086488
	DNEPROPETROVSK MISSILE DPC TEST STAND 5	[Redacted]	482601N 0345828E	UR	S087309
	DNEPROPETROVSK MISSILE DPC UTKIN DESIGN BUR	[Redacted]	482601N 0345828E	UR	S087496
	DNEPROPETROVSK MISSILE DPC UTKIN DESIGN BUR	[Redacted]	482601N 0345828E	UR	S087341
	DNEPROPETROVSK MISSILE DPC TEST STAND 5	[Redacted]	482601N 0345828E	UR	S087345
	DNEPROPETROVSK MISSILE DPC RKT ENG TEST FACIL	[Redacted]	482601N 0345828E	UR	S087828
	VORONEZH AIRFRAME PLANT 64 CHARGER TU-144	[Redacted]	513819N 0391517E	UR	S087384
	VORONEZH AIRFRAME PLANT 64	[Redacted]	513819N 0391517E	UR	S087383
	VORONEZH AIRFRAME PLT 64 CAMBER A IL-86 IDENT	[Redacted]	513819N 0391517E	UR	S088070
	GORLOVKA EXPLOSIVES PLANT 64	[Redacted]	481806N 0380756E	UR	S086428
	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
[Redacted]	RUBEZHNOYE CHEMICAL PLANT 20	[Redacted]	485930N 0382510E	UR	S086431
[Redacted]	DNEPROPETROVSK ARMY BARRACKS CENTRAL AL1	[Redacted]	482739N 0350033E	UR	S088774
[Redacted]	KHARKOV RADIO RELAY/TV/FM BROADCAST CENTER	[Redacted]	500026N 0361334E	UR	S087059
[Redacted]	KHARKOV RADIO RELAY/TV/FM BROADCAST CENTER	[Redacted]	500026N 0361334E	UR	
[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]

25X1

25X1

25X1

25X1
25X1

878
TOP SECRET CHESS RUFF [Redacted]

[Redacted]

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

VORONEZH RADIO RELAY + TV CENTER	514025N 0391146E	UR	S087374
VOLNOYE ARMY BARRACKS AL1/RESERVE EQUIP STGE	484222N 0352259E	UR	S087528
VOLNOYE ARMY BARRACKS AL1/RESERVE EQUIP STGE	484222N 0352259E	UR	
VORONEZH SYNTHETIC RUBBER PLANT	513743N 0391439E	UR	S086871
KHARKOV AIRFRAME PLT 135 CRUSTY TU-134 MODIF	500129N 0361542E	UR	S086997
KHARKOV AIRFRAME PLANT 135 EXPANSION 1974-79	500129N 0361542E	UR	S088484
KEGICHEVKA ORDNANCE DEPOT D01	491617N 0354453E	UR	S088722
VOROSHILOVGRAD MILITARY TRNG AREA 1 BOMB RNGE	484600N 0385700E	UR	S086315
VOROSHILOVGRAD MILITARY TRNG AREA 1 BOMB RNGE	484600N 0385700E	UR	
KURSK RADIO RELAY + TV RELAY STATION WEST	514530N 0360730E	UR	S087059
KURSK RADIO RELAY + TV RELAY STATION WEST	514530N 0360730E	UR	
KAMENSK SHAKHTINSKIY SOLID MOTOR PROD PLANT	481750N 0401049E	UR	S086678
KAMENSK SHAKHTINSKIY SOLID MOTOR PROD PLANT	481750N 0401049E	UR	S087110
DNEPROPETROVSK TV + FM BROADCASTING CENTER	482655N 0350120E	UR	S087419
VOLOKONOVKA TV RELAY STATION	503043N 0375155E	UR	S088631
BELGOROD RADIO RELAY/TV RELAY/FM BDCST STA	503433N 0363450E	UR	S087059
BELGOROD RADIO RELAY/TV RELAY/FM BDCST STA	503433N 0363450E	UR	
CHUGUYEV MILITARY DEPOT SE DX1	494657N 0364442E	UR	S088721
POLTAVA AAA DEPOT SW D01	493459N 0343148E	UR	S088677
KURSK ORDNANCE DEPOT D01	514210N 0361720E	UR	S087949
LYUBOTIN RADIO RELAY STATION	495810N 0355200E	UR	S087059
PAVLOGRAD SOLID MOTOR PRODUCTION PLANT	483401N 0354912E	UR	S086673
PAVLOGRAD SOLID MOTOR PRODUCTION PLANT	483401N 0354912E	UR	S087110

25X1

25X1

TOP SECRET CHESS RUFF

25X1

25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT	IDHS CODE	COORD	COUN	ACCN NO.
DNEPROPETROVSK ARMY BARRACKS AL8		482730N 0350210E	UR	S088775
PAVLOGRAD ORDNANCE RESEARCH + DEVELOPMENT FAC		483030N 0355702E	UR	S087110
URYUPINSK RADIO RELAY STATION		504857N 0415701E	UR	S085980
[REDACTED]				
LENNY RADIO RELAY STATION		501301N 0361600E	UR	S087059
LENNY RADIO RELAY STATION		501301N 0361600E	UR	S088401
PAVLOGRAD SOLID MOTOR TEST FAC RKT MTR EXPLO		482605N 0355817E	UR	S086085
PAVLOGRAD SOLID MOTOR TEST FACILITY		482605N 0355817E	UR	S087110
PAVLOGRAD SOLID MOTOR TEST FAC SS-17/18 LAD		482605N 0355817E	UR	S088384
BOGOLUKHOV RADIO RELAY STATION		501040N 0353030E	UR	S087059
DROZDY RADIO RELAY STATION 2		511840N 0361055E	UR	
MEREFA RADIO RELAY STATION		494830N 0360205E	UR	
YAKOVLEVO RADIO RELAY STATION ENE		505140N 0362310E	UR	
VOROSHILOVGRAD ARMY BARRACKS AL6		483430N 0392140E	UR	S088784
CHERKESOVSKIY RADIO RELAY STATION		504120N 0423500E	UR	S085980
NIKOLSKIY RADIO RELAY STATION		515753N 0411319E	UR	
NOVOMOSKOVSK RADIO RELAY STATION		483800N 0351500E	UR	S087618
POLTAVA SIGNAL EQUIPMENT STGE + RPR DEPOT DS1		493620N 0343158E	UR	S088056
GOLUBOVKA RADIO RELAY STATION		485255N 0351935E	UR	S087618
ILLARIONOVO RADIO RELAY STATION SE		482115N 0352150E	UR	
BORISOGELBSK RADIO RELAY STATION		512150N 0420240E	UR	S085980
TERNOVKA RADIO RELAY STATION		514005N 0413520E	UR	
PAVLOGRAD SOLID MOTOR ASSEMBLY/TEST SUPT FAC		482658N 0355723E	UR	S086685
PAVLOGRAD SOLID MOTOR ASSEMBLY/TEST SUPT FAC		482658N 0355723E	UR	S087110
PAVLOGRAD SOLID MOTOR ASSEMBLY/TEST SUPT FAC		482658N 0355723E	UR	S088395

25X1

25X1

880

TOP SECRET CHESS RUFF

25X1

25X1

[Redacted]

TOP SECRET CHESS RUFF [Redacted]

[Redacted]

25X1

WAC/BE	SUBJECT	IDHS CODE	COORD	COUN	ACCN NO.
[Redacted]	ARTEMOVSK ORDNANCE DEPOT D01	[Redacted]	483357N 0375750E	UR	S087532
[Redacted]	SUMY AIRFIELD	[Redacted]	505145N 0344610E	UR	S088346
[Redacted]	KOCHUBEYEVKA AIRFIELD NO SIGNIFICANT CHANGE	[Redacted]	494444N 0350132E	UR	S086831
[Redacted]	KAPUSTIN YAR MTC SAM FIRING RANGE SA-X-10 ACT	[Redacted]	483930N 0454150E	UR	S088087
[Redacted]	AKHTUBINSK/VLADIMIROVKA AW RDR FAC TALL KING	[Redacted]	481710N 0461100E	UR	S086822
[Redacted]	VOLGOGRAD MILITARY TEST FACILITY 3	[Redacted]	490006N 0443435E	UR	S086372
[Redacted]	VOLGOGRAD MILITARY TEST FACILITY 1	[Redacted]	485510N 0443119E	UR	
[Redacted]	IMENI YARKINA RADIO RELAY STATION	[Redacted]	481900N 0441700E	UR	S086008
[Redacted]	ENGELS RADCOM COMMAND POST BUNKERED HARD	[Redacted]	513330N 0462100E	UR	S087494
[Redacted]	KAPUSTIN YAR MTC SS-20 TRNG SS-16/20 EQUIP CF	[Redacted]	485020N 0455440E	UR	S087537
[Redacted]	KAPUSTIN YAR MTC SS-20 TRNG SS-16/20 EQUIP CF	[Redacted]	485020N 0455440E	UR	
[Redacted]	KAPUSTIN YAR MTC SS-20 TRNG SS-16/20 EQUIP CF	[Redacted]	485020N 0455440E	UR	
[Redacted]	KAPUSTIN YAR MTC SS-20 TRNG SS-16/20 EQUIP CF	[Redacted]	483615N 0460842E	UR	S086189
[Redacted]	KAPUSTIN YAR MTC SS-20 TRNG SS-16/20 EQUIP CF	[Redacted]	483615N 0460842E	UR	
[Redacted]	KAPUSTIN YAR MTC SS-20 TRNG SS-16/20 EQUIP CF	[Redacted]	483615N 0460842E	UR	
[Redacted]	AKHTUBINSK/VLADIMIROVKA AREA AIRFIELD	[Redacted]	481851N 0461630E	UR	S086822
[Redacted]	AKHTUBINSK/VLADIMIROVKA AREA AFLD BACKFIRE B	[Redacted]	481851N 0461630E	UR	S088499
[Redacted]	AKHTUBINSK/VLADIMIROVKA AREA AFLD AS-4 ACT	[Redacted]	481851N 0461630E	UR	S088515
[Redacted]	AKHTUBINSK/VLADIMIROVKA AREA AFLD AS-4 ACT	[Redacted]	481851N 0461630E	UR	
[Redacted]	KAPUSTIN YAR MTC SS-20 TRNG SS-16/20 EQUIP CF	[Redacted]	484640N 0460310E	UR	S087292
[Redacted]	KAPUSTIN YAR MTC SS-20 TRNG SS-16/20 EQUIP CF	[Redacted]	484640N 0460310E	UR	
[Redacted]	KAPUSTIN YAR MTC SS-20 TRNG SS-16/20 EQUIP CF	[Redacted]	484640N 0460310E	UR	
[Redacted]	KAPUSTIN YAR/TURGAY AW RADAR FACILITY EAST	[Redacted]	482550N 0471002E	UR	S087318
[Redacted]	VOLGOGRAD THERMAL POWER PLANT TETS 4	[Redacted]	482735N 0444022E	UR	S087058
[Redacted]	SARATOV HEAT + THERMAL POWER PLANT TETS 5	[Redacted]	514225N 0460025E	UR	
[Redacted]	KAPUSTIN YAR MTC ELCT TEST FAC GER-EL-01 RDR	[Redacted]	484130N 0454330E	UR	S087554

25X125X1

[Redacted]

25X1
25X1

[Redacted]

TOP SECRET CHESS RUFF

[Redacted]

[Redacted]

25X1

WAC/BE

[Redacted]

SUBJECT	IDHS CODE	COORD	COUN	ACCN NO.
KAPUSTIN YAR MTC ELCT RLTD FAC DO-EL-06 RADAR		485008N 0453911F	UR	S088416
KAPUSTIN YAR MTC TRACKING FACIL BAR LOCK RDR		482110N 0471210E	UR	S087318
KAPUSTIN YAR MTC RANGEHEAD TRKG FAC BOW/ARROW		483858N 0454538E	UR	S086671
KAPUSTIN YAR MTC RANGEHEAD TRKG FAC BOW/ARROW		483858N 0454538E	UR	S086937
AKHTUBINSK ORDNANCE TEST AREA 4		482600N 0462300E	UR	S087342
AKHTUBINSK ORDNANCE TEST AREA 4		482600N 0462300E	UR	S087313
TEREKTY ASM IMPACT AREA RDR AREA A RDRS/CRTRS		481515N 0483130E	UR	S087318
KAPUSTIN YAR MTC ORDNANCE TEST AREA REAR L		483000N 0461500E	UR	S087342
KAPUSTIN YAR MTC ORDNANCE TEST AREA REAR L		483000N 0461500E	UR	S087313
KAPUSTIN YAR MTC ORDNANCE TEST AREA REAR L		483000N 0461500E	UR	S087342
SARATOV AIRFRAME PLANT 292 HIP MI-8 FUSELAGE		512948N 0455703E	UR	S087710
SARATOV AIRFRAME PLANT 292 EXPANSION 1971-79		512948N 0455703E	UR	S088485
[Redacted]		[Redacted]		
AKHTUBINSK/VLADIMIROVKA ASM SUPPORT COMPLEX		481738N 0461203E	UR	S086822
[Redacted]		[Redacted]		
KAPUSTIN YAR MTC SAM R+U AREA D SA-X-10 ACT		484704N 0454845E	UR	S087557
AKHTUBINSK FLIGHT TEST CENTER FLOGGER G SRCH		481735N 0461216E	UR	S086245
AKHTUBINSK FLIGHT TEST CENTER HELICOPTER U/I		481735N 0461216E	UR	S084653
AKHTUBINSK FLIGHT TEST CTR FOXBAT MIG-25 CNT		481735N 0461216E	UR	S086433
AKHTUBINSK FLIGHT TEST CENTER		481735N 0461216E	UR	S086822
AKHTUBINSK FLIGHT TEST CENTER FOXBAT MODIF		481735N 0461216E	UR	S088408

25X1

25X1

25X1

[Redacted]

[Redacted]

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

AKHTUBINSK FLIGHT TEST CENTER FOXBAT A MIG-25	481735N 0461216E	UR	S088407
VOLGOGRAD SYNTHETIC RUBBER COMBINE VOLZHSKIY	484908N 0445035F	UR	S086871
KAPUSTIN YAR MTC COMPLEX C SITE 2 SS-20 DPL	483555N 0461752F	UR	S087350
KAPUSTIN YAR MTC COMPLEX C SITE 2 SS-20 DPL	483555N 0461752E	UR	S087351
KAPUSTIN YAR MTC SITE C1 ALIGNMENT/GDNC FACIL	483658N 0461800E	UR	S086053
KAPUSTIN YAR MTC SITE C1	483658N 0461800E	UR	S086045
KAPUSTIN YAR MTC COMPLEX C SITE 1 SS-20 ACT	483658N 0461800E	UR	S086389
KAPUSTIN YAR MTC CPLX C SITE 1 SS-16/20 TEL	483658N 0461800E	UR	S087207
KAPUSTIN YAR MTC COMPLEX C SITE 1 SS-20 GDNC	483658N 0461800E	UR	S088510
KAPUSTIN YAR MTC COMPLEX C SITE 1 EQUIP U/I	483658N 0461800E	UR	S088530
KAPUSTIN YAR MTC CPLX C SITE 1 CYLINDER U/I	483658N 0461800E	UR	S088581
AKHTUBINSK/VLADIMIROVKA ASM/AAM SUPPORT CPLX	481844N 0461038F	UR	S086822
KAPUSTIN YAR MTC SRBM TEL/RESUPPLY VEH U/I	484116N 0461648E	UR	S086196
KAPUSTIN YAR MTC SRBM COMPLEX A KY-A-01 EXER	484116N 0461648E	UR	S088069
KAPUSTIN YAR MTC SRBM CPLX A SITE 1 KY-A-01	484116N 0461648E	UR	S087630
KAPUSTIN YAR MTC CPLX A SRBM 1 SS-X-23 EQUIP	484116N 0461648E	UR	S088694
KAPUSTIN YAR MTC SRBM COMPLEX A SS-X-23 EQUIP	484116N 0461648E	UR	S088467
KAPUSTIN YAR MTC SRBM SUPT FAC SS-21 TRNG ACT	484302N 0461523E	UR	S088078
KAPUSTIN YAR MTC RECEIVING/INSPECTION/STORAGE	484038N 0460924E	UR	S088653
VOLGOGRAD STEEL + MACH PLT KRASNYY BARRIKADA	484632N 0443449E	UR	S086372

25X1

25X1

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

TATISHCHEVO ICBM TRNG SITE 35X GDNC/CALIB FAC	514157N	0453248E	UR	S086054
TATISHCHEVO ICBM TRNG SITE 35X GDNC/CALIB FAC	514157N	0453248E	UR	S086041
TATISHCHEVO ICBM TRNG SITE 35X GDNC/CALIB FAC	514157N	0453248E	UR	S088579
VOLGOGRAD KACHA PILOT SCHOOL AIRCRAFT SEARCH	484425N	0443000E	UR	S086987
AKHTUBINSK/VLADIMIROVKA AAM/ASM STORAGE CPLX	482241N	0461218E	UR	S086822
KAPUSTIN YAR MTC MRBM/IRBM BIVOUAC/TRNG AREA	483647N	0460935E	UR	S086219
VOLGOGRAD AMMUNITION + TANK DEPOT DA1/DO1	484212N	0442306E	UR	S088608
AKHTUBINSK ORDNANCE TEST AREA 1	482039N	0462000E	UR	S087342
AKHTUBINSK ORDNANCE TEST AREA 1	482039N	0462000E	UR	S087313
BALASHOV RADIO RELAY STATION	513255N	0430910E	UR	S085980
ENGELS AIRFIELD BISON A M-4 DISMANTLED	512845N	0461250E	UR	S087780
ENGELS AIRFIELD BISON B M-4 DISASSEMBLY	512845N	0461250E	UR	S087738
AKHTUBINSK/VLADIMIROVKA AIRFIELD FOXBAT A/B/D	481838N	0461424E	UR	S085863
AKHTUBINSK/VLADIMIROVKA AIRFIELD MSL U/I COMP	481838N	0461424E	UR	S085722
AKHTUBINSK/VLADIMIROVKA AIRFIELD MSL U/I COMP	481838N	0461424E	UR	
AKHTUBINSK/VLADIMIROVKA AIRFIELD	481838N	0461424E	UR	S086822
AKHTUBINSK/VLADIMIROVKA AFLD A/C RADOME ANAL	481838N	0461424E	UR	S087326
AKHTUBINSK/VLADIMIROVKA AIRFIELD TASM/AAM	481838N	0461424E	UR	S087573
AKHTUBINSK/VLADIMIROVKA AIRFIELD TASM/AAM	481838N	0461424E	UR	
AKHTUBINSK/VLADIMIROVKA AIRFIELD TASM/AAM U/I	481838N	0461424E	UR	S087572
AKHTUBINSK/VLADIMIROVKA AIRFIELD AS-4 ACT	481838N	0461424E	UR	S088515
AKHTUBINSK/VLADIMIROVKA AIRFIELD AS-4 ACT	481838N	0461424E	UR	
AKHTUBINSK/VLADIMIROVKA AIRFIELD MISSILES U/I	481838N	0461424E	UR	S088595
AKHTUBINSK/VLADIMIROVKA AIRFIELD MISSILES U/I	481838N	0461424E	UR	

25X1

884

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

ENGELS/LEBEDOVO AIRFIELD LRA SUPPORT CPBL	511712N 0461355E	UR	S086832
TATISHCHEVO SSM COMPLEX SILO DEPLOYMENT	515042N 0454042E	UR	S086780
KAPUSTIN YAR MTC SS-16/20 EQUIPMENT IDENT/CF	484107N 0455853E	UR	S085965
KAPUSTIN YAR MTC SS-16/20 EQUIPMENT IDENT/CF	484107N 0455853E	UR	
KAPUSTIN YAR MTC SS-16/20 EQUIPMENT IDENT/CF	484107N 0455853E	UR	
KAPUSTIN YAR MTC SS-20 DEPLOYMENT PATTERNS	484107N 0455853E	UR	S087349
KAPUSTIN YAR MTC SL-8 ACTIVITY	484107N 0455853E	UR	S087314
MAKAT ASM IMPACT AREA B RADAR TGTS/CRTPS NEW	480600N 0534400E	UR	S086506
MAKAT FAD-741 EMITTER BIG BAR RADAR DESTROYED	480319N 0534334E	UR	S086903
ORENBURG GUIDED MISSILE PLT 47 CONST SUMMARY	514818N 0550802E	UR	S086305
ORENBURG GUIDED MISSILE PLANT 47 SSM ACTIVITY	514818N 0550802E	UR	S086488
ORENBURG GUIDED MISSILE PLANT SS-18 CAN SECT	514818N 0550738E	UR	S087682
EMBA MTC LAUNCH CPLX SPOON REST D RDR VAN MTD	483103N 0580207E	UR	S086477
EMBA MTC COMPLEX B PAD U/C	483103N 0580207E	UR	S088026
DOMBAROVSKIY ICBM RTP GUIDANCE/CALIB FACILITY	510131N 0594811E	UR	S086041
ORENBURG TV CENTER	514618N 0550659E	UR	S086490
ORENBURG AVIATION PILOTS SCHOOL AIRCRAFT SRCH	514525N 0550710E	UR	S086979
EMBA MTC SA-X-11 XLDR + RESUPPLY VEH IDENT	483800N 0580300E	UR	S085962
EMBA MTC SS-1 FAD-708 INSTRUMENTATION EQUIP	483800N 0580300E	UR	S087205
EMBA MTC SA-X-11 FIELD EXERCISE IDENTIFIED	483800N 0580300E	UR	S087658
EMBA MTC EM-EL-06 RADAR	483800N 0580300E	UR	S087726
MEDNOGORSK RADIO RELAY STATION	512442N 0573430E	UR	S086490
DONGUZ ARTILLERY TEST AREA T-72 TANK	513200N 0545640E	UR	S088036

25X125X1

885

TOP SECRET CHESS RUFF

25X1
25X1

[Redacted]

TOP SECRET CHESS RUFF

[Redacted]

[Redacted]

25X1

WAC/BE

[Redacted]

SUBJECT	IDHS CODE	COORD	COUN	ACCN NO.
NOVOALEKSEYEVKA AIRFIELD		500819N 0553929E	UR	S086410
DOMBAROVSKIY ICBM COMPLEX SILO DEPLOYMENT		510746N 0600957E	UR	S087605
TYURATAM MTC TRACKING FAC 5 12-METER DISH ANT		515333N 0672113E	UR	S086270
TYURATAM MTC TRACKING FACILITY 5 BOW + ARROW		515333N 0672113E	UR	S086671
TYURATAM MTC TRACKING FACILITY 5 BOW + ARROW		515333N 0672113E	UR	S086811
TYURATAM TRACKING FACILITY 5 BOW + ARROW		515333N 0672113E	UR	S087321
IMENI GASTELLO ICBM TRNG SITE 21X GDNC/CALIB		510616N 0661603E	UR	S086041
IMENI GASTELLO ICBM COMPLEX SILO DEPLOYMENT		511641N 0655550E	UR	S087603

25X1

[Redacted]

25X1

TORTKUDUK GOLD PROCESSING PLANT POSS		514200N 0741400E	UR	S085659
EKIBASTUZ THERMAL POWER PLANT GRES		515300N 0752320E	UR	S087055
TORTKUDUK BOMBING RANGE		514930N 0740131E	UR	S088427

25X1

[Redacted]

[Redacted]

[Redacted]

[Redacted]

25X1

25X1

[Redacted]

TOP SECRET CHESS RUFF

[Redacted]

[Redacted]

25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

MAYKAIN GOLD COMPLEX

512813N 0754800E

UR

S085659

25X1

TEMIR TAU SYNTHETIC RUBBER PLANT KARAGANDA

500435N 0725512E

UR

S086871

SEMIPALATINSK GRAIN PROCESSING YARD ABANDONED

503735N 0775104E

UR

S087425

25X1

[Redacted]

[Redacted]

TOP SECRET CHESS RUFF

[Redacted]

[Redacted]

25X1
25X1

Page Denied

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

25X1

RUBTSOVSK ARMORED VEHICLE TEST FACILITY	514130N 0811200E	UR	S087268
RUBTSOVSK TRACTOR PLANT ALTA 1	513222N 0811237E	UR	S086372
LENINOGORSK NONFERROUS METALS PLANT	502135N 0833205E	UR	S085663
UST KAMENOGORSK HEAT + THERMAL POWER PLT TETS	495856N 0823659E	UR	S087915
UST KAMENOGORSK ATOMIC ENERGY FACILITY	4958 N 08236 E	UR	S087723
UST KAMENOGORSK ZINC + LEAD WORKS	495920N 0823650E	UR	S085663
ZHANGIZTOBE ICBM TRNG SITE 22X GDNC/CALIB FAC	491206N 0810741E	UR	S086041
SEMIPALATINSK ARMY BARRACKS AL1/HQ ARTY DIV	502310N 0801100E	UR	S087176
RUBTSOVSK AIR TECHNICAL SCHOOL AIRCRAFT SRCH	513035N 0810940E	UR	S086980
DOLON COMMAND CONTROL FACILITY BUNKERED U/I	503755N 0792125E	UR	S087494
SEMIPALATINSK AVTOKOLONNA 2584	502644N 0801417E	UR	S087242
DOLON AIRFIELD	503214N 0791138E	UR	S087369

25X1

TOP SECRET CHESS RUFF

25X1
25X1

[Redacted]

TOP SECRET CHESS RUFF [Redacted]

[Redacted]

25X1

WAC/DE

[Redacted]

SUBJECT	IDHS CODE	COORD	COUN	ACCN NO.
ZHANGIZTOBE ICBM COMPLEX SILO DEPLOYMENT	[Redacted]	491759N 0811944E	UR	S087606
BULGAN ARMY BARRACKS AL1 MRD ORIGINS	[Redacted]	483454N 1032803E	MG	S088354
BULGAN ARMY BKS/TK DIV WEST MEDICAL EVAC VEH	[Redacted]	483501N 1032455E	MG	S088436
ZAYSAN AIRFIELD	[Redacted]	472820N 0845155E	UR	S086208
[Redacted]				
TALDY KURGAN AIRFIELD NE	[Redacted]	450722N 0782638E	UR	
SARY SHAGAN MTC MISSILE RELATED FACIL NORTH	[Redacted]	455226N 0733052E	UR	S085866
SARY SHAGAN MTC MISSILE RELATED FACIL NORTH	[Redacted]	455226N 0733052E	UR	S085847
SARY SHAGAN MTC R+D RADAR FAC 3 CALIB PSTNS	[Redacted]	455800N 0733810E	UR	S088105
SARY SHAGAN MTC SH-4/ABM-X-3 BOOSTER POSS	[Redacted]	460200N 0733000E	UR	S085753
SARY SHAGAN MTC R+D CPLX LINEAR TEST FAC SUSP	[Redacted]	455200N 0733100E	UR	S086015
SARY SHAGAN MTC R+D COMPLEX OPTICAL DVC CMPNT	[Redacted]	455200N 0733100E	UR	S086009
SARY SHAGAN MTC R+D COMPLEX	[Redacted]	455200N 0733100E	UR	S086038
SARY SHAGAN MTC R+D COMPLEX	[Redacted]	455200N 0733100E	UR	S087168
SARY SHAGAN MTC R+D COMPLEX POINTER TRACKER	[Redacted]	455200N 0733100E	UR	S087380
SARY SHAGAN MTC R+D COMPLEX FAC A NORTH BLDG	[Redacted]	455200N 0733100E	UR	S087749
SARY SHAGAN MTC R+D COMPLEX OPTICAL DVC CMPNT	[Redacted]	455200N 0733100E	UR	S088410
SARY SHAGAN MTC R+D COMPLEX FAC A SOUTH BLDG	[Redacted]	455045N 0733104E	UR	S086379
SARY SHAGAN MTC R+D COMPLEX FACILITY A	[Redacted]	455045N 0733104E	UR	S086665
SARY SHAGAN MTC R+D COMPLEX FAC A NORTH BLDG	[Redacted]	455045N 0733104E	UR	S088099
SARY SHAGAN MTC R+D COMPLEX FAC A CONDUIT	[Redacted]	455045N 0733104E	UR	S088871

25X1

25X1

25X1

25X1

89J

TOP SECRET CHESS RUFF [Redacted]

[Redacted]

[Redacted]

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

225X1

SARY SHAGAN MTC ELCT TEST FAC SH-EL-06 RADAR	455100N 0733500E	UR	S086141
SARY SHAGAN MTC PHASED-ARRAY RADAR PANELS NEW	463600N 0743000E	UR	S084642
SARY SHAGAN MTC PHASED-ARRAY RADAR FAC NORTH	463600N 0743000E	UR	S086705
SARY SHAGAN MTC PHASED-ARRAY RADAR FAC NORTH	463600N 0743000E	UR	S087584

25X1

SARY SHAGAN MTC CPLX B ABM SILO LDG EXER/GSE	460106N 0722804E	UR	S085985
SARY SHAGAN MTC COMPLEX B ABM CANISTER NEW	460106N 0722804E	UR	S085798
SARY SHAGAN MTC COMPLEX B ABM SILO LOADING	460106N 0722804E	UR	S085884
SARY SHAGAN MTC COMPLEX B ABM SILO LOADER NEW	460106N 0722804E	UR	S085791
SARY SHAGAN MTC COMPLEX B ABM-1B SILOS	460106N 0722804E	UR	S086376
SARY SHAGAN MTC COMPLEX B ABM SILOS U/C	460106N 0722804E	UR	S087753
SARY SHAGAN MTC CPLX B ABM-1 LNCHR REASSEMBLY	460106N 0722804E	UR	S088217
SARY SHAGAN MTC COMPLEX B	460106N 0722804E	UR	S088551

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC/DE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

SARY SHAGAN MTC COMPLEX B LAUNCHERS NEW	460106N 0722804E	UR	S088519
SARY SHAGAN MTC ESV TRKG/MOLNIYA RADIO TLMTRY	455338N 0733727E	UR	S088161
SARY SHAGAN MTC ESV TRKG/MOLNIYA RADIO TLMTRY	455338N 0733727E	UR	S088166
SARY SHAGAN MTC ESV TRACKING/MOLNIYA FACILITY	455338N 0733727E	UR	S088052
SARY SHAGAN MTC R+D RADAR FACILITY 1	460010N 0733859E	UR	S087584
SARY SHAGAN MTC R+D RADAR FACILITY 1	460010N 0733859E	UR	S087449
SARY SHAGAN MTC COMPLEX F ABM LAUNCH PREP	462629N 0725108E	UR	S086899
SARY SHAGAN MTC COMPLEX F ABM SILOS U/C	462629N 0725108E	UR	S087753
SARY SHAGAN MTC COMPLEX F ABM LAUNCH EVIDENCE	462629N 0725108E	UR	S087748
SARY SHAGAN MTC COMPLEX F ABM LAUNCH PREP	462629N 0725108E	UR	S088140
SARY SHAGAN MTC COMPLEX F ABM SILO 3B DAMAGE	462629N 0725108E	UR	S087971
SARY SHAGAN MTC COMPLEX F ABM SILO IDENT	462629N 0725108E	UR	S087992
SARY SHAGAN MTC COMPLEX F ABM LAUNCH PSTN NEW	462629N 0725108E	UR	S088321
SARY SHAGAN MTC COMPLEX F	462629N 0725108E	UR	S000551
SARY SHAGAN MTC COMPLEX F ABM LAUNCH EVIDENCE	462629N 0725108E	UR	S088221
SARY SHAGAN MTC COMPLEX F LAUNCHERS NEW	462629N 0725108E	UR	S038519
SARY SHAGAN MTC COMPLEX F ABM POSITION 3D U/C	462629N 0725108E	UR	S088541
SARY SHAGAN MTC COMPLEX E SA-X-10 EQUIPMENT	453745N 0723500E	UR	S088979
SARY SHAGAN MTC COMPLEX E SA-X-10 TRAINING	453745N 0723500E	UR	S000977
SARY SHAGAN MTC COMPLEX E SA-X-10 EQUIPMENT	453745N 0723500E	UR	S086327
SARY SHAGAN MTC COMPLEX E SA-X-10 TRAINING	453745N 0723500E	UR	S086376
SARY SHAGAN MTC COMPLEX E SA-X-10 EQUIPMENT	453745N 0723500E	UR	S086619

25X1

892

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

25X1

SARY SHAGAN MTC COMPLEX E SA-X-10 CREW TRNG	453815N 0723535E	UR	S088650
TYURATAM/TARTUGAY MTC RADAR TEST FAC SUSP RDR	442953N 0661406E	UR	S085929
TYURATAM/TARTUGAY MTC RDR TEST FAC SUSP AWAC	442953N 0661406F	UR	S086266
TYURATAM/TARTUGAY MTC RDR TEST FAC SUSP AWAC	442953N 0661406E	UR	
TYURATAM/TARTUGAY MTC RADAR TEST FAC SUSP	442953N 0661406E	UR	S088578
TYURATAM/TARTUGAY MTC RADAR TEST FAC AWACS	442953N 0661406E	UR	S088535
TYURATAM MTC ICBM SITE Y	455653N 0633915E	UR	S087702
TYURATAM MTC SITE U/C	455653N 0633915E	UR	S087128
TYURATAM MTC SPACE SITE W	460021N 0631833E	UR	S087702
TYURATAM MTC SPACE SITE U/C	460021N 0631833E	UR	S087109
TYURATAM MTC CONST ACT P2 RWY SPACE ASSOC U/C	460302N 0631351E	UR	S086907
TYURATAM AIRFIELD 3	460302N 0631351E	UR	S087702
TYURATAM MTC RANGEHEAD TRKG FACIL BOW + ARROW	454230N 0632020E	UR	S086811
TYURATAM MTC RANGEHEAD TRACKING FAC BOW/ARROW	454230N 0632020E	UR	S086671
TYURATAM MTC RANGEHEAD TRACKING FAC BOW/ARROW	454230N 0632020E	UR	S087321
TYURATAM MTC RANGEHEAD TRACKING FACILITY	454230N 0632020E	UR	S086928
TYURATAM MTC COMPLEX C TRKG FAC 12-METER DISH	4558 N 06340 E	UR	S086270
TYURATAM MTC ICBM COMPLEX G FACILITY U/I	460340N 0625130E	UR	S085840
TYURATAM MTC COMPLEX G FACILITY U/I	460340N 0625130E	UR	S085868

25X1

TYURATAM/TARTUGAY MTC RADAR TEST FAC 85M TWR	443134N 0661516E	UR	S088578
TYURATAM/TARTUGAY MTC RADAR TEST FAC 85M TWR	443134N 0661516E	UR	S088535

893

TOP SECRET CHESS RUFF

25X1

25X1

TOP SECRET CHESS RUFF

25X1
25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

25X1:1

TYURATAM MTC SPACE SITE A1 REFURBISHMENT ACT	455516N	0632030E	UR	S086216
TYURATAM MTC SPACE SITE B1 LAUNCH PREPARATION	455950N	0633348E	UR	S087287
TYURATAM MTC SPACE SITE B1 GUIDANCE FACILS	455950N	0633348E	UR	S086800
TYURATAM RADIO RELAY + TV STA GDNC/CALIB FAC	453813N	0631942E	UR	S086041
TYURATAM MTC SPACE SITE G1A/B SL-11 ERECTED	460454N	0625555E	UR	S087126
TYURATAM MTC ICBM SUPPORT FACIL 7 CONST NEW	460324N	0625626E	UR	S088116
TYURATAM MTC ICBM TEST SUPT FACIL 7 SL-12 SLV	460324N	0625626E	UR	S088241
TYURATAM MTC ICBM TEST SUPPORT FACILITY 7 ANT	460324N	0625626E	UR	S088052
TYURATAM MTC SPACE SITE G3/4	460423N	0625849E	UR	S086281
TYURATAM MTC SPACE SITE G3/4 UTILITY SYS U/G	460423N	0625849E	UR	S086282
TYURATAM MTC SPACE SITE G3/4	460423N	0625849E	UR	S086267
TYURATAM MTC SPACE SITE G3/4 SL 12/13 SLV	460423N	0625849E	UR	S087207
TYURATAM MTC SPACE SITE G3/4 SL-12/13 LAUNCH	460423N	0625849E	UR	S086023
TYURATAM MTC ICBM SITE L6 TYPE 3D SILO EXPLO	460135N	0625323E	UR	S086097
TYURATAM MTC SPACE SITE J1/2 PAD MODIFICATION	455751N	0631825E	UR	S086083
TYURATAM MTC SPACE COMPLEX J SPACECRAFT	455751N	0631825E	UR	S087358
TYURATAM MTC ICBM SITE V4 SS-17 SILO RELOAD	460325N	0630154E	UR	S087970
TYURATAM MTC ESV TRKG FAC 12-METER DISH ANT	455426N	0632015E	UR	S086270
TYURATAM MTC ESV TRACKING FACILITY	455426N	0632015E	UR	S088052
TYURATAM MTC DEEP SPACE TRACKING FACILITY	454216N	0632018E	UR	
TYURATAM MTC ICBM SITE K2 SS-9 ASSOC ACTIVITY	460204N	0630341E	UR	S088540
TYURATAM MTC SPACE SITE U1/2	460214N	0630212E	UR	S086300

894

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

TYURATAM MTC SPACE SITE U1/2 UTILITY SYS U/G	460214N 0630212E	UR	S086275
TYURATAM MTC SPACE SITE U1/2	460214N 0630212E	UR	S086283
TYURATAM MTC SPACE SITE U1/2 SL-12/13 LAUNCH	460214N 0630212E	UR	S086823
TYURATAM MTC SPACE SITE U1/2 SL-12 LNCH PREPS	460214N 0630212E	UR	S087691
TYURATAM MTC SPACE SITE U1/2 TYPE 3H SILO	460214N 0630212E	UR	S088074
TYURATAM MTC SPACE SITE U1/2 SL-12/13 SLV	460214N 0630212E	UR	S088380
TYURATAM MTC ICBM SITE S9 SS-19 LNCH EVIDENCE	460308N 0625915E	UR	S087685
TYURATAM MTC GUIDANCE RELATED FACILITIES	455637N 0632755E	UR	S086046
TYURATAM MTC	455637N 0632755E	UR	S085775
TYURATAM MTC SPACE SHUTTLE FACILS PROB U/C	455637N 0632755E	UR	S086085
TYURATAM MTC	455637N 0632755E	UR	S086268
TYURATAM MTC CONSTRUCTION NEW	455637N 0632755E	UR	S088591
KAMYZYAK RADIO RELAY STATION SEARCH	460649N 0480410E	UR	S086461
ASTRAKHAN RADIO RELAY/TV/FM BROADCAST CENTER	462140N 0480310E	UR	S086461
ASTRAKHAN RADIO RELAY/TV/FM BROADCAST CENTER	462140N 0480310E	UR	
MINERALNYYE VODY AIRFIELD ATC RADAR FACILITY	441325N 0430506E	UR	S087725
VOROVSKOLESSKAYA RADIO RELAY STATION	441750N 0422000E	UR	S087534
KERCH/BAGEROVO BOMBING RANGE	452630N 0360910E	UR	S088035
ZAPOROZHYE AIRCRAFT ENG PLANT 478 LOTAREV OKB	474928N 0351147E	UR	S088526

25X1

25X1

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

ZAPOROZHYE AIRCRAFT ENG PLANT 478 LOTAREV OKB	474928N 0351147E	UR	S088594
ROSTOV AIRFRAME PLANT 168 HIND D MI-24 MODIF	471516N 0394318E	UR	S087036
ROSTOV AIRFRAME PLT 168 HIND MI-24 CONT IDENT	471516N 0394318E	UR	S086882
ROSTOV AIRFRAME PLANT 168 HIND SHPG CONTS NEW	471516N 0394318E	UR	S087414
ROSTOV AIRFRAME PLANT 168 CONSTRUCTION ACT	471516N 0394318E	UR	S087709
ROSTOV AIRFRAME PLANT 168	471516N 0394318E	UR	S088842
TAGANROG AIRFRAME PLT 86 AIRBORNE EW RDR NEW	471150N 0385220E	UR	S085929
TAGANROG AIRFRAME PLT 86 AIRBORNE EW RDR NEW	471150N 0385220E	UR	
TAGANROG AIRFRAME PLANT DIMITROV 86	471150N 0385220E	UR	S086198
TAGANROG AIRFRAME PLANT DIMITROV 86 OBJS U/I	471150N 0385220E	UR	S086266
TAGANROG AIRFRAME PLANT DIMITROV 86	471150N 0385220E	UR	S087824
TAGANROG AIRFRAME PLANT 86 BERIYEV DESIGN BUR	471150N 0385220E	UR	S087805
TAGANROG AIRFRAME PLT DIMITROV 86 CANDID AWAC	471150N 0385220E	UR	S088482
TAGANROG AIRFRAME PLT DIMITROV 86 CANDID AWAC	471150N 0385220E	UR	
FEODOSIYA AIR FORCE SCHOOL AIRCRAFT SEARCH	4503 N 03522 E	UR	S086978
MAYKOP ARMY BKS SOUTH MRD SECOND GENERATION	443428N 0400732E	UR	S086656
MAYKOP ARMY BARRACKS SOUTH AL1	443428N 0400732E	UR	S088781
CHERNOMORSKOYE MISSILE TEST + EVALUATION FAC	450116N 0355748E	UR	S086052
CHERNOMORSKOYE MISSILE TEST + EVALUATION FAC	450116N 0355748E	UR	S086040
ROSTOV AIRCRAFT REPAIR BASE	471546N 0394846E	UR	S086646
FEODOSIYA NAVAL TORPEDO TEST STATION	445720N 0352206E	UR	S088292
ZAPOROZHYE AIRCRAFT REPAIR BASE	475140N 0351750E	UR	S086563
ZAPOROZHYE AIRCRAFT REPAIR BASE FOXBAT B/D	475140N 0351750E	UR	S088189

25X125X1

896

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

YEYSK AIRCRAFT REPAIR BASE	464202N 0381435E	UR	S086518
SUDAK NUCLEAR WPNS STGE RAILCAR BOGIES SEARCH	445530N 0350432E	UR	S086432
FEODOSIYA SHIPYARD YUZNAYA TOCHKA FAC NEW U/C	450711N 0352953E	UR	S086862
FEODOSIYA SHIPYARD YUZH-A CLASS PGHB NEW	450711N 0352953E	UR	S086631
FEODOSIYA SHIPYARD YUZNAYA TOCHKA YUZH B ACV	450711N 0352953E	UR	S086908
FEODOSIYA SHIPYARD YUZNAYA TOCHKA YUZH A PGHB	450711N 0352953E	UR	S087707
STARYY KRYM ORDNANCE DEPOT D01 NAV STGE POSS	450130N 0350820E	UR	S087307
STARYY KRYM ORDNANCE DEPOT D01 NAV STGE POSS	450130N 0350820E	UR	
NOVOCHERKASSK ARMY BARRACKS AL9	472430N 0400625E	UR	S086859
MELEKHOVSKAYA RADIO RELAY STATION NE	473120N 0403450E	UR	S086159
ROSTOV NA DONA HEAT + TTP NOVOROSTOVSKAYA 2	471304N 0393454E	UR	S087915
KERCH NAVAL OFFSHORE DEFENSE FORCE BASE	452100N 0362840E	UR	S087907
ARMAVIR AVTOKOLONNA 1198	445908N 0410525E	UR	S087175
ARMAVIR AVTOKOLONNA 1715	445855N 0410640E	UR	S087241
BOLSHOY TOKMAK AIRFIELD	471717N 0354238E	UR	S087525
BERDYANSK AIRFIELD HELICOPTER ASSAULT REGT	464903N 0364532E	UR	S087262
TAGANROG AIRFIELD AIRBORNE EW RADAR NEW	471155N 0385055E	UR	S085929
TAGANROG AIRFIELD	471155N 0385055E	UR	S086198
TAGANROG AIRFIELD TAG A AERODYNAMIC VEH MODIF	471155N 0385055E	UR	S087029
TAGANROG SEAPLANE STATION	4711 N 03852 E	UR	S086198
PRIMORSKIY HELIPORT HIND MI-24 IDENTIFICATION	450750N 0353130E	UR	S087028
PRIMORSKIY HELIPORT HORMONE MODIF KA-25	450750N 0353130E	UR	S088258

25X1

897

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT	IDHS CODE	COORD	COUN	ACCN NO.
PRIMORSKIY HELIPOINT HORMONE MODIF KA-25 IDENT		450750N 0353130E	UR	S088277
DZHANKOY BOMBING RANGE		454729N 0344335E	UR	S086315
DZHANKOY BOMBING RANGE		454729N 0344335E	UR	S087959
BALAKLAVA MTC		443014N 0333122E	UR	S088235
KAZACH YA BUKHTA DOLPHIN RESEARCH SUBMERSIBLE		443448N 0332418E	UR	S085662
KAZACH YA BUKHTA DOLPHIN RESEARCH SUBMERSIBLE		443448N 0332418E	UR	
NAVODARI PETROLEUM REFINERY		442042N 0283910E	RO	S088048
YEVPA TORIYA DEEP SPACE TRKG FAC CTRL DISH ANT		451125N 0331117E	UR	S086083
YEVPA TORIYA DEEP SPACE TRACKING FACIL CENTRAL		451125N 0331117E	UR	S088052
NIKOLAYEV SHIPYARD 444 KIEV CLASS CVHG LAUNCH		465705N 0315816E	UR	S086074
NIKOLAYEV SHIPYARD NOSENKO 444		465705N 0315816E	UR	S087063
NIKOLAYEV SHIPYARD NOSENKO 444 GANTRY CRANE		465705N 0315816E	UR	S088003
KHERSON SHIPYARD KUYBYSHEV		463715N 0323630E	UR	S087199
NIKOLAYEV SHIPYARD 445 445F/KARA CLASS CG U/C		465840N 0320019E	UR	S086085
NIKOLAYEV SHIPYARD NORTHERN 61 445F CLASS NEW		465840N 0320019E	UR	S087037
NIKOLAYEV SHIPYARD NORTHERN 61 KOMMUNA 445		465840N 0320019E	UR	S087063
NIKOLAYEV SHIPYARD 61 445F CLASS GM CRUISER		465840N 0320019E	UR	S087700
NIKOLAYEV SHIPYARD 61 445F CLASS GM CRUISER		465840N 0320019E	UR	S087538
NIKOLAYEV SHIPYARD 61 445F CL GM CRUISER LNCH		465840N 0320019E	UR	S088027
NIKOLAYEV SHIPYARD 61 445F CLASS GM CRUISER		465840N 0320019E	UR	S087735
NIKOLAYEV SHIPYARD NORTHERN 445F CL COMBATANT		465840N 0320019E	UR	S088639

25X1

25X1

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE	SUBJECT	IDHS CODE	COORD	COUN	ACCN NO.
	NIKOLAYEV SHIPYARD NORTHERN 445F CL COMBATANT		465840N 0320019E	UR	S088470
	BALAKLAVA SUBMARINE BASE/SHIP RPR YD G-5 SSB		443010N 0333554E	UR	S086234
	BALAKLAVA SUBMARINE BASE/SHIP RPR YD G-5 SSB		443010N 0333554E	UR	
	BALAKLAVA SUBMARINE BASE + SHIP REPAIR YARD		443010N 0333554E	UR	S088420
	BALAKLAVA SUBMARINE BASE + SHIP REPAIR YARD		443010N 0333554E	UR	
	BAKHCHISARAY ARMY BARRACKS AL1		444545N 0335151E	UR	S087866
	NIKOLAYEV NAVAL FLIGHT TRNG SCHOOL A/C SRCH		465750N 0315645E	UR	S086985
	KHERSON SHIPYARD		463647N 0323534E	UR	S087198
	HANU CONACHE AMMUNITION DEPOT 4		453513N 0273403E	RO	S087251
	KRIVOVY ROG ARMY BARRACKS AL1		475332N 0331915E	UR	S088785
	BALTA ARMY BARRACKS AL1		475640N 0293605E	UR	S087958
	NIKOLAYEVKA NAVAL XMTR/DF FAC STOVEPIPE/R-378		443401N 0332958E	UR	S087563
	ODESSA AIRCRAFT REPAIR BASE		462432N 0304211E	UR	S086408
	SEVASTOPOL NAVAL AMMUNITION STORAGE NE		443902N 0333657E	UR	S087368
	BEREZINO ARMY BARRACKS AL1 + SSM SUPPORT FAC		461342N 0291150E	UR	S087864
	BEREZINO ARMY BARRACKS AL1 + SSM SUPPORT FAC		461342N 0291150E	UR	
	YEVPARATORIYA DEEP SPACE TRACKING FACIL NORTH		451325N 0330955E	UR	S088052
	YEVPARATORIYA DEEP SPACE TRACKING FACIL SOUTH		451024N 0331518E	UR	
	KOTOVSK SAM SUPPORT FAC TWIN PAN RDO RELAY BN		474056N 0300018E	UR	S088226
	KOTOVSK SAM SUPPORT FAC TWIN PAN RDO RELAY BN		474056N 0300018E	UR	

25X1:1

25X1

	SIMFEROPOL SPACE FLIGHT CENTER ANT BLDG U/C		450326N 0335342E	UR	S088052
	ODESSA NAVAL BASE + SHIP REPAIR YARD		462947N 0304408E	UR	S089060
	ODESSA NAVAL BASE + SHIP REPAIR YARD		462947N 0304408E	UR	

TOP SECRET CHESS RUFF

25X1

25X1

TOP SECRET CHESS RUFF

25X1
25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

SIMFEROPOL ORDNANCE DEPOT SOUTH D01	445545N 0340613E	UR	S088612
KAGUL ARMY BARRACKS AL1 RESERVE EQUIP STORAGE	455345N 0281211E	UR	S087165
KRIVROY ROG ARMY BARRACKS AL2	475300N 0331450E	UR	S086258
KRIVROY ROG ARMY BARRACKS AL2	475300N 0331450E	UR	S088786
NIKOLAYEV/KULBAKINO A/C REPAIR BASE BEAR D/E	465507N 0320456E	UR	S087650
ODESSA ARMY BARRACKS SVRDLOVO AL12	463504N 0305608E	UR	S087267
ODESSA ARMY BARRACKS SVRDLOVO AL12	463504N 0305608E	UR	S088787
ODESSA MILITARY TRAINING AREA 1	463615N 0305730E	UR	S087267
DOBRQALEKSANDROVKA RADIO COMMO RCVR STA KGB	462010N 0303310E	UR	S086661
VOZNESENSK ORDNANCE DEPOT D01	473540N 0312008E	UR	S088614
NIKOLAYEV PORT FACILITIES SOUTH ARMS SHPMTS	464958N 0315659E	UR	S086107
NIKOLAYEV PORT FACILITIES SOUTH ARMS SHPMTS	464958N 0315659E	UR	
NIKOLAYEV PORT FACILS HORMONE KA-25 EXPORT	464958N 0315659E	UR	S085880
NIKOLAYEV PORT FACILS HORMONE KA-25 EXPORT	464958N 0315659E	UR	
NIKOLAYEV PORT FACILITIES SOUTH TRSHPMT ACT	464958N 0315659E	UR	S087975
NIKOLAYEV PORT FACILS SOUTH T-72 TK/MTLB APC	464958N 0315659E	UR	S087987
NIKOLAYEV PORT FACILS SOUTH T-72 TK/MTLB APC	464958N 0315659E	UR	
DONUZLAV OZERO AMPHIBIOUS/NAVAL INFANTRY BASE	452400N 0330730E	UR	S088095
DONUZLAV OZERO AMPHIBIOUS/NAVAL INF BASE EXER	452400N 0330730E	UR	S087745
SEVASTOPOL ORDNANCE DEPOT D02	443833N 0333544E	UR	S087246
SEVASTOPOL MILITARY SUPPLY DEPOT DX2	443232N 0333510E	UR	S087299
OCHAKOV NAVAL BASE	463700N 0313300E	UR	S087197
OCHAKOV NAVAL BASE	463700N 0313300E	UR	S088287

25X1

900

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT	IDHS CODE	COORD	COUN	ACCN NO.
SEVASTOPOL NAVAL INFANTRY INSTALLATION		443352N 0332500E	UR	S087564
CHERNOMORSKOYE NAVAL BASE		453056N 0324143E	UR	S087908
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	
SEVASTOPOL NAVAL SUPPORT FACILITY		443727N 0333235E	UR	S088094

25X1

BENDERY AVTOKOLONNA 2805		465010N 0292820E	UR	S086145
ODESSA AVTOKOLONNA 2212		463150N 0304341E	UR	S086146

25X1

KRIVROY ROG AVTOKOLONNA 2248		475335N 0331948E	UR	S086065
DONUZLAV OZERO NAVAL COASTAL DEF FORCE BASE		451930N 0325950E	UR	S087906
OKTYABRSKOYE AIRFIELD PRE-FLIGHT ACTIVITY		451930N 0340623E	UR	S086632
OKTYABRSKOYE AIRFIELD BLINDER TU-22		451930N 0340623E	UR	S087651
OKTYABRSKOYE AIRFIELD CHEMICAL DEFENSE EQUIP		451930N 0340623E	UR	S088371
OKTYABRSKOYE AIRFIELD CHEMICAL DEFENSE EQUIP		451930N 0340623E	UR	
SAKI AIRFIELD FORGER YAK-36		450530N 0333612E	UR	S085935
SAKI AIRFIELD STEAM LNCH CATAPULT FAC NEW U/C		450530N 0333612E	UR	S088278
SAKI AIRFIELD VTOL PAD EXTENSION IDENTIFIED		450530N 0333612E	UR	S088832
SAKI AIRFIELD STEAM LNCH CATAPULT FAC NEW U/C		450530N 0333612E	UR	S088831

25X1

TOP SECRET CHESS RUFF

25X1

25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

SAKI AIRFIELD CONSTRUCTION ACTIVITY		450530N 0333612E	UR	S088830
CHERVONO GLINSKOYE AIRFIELD FLAGON SU-15		455650N 0292239E	UR	S086720
CONSTANTA/MIHAIL KOGALNICEANU AFLD RSNB-4N		442131N 0282920E	RO	S086589
CONSTANTA/MIHAIL KOGALNICEANU AFLD A/C BKRS		442131N 0282920E	RO	S086507
BLAGOYEVO AIRFIELD AIRCRAFT/WEAPONS DISPLAY		465337N 0304151E	UR	S086094
BUCURESTI AEROSPACE RESEARCH INSTITUTE		442556N 0260020E	RO	S085777
PLOIESTI PETROLEUM REFINERY 1		445502N 0260135E	RO	S088048
PLOIESTI PETROLEUM REFINERY COLOMBIA AQUILA		445532N 0260013E	RO	
PLOIESTI PETROLEUM REFINERY TELEAJEN		445639N 0260420E	RO	
PLOIESTI PETROLEUM REFINERY CONCORDIA VEGA		445739N 0260132E	RO	
PLOIESTI PETROLEUM REFINERY BRAZI CREDITUL		445233N 0260101E	RO	
CIMPINA PETROLEUM REFINERY		450752N 0254415E	RO	
BRASOV PETROLEUM REFINERY		453920N 0253710E	RO	
[REDACTED]				
FAGARAS CHEMICAL + EXPLOSIVES PLANT 2		454838N 0245848E	RO	S088434
FAGARAS CHEMICAL + EXPLOSIVES PLANT 1		454838N 0245848E	RO	
DARMANESTI PETROLEUM REFINERY		462135N 0262628E	RO	S088048
HODMEZOVASARHELY ARMY BARRACKS 1 MRR MOV PREP		462413N 0201913E	HU	S085892
BACAU AIRFRAME PLANT		463120N 0265510E	RO	S087122
ORKENY ARMY BARRACKS TABOR 1		470503N 0192716E	HU	S087264
GHEORGHE GHEORGHIU DEJ PETROLEUM REFINERY		461511N 0264914E	RO	S088048
BACAU AIRCRAFT REPAIR BASE IRAV		463122N 0265500E	RO	S089012
ORASTIE AMMUNITION DEPOT 502		455012N 0231002E	RO	S087223

25X1

25X1

25X1

25X1
25X1

902

TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

PLOPENI AMMUNITION DEPOT NORTH

450455N 0255911E RO S087240

25X1

PITESTI PETROLEUM REFINERY
SUPLACU DE BARCAU PETROLEUM REFINERY

444749N 0245600E RO S088048
471625N 0223235E RO

25X1

BUCURESTI AIRCRAFT ENGINE PLANT

442556N 0260002E RO S085823

BATAJNICA AIRFIELD AIRCRAFT BUNKERS

445630N 0201500E YO S086643

BATAJNICA AIRFIELD RSBN-4N ILS

445630N 0201500E YO S087888

BATAJNICA AIRFIELD AIRCRAFT SUDANESE

445630N 0201500E YO S088080

DEBRECEN AIRFIELD AIRCRAFT BUNKERS

472919N 0213710E HU S086459

KUNMADARAS AIRFIELD AIRCRAFT BUNKERS

472324N 0204659E HU S086529

KUNMADARAS AIRFIELD FLAT FACE B RADAR IDENT

472324N 0204659E HU S087886

KISKUNLACHAZA AIRFIELD AIRCRAFT BUNKERS

471041N 0190426E HU S086521

KISKUNLACHAZA AIRFIELD FLOGGER MIG-23 A/C

471041N 0190426E HU S087524

TAPIOSZENTMARTON AIRFIELD DUMMY FISHBED
TAPIOSZENTMARTON AIRFIELD DUMMY FISHBED

471835N 0194640E HU S087655
471835N 0194640E HU

SZOMBATHELY AMMUNITION DEPOT KOSZE 501

472008N 0163550E HU S087002

SZOMBATHELY AMMUNITION DEPOT KOSZEQ 501

472008N 0163550E HU S087171

25X1

FUZFUGYARTELEP CHEMICAL PLANT NITROKEMIA

470456N 0180148E HU S088232

DEVECSER AMMUNITION DEPOT MEGYES ERDO 501 PUG

470502N 0172407E HU S086296

ESZTERGOM ARMY BARRACKS + HQ 201/202/203

474459N 0184408E HU S088758

KALOCSA ARMY BKS JURANOVICE MIKLOS 2 CONVOY

463201N 0185800E HU S085893

25X1

25X1

903

TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

SZOMBATHELY ARMY BARRACKS 203		471437N 0163730E	HU	S088759
MARCALI ARMY BARRACKS HUNYADI JANOS 1		463500N 0172450E	HU	S088177
GYOR ARMY BARRACKS RAKOCZY 201		474050N 0173822E	HU	S088760
ZALAEGRSZEG AMMUNITION STORAGE FACILITY 504		465137N 0165054E	HU	S087172

25X1

25X1

GYOR ARMY BARRACKS DOBI ISTVAN 25		474233N 0174103E	HU	S087266
GYOR ARMY BARRACKS DOBI ISTVAN 25		474233N 0174103E	HU	S088178
ZALAEGRSZEG AMMUNITION STORAGE FACILITY 505		465410N 0165158E	HU	S087173
PECS AMMUNITION STORAGE FACILITY 503 SW		460150N 0181020E	HU	S087169
BUDAPEST MILITARY BARRACKS POLICE ACADEMY 20		473117N 0185945E	HU	S088106
GYOR AMMUNITION STORAGE FACILITY 501		474202N 0174230E	HU	S087174
ZAGREB AIRFIELD AIRCRAFT BUNKERS		454435N 0160413E	YO	S086647
CERKLJE AIRFIELD AIRCRAFT BUNKERS		455401N 0153155E	YO	S086566
PULA AIRFIELD AIRCRAFT BUNKERS		445340N 0135520E	YO	S086641
ZADAR AIRFIELD AIRCRAFT BUNKERS		440552N 0152124E	YO	S086567
BUDAPEST/TOKOL AIRFIELD AIRCRAFT BUNKERS		472042N 0185852E	HU	S086457
TAPOLCA AIRFIELD DUMMY FISHBED		465215N 0172435E	HU	S087260
TAPOLCA AIRFIELD DUMMY FISHBED		465215N 0172435E	HU	
SARMELLEK AIRFIELD AIRCRAFT BUNKERS		464124N 0170929E	HU	S086522
FOKTO AIRFIELD		463314N 0185636E	HU	S085744
TUZLA AIRFIELD AIRCRAFT BUNKERS		442730N 0184330E	YO	S086565
BIHAC AIRFIELD		445103N 0154601E	YO	S088496

904

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE SUBJECT IDHS CODE COORD COUN ACCN NO.

25X125X1

BUREVESTNIK AIRFIELD	445504N 1473743E	UR	S087105
GOLOVNINO ARMY BARRACKS KURIL OSTROV NEW	434530N 1453014E	UR	S085785
KUNASHIR GEOTHERMAL POWER STATION	435939N 1454752E	UR	S087560
KORSAKOV NAVAL BASE	463801N 1424551E	UR	S087014
YUZHNO SAKHALINSK MILITARY BKS AL1 + HQ MRD	465904N 1424516E	UR	S087183
KHOMUTOVO ARMY BARRACKS AL1	465256N 1424550E	UR	S088402
LISTVENICHNOYE TACTICAL SSM BARRACKS AL1	465149N 1424627E	UR	S088353
DACHNOYE MILITARY BKS AL1 + HQ ARTY MRL U/I	464412N 1424520E	UR	S088131
YUZHNO SAKHALINSK ARMY BKS AL9/TRNG AREA TA1	465600N 1423700E	UR	S087182
YUZHNO SAKHALINSK ARMY BKS AL9/TRNG AREA TA1	465600N 1423700E	UR	
DOLINSK/SOKOL AIRFIELD FLAGON SU-15 COUNTS	471536N 1424617E	UR	S086828
BOGOSLAVETS BOMBING RANGE INACTIVE	454840N 1343910E	UR	S086315
BOGOSLAVETS BOMBING RANGE/SIMULATED AFLD SRCH	454840N 1343910E	UR	S087372
ARSENYEV TV BROADCASTING CENTER	440640N 1332045E	UR	S087778
LESOZAVODSK RADIO RELAY STATION	452730N 1332530E	UR	
OZERNOYE RADIO RELAY STATION	444500N 1333730E	UR	
KHORUL AIRFIELD EAST EW RADAR SITE	442630N 1320550E	UR	S085959
KHORUL AIRFIELD EAST GCA SITE	442650N 1320743E	UR	
ARSENYEV AIRFRAME PLANT 116 CONST SUMMARY	440859N 1331523E	UR	S086305
ARSENYEV AIRFRAME PLANT 116	440859N 1331523E	UR	S087412
ARSENYEV AIRFRAME PLANT 116 HIND D WPN STORES	440859N 1331523E	UR	S087739

905

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

ARSEN'YEV AIRFRAME PLANT 116 HIND D MI-24	440859N 1331523E	UR	S088342
KHOROL ASM STORAGE SITE	442637N 1321156E	UR	S085959
BARANO ORENBURGSKOYE ARMY BKS AL1 MRD RELOC	442145N 1312710E	UR	S087553
GALENKI ESV TRACKING/MOLNIYA FACIL DISH ANT	440130N 1314545E	UR	S086083
GALENKI ESV TRACKING/MOLNIYA FACILITY	440130N 1314545E	UR	S087778
GALENKI ESV TRACKING/MOLNIYA FACILITY	440130N 1314545E	UR	S088052
CHERNYSHEVKA ARMY BARRACKS AL1/EQUIPMENT STGE	441213N 1330919E	UR	S086002
CHERNYSHEVKA ARMY BARRACKS AL1/EQUIPMENT STGE	441213N 1330919E	UR	
CHERNYSHEVKA ARMY BARRACKS AL1/EQUIPMENT STGE	441208N 1330920E	UR	S088034
CHERNYSHEVKA ARMY BARRACKS AL1/EQUIPMENT STGE	441208N 1330920E	UR	
TETYUKHE PRISTAN NONFERROUS METALS PLANT	442225N 1354925E	UR	S085663
KHOROL AMMUNITION STORAGE DEPOT DA1 EAST	442800N 1320420E	UR	S088877
VARFOLOMEYEVKA ARMY BARRACKS AL1	441608N 1332402E	UR	S086721
ARSEN'YEV ARMY BARRACKS AL1	440739N 1331649E	UR	S088103
GALENKI SPACE TRACKING FACILITY NORTH	440340N 1314015E	UR	S088052
BIKIN TANK STORAGE DEPOT D01	465010N 1341230E	UR	S088368
ARSEN'YEV MILITARY VEHICLE STORAGE DEPOT D01	441330N 1332050E	UR	S088261
VASSIANOVKA AMMUNITION DEPOT DA1	440910N 1323920E	UR	S088909
ARSEN'YEV MILITARY STORAGE DEPOT DX1	441050N 1332103E	UR	S087892

25X1

25X1

SPASSK DALNIY ARMY BARRACKS AL4	443540N 1325310E	UR	S087779
TETYUKHE NONFERROUS METALS PLANT	443310N 1353520E	UR	S085663
KHOROL SNA COMMAND POST EAST BUNKER SW	442600N 1320710E	UR	S085959

906

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT	IDHS CODE	COORD	COUN	ACCN NO.
KHOROL SNA COMMAND POST EAST BUNKER SE		442630N 1320840E	UR	
KAVALEROVO/LIFUDZIN AIRFIELD POL STGE CPCTY		441555N 1350230E	UR	S086426
VARFOLOMEYEVKA AIRFIELD SOUTH FISHBED/FOXBAT		441554N 1332508E	UR	S087284
VARFOLOMEYEVKA AIRFIELD SW REPAIR HANGAR		441648N 1332441E	UR	S087080
VERINO AIRFIELD FLAGON AIRCRAFT COUNTS		475949N 1350516E	UR	S086251
KHOROL AIRFIELD EAST		442650N 1320743E	UR	S085959
KHOROL AIRFIELD EAST BISON AIRCRAFT		442650N 1320743E	UR	S087533
LASTUCHKA AIRFIELD BADGER TU-16 DEPLOYMENT		462326N 1340612E	UR	S086348
CHIUTAI ARMY BARRACKS SE AL2		440710N 1255700E	CH	S086578
CHICHIHAERH ARMS + AMMUNITION PARTS PLANT 127		472003N 1235832E	CH	S086481
CHICHIHAERH RAILROAD LOCOMOTIVE + CAR MFG PLT		472050N 1240046E	CH	S087515
HAERHPIN RAILROAD LOCOMOTIVE + CAR MFG PLANT		454551N 1263545E	CH	
CHIAMUSSU ALUMINUM PLANT		464820N 1301710E	CH	S088444
TUNGHO ARMS PLANT WANPAOTUN SOUTH		462021N 1282149E	CH	S088100
CHICHIHAERH/SANCHIATZU AIRFIELD HANGARETTES		471418N 1235505E	CH	S087743
PAICHENG ARMY BARRACKS NORTH ALS		453910N 1225015E	CH	S086582
PAICHENG MUNITIONS TEST CPLX MRL TRACKED NEW		454431N 1223859E	CH	S085970
PAICHENG MUNITIONS TEST COMPLEX MRL NEW IDENT		454431N 1223859E	CH	S087206
ULAAN UUL MILITARY TRNG AREA JOINT TRNG EXER		443051N 1111151E	MG	S086696
SUMBER SUMA MILITARY CAMP SE MRD IDENTIFIED		460729N 1083619E	MG	S087744
SUMBER SUMA MILITARY CAMP SE GROUND UNITS NEW		460729N 1083619E	MG	S088468
BAYNDELGER MILITARY GARRISON 12TH MRD POSS		474957N 1082321E	MG	S088002

25X1

907

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT	IDHS CODE	COORD	COUN	ACCN NO.
SAYNSHAND ARMY BARRACKS AL1 MRR DEPARTURE		445300N 1100850E	MG	S088213
SUMBER SUMA MILITARY BKS AL1 MT-LB SAM TEL		462048N 1082410E	MG	S086688
SUMBER SUMA MILITARY BKS AL1 MT-LB SAM TEL		462048N 1082410E	MG	
SUMBER SUMA MILITARY BKS AL1 MT-LB SAM SYSTEM		462048N 1082410E	MG	S087484
SUMBER SUMA MILITARY BKS AL1/MRD/HQ GRND UNIT		462048N 1082410E	MG	S088468
SAYNSHAND ARMY BKS AL2 RECON BN DEPARTURE		445345N 1100605E	MG	S088213
NALAYH AMMUNITION STORAGE DEPOT		472912N 1071909E	MG	S087899
SUMBER SUMA MILITARY STORAGE DEPOT DX1		462250N 1082215E	MG	S087252
BAYAN SUMA AMMUNITION STORAGE DEPOT DA1		471430N 1072900E	MG	S087677
ULAANBAATAR AMMUNITION DEPOT DA1		475540N 1070315E	MG	S087239
SUMBER SUMA TROPO STATION TWIN DISH ANT SRCH		4624 N 10823 E	MG	S086533
BAYAN SUMA AIRFIELD FISHBED MIG-21 IDENT		472200N 1072721E	MG	S086203
SUMBER AIRFIELD ADV-1 RPV SYSTEM IDENTIFIED		462300N 1082330E	MG	S087981
ARVAYHEER HELIPORT CURL AN-26/CRATE IL-14		462100N 1025000E	MG	S086698
ARVAYHEER HELIPORT		462100N 1025000E	MG	S087954
ULAANBAATAR MOTOR PARK WEST		475430N 1064630E	MG	S087304
ULAANBAATAR ARMY BARRACKS SW AL5 D-30 IDENT		475035N 1064040E	MG	S088411
ULAANBAATAR ARMY BARRACKS SW AL4 D-30 IDENT		474652N 1063615E	MG	
ULAANBAATAR TROPO STATION TWIN DISH ANT SRCH		475924N 1065810E	MG	S086533
ARVAYHEER ARMY BKS AL1 RSV EQUIP ACTIVATED		462200N 1024800E	MG	S086698
ARVAYHEER ARMY BARRACKS AL1		462200N 1024800E	MG	S088104
ARVAYHEER ARMY BARRACKS AL1 MRD ORIGINS		462200N 1024800E	MG	S088354
MANDALGOVI MILITARY INSTALLATION MRD MBLZTN		454459N 1061443E	MG	S086697

25X1

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1
25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

MANDALGOVI MILITARY INSTALLATION MRD CONVOY	454459N 1061443E	MG	S086874
MANDALGOVI GROUND FORCES EXERCISE SOVIET	454459N 1061443E	MG	S087451
MANDALGOVI ARMY BARRACKS AL1	454400N 1061750E	MG	S088176
MANDALGOVI MILITARY INSTL GRND FORCE EXER SOV	454459N 1061443E	MG	S087705
MANDALGOVI ARMY BARRACKS AL1 MRD ORIGINS	454400N 1061750E	MG	S088354
MANDALGOVI MILITARY INSTL GRND FORCE EXER SOV	454459N 1061443E	MG	S087705
HSIMIAO ARMY BARRACKS AL1	410120N 1001312E	CH	S086538
SHUANGCHENGTZU ARMY BARRACKS AL1	410650N 1001650E	CH	S086541
SHUANGCHENGTZU WEAPONS POSITIONS	420318N 1012212E	CH	S086548
SHUANGCHENGTZU MTC SSM SITE A ELCT EQUIPMENT	411653N 1001816E	CH	S086789
SHUANGCHENGTZU MTC ICBM SITE B1/2 LAUNCH PREP	411828N 1001854E	CH	S086896
SHUANGCHENGTZU MTC ICBM PAD B2 AZIMUTH MARKER	411828N 1001854E	CH	S087273
SHUANGCHENGTZU MTC ICBM SITE B1/2 ELCT EQUIP	411828N 1001854E	CH	S086789
SHUANGCHENGTZU MTC TEST SITE B1/2 RAILCARS	411828N 1001854E	CH	S087421
SHUANGCHENGTZU MTC ICBM SITE B1/2 LNCH STAND	411828N 1001854E	CH	S087590
SHUANGCHENGTZU MTC TEST SITE B1/2 RAILCARS	411828N 1001854E	CH	S087421
SHUANGCHENGTZU MTC ICBM SITE B1/2 LAUNCH PREP	411828N 1001854E	CH	S087690
SHUANGCHENGTZU MTC ICBM SITE B1/2 AZIMUTH	411828N 1001854E	CH	S087112
SHUANGCHENGTZU MTC ICBM SITE B1/2 SERVICE TWR	411828N 1001854E	CH	S087588
SHUANGCHENGTZU MTC ICBM SITE B1/2	411828N 1001854E	CH	S087596
SHUANGCHENGTZU MTC ICBM SITE B1/2 MENSURATION	411828N 1001854E	CH	S087578
SHUANGCHENGTZU MTC ICBM SITE B1/2 SERVICE TWR	411828N 1001854E	CH	S087589

25X1

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1
ZSAI

WAC/bE

SUBJECT	IDHS CODE	COORD	COUN	ACCN NO.
SHUANGCHENG TZU MTC ICBM SITE B1/2 LAUNCH PREP		411828N 1001854E	CH	S087930
SHUANGCHENG TZU MTC ICBM SITE B2 SVC PLATFORMS		411828N 1001854E	CH	S088113
SHUANGCHENG TZU MTC ICBM SITE B1/2 LAUNCH PREP		411828N 1001854E	CH	S087979
SHUANGCHENG TZU MTC ICBM SITE B1/2 CSS-X-4 ACT		411828N 1001854E	CH	S087466
SHUANGCHENG TZU MTC SSM/SAM ASBLY/CHECKOUT FAC		410613N 1001647E	CH	S087421
SHUANGCHENG TZU MTC RANGEHEAD RECEIVER		405507N 1000830E	CH	S088522
SHUANGCHENG TZU MTC RANGEHEAD TRANSMITTER		410917N 1001800E	CH	
SHUANGCHENG TZU SPECIAL DEFENSE MOUND 1		421851N 1010654E	CH	S086550
SHUANGCHENG TZU SPECIAL DEFENSE MOUND 2		415310N 1003327E	CH	S086546
SHUANGCHENG TZU SPECIAL DEFENSE MOUND 3		415610N 1010140E	CH	S086547
SHUANGCHENG TZU SPECIAL DEFENSE MOUND 4		414323N 1002727E	CH	S086545
SHUANGCHENG TZU SPECIAL DEFENSE MOUND 5		414557N 1004208E	CH	S086544
SHUANGCHENG TZU SPECIAL DEFENSE MOUND 6		420703N 1005405E	CH	S086549
SHUANGCHENG TZU SPECIAL DEFENSE MOUND 8		402546N 0995046E	CH	S086539
SHUANGCHENG TZU ARMY BARRACKS AL2		410631N 1002025E	CH	S086542
SHUANGCHENG TZU DEFENSIVE STRONGPOINT		411613N 1002013E	CH	S086543
HSIMIAO ARMY BARRACKS AL2		410025N 1001310E	CH	S086540
OCHINACHI DEFENSIVE STRONGPOINT		422040N 1011400E	CH	S086551
SHUANGCHENG TZU MILITARY AREA		4130 N 10030 E	CH	S086537
SHUANGCHENG TZU AIRFIELD AAM IDENTIFIED		402359N 0994731E	CH	S088419
SHUANGCHENG TZU AIRFIELD AAM IDENTIFIED		402359N 0994731E	CH	
SHUANGCHENG TZU MTC ICBM/SAT LAUNCH INDICATORS		410800N 1001500E	CH	S086376
SHUANGCHENG TZU MTC ICBM/SAT LAUNCH INDICATORS		410800N 1001500E	CH	

25X1

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT	IDHS CODE	COORD	COUN	ACCN NO.
SHUANGCHENG TZO MTC ICBM/SAT LAUNCH INDICATORS	410800N	1001500E	CH	5088273
SHUANGCHENG TZO MTC ICBM/SAT LAUNCH INDICATORS	410800N	1001500E	CH	
TATUNG LOCOMOTIVE + DIESEL ENGINE PLANT 616	400417N	1131458E	CH	5087515
PAOTOU NUCLEAR ENERGY FACILITY	403938N	1095821E	CH	5086616
HUHOHAOTE SOLID PROPELLANT COMPLEX	404414N	1115740E	CH	5088162
PAINIUCHUN TACTICAL RKT + DBL BASE PRPLNT PLT	404300N	1190800E	CH	5086330
TUNGLIAO ARMY BARRACKS SW AL7	433520N	1221415E	CH	5086581
HAICHENG ARMY BARRACKS NNE AL7	405148N	1224519E	CH	5086574
CHINCHOU MILITARY AREA 2	4107 N	12111 E	CH	5086553
HULUTAO NAVAL BASE + SHIPYARD EXPANSION	404309N	1205939E	CH	5086324
HULUTAO NAVAL BASE + SHIPYARD EXPANSION	404309N	1205939E	CH	
CHINCHOU MILITARY BARRACKS AL5 + HQ ARTY DIV	410744N	1211059E	CH	5086554
PEICHING SYNTHETIC FIBER PLANT	401250N	1163840E	CH	5086824
HUAIJOU MISSILE PROPULSION R+D FACILITY	402424N	1164027E	CH	5088334
PEICHEN ARMY BARRACKS AL1	413607N	1214655E	CH	5086555
HEISHAN ARMY BARRACKS AL1	414115N	1220640E	CH	5086556
CHIUFENGJUN MRBM FIELD POSITION MSL HDLG EXER	401131N	1181107E	CH	5087722
FOUSHIN AIRFIELD 2	420446N	1213934E	CH	5085779
CHINHSI SSM R+D TEST CPLX CSA-X-2 TEST ACT	404126N	1205309E	CH	5087121
CHINHSI SSM R+D TEST COMPLEX EQUIPMENT U/I	404126N	1205309E	CH	5088004
PANSHIH ARMY BARRACKS SOUTH AL2	425150N	1260250E	CH	5086561
TANCHON RADIO RELAY STATION POSS	403322N	1290040E	KN	5088130
HWANGSUWON MILITARY BKS + TRNG AREA ARMOR DPL	403300N	1275200E	KN	5086887

25X1

911

TOP SECRET CHESS RUFF

25X1

25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

HWANGSUWON MILITARY BKS + TRNG AREA ARMOR DPL	403300N	1275200E	KN	
HWANGSUWON MILITARY BARRACKS + TRAINING AREA	403300N	1275200E	KN	S086880
HWANGSUWON MILITARY BARRACKS + TRAINING AREA	403300N	1275200E	KN	
PYORHA RI RADIO RELAY STATION R-600	404600N	1265600E	KN	S088127
OCHONJANG RADIO RELAY STATION R-600	405445N	1284503E	KN	S088126
KUNSON AIRFIELD U/C	402130N	1284300E	KN	S087519
HAILUNG ARMY BARRACKS WEST AL3	423847N	1254839E	CH	S086560
PANSHIH MILITARY AREA 1	4256 N	12604 E	CH	S086557
CHANGCHUN MILITARY AREA 3	4353 N	12519 E	CH	S086575
LIAOYANG MILITARY AREA 1	4116 N	12310 E	CH	S086572
SSUPING MILITARY AREA 1	4310 N	12420 E	CH	S086579
CHINGYU MTC ELECTRONICS AREA 1	421920N	1265320E	CH	S085763
CHINGYU MTC ELECTRONICS AREA 2	421935N	1265555E	CH	
CHINGYU MTC HOUSING + SUPPORT FACILITY SOUTH	4217 N	12653 E	CH	
CHINGYU MTC HOUSING + SUPPORT FACILITY NORTH	4217 N	12653 E	CH	
CHINGYU MTC SSM TEST LAUNCH SITE POSS U/C	421755N	1265231E	CH	
CHINGYU MTC SSM R+D/TRNG SITE B CSS-3 IDENT	421755N	1265231E	CH	S088544
CHINGYU MTC SSM R+D/TRNG SITE B CSS-3 ERECTOR	421755N	1265231E	CH	S088642
CHINGYU MTC SSM TEST LNCH SITE POSS CSS-3 GSE	421755N	1265231E	CH	S088441
NAMDAE CHON MILITARY CONSTRUCTION ACTIVITY	402530N	1282500E	KN	S087679
SHENYANG AIRFRAME PLANT 112 FARMER F F-9 PROD	415208N	1232600E	CH	S087027
SHENYANG AIRFRAME PLANT 112 FARMER MODIFIED	415208N	1232600E	CH	S087024
SHENYANG AIRFRAME PLANT 112 HSIAO A	415208N	1232600E	CH	S087694
SHENYANG AIRFRAME PLANT 112 FLOGGER MIG-23	415208N	1232600E	CH	S087693

25X1

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

SHENYANG AIRFRAME PLANT 112 FLOGGER EGYPTIAN	415208N 1232600E	CH	S088332
SHENYANG AIRCRAFT ENGINE PLANT 410	414740N 1232950E	CH	S086138
SHENYANG RAILROAD CAR MFG + RPR PLANT HUANGKU	414912N 1232230E	CH	S087515
CHANGCHUN MOTOR VEHICLE PLANT	435054N 1251440E	CH	S088343
SSUPING MILITARY BKS AL1/HQ ANTITANK ARTY DIV	431024N 1242105E	CH	S086580
LIAOYANG ARMY BARRACKS AL2 + HQ ARTILLERY DIV	411443N 1230827E	CH	S086573
CHANGCHUN RAILROAD CAR MANUFACTURING PLANT	435420N 1251741E	CH	S087515
HUINAN ARMY BARRACKS WEST AL1	424103N 1255943E	CH	S086559
PANSHIH ARMY BARRACKS SE AL1 + HQ ARTY DIV	425604N 1260424E	CH	S086558
CHANGCHUN MILITARY BKS SE AL2/HQ ANTI-TK ARTY	435145N 1252515E	CH	S086576
NAJIN SHIPYARD 28 HANTAE CL LSM SERIES PROD	421416N 1301748E	KN	S087363
KUSONG TANK PLANT PUG	400318N 1251320E	KN	S088644
SSUPING ARMY BARRACKS EAST AL5 TANK TRSHPMT	430656N 1244257E	CH	S086471
SINPO SHIPYARD SOUTH	400112N 1280954E	KN	S088765
CHINGYU MTC ICBM TEST SITE	421712N 1265255E	CH	S085763
CHINGYU MTC ICBM SITE CSS-3 PRE-LNCH ACT PROB	421712N 1265255E	CH	S088010
CHINGYU MTC SSM SUPPORT FACILITY	421658N 1265314E	CH	S085763
CHINGYU MTC SSM SUPPORT FAC CSS-3 TRANSPORTER	421658N 1265314E	CH	S088642
CHANGCHUN SSM/SPACE TRACKING FACILITY	434345N 1253205E	CH	S086958
CHANGCHUN SSM/SPACE TRACKING FACILITY	434345N 1253205E	CH	S086922
CHINGYU MTC SSM HEADQUARTERS GENERAL	421853N 1265430E	CH	S085763
HWANGSUWON NI MILITARY BKS/INF REGT ARMOR DPL	403750N 1275450E	KN	S086887

25X1
25X1

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1
25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

HWANGSUWON NI MILITARY BKS/INF REGT AREA B SW	403750N 1275450E	KN	S086880
HWANGSUWON NI MILITARY BKS/INF REGT ARMOR DPL	403750N 1275324E	KN	S086887
HWANGSUWON NI MILITARY BKS/INF REGT AREA C SW	403750N 1275824E	KN	S086880
HWANGSUWON NI MILITARY BKS/INF REGT AREA E SW	403157N 1275236E	KN	S086880
HWANGSUWON NI MILITARY BKS AREA E RENOVATION	403157N 1275236E	KN	S086877
PAENGMA RI PETROLEUM REFINERY OPERATIONAL	400420N 1243245E	KN	S086104
PAENGMA RI PETROLEUM REFINERY	400420N 1243245E	KN	S086085
PAENGMA RI PETROLEUM REFINERY	400420N 1243245E	KN	S086326
HWANGSUWON NI MILITARY BKS/INF REGT AREA D SW	403345N 1275310E	KN	S086880
HSINGLUNGSAN ARMY BARRACKS AL1	435710N 1252840E	CH	S086577
SINPO MAYANG DO NAVAL FACILITIES APPROACHES	3980 N 12811 E	KN	S088764
CHIAOHO AIRFIELD	434851N 1273028E	CH	S086235
TUNGHUA SSM COMPLEX	412833N 1260828E	CH	S088154
TUNGHUA SSM COMPLEX	412833N 1260828E	CH	S088156
TUNGHUA SSM COMPLEX	412833N 1260828E	CH	S088155
CHINGYU MTC	421705N 1265320E	CH	S085763
CHINGYU MTC	421705N 1265320E	CH	S086013
VLADIVOSTOK ECM FACILITY SE DO-EL-01 ANTENNA	430615N 1315750E	UR	S086073
SHKOTOVO RADIO COMMUNICATIONS RCVR STA KGB	432020N 1322120E	UR	S086661
SHKOTOVO RADIO COMMUNICATIONS XMTR STA KGB	431720N 1322120E	UR	S086661
OSINOVKA RADIO RELAY STATION EAST	435900N 1322125E	UR	S087778
VLADIVOSTOK SUBMARINE BASE ULISA GUBA G CLASS	430449N 1315506E	UR	S087285
VLADIVOSTOK NAVAL BASE + REPAIR YARD DIOMID	430530N 1315340E	UR	S087187

25X1

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

VLADIVOSTOK NAVAL BASE + REPAIR YARD DIOMID		430530N 1315340E	UR	
SMOLYANINOV0 ARMY BARRACKS AL1 MRD DEPARTURE		431806N 1322816E	UR	5087286
ABREK GUBA NAVAL BASE PROMYSLOVKA KARA CL C6		425608N 1322515E	UR	5088257
PETROVKA NAVAL BASE/SHPYD V-3 SSGN FITTING-OUT		430703N 1322017E	UR	5087407
PETROVKA NAVAL BASE/SHPYD V-3 SSGN FITTING-OUT		430703N 1322017E	UR	
PETROVKA NAVAL BASE + SHPYD E-2 SSGN OVERHAUL		430703N 1322017E	UR	5087430
PETROVKA NAVAL BASE + SHPYD E-2 SSGN OVERHAUL		430703N 1322017E	UR	
PETROVKA NAVAL BASE + SHPYD Y SSGN DISMANTLED		430703N 1322017E	UR	5088148
PETROVKA NAVAL BASE + SHPYD Y SSGN DISMANTLED		430703N 1322017E	UR	
PETROVKA NAVAL BASE + SHIPYARD		430703N 1322017E	UR	5088389
PETROVKA NAVAL BASE + SHIPYARD		430703N 1322017E	UR	
PETROVKA NAVAL BASE + SHPYD Y SSGN DISMANTLED		430703N 1322017E	UR	5088542
PETROVKA NAVAL BASE + SHPYD Y SSGN DISMANTLED		430703N 1322017E	UR	
DUNAY NAVAL MISSILE STORAGE SS-N-18 TRANS		425610N 1322015E	UR	5085891
DUNAY SUBMARINE BASE + SHIP REPAIR YARD EXPSN		425400N 1322110E	UR	5086302
DUNAY SUBMARINE BASE + SHIP REPAIR YARD EXPSN		425400N 1322110E	UR	
DUNAY SUBMARINE BASE + SHIP RPR YD UPGRADING		425400N 1322110E	UR	5087117
DUNAY SUBMARINE BASE + SHIP RPR YD UPGRADING		425400N 1322110E	UR	
USSURIYSK MILITARY TRNG WEST 1 STRAFING RANGE		434500N 1313200E	UR	5086315
USSURIYSK MILITARY TRNG WEST 1 STRAFING RANGE		434500N 1313200E	UR	
USSURIYSK TV RELAY STATION SEARCH		4348 N 13157 E	UR	5087778
POKROVKA RADIO RELAY + RADCOM XMTR STATION		435700N 1314032E	UR	
VLADIVOSTOK TV TRANSMITTER STATION 1		430704N 1315501E	UR	5086727
VLADIVOSTOK RADIO/TV BROADCAST STUDIO CENTER		430657N 1315340E	UR	
VLADIVOSTOK RADIO/TV BROADCAST STUDIO CENTER		430657N 1315340E	UR	
VLADIVOSTOK NAVAL INFANTRY INSTALLATION 1		430910N 1315830E	UR	5087188
STRELOK ZALIV NAVAL MISSILE STORAGE 2		425331N 1323327E	UR	5087012

25X1

915

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC/bE

SUBJECT	IDHS CODE	COORD	COUN	ACCN NO.
SLAVYANKA SHIP REPAIR YARD		425200N 1312326E	UR	S087189
ARTEM AMMUNITION STORAGE DEPOT DA2		432010N 1321140E	UR	S088352
USSURIYSK AIRFIELD SE ADV-1 DEPLOYMENT		434500N 1320035E	UR	S086240
ROMANOVKA AIRFIELD WEST FORGER YAK-36 IDENT		431431N 1321930E	UR	S087973
ANAMA ARMY BARRACKS		435000N 1464600E	UR	S088288
TIVAT NAVAL BASE + SHIPYARD		422605N 0184145E	YO	S088286
TIVAT NAVAL BASE + SHIPYARD		422605N 0184145E	YO	
MOSTAR AIRFRAME PLANT SOKO		431840N 0174808E	YO	S088913
SARAJEVO AIRCRAFT ENGINE PLANT RAJLOVAC		435243N 0181755E	YO	S084316
STANKE DIMITROV MILITARY TRAINING AREA		421810N 0231200E	BU	S088059
TOPOLOVGRAD ECM FACILITY PIE DISH ELINT EQUIP		415930N 0251940E	BU	S087995
BERAT/STALIN AIRFIELD EW RADAR FACILITY		404700N 0195400E	AL	S088701
FIER EW RADAR FACILITY		404400N 0193100E	AL	
GIURGIU PORT COMPLEX		435318N 0255839E	RO	S087612
[REDACTED]				
DURRES PORT FACILITIES EXPANSION ACTIVITY		411833N 0192716E	AL	S088621
CERRIK PETROLEUM REFINERY		410216N 0195810E	AL	S088271
SARANTSI AMMUNITION DEPOT ENE 503		424434N 0234823E	BU	S087398
NOVA ZAGORA ARMY BARRACKS 1 SA-6 REGT IDENT		422953N 0255954E	BU	S086340
KHARMANLI AMMUNITION STORAGE DEPOT WNW 503		415630N 0255140E	BU	S087248
RUSE PETROLEUM REFINERY LEON TADZHER		435208N 0255917E	BU	S088684
STALIN PETROLEUM REFINERY		404817N 0195435E	AL	S088271

25X1

25X1

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

STALIN PETROLEUM REFINERY	404817N 0195435E	AL	S088621
KRUMOVGRAD AMMUNITION STORAGE DEPOT NNW	412918N 0253808E	BU	S087247
CHIRPAN AMMUNITION DEPOT SE 502	421200N 0252100E	BU	S087160
SLIVEN AMMUNITION DEPOT 515	423931N 0261812E	BU	S087438
SLIVNITSA AMMUNITION DUMP ALDOMIROVTSI NE	425200N 0230020E	BU	S087439
POPOVITSA AMMUNITION DEPOT SOUTH 501	420737N 0250322E	BU	S088031
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
SHUMEN AMMUNITION STORAGE FACILITY 515	431704N 0265653E	BU	S087616
FIER NITROGEN FERTILIZER PLANT	404225N 0193305E	AL	S088621
LAC CHEMICAL + COPPER PLANT	413942N 0194208E	AL	
PLEVEN PETROLEUM REFINERY YASEN	432424N 0242916E	BU	S088684
VLORE CHEMICAL FERTILIZER PLANT	402825N 0192713E	AL	S088621
FIER PETROLEUM REFINERY	404220N 0193306E	AL	S088271
FIER PETROLEUM REFINERY	404220N 0193306E	AL	S088621
KHASKOVO AMMUNITION DEPOT	415255N 0253240E	BU	S087250

25X1

BALLESH PETROLEUM REFINERY	403615N 0194535E	AL	S088271
BALLESH PETROLEUM REFINERY	403615N 0194535E	AL	S088621
BALLESH PETROLEUM REFINERY	403615N 0194535E	AL	S088701
KALOYANOVETS AMMUNITION STORAGE FACILITY	422010N 0253410E	BU	S087225

25X1

917

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1
25X1

WAC/BE

SUBJECT	IDHS CODE	COORD	COUN	ACCN NO.
RAZLOG AMMUNITION STORAGE FACILITY	415330N	0232710E	BU	S087617
BERAT/STALIN AIRFIELD AIRCRAFT BUNKERS	404625N	0195405E	AL	S086570
GRAF IGNATIEVO AIRFIELD AIRCRAFT BUNKERS	421732N	0244249E	BU	S086530
SLIVEN AIRFIELD TALM BUILDINGS TYPE E IDENT	423842N	0262132E	BU	S087887
SLIVEN AIRFIELD TALM BUILDINGS TYPE E IDENT	423842N	0262132E	BU	
BEZMER AIRFIELD AIRCRAFT BUNKERS	422720N	0262112E	BU	S086531
SOFIA/KUMARITSA AIRFIELD AIRCRAFT BUNKERS	424847N	0231805E	BU	S086510
GABROVNITSA AIRFIELD AIRCRAFT BUNKERS	433240N	0231624E	BU	S086509
UZUNDZHOVO AIRFIELD AIRCRAFT BUNKERS	415839N	0253529E	BU	S086513
TIRANE/RINAS AIRFIELD AIRCRAFT BUNKERS	412452N	0194320E	AL	S086516
TIRANE/RINAS AIRFIELD	412452N	0194320E	AL	S088363
TITOGRAD INTERNATIONAL AIRFIELD AIRCRAFT BKRS	422130N	0191507E	YO	S086642
CESHNEGIROVO AIRFIELD AIRCRAFT BUNKERS	420653N	0245940E	BU	S086512
OBRVA AIRFIELD AIRCRAFT BUNKERS	434915N	0203509E	YO	S086648
DURRES INDUSTRIAL AREA	411905N	0192715E	AL	S088621
BURGAS PORT FACILITIES	422914N	0272838E	BU	S088375
SMYALOVO AMMUNITION DEPOT SOUTH 501	430306N	0270112E	BU	S087437
DULGOPOL AMMUNITION DEPOT 502	430058N	0271950E	BU	S086994
BURGAS PETROLEUM REFINERY KAMENO	423245N	0272017E	BU	S088684
POLYANOVGRAD AMMUNITION STORAGE FACILITY 503	423842N	0270017E	BU	S087229
GRUDOVO AMMUNITION STORAGE FACILITY 502	422019N	0270932E	BU	S087224
BALCHIK AIRFIELD AIRCRAFT BUNKERS	432531N	0281049E	BU	S086514

25X1
25X1

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1
25X1

WAC/BE

SUBJECT	IDHS CODE	COORD	COUN	ACCN NO.
TOLBUKHIN AIRFIELD AIRCRAFT BUNKERS		433634N 0275012E	RU	S086515
VARNA/VARNEANSKO OZPRO HELIPORT HAZE A IDENT		431120N 0275050E	RU	S086338
RAVNETS AIRFIELD AIRCRAFT BUNKERS		423148N 0271551E	RU	S086517
POTI NAVAL BASE + SHIPYARD YELYAVA 201		420935N 0413926E	UR	S087196
POTI NAVAL BASE + SHIPYARD YELYAVA 201		420935N 0413926E	UR	
[REDACTED]				
GUDAUTA AIRFIELD FLAGON F SU-15 AA-8 ARMED		430607N 0403455E	UR	S088195
GUDAUTA AIRFIELD FLAGON F SU-15 AA-8 ARMED		430607N 0403455E	UR	
LAGODEKHI ORDNANCE DEPOT		414920N 0461610E	UR	S086361
IZBERBASH RADIO RELAY STATION		423530N 0475100E	UR	S086061
LYAKI PHASED-ARRAY RADAR FACILITY		405208N 0474913E	UR	S086818
LYAKI PHASED-ARRAY RADAR FACILITY		405208N 0474913E	UR	S08755A
LYAKI PHASED-ARRAY RADAR FACILITY		405208N 0474913E	UR	S087584
MOZDOK AIRFIELD GCA SITE		434715N 0443600E	UR	S087644
GROZNY PETROLEUM REFINERY GROUP		431805N 0453903E	UR	S085930
TBILISI AIRFRAME PLANT 31		413954N 0445259E	UR	S087044
BAKU PETROLEUM REFINERY WATERFRONT GROUP		402251N 0495352E	UR	S085930
NALCHIK ARMY BARRACKS NE AL1		432957N 0433816E	UR	S088720
GROZNY ARMY BARRACKS SE AL1		431700N 0454340E	UP	S088777
GROZNY ARMY BARRACKS REKA SUNZHA AL3		431950N 0454210E	UR	S08877A
RUSTAVI RADIO COMMUNICATIONS RECEIVER STA KGB		413010N 0450750E	UR	S086661
[REDACTED]				
MOZDOK AIRFIELD PETROLEUM PRODUCTS STORAGE 1		434646N 0443554E	UR	

25X1

25X1

25X1

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT	IDHS CODE	COORD	COUN	ACCN NO.
NASOSNYY AIRCRAFT REPAIR BASE FOXBAT ACTIVITY		403534N 0493322F	UR	S086206
NASOSNYY AIRCRAFT REPAIR BASE		403534N 0493322E	UR	S086458
NASOSNYY AIRCRAFT REPAIR BASE		403601N 0493248E	UR	S086409
NASOSNYY AIRCRAFT REPAIR BASE		403555N 0493225E	UR	S087078
YEREVAN SYNTHETIC RUBBER + CHEMICAL PLANT 741 SUMGAI T SYNTHETIC RUBBER PLANT SK7		400748N 0442953E 403622N 0493720E	UR UR	S086871
ORDZHONIKIDZE NONFERROUS METALS PLANT		430308N 0444120E	UR	S085663
BAKU PETROLEUM REFINERY 2		402430N 0495450E	UR	S085930

25X1

25X1

MOZDOK ASM SUPPORT FACILITY		434638N 0443726E	UR	
BAKU ORDNANCE STORAGE DEPOT D01		402655N 0495131E	UR	S088879
TBILISI SARTICHALA ESV TRACKING FACILITY		414220N 0450940E	UR	S088052
KUSARY AIR FORCE SCHOOL PROB AIRCRAFT SEARCH		412530N 0482605E	UR	S086981
MOZDOK AIRFIELD LRA BOMB CORP REGIMENT HQ BKR		434600N 0443400E	UR	S087644
LAGODEKHI ORDNANCE/ARTILLERY DEPOT D01		414920N 0461610E	UR	S086361
TBILISI MILITARY ORDNANCE DEPOT DX/D03		414040N 0445210F	UR	S088906
BUYNAKSK AMMUNITION STORAGE DEPOT DA1		424758N 0470619E	UR	S087957
MOZDOK AIRFIELD		434715N 0443601E	UR	S087644
NASOSNYY AIRFIELD FOXBAT A MIG-25 MODIFS SRCH		403534N 0493322E	UR	S088532
NASOSNYY AIRFIELD AIRCRAFT ENGINE TEST BLDG		403534N 0493322E	UR	S088712
TBILISI/SOGANLUG AIRFIELD		413857N 0445610E	UR	S087044

25X1

25X1

920
TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUNTRY

ACCN NO.

25X1

TELAVI HELIPORT HOUND MI-4 ACTIVITY	415750N 0453220E	UR	S089018
KALININO AIRFIELD LRA SUPPORT CAPABILITY	410630N 0441600E	UR	S086829
ANGREN COAL GASIFICATION STATION U/G	410042N 0700948E	UR	S085672
TASHKENT AIRFRAME PLANT B CANDID BORT COUNT	411802N 0691904E	UR	S087889
TASHKENT AIRFRAME PLANT B CHKALOV 84 EXPSN	411802N 0691904E	UR	S088845
TASHKENT AIRFRAME PLT B CANDID B IL-76 MODIF	411802N 0691904E	UR	S088693
CHIMKENT POLYMETAL PLANT KALININ	421841N 0693246E	UR	S085663
ALMALYK NONFERROUS METALS PLANT ALTYN TOPKAN	405102N 0693231E	UR	
CHIRCHIK ARMY BARRACKS AL1 + SCHOOL ABRN REGT	413050N 0693720E	UR	S088381
CHIRCHIK ARMY BARRACKS AL1 + SCHOOL ABRN REGT	413050N 0693720E	UR	
CHIRCHIK ARMY BARRACKS AL1 + SCHOOL	413050N 0693720E	UR	S089015
CHIRCHIK ARMY BARRACKS AL1 + SCHOOL	413050N 0693720E	UR	
OSH ARMY BKS AL1/SAM SUPT FAC/RSV EQUIP DEPOT	403100N 0724503E	UR	S086439
OSH ARMY BKS AL1/SAM SUPT FAC/RSV EQUIP DEPOT	403100N 0724503E	UR	
OSH ARMY BKS AL1/SAM SUPT FAC/RSV EQUIP DEPOT	403100N 0724503E	UR	
OSH ARMY BKS AL1/SAM SUPT FAC/RSV EQUIP DEPOT	403100N 0724503E	UR	S088381
OSH ARMY BKS AL1/SAM SUPT FAC/RSV EQUIP DEPOT	403100N 0724503E	UR	
OSH ARMY BKS AL1/SAM SUPT FAC/RSV EQUIP DEPOT	403100N 0724503E	UR	
OSH ARMY BKS AL1/SAM SUPT FAC/RSV EQUIP DEPOT	403100N 0724503E	UR	S089015
OSH ARMY BKS AL1/SAM SUPT FAC/RSV EQUIP DEPOT	403100N 0724503E	UR	
OSH ARMY BKS AL1/SAM SUPT FAC/RSV EQUIP DEPOT	403100N 0724503E	UR	
SEYTARYK RADIO COMMUNICATIONS XMTR STA KGB	413016N 0690852E	UR	S086661
SARY AGACH RADIO COMMUNICATIONS RCVR STA KGB	412805N 0691121E	UR	
CHIRCHIK ELECTROCHEMICAL CMB CRYOGEN RAILCARS	412733N 0693440E	UR	S086799
CHIRCHIK ELECTROCHEMICAL CMB CRYOGEN RAILCARS	412733N 0693440E	UR	

FERGANA ARMY BARRACKS AL1 + HQ AIRBORNE DIV

402300N 0714550E UR S089015

25X1

921

TOP SECRET CHESS RUFF

25X1

25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT IDHS CODE COORD COUN ACCN NO.

FERGANA ARMY BARRACKS AL1 + HQ AIRBORNE DIV		402300N 0714550E	UR	S088381
CHIMKENT AIR FORCE MAINT SCHOOL AIRCRAFT SRCH		421820N 0693600E	UR	S086988
CHIRCHIK ARMY BKS AL6 T-64/T-72 TANK IDENT		412847N 0693427E	UR	S087699
CHIRCHIK ARMY BARRACKS AL6 T-64/T-72 TANKS		412847N 0693427E	UR	S088881
CHIRCHIK ARMY BARRACKS AL6 T-64/T-72 TANKS		412847N 0693427E	UR	
FRUNZE AIR FORCE SCHOOL AIRCRAFT SEARCH		425130N 0743610E	UR	S086986
CHADAK GOLD COMPLEX		410010N 0704412E	UR	S085659
TASHKENT AVTOKOLONNA 2505		412005N 0691856E	UR	S087101
DZHAMBUL AMMUNITION DEPOT		425934N 0713903E	UR	S088101
FERGANA AIRFIELD ACTIVITY INCREASE		402136N 0714438E	UR	S088252
TASHKENT AIRFIELD CANDID IL-76 LIBYAN/IRAQI		411846N 0692331E	UR	S086691
TASHKENT AIRFIELD CANDID IL-76 BORT COUNTS		411846N 0692331E	UR	S087889
FRUNZE AIRFIELD NW HIND MI-24 COUNTS		425435N 0743037E	UR	S086960
LUGOVOYE AIRFIELD FLOGGER G MIG-23 SEARCH		425820N 0724339E	UR	S086200

25X1

AKOSU ARMY BARRACKS AL1 VEHICLE RVTS NEW		411035N 0801508E	CH	S086217
OTAR EXPERIMENTAL CROP FAC MIL ASSOC POSS		433440N 0751312E	UR	S088911
OTAR EXPERIMENTAL CROP FAC MIL ASSOC POSS		433440N 0751312E	UR	
OTAR ARMY BARRACKS SW AL4/RESERVE EQUIP STGE		433328N 0751205E	UR	S087530
OTAR ARMY BARRACKS SW AL4/RESERVE EQUIP STGE		433328N 0751205E	UR	
ALMA ATA COMMAND CONTROL RADCOM FACIL BKR U/I		430910N 0762330E	UR	S087396
ALMA ATA COMMAND CONTROL RADCOM FACIL BKR U/I		430910N 0762330E	UR	S086837
ALMA ATA COMMAND CONTROL RADCOM FACIL BKR U/I		431211N 0763603E	UR	S087298

25X1

922

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

ALMA ATA COMMAND CONTROL RADCOM FACIL BKR U/I

431211N 0763603E

UR

S086836

25X1

ALMA ATA MILITARY STORAGE DEPOT CHEMOLGAN

432257N 0763627E

UR

S088724

25X1

HOCHING ARMY BARRACKS AL2 ARMOR DPL NEW

422050N 0862245E

CH

S086693

25X1

WULUMUCHI MILITARY REGION ARTY/TANK/INF REGTS

434830N 0873710E

CH

S088291

HALAKASSUTE SSM/SPACE TRACKING FACILITY

404521N 0871327E

CH

S087316

HALAKASSUTE SSM/SPACE TRACKING FACILITY

404521N 0871327E

CH

S087360

25X1

TOP SECRET CHESS RUFF

25X1

25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT IDHS CODE COORD COUN ACCN NO.

CHANGCHI AIRFIELD MIRAGE/C-130 IDENTIFIED		435705N 0870447E	CH	S088144
LIUCHINGKOU SSM COMPLEX COMMAND POST BKR FAC		380815N 1001020E	CH	S086805
LIUCHINGKOU SSM CAVE STORAGE AREA		381145N 1000850E	CH	
TEHINGHA SSM LAUNCH SITE 4 POSS U/C		372943N 0970326E	CH	S085966
TEHINGHA MILITARY STGE AREA SSM SITE PROB U/C		372944N 0971433E	CH	S085885
TEHINGHA MILITARY STGE AREA SSM SITE PROB U/C		372944N 0971433E	CH	

25X1

TEHINGHA SSM RADCOM STATION BUNKER HARD PROB		372726N 0972348E	CH	S086956
TACHAITAN SSM SITE 1 U/C IDENTIFICATION		374650N 0952745E	CH	S085870
TACHAITAN SSM SITE 1		374709N 0952746E	CH	S088508
TACHAITAN SSM SITE 1		374709N 0952746E	CH	S088559
TACHAITAN SSM SITE 2 U/C IDENTIFICATION		373550N 0954245E	CH	S085869
TACHAITAN SSM SITE 2		373600N 0954242E	CH	S088559
TACHAITAN SSM SITE 2		373600N 0954242E	CH	S088508
ALASHANYUCHI AW RADAR FACILITY		390556N 1015209E	CH	S085745

25X1

SHANTAN SAM TRAINING AREA B		385657N 1010807E	CH	S087155
-----------------------------	--	------------------	----	---------

25X1

LIUCHINGKOU SSM SITE 1		380944N 0995931E	CH	S086805
LIUCHINGKOU SSM SITE 2		381446N 1000356E	CH	
TATUNG SSM FIELD GARRISON		370700N 1013143E	CH	S088097
LIUCHINGKOU SSM SITE 3		380510N 1001036E	CH	S086805

25X1

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUFI

ACCN NO.

MINLO SSM FIELD TRAINING POSITION	380335N 1005802E	CH	S086945
LIUCHINGKOU SSM FIELD POSITION	381328N 0995932E	CH	S086805
LIUCHINGKOU SSM SITE 4	381348N 1001559E	CH	
LIUCHINGKOU IRBM RADCOM STATION NORTH BKR	3808 N 10006 E	CH	
LIUCHINGKOU SSM COMPLEX	380835N 1000625E	CH	S086734
LIUCHINGKOU SSM COMPLEX	380835N 1000625E	CH	S086805
LIUCHINGKOU SSM COMPLEX	380835N 1000625E	CH	S086947
MINFENG MISSILE IMPACT AREA	365005N 0825910E	CH	S086614
SULO SSM/SPACE TRACKING FACILITY	392340N 0761220E	CH	S088538
SULO SSM/SPACE TRACKING FACILITY	392340N 0761220E	CH	S088597
KHAIKABAD MILITARY TRSHPMT POINT ARMS SOVIET	371326N 0672440E	AF	S088543
GISSAR AIRCRAFT MAINTENANCE + REPAIR FACILITY	383145N 0684050E	UR	S086392
TERMEZ PORT CPLX AMU DARYA RIVER ARMS TRSHPMT	371201N 0671812E	UR	S087982
TERMEZ PORT CPLX AMU DARYA RIVER ARMS TRSHPMT	371201N 0671812E	UR	
TERMEZ SHIP REPAIR YARD ARMS SHIPMENT	371212N 0671830E	UR	S084645
TERMEZ SHIP REPAIR YARD ARMS SHIPMENT	371212N 0671830E	UR	
KOKAYTY AIRFIELD RECONNAISSANCE UNIT DEPLOYED	373725N 0673102E	UR	S087689
KAGAN ARMY BARRACKS AL1	394311N 0643223E	UR	S087672
CHARUZHOU AVIATION MAINT SCHOOL A/C SEARCH	390602N 0633500E	UR	S086984
BAYRAM ALI RADIO RELAY + TV BROADCAST STATION	373910N 0621210E	UR	S086316
BAYRAM ALI RADIO RELAY + TV BROADCAST STATION	373910N 0621210E	UR	
KARSHI ORDNANCE DEPOT D01 TWIN EAR ANT SEARCH	384927N 0654545E	UR	S087420
KARSHI ORDNANCE DEPOT D01 TWIN EAR ANT SEARCH	384927N 0654545E	UR	
MARY SAM SUPPORT FACILITY 2	373510N 0615130E	UR	S086713
MARY SAM SUPPORT FACILITY 3 SA-6 ACTIVITY	373500N 0615130E	UR	

25X11

925

TOP SECRET CHESS RUFF

25X1

25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

WAC/BE	SUBJECT	IDHS CODE	COORD	COUN	ACCN NO.
	MARY AIRFIELD NE FLOGGER G MIG-23 IDENTIFIED		373709N 0615342E	UR	S087720
	KARSHI AIRFIELD SOUTH TWIN EAR ANTENNA SEARCH		384822N 0654615E	UR	S087420
	KAAKHKA SA-2 SITE A01 SA-4 BATTERY DEPLOYED		372337N 0593746E	UR	S085795
	ASHKHABAD ESV TRACKING FACILITY		375337N 0582239E	UR	S088052
	NEBIT DAG AIRFIELD FLOGGER B/C MIG-23		392847N 0542158E	UR	S087891
	ZOD ARARAT GOLD PLANT		395030N 0444420E	UR	S086310
	ALGER/DAR EL BEIDA AFLD T-72/BTR-60PB IDENT		364136N 0031302E	AG	S088424
	ALGER/DAR EL BEIDA AIRFIELD T-64/T-72 TANKS		364136N 0031302E	AG	S088881
	ALGER/DAR EL BEIDA AIRFIELD T-64/T-72 TANKS		364136N 0031302E	AG	
	YONI SAN SIGINT FACILITY		375030N 1263817E	KN	S085830
	SIKHYON NI SIGINT FACILITY		374935N 1263919E	KN	S085591
	TOKSAN DONG ELINT FACILITY PROB		380925N 1263820E	KN	S085836
	NUCHON NI RADIO RELAY STA PROB SIGINT POSS		381725N 1261155E	KN	S085834
	ICHON RADIO RELAY STATION POSS		382800N 1265420E	KN	S088128
	HAEJU RADIO RELAY STATION		380350N 1254420E	KN	S085839
	OKPYONG NI MILITARY INSTL NORTH CSSC-2 EQUIP		391940N 1271810E	KN	S087703
	OKPYONG NI MILITARY INSTL NORTH CSSC-2 EQUIP		391940N 1271810E	KN	
	WONSAN RADIO RELAY STATION R-600		390745N 1272430E	KN	S086475
	SEPO RADIO RELAY STATION		384220N 1272325E	KN	S086027
	SINAN NI ARMY BKS NE M-1975 SP GUN BN/BKS NEW		394704N 1251841E	KN	S084636
	YONAN RADIO RELAY STATION		375455N 1260920E	KN	S088129
	CHO DO COASTAL DEF CR MSL SITE CSSC-2 EQUIP		383110N 1245100E	KN	S087703

25X125X1

926

TOP SECRET CHESS RUFF

25X1

25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

PIPA GUT CD CR MSL SUPT/TRNG FAC CSSC-2 EQUIP	383225N 1250138E	KN	
NUCHON NI AIRFIELD PROB U/C	381410N 1260730E	KN	S087519
YANGDOK ELINT FACILITY	390647N 1264351E	KN	S087376
SONGAK SAN SIGINT FACILITY	375943N 1263153E	KN	S085832
TOSING NI SIGINT FACILITY	375654N 1262855E	KN	S085831
HWAJANG SAN ELINT FACILITY PROB	380245N 1263900E	KN	S085835
HWACHON NI COMSAT STATION PROB	390205N 1260248E	KN	S085837
KUUM NI AIRFIELD U/C	385145N 1275419E	KN	S087519
PAECHON RADIO RELAY STATION POSS SIGINT FACIL	380005N 1261755E	KN	S088125
HAMHUNG MACHINERY PLANT KOKSAN SP GUN M-1978	394908N 1273558E	KN	S087548
HAMHUNG MACHINERY PLANT KOKSAN SP GUN M-1978	394908N 1273558E	KN	
HAMHUNG MACHINERY PLANT YONGSONG EXPLO DAMAGE	394908N 1273558E	KN	S088309
HAMHUNG MACHINERY PLANT YONGSONG EXPLO DAMAGE	394908N 1273558E	KN	S088291
HAEJU AM TRANSMITTER FACILITY	380148N 1254242E	KN	S085838
KAESONG AM RADIO TRANSMITTER STATION 1	375903N 1263416E	KN	S085833
NAMPO COASTAL DEFENSE CRUISE MISSILE SITE 1	383422N 1250137E	KN	S086033
SAIN NI MOTOR VEHICLE ASSEMBLY PLANT	391635N 1255135E	KN	S088396
SONGNIM MILITARY BKS + ARTY AREA SP GUN DPL	384945N 1254050E	KN	S086343
PYONGYANG ARMY BKS + HQ TK BN SP GUN DPL NEW	384852N 1254902E	KN	
KAESONG TV TRANSMITTER + RADIO RELAY TERMINAL	375721N 1263315E	KN	S085537
KAESONG TV TRANSMITTER + RADIO RELAY TERMINAL	375721N 1263315E	KN	
SAAMCHAM AIRFIELD FARMER F/FRESCO IDENT	394503N 1255416E	KN	S085888
HAEJU AIRFIELD NE COLT AN-2 IDENTIFICATION	380740N 1255110E	KN	S086221

25X11

927

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

25X1

SINMAK AIRFIELD SOUTH COLT AN-2	382123N	1261317E	KN	S086223
HUNGNAM RAIL YARD MUNITIONS TRAIN EXPLOSION	395018N	1273741E	KN	S088309
HUNGNAM RAIL YARD MUNITIONS TRAIN EXPLOSION	395018N	1273741E	KN	S088291
LUSHUN OPTICAL TRACKING FACILITY	384728N	1211810E	CH	S088450
HSINCHIN RADIO COMMUNICATIONS STA AZIMUTHS	392321N	1215811E	CH	S086032
HSIAOPINGTAO SLBM SUPPORT FACILITY TEST ACT	385237N	1212927E	CH	S087759
HSIAOPINGTAO SLBM SUPPORT FACILITY SLBM TRANS	385237N	1212927E	CH	S087635
CHIANGKOCUANG NAVAL SUPPORT FACIL MSL ASSOC	360722N	1203550E	CH	S088162
TENGSHAHO SSM RTP PROB	391506N	1220520E	CH	S087583
LUNGKOU OPTICAL TRACKING FACILITY	374110N	1201330E	CH	S088450
PEICHING POLYVINYL ALCOHOL PLANT	395311N	1162913E	CH	S086824
CHANGHSINTIEN ROLLING STOCK MFG + REPAIR PLT	395110N	1161115E	CH	S087515
CHINGTAO LOCOMOTIVE/ROLLING STOCK PLT SSUFANG	360636N	1202033E	CH	
LUTA RAILROAD LOCOMOTIVE + CAR MFG + RPR PLT	385513N	1213440E	CH	
LUTA SHIPYARD DAIREN SLBM ASSOC STRUCTURES	385559N	1213816E	CH	S085955
LUTA SHIPYARD DAIREN SLBM LAUNCH TUBES PROB	385559N	1213816E	CH	
LUTA SHIPYARD DAIREN SLBM ASSOC STRUCTURE U/C	385559N	1213816E	CH	S084651
LUTA SHIPYARD DAIREN SLBM ASSOC STRUCTURE U/C	385559N	1213816E	CH	
LUTA SHIPYARD DAIREN SLBM LAUNCH TUBES PROB	385559N	1213816E	CH	S085955
LUTA SHIPYARD DAIREN SLBM ASSOC STRUCTURES	385559N	1213816E	CH	
LUTA SHIPYARD DAIREN EXPANSION	385559N	1213816E	CH	S086324
LUTA SHIPYARD DAIREN FU CHING CLASS AOR LNCH	385559N	1213816E	CH	S087258
LUTA MACHINERY MANUFACTURING PLANT	385402N	1213425E	CH	S087515
LUSHUN NAVAL BASE + SHIPYARD EXPANSION	384809N	1211540E	CH	S086324
LUSHUN NAVAL BASE + SHIPYARD EXPANSION	384809N	1211540E	CH	

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

LUSHUN NAVAL BASE + SHIPYARD SLBM TEST ACT
 LUSHUN NAVAL BASE + SHIPYARD SLBM TEST ACT
 LUSHUN NAVAL BASE + SHIPYARD SLBM TEST ACT

384809N 1211540E
 384809N 1211540E
 384809N 1211540E

CH S087759
 CH
 CH

25X1

TAKU SHIPYARD HSIN CHIANG

385934N 1174300E

CH S088768

CHINGTAO NAVAL DOCKYARD
 CHINGTAO NAVAL DOCKYARD

360424N 1201818E
 360424N 1201818E

CH S087137
 CH

CHINGTAO MOTOR TORPEDO BOAT BASE

360323N 1201924E

CH S088290

TANGSHAN RAILROAD EQUIPMENT MFG + REPAIR PLT
 PEICHING LOCOMOTIVE + ROLLING STOCK PLANT

393615N 1181056E
 394919N 1161126E

CH S087515
 CH

WEIHAI MOTOR TORP BOAT BASE NAVAL ACT UNUSUAL

373000N 1221035E

CH S086385

LUTA COASTAL DEFENSE CRUISE MISSILE SITE

384928N 1212722E

CH S086118

PEICHING GUIDED MISSILE DPC PRPLNT VEH TYPE M

394849N 1160805E

CH S085267

PEICHING GUIDED MISSILE DPC TEST STAND 1

394849N 1160805E

CH S086742

PEICHING GUIDED MISSILE DPC MISSILE SYS R+D

394849N 1160805E

CH S086739

PEICHING GUIDED MISSILE DPC AERODY TEST BLDG

394849N 1160805E

CH S086741

PEICHING GUIDED MISSILE DPC PRPLNT DEV/TEST

394849N 1160805E

CH S086806

PEICHING GUIDED MISSILE DPC TEST STAND 2

394849N 1160805E

CH S086743

PEICHING GUIDED MISSILE DPC MISSILE SYS R+D

394849N 1160805E

CH S086807

PEICHING GUIDED MISSILE DPC CMPNT TEST AREA D

394849N 1160805E

CH S086744

PEICHING GUIDED MISSILE DPC PRPLNT DEV/TEST

394849N 1160805E

CH S086745

PEICHING GUIDED MISSILE DPC TEST STAND 4

394849N 1160805E

CH S086735

PEICHING GUIDED MISSILE DPC TEST STAND 3

394849N 1160805E

CH S086736

PEICHING GUIDED MSL DPC CHANGHSINTIEN EXPSN

394849N 1160805E

CH S087386

YENTAI COASTAL DEFENSE CRUISE MISSILE SITE 1

373652N 1212304E

CH S086115

TOP SECRET CHESS RUFF

25X1

25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

PEICHING GUIDED MISSILE PLANT MSL ASSOC EQUIP	394748N 1162358E	CH	S086605
PEICHING GUIDED MISSILE PLT NANYUAN SLBM A/F	394748N 1162358E	CH	S087385
HSIAOPINGTAO SUBMARINE BASE EXPANSION	384903N 1212937E	CH	S085989
HSIAOPINGTAO SUBMARINE BASE SLBM TEST ACT	384903N 1212937E	CH	S087759
HSIAOPINGTAO SUBMARINE BASE SLBM TEST ACT	384903N 1212937E	CH	
HSIAOPINGTAO SUBMARINE BASE LDG QUAY SLBM CAN	384903N 1212937E	CH	S087546
HSIAOPINGTAO SUBMARINE BASE LDG QUAY SLBM CAN	384903N 1212937E	CH	
HSIAOPINGTAO SUBMARINE BASE	384903N 1212937E	CH	S088162
CHINGSHAN NAVAL FACILITY PUG	360914N 1204114E	CH	S086868
TZUPO ALUMINA + ALUMINUM PLANT	364444N 1180324E	CH	S088444
CHINGTAO NAVAL SHIPYARD	360345N 1201740E	CH	S087139
CHINGTAO NAVAL SHIPYARD	360345N 1201740E	CH	
TAKUSHAN NAVAL FACILITY PUG	385700N 1215019E	CH	S086868
TAKUSHAN NAVAL FACILITIES PUG	385700N 1215019E	CH	S087138
ITU SSM TRAINING FACILITY SERVICE TOWER	363605N 1182847E	CH	S087817
SHIHTAO NAVAL FACILITY PUG	365203N 1222310E	CH	S086868
CHUCHIA COASTAL DEFENSE CRUISE MISSILE SITE	374157N 1210652E	CH	S086116
LUTA NAVAL SHIPYARD EXPANSION	385619N 1213620E	CH	S086324
LUTA NAVAL SHIPYARD	385619N 1213620E	CH	S088769
CHIANGKOCHUANG NAVAL FACILITY PUG	360625N 1203513E	CH	S086868
CHIANGKOCHUANG SUBMARINE BASE PUG	360625N 1203513E	CH	S087667
WEIHAI NAVAL FACILITY NORTH PUG	373330N 1220653E	CH	S086868
TAYUANCHIATUN NAVAL FACILITY PUG	392248N 1214519E	CH	
LIUCHUANG NAVAL FACILITY U/G	394841N 1193142E	CH	

25X1;1

930

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

TENGSHAHO SSM GARRISON SUPPORT AREA	391340N 1220321E	CH	S087583
LAIYANG SSM/SPACE TRACKING FACILITY	370311N 1204642E	CH	S087809
LAIYANG SSM/SPACE TRACKING FACILITY AREA A	370311N 1204642E	CH	S087826
LAIYANG SSM/SPACE TRACKING FACILITY	370311N 1204642E	CH	S087827
LUSHUN COASTAL DEFENSE CR MSL TAC SHORT RANGE	384320N 1211030E	CH	S086117
HSIAOCHANGSHANTAO NAVAL FACILITY SE PROB U/G	391248N 1224323E	CH	S086868
TACHINTAO MINING ACTIVITY PROB	381743N 1204813E	CH	
WEIHAI COASTAL DEFENSE CRUISE MISSILE SITE	372347N 1224005E	CH	S086119
TENGSHAHO SSM FIELD PSTN CSS-1/CSS-2 MODIFS	390911N 1220453E	CH	S086905
TENGSHAHO SSM FIELD TRAINING POSITION	390911N 1220453E	CH	S087583
TENGSHAHO SSM FIELD PSTN 1/2 WHD MATING EXER	390911N 1220453E	CH	S088448
WEIFANG AIRFIELD FANTAN A F-9 ACT UNUSUAL	363851N 1190712E	CH	S086184
TSANGHSIEN AIRFIELD HSIAN A IDENTIFICATION	382409N 1165550E	CH	S087542
PIENKUAN RADIO RELAY STATION BUNKERED	392144N 1113535E	CH	S088537
HSIENKANG RADIO RELAY + TV TRANSMITTER STA SE	385027N 1122757E	CH	
HSIENKANG RADIO RELAY + TV TRANSMITTER STA SE	385027N 1122757E	CH	
CHINGHSINGHSIEN VINYLON PLANT	380140N 1140640E	CH	S086824
CHAOCHENG VINYLON PLANT	362230N 1114220E	CH	
HSINHSIEN COMSAT STATION WEST	382557N 1122745E	CH	S088537
WUCHAI MTC RADCOM TRANSMITTER STATION 2	392330N 1111140E	CH	
HSINHSIEN COMSAT STATION DOMESTIC PROB	382950N 1123245E	CH	
WUCHAI MTC RADCOM STATION 1	384930N 1114500E	CH	
TAIYUAN EXPLOSIVES + SOLID MOTOR PROD PLT 245	375920N 1123211E	CH	S088162
TAIYUAN EXPLOSIVES + SOLID MOTOR PROD PLT 245	375920N 1123211E	CH	
TAIYUAN ALUMINUM PLANT	375320N 1122830E	CH	S088444
HANTAN ALUMINUM PLANT	362805N 1142412E	CH	

25X1

931

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1
25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

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 R+D TRNG SITE A CSS-2 ERECTED	385002N 1113617E	CH	S087253
WUCHAI MTC SSM R+D TRNG SITE A1/2/3 CSS-2 ACT	385002N 1113617E	CH	S087551
WUCHAI MTC SSM R+D TRNG SITE A1/2/3 CSS-2 ACT	385002N 1113617E	CH	S088245
WUCHAI SSM SUPPORT FACILITY PRPLNT VEH TYPE M	384828N 1113658E	CH	S085267
WUCHAI MTC SSM SUPPORT FAC CHECKOUT/STGE FAC	384828N 1113658E	CH	S087023
WUCHAI MTC SSM SUPT FAC RAILCAR CSS-X-4/CSL-2	384828N 1113658E	CH	S088495
WUCHAI MTC SSM SUPT FAC RAILCAR CSS-X-4/CSL-2	384828N 1113658E	CH	
WUCHAI MTC R+D TRAINING SITE B CSS-X-4 LAUNCH	385241N 1113531E	CH	S086092
WUCHAI MTC SSM R+D TRNG SITE B CSS-X-4 PREP	385241N 1113531E	CH	S087259
WUCHAI MTC SSM R+D TRAINING SITE B ELCT EQUIP	385241N 1113531E	CH	S086789
WUCHAI MTC SSM R+D TRNG SITE B CSS-X-4 ACT	385241N 1113531E	CH	S087254
WUCHAI MTC SSM TRNG SITE B MONITORING EQUIP	385241N 1113531E	CH	S088836
TAIYUAN/SHOUYANG SAM DEPOT	375220N 1130904E	CH	S087669
TUICHEN ARMS PLANT	370157N 1113118E	CH	S088285
WUCHAI MTC SITE D PROPELLANT STORAGE FACILS	385052N 1113632E	CH	S087020
WUCHAI MTC SSM R+D TEST SITE D CSS-X-4/CSL-2	385052N 1113632E	CH	S087977
WUCHAI MTC SSM R+D TEST SITE D CSS-X-4/CSL-2	385052N 1113632E	CH	
WUCHAI MTC SSM R+D SITE D CSS-X-4/CSL-2 ACT	385052N 1113632E	CH	S088320
WUCHAI MTC SITE D CSS-X-4/CSL-2 PRPLNT TRANS	385052N 1113632E	CH	S088423
WUCHAI MTC SITE D CSS-X-4/CSL-2 PRPLNT TRANS	385052N 1113632E	CH	
WUCHAI MTC LAUNCH SITE NEW POSS U/C	384950N 1113620E	CH	S084643

25X1

932

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

WUCHAI MTC CSS-X-4 SILO LAUNCH

384950N 1113620E

CH

S087047

25X1

WUCHAI MTC CSS-2 ACTIVITY

384950N 1113620E

CH

S087261

WUCHAI MTC

384950N 1113620E

CH

S088162

LANCHOU VINYLON PLANT

361000N 1032700E

CH

S086824

SHUANGTA SSM FIELD TRNG PSTN 2 CSS-1 LAUNCHES

373603N 1024809E

CH

S086175

SHUANGTA SSM FIELD TRNG PSTN 3 CSS-1 LAUNCHES

373758N 1024508E

CH

SHUANGTA SSM FIELD TRNG PSTN 4 CSS-1 LAUNCHES

373937N 1024336E

CH

SHUANGTA SSM FIELD TRNG PSTN 1 CSS-1 LAUNCHES

373604N 1025129E

CH

25X1

WUCHIACHUAN TOXIC PROD FAC NUCLEAR RLTD POSS

364144N 1043436E

CH

S088332

TALACHIH AIRFIELD FANTAN A F-9 IDENTIFICATION

363740N 1050004E

CH

S086633

SANYUAN RADIO RELAY STATION NW BUNKERED

344244N 1085102E

CH

S088124

25X1

HSIAN/HSIENYANG AIRFIELD DF FACILITY

342800N 1084900E

CH

S088123

SANYUAN SAM TRAINING AREA ACTIVITY INCREASE

343900N 1085830E

CH

S087552

HSIAN RAILROAD CAR MFG + REPAIR PLT SANCHIAO

341805N 1084951E

CH

S087515

FENGCHOU GUIDED MSL ENG PLT PRPLNT VEH TYPE M

335711N 1064332E

CH

S085267

FENGCHOU GUIDED MISSILE ENGINE PLANT

335711N 1064332E

CH

S086126

HSIAN/HSIKUAN AIRFIELD RESOLUTION TGT IDENT

341505N 1085332E

CH

S087704

HSIAN/HSIKUAN AIRFIELD RESOLUTION TGT IDENT

341505N 1085332E

CH

WANGFAN RADIO RELAY STATION

341730N 1115030E

CH

S086956

SHIHSUN RADIO RELAY STATION NORTH BUNKERED

352317N 1101013E

CH

S087379

933

TOP SECRET CHESS RUFF

25X1

25X1

TOP SECRET CHESS RUFF

25X1
25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

CHIUMENGCHIN SSM FIELD POSITION	344813N 1124018E	CH	S087813
CHIUMENGCHIN SSM TRAINING FACILITY CSS-2 EXER	344813N 1124018E	CH	S089317
CHIUMENGCHIN SSM FIELD POSITION	344813N 1124018E	CH	S087818
LOYANG SSM RAIL TRANSSHIPMENT FAC CSS-X-4 GSE	343535N 1122600E	CH	S088422
JUNGYANG ALUMINA + ALUMINUM PLANT	344852N 1131632E	CH	S088444
HSIAN OPTICAL INSTRUMENT PLANT HSIPEI	341636N 1090052E	CH	S086377
HSIAN RADAR ASSEMBLY + TEST AREA NO SIG CHNG	341320N 1090650E	CH	S084477
HUAYIN WEAPONS TEST FACILITY WEST	343345N 1095715E	CH	S085960
HSIAN AMMUNITION PARTS PLANT 803	341545N 1090040E	CH	S086373
YENLIANG RADIO COMMUNICATIONS STATION	343949N 1091349E	CH	S086022
LANTIEN SOLID PROPELLANT PRODUCTION COMPLEX	340312N 1092400E	CH	S088162
HUAYIN WEAPONS TEST FACILITY EAST	343545N 1100650E	CH	S087214
LOYANG MOTOR VEHICLE PLANT NORTH HSICHENGLIU	350450N 1122541E	CH	S086860
LONING ICBM SITE 1 CSS-X-4 SITE	342143N 1115037E	CH	S086319
LONING ICBM SITE 1	342143N 1115045E	CH	S088549
LONING ICBM SITE 1 SILO CONSTRUCTION	342143N 1115045E	CH	S088513
LONING ICBM SITE 2	341702N 1113735E	CH	S088549
LONING ICBM SITE 2	341702N 1113735E	CH	S088513
CHENCHIANG ARMY BARRACKS SW AL1	320855N 1192038E	CH	S088207
CHENCHIANG ARMY BARRACKS AL2 + HQ INF/AAA DIV	320431N 1191724E	CH	S088206
PUCHEN ARMY BARRACKS AL1 + HEADQUARTERS	321023N 1184000E	CH	S088199
NANCHING ARMY BARRACKS AL14 + HQ INFANTRY DIV	320323N 1185408E	CH	S088201

25X1^{25X1}

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

NANCHING ARMY BARRACKS AL15	320436N 1185559E	CH	S088202
LIENYUNCHIANG NAVAL FACILITY U/G U/C	344226N 1192843E	CH	S086868
YUCHIH NAVAL BASE PROB U/C	354311N 1195948E	CH	S085989
CHENCHIANG MILITARY AREA 1	3213 N 11926 E	CH	S088205
NANCHING MILITARY AREA 1	3203 N 11847 E	CH	S088200
PUCHEN MILITARY AREA 1	3209 N 11841 E	CH	S088198
AIN OUSSERA AIRFIELD FOXBAT MIG-25 VARIANTS	353123N 0025246E	AG	S085976
BISKKA AIRFIELD HIND A MI-24/SHPG CONTS IDENT	344736N 0054417E	AG	S086689
TOZEUR AIRFIELD	335612N 0080957E	TS	S086028
TARABULUS MILITARY INSTL ESE AIR DEF SCHOOL	325145N 0132500E	LY	S087742
TAJURA NUCLEAR RESEARCH CENTER PROB U/C	325006N 0132657E	LY	S087756
TARABULUS PORT FACILITIES ARMS DELIVERY SOV	325408N 0131127E	LY	S086890
TARABULUS PORT FACILITIES ARMS DELIVERY SOV	325408N 0131127E	LY	S086890
TARABULUS PORT FACILITIES ARMS SHIPMENTS SOV	325408N 0131127E	LY	S088024
TARABULUS PORT FACILITIES ARMS SHIPMENT	325408N 0131127E	LY	S088071
TARABULUS PORT FACILITIES ARMS SHIPMENT	325408N 0131127E	LY	S088071
TARABULUS PORT FACILITIES ARMS SHIPMENTS SOV	325408N 0131127E	LY	S088024
MISRATAH AIRFIELD CONSTRUCTION PROGRESS	321928N 0150350E	LY	S087712
MISRATAH AIRFIELD HOPLITE MI-2 DPL IDENT	321928N 0150350E	LY	S087545
MISRATAH AIRFIELD	321928N 0150350E	LY	S088318
OKBA IBN NAFA AIRFIELD FOXBAT MIG-25 IMPORTS	325346N 0131632E	LY	S085857
OKBA IBN NAFA AIRFIELD FOXBAT MIG-25 IDENT	325346N 0131632E	LY	S084652
OKBA IBN NAFA AIRFIELD A/C DISPLAY AA-6 IDENT	325346N 0131632E	LY	S087550

25X1

935

TOP SECRET CHESS RUFF

25X1

25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

OKBA IBN NAFA AIRFIELD FOXBAT MIG-25 ASSEMBLY	325346N	0131632F	LY	S087686
OKBA IBN NAFA AIRFIELD A/C DISPLAY AA-6 IDENT	325346N	0131632E	LY	S087550
EL UOTIA AIRFIELD STAR-SHAPED BUILDINGS U/C	322810N	0115400E	LY	S087401
EL UOTIA AIRFIELD CONSTRUCTION PROGRESS	322810N	0115400E	LY	S087708
BANGHAZI MILITARY TRNG FACIL EQUIP FORMATION	320325N	0200437E	LY	S088141
TUBRUQ MILITARY STORAGE FACILITY U/C	320224N	0235543E	LY	S085897
BANGHAZI MILITARY VEHICLE STGE 2 ARMOR INCR	320358N	0200454E	LY	S088075
TUBRUQ SUBMARINE TRAINING SCHOOL	320609N	0235825E	LY	S088291
BANGHAZI PORT FACILITIES ARMS TRSHPMT SOVIET	320714N	0200307E	LY	S088073
BANGHAZI PORT FACILITIES ARMS TRSHPMT SOVIET	320714N	0200307E	LY	
TUBRUQ PORT FACILITIES NAVAL SHIP RPR FAC U/C	320455N	0235850E	LY	S086376
TUBRUQ PORT FACILITIES NAVAL SHIP RPR FAC U/C	320455N	0235850E	LY	
TUBRUQ PORT FACILITIES NAVAL SHIP RPR FAC U/C	320455N	0235850E	LY	
TUBRUQ PORT FACILITIES ARMS SHIPMENT	320455N	0235850E	LY	S088417
BANGHAZI ARMY BARRACKS EAST MRL CONC IDENT	320706N	0200611E	LY	S088145
BENINA AIRFIELD CONSTRUCTIONAL CHANGES	320545N	0201630E	LY	S087715
BENINA AIRFIELD FOXBAT MIG-25/HIND IDENTIFIED	320545N	0201630E	LY	S088221
BENINA AIRFIELD	320545N	0201630E	LY	S088318
LABRAQ AIRFIELD REDEVELOPMENT	324739N	0215750E	LY	S088471
AL BUMBAH AIRFIELD NORTH CONSTRUCTION PROG	322708N	0230717E	LY	S087719
AL BUMBAH AIRFIELD NORTH	322708N	0230717E	LY	S087479
TUBRUQ AIRFIELD CONSTRUCTION PROGRESS	320603N	0235032E	LY	S088491
BANGHAZI MILITARY PARADE FORMATION	320700N	0200421E	LY	S088242

25X1

936

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

25X1

AL QUTAYTAH ARMY BARRACKS/TRAINING CENTER HQ
AL QUTAYTAH ARMY BARRACKS/TRAINING CENTER HQ

334442N 0363615E SY S088174
334442N 0363615E SY

25X1

TIYAS AIRFIELD FOXHAT MIG-25 IDENTIFIED

343122N 0373745E SY S088249

TIYAS AIRFIELD AS-7 CONTAINERS IDENTIFIED
TIYAS AIRFIELD AS-7 CONTAINERS IDENTIFIED

343122N 0373745E SY S088649
343122N 0373745E SY

TIYAS AIRFIELD AS-9 CONTAINERS IDENTIFIED
TIYAS AIRFIELD AS-9 CONTAINERS IDENTIFIED

343122N 0373745E SY S088425
343122N 0373745E SY

BAGHDAD SAM TRAINING AREA TAJI

333215N 0441600E IZ S088139

BAGHDAD AIR DEPOT TAJI SS-1 TEL MAZ-543

333125N 0441425E IZ S086339

BAGHDAD AIR DEPOT TAJI ARMS TRANSSHIPMENT

333125N 0441425E IZ S086384

BAGHDAD AIR DEPOT TAJI SS-1 TEL MAZ-543

333125N 0441425E IZ S086339

BAGHDAD AIR DEPOT TAJI ARMS TRANSSHIPMENT

333125N 0441425E IZ S086384

BAGHDAD AIR DEPOT TAJI T-72 TANKS IDENTIFIED

333125N 0441425E IZ S087976

TIKRIT MILITARY BARRACKS ALBU ALI/HQ BRIGADE

344300N 0433700E IZ S088243

BAGHDAD MILITARY BKS/SCHOOL/HQ T-72 TANK DPL

331735N 0442818E IZ S088077

MANSURIYAT AL JABAL MILITARY BKS/DPO/TRNG CTR
MANSURIYAT AL JABAL MILITARY BKS/DPO/TRNG CTR
MANSURIYAT AL JABAL MILITARY BKS/DPO/TRNG CTR
KHAN AL MAHAWIL MILITARY BARRACKS/AMMO DEPOT
KHAN AL MAHAWIL MILITARY BARRACKS/AMMO DEPOT

340229N 0450002E IZ S088243
340229N 0450002E IZ
340229N 0450002E IZ
324237N 0442404E IZ
324237N 0442404E IZ

TOP SECRET CHESS RUFF

25X1
25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

BAGHDAD MILITARY BARRACKS/HQ BRGD/DPO/SCHOOL
BAGHDAD MILITARY BARRACKS/HQ BRGD/DPO/SCHOOL

333140N 0441620E
333140N 0441620E

IZ S088197
IZ

25X1

AR RAMADI MILITARY BARRACKS ARMS TRSHPMT

332620N 0431455E

IZ S086384

JALULA MILITARY BARRACKS NORTH

341714N 0450935E

IZ S088243

H-3 AIRFIELD CONSTRUCTION ACTIVITY

325616N 0394444E

IZ S086672

RUWAYSHID AIRFIELD IRAQI RADARS SOVIET TYPE

322455N 0390845E

JO S085887

ESFAHAN IRON + STEEL PLANT

322540N 0511950E

IR S088306

TABAS EARTHQUAKE DAMAGE

333545N 0565525E

IR S085590

KUSHKA RADIO RELAY STATION

351603N 0622137E

UR S086316

KUSHKA ARMY BARRACKS AL1/HQ MRD FORCE MOV

351631N 0622020E

UR S086888

KUSHKA ARMY BARRACKS AL1/HQ MRD DEPARTURE ACT

351631N 0622020E

UR S088256

KUSHKA ARMY BKS AL1/HQ MRD COMBAT UNIT MOV

351631N 0622020E

UR S088655

HERAT ARMY BKS DIV/HQ REGIMENT COMBAT DAMAGE
HERAT MILITARY COMPLEX COMBAT DAMAGE

342137N 0621513E
342105N 0621130E

AF S086881
AF

RAWALPINDI RADIO RELAY STATION

333720N 0725935E

PK S086034

MURID RADIO RELAY STATION

325540N 0724840E

PK

SARGODHA RADIO RELAY STATION

320600N 0724100E

PK

DHANDA RADIO RELAY STATION

331210N 0725550E

PK

25X1

TOP SECRET CHESS RUFF

25X1
25X1

[Redacted]

TOP SECRET CHESS RUFF

[Redacted]

[Redacted]

25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

[Redacted]

25X1

25X1

[Redacted]

[Redacted]

JHELUM MILITARY BARRACKS + HEADQUARTERS DIV
KABUL ARMY BKS DIV + REGT HQ BATTLE DAMAGE

325542N 0734255E PK S088175
342457N 0690823E AF S088651

25X1

[Redacted]

BAGRAM AIRFIELD AIRBORNE INFANTRY BN SOV PROB
RANGAO ARMY BARRACKS AL1
PANGTA ENGINEER BARRACKS AL1
KUNGKA MILITARY VEHICLE MAINTENANCE/STGE DPO
LASA MILITARY BARRACKS AL4 + HQ TIBET MD

345700N 0691602E AF S088622
294445N 0960650E CH S086583
303338N 0970638E CH
291647N 0910108E CH
293846N 0910740E CH

TOP SECRET CHESS RUFF

[Redacted]

[Redacted]

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

LASA ARMY BARRACKS SOUTH AL2
 KOTA ARMY BARRACKS AL1
 LINCHIH ARMY BARRACKS AL1
 CHUEHMU ARMY BARRACKS/DEPOT/SUPPORT AREA
 CHUEHMU ARMY BARRACKS/DEPOT/SUPPORT AREA
 LASA ARMY BARRACKS WEST AL5
 LINCHIH ARMY BARRACKS AL2
 TSUMUTSUNG ARMY BARRACKS NW + HQ DIVISION
 DZEM ARMY BARRACKS AL1
 KUNGPUCHIANGTA ARMY BARRACKS AL1
 LASA ARMY MOTOR TRANSPORT BARRACKS + STGE AL7
 LASA ARMY MOTOR TRANSPORT BARRACKS + STGE AL7

293755N 0910830E CH
 295133N 0954557E CH
 292951N 0942727E CH
 294028N 0942040E CH
 294028N 0942040E CH
 293827N 0910141E CH
 293353N 0942906E CH
 294543N 0941521E CH
 294749N 0935803E CH
 295310N 0931425E CH
 293912N 0910312E CH
 293912N 0910312E CH

LASA SSM/SPACE TRACKING FACILITY

293855N 0910516E CH

S087595

LASA SSM/SPACE TRACKING FACILITY

293855N 0910516E CH

S087569

OLANG MILITARY BARRACKS AREA

290820N 0934218E CH

S086583

MILIN ARMY BARRACKS AL2

291120N 0940322E CH

KANGKO MILITARY BARRACKS AREA

291922N 0942330E CH

DZEM ARMY BARRACKS AL2

294845N 0935010E CH

YANGPACHING GEOTHERMAL POWER STATION

300321N 0902939E CH

S086492

CHUEHNEHSI MILITARY BARRACKS AREA

284220N 0893825E CH

S086583

JIHKOTSE ARMY BARRACKS AL4

291900N 0890210E CH

CHUANTU MILITARY BARRACKS AREA

282620N 0893530E CH

JIHKOTSE ARMY BARRACKS AL2

291456N 0885247E CH

CHIANGTzu ARMY BARRACKS

285500N 0893620E CH

CHIANGTzu ARMY BARRACKS NW

285702N 0893130E CH

JIHKOTSE MILITARY AREA EAST

292001N 0885803E CH

JIHKOTSE ARMY BARRACKS AL3

291540N 0885205E CH

DEHRA DUN INTERNATIONAL SATELLITE GROUND STA

301032N 0780635E IN

S088330

NEW DELHI SATELLITE STATION DOMESTIC

283644N 0771100E IN

S088329

SHEKUPURA RADIO RELAY TERMINAL SOUTH

313645N 0735320E PK

S086034

CHINOT RADIO RELAY STATION

314330N 0725930E PK

25X1

25X1

940

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

LAHOKE ATOMIC ENERGY CENTER	313044N 0742001E	PK	S087031
AMBALA MILITARY BARRACKS BMP APC IDENT	302110N 0765020E	IN	S086876
CHANDIGARH ORDNANCE RSCH LAB TEST/CONST ACT	303830N 0765400E	IN	S087423
LYALLPUR RADIO RELAY TERMINAL TOSHIBA	312545N 0730619E	PK	S086034
LAHORE RADIO RELAY TERMINAL TOSHIBA	313340N 0741950E	PK	

25X1

25X1

25X1

RAS KUH MOUNTAIN RANGE TUNNELING ACTIVITY U/I	284709N 0645535E	PK	S087912
---	------------------	----	---------

25X1

--	--	--	--

BANDAR E SHAHPUR PORT FACILITIES ACT DECREASE	302520N 0490450E	IR	S086312
KHORRAMSHAHR PORT FACILITIES DISRUPTIONS	302615N 0480910E	IR	

AZ ZUBAYR MILITARY INSTALLATION SOUTH CONVOY	302030N 0474120E	IZ	S086076
--	------------------	----	---------

AD DIWANIYAH MILITARY BARRACKS + HQ BRIGADE	315837N 0445520E	IZ	S088243
AL BASRAH MILITARY BKS/ORD DPO ASH SHUAYBAH	302505N 0474125E	IZ	
AL BASRAH MILITARY BKS/ORD DPO ASH SHUAYBAH	302505N 0474125E	IZ	

AZ ZUBAYR MILITARY BARRACKS SE CONVOY	302215N 0474242E	IZ	S086076
---------------------------------------	------------------	----	---------

UMM QASR PORT FACILITIES HIND MI-24 SHPG CONT	300152N 0475657E	IZ	S085790
---	------------------	----	---------

UMM QASR PORT FACILITIES	300152N 0475657E	IZ	S086711
--------------------------	------------------	----	---------

AS ZUBAYR MILITARY INSTALLATION SOUTH	302030N 0474120E	IZ	S088243
---------------------------------------	------------------	----	---------

SHAIBAH AIRFIELD HIND D MI-24 IDENTIFICATION	302535N 0473842E	IZ	S086466
--	------------------	----	---------

941

TOP SECRET CHESS RUFF

25X1

25X1

TOP SECRET CHESS RUFF

25X1

WAC/DE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

SHAIIBAH AIRFIELD HIND MI-24 CONT NEW IDENT
 RAM ALLAH ARMOR CAMP MECH INF BRGD NEW IDENT
 AL QAHIRAH GUIDED MSL DEV/RKT PLT BM-11 ASBLY
 AL ISKANDARIYAH SAM TRNG SITE 26 CSA-1 EQUIP

302535N 0473842E IZ S086882
 315232N 0351058E JO S086347
 300500N 0312331E EG S086176
 311850N 0300322E EG S088388

25X1

25X1

AL QAHIRAH ALMAZA AIRFIELD HAY-SERIES ANTENNA
 AL QAHIRAH AIRFIELD WEST HAY-SERIES ANTENNAS
 REFIDIM AIRFIELD ISRAELI WITHDRAWAL PREPS
 REFIDIM AIRFIELD HANGARETTE DISMANTLEMENT
 JIYANKLIS AIRFIELD NEW FARMER FUSELAGE CONTS
 AZ ZAQAQIQ AIRFIELD HAY-SERIES ANTENNAS
 MATRUH SA-6 SUPPORT FACILITY 2 SA-6 TRSHPMT
 GULF OF SOLLUM ANCHORAGE SOVIET NAVAL UNITS
 AL ISKANDARIYAH PORT FACILITIES
 KANBUTH AIRFIELD 3 REDEVELOPMENT
 MARBLE ARCH AIRFIELD CABLE-LAYING UNIT POSS
 AZ ZUWAYTINAN AIRFIELD
 HUN AIRFIELD RUNWAY CONSTRUCTION
 SURT AIRFIELD
 NINGPO RADIO COMMUNICATIONS STATION EAST

300536N 0312128E EG S088534
 300706N 0305500E EG
 302450N 0330904E FG S087297
 302450N 0330904E EG S087711
 304918N 0301125E EG S086183
 303550N 0313956E EG S088534
 312035N 0271240E EG S086898
 314700N 0253500E EG S086630
 311140N 0295255E EG S086552
 315055N 0243553E LY S088490
 302735N 0183430E LY S088474
 305217N 0200431E LY S088318
 290650N 0155710E LY S088339
 310334N 0163549E LY S088318
 295420N 1213600E CH S087377

TOP SECRET CHESS RUFF

25X1
 25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

NINGPO ELINT FACIL PROB COMSAT STA DOMESTIC	300600N 1213300E	CH	S086023
NINGPO ELINT FACIL PROB COMSAT STA DOMESTIC	300600N 1213300E	CH	
MUTU MILITARY TRAINING AREA	311425N 1203315E	CH	S088212
SHANGHAI GUIDED MSL PROD PLT CSS-X-4/CSL-2	310027N 1212325E	CH	S087327
SHANGHAI GUIDED MSL PROD PLT CSS-X-4/CSL-2	310027N 1212325E	CH	
CHINSHANWEI VINYLON PLANT	304225N 1211900E	CH	S086824
SHANGHAI SHIPYARD KIANGNAN DOCK COMPANY EXPSN	311205N 1212901E	CH	S086324
SHANGHAI SHIPYARD KIANGNAN SESS OPTICAL TRKG	311205N 1212901E	CH	S087539
SHANGHAI SHIPYARD KIANGNAN SUBMERSIBLE ACT	311205N 1212901E	CH	S088415
SHANGHAI SHIPYARD KIANGNAN YUAN WANG CL SESS	311205N 1212901E	CH	S088323
SHANGHAI SHIPYARD KIANGNAN YUAN WANG CL SESS	311205N 1212901E	CH	S088291
SHANGHAI SHIPYARD CHUNGHUA EXPANSION	311703N 1213334E	CH	S086324
SHANGHAI SHIPYARD WEST	311524N 1213103E	CH	S087142
TINGHAI NAVAL BASE + SHIPYARD PUG EXPANSION	300038N 1220456E	CH	S086324
TINGHAI NAVAL BASE + SHIPYARD PUG EXPANSION	300038N 1220456E	CH	
TINGHAI NAVAL FACILITY PUG + SHIPYARD	300038N 1220456E	CH	S086868
TINGHAI NAVAL FACILITY PUG + SHIPYARD	300038N 1220456E	CH	
SHANGHAI SHIPYARD PUTUNG	311504N 1213103E	CH	S087141
TINGHAI NAVAL BASE EXPANSION	300021N 1220636E	CH	S085989
SHANGHAI NAVAL BASE WUSUNG EXPANSION	312340N 1212959E	CH	
HSIANGSHAN NAVAL FACILITY EXPANSION	293214N 1214619E	CH	
HSIANGSHAN NAVAL FACILITY	293214N 1214619E	CH	S088771
WENCHOU SHIPYARD + NAVAL FACILITY	280130N 1204006E	CH	S087140
WENCHOU SHIPYARD + NAVAL FACILITY	280130N 1204006E	CH	
LINGCHIACHIAO ARMY BARRACKS WEST AL1	300913N 1200156E	CH	S087788

25X1

943

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1
25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

SUCHOU ARMY BARRACKS AL1 + HQ INFANTRY DIV	311835N 1203538E	CH	S088209
SUNGCHIANG GUIDED MSL PROD PLT CSS-X-4/CSL-2	305800N 1211242E	CH	S087327
SUNGCHIANG GUIDED MSL PROD PLT CSS-X-4/CSL-2	305800N 1211242E	CH	
TAHSIEN SUBMARINE BASE PUG	295357N 1215719E	CH	S086868
WUHSING ARMY BARRACKS AL1 + HEADQUARTERS	305502N 1200357E	CH	S087783
HANGCHOU ARMY BARRACKS AL1 + HQ INFANTRY DIV	301435N 1200320E	CH	S087787
KUANCHUANGTSUN MOTOR TORPEDO BOAT BASE/SHPYD	295246N 1220033E	CH	S086370
KUANCHUANGTSUN MOTOR TORPEDO BOAT BASE/SHPYD	295246N 1220033E	CH	
MUTU ARMY BARRACKS NW AL1	311711N 1202833E	CH	S088211
MUTU ARMY BARRACKS WEST AL2	311626N 1202252E	CH	S088210
TINGHAI DESTROYER PIERS EXPANSION	300035N 1220333E	CH	S085989
CHIUNANTIEN NAVAL FACILITY	291100N 1215631E	CH	S086868
WUHSING ARMY BARRACKS AL3	305404N 1200210E	CH	S087784
WUHSING ARMY BARRACKS AL5	305448N 1200001E	CH	S087791
HSIANGSHAN NAVAL FACILITY WEST PUG	293135N 1214115E	CH	S086868
HSINHSIANG NAVAL FACILITY PUG	301519N 1221852E	CH	
WUSHING MISSILE PRPLN R+D PRPLNT VEH TYPE M	304450N 1200135E	CH	S085267
WUHSING MISSILE PROPULSION R+D CENTER	304450N 1200135E	CH	S087003
WUHSING MISSILE PROPULSION R+D CENTER	304450N 1200135E	CH	S087628
KUANCHUANGTSUN NAVAL FACILITY U/G	295348N 1215938E	CH	S086868
CHUCHIACHIEN COASTAL DEFENSE CRUISE MSL SITE	295420N 1222456E	CH	S086120
CHIAHSING ARMY BARRACKS AL1	304605N 1204650E	CH	S087785
CHENCHIEN COASTAL DEFENSE CRUISE MISSILE SITE	304321N 1224941E	CH	S086121

25X1

944

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

SUCHOU AIRFIELD WEST 2 SUPPORT FACILITY A U/G
 SUCHOU AIRFIELD WEST 2 SUPPORT FACIL A1 U/G
 SUCHOU AIRFIELD WEST 2 SUPPORT FACIL A2 U/G

311627N 1202500E
 311626N 1202442E
 311627N 1202517E

CH
 CH
 CH

S087217
 S087217
 S087217

25X25X1

TAHSIEN NAVAL FACILITIES APPROACHES

2953 N 12157 E

CH

S086369

WUHSING MILITARY AREA 1

3052 N 12006 E

CH

S087782

HANGCHOU MILITARY AREA 1

3015 N 12010 E

CH

S087786

SUCHOU MILITARY AREA 1

3118 N 12037 E

CH

S088208

SHANGHAI/CHIANGWAN AIRFIELD RADARS
 SHANGHAI/TACHANG AIRFIELD RADARS

312021N 1213020E
 311930N 1212425E

CH
 CH

S088703
 S088703

SUCHOU AIRFIELD WEST 2

311544N 1202408E

CH

S087217

NANCHING RADIO RELAY STATION BUNKERED

315212N 1184630E

CH

S087378

LOPING VINYLON PLANT
 CHAOHSIEN VINYLON PLANT

285503N 1170726E
 313850N 1175210E

CH
 CH

S086824
 S086824

CHANGHSING ARMY BARRACKS AL3

305645N 1195928E

CH

S087792

NANCHANG AIRFRAME + MISSILE PLANT 320 NAN B
 NANCHANG AIRFRAME + MISSILE PLANT 320 FRESCO
 NANCHANG AIRFRAME + MISSILE PLT FANTAN A F-9
 NANCHANG AIRFRAME + MISSILE PLANT 320 NAN B
 NANCHANG AIRFRAME + MISSILE PLT FANTAN A F-9
 NANCHANG AIRFRAME + MISSILE PLANT 320 FRESCO

283752N 1155526E
 283752N 1155526E
 283752N 1155526E
 283752N 1155526E
 283752N 1155526E
 283752N 1155526E

CH
 CH
 CH
 CH
 CH
 CH

S085889
 S085889
 S085889
 S085889
 S085889
 S085889

NANCHANG AIRFRAME + MSL PLANT CR MSL CRT PROD
 NANCHANG AIRFRAME + MSL PLANT CR MSL CRT PROD
 NANCHANG AIRFRAME + MSL PLANT CR MSL CRT PROD

283752N 1155526E
 283752N 1155526E
 283752N 1155526E

CH
 CH
 CH

S086482
 S086482
 S086482

NANCHANG AIRFRAME + MISSILE PLANT 320 NAN B
 NANCHANG AIRFRAME + MISSILE PLANT 320 NAN B

283752N 1155526E
 283752N 1155526E

CH
 CH

S086610
 S086610

NANCHANG AIRFRAME + MISSILE PLANT 320
 NANCHANG AIRFRAME + MISSILE PLANT 320

283752N 1155526E
 283752N 1155526E

CH
 CH

S087661
 S087661

HOFEI ALUMINUM PLANT

315651N 1171610E

CH

S088444

945

TOP SECRET CHESS RUFF

25X1

25X1

TOP SECRET CHESS RUFF

25X1
25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

WUCHANG LOCOMOTIVE + RAILROAD CAR PLANT	303512N 1141907E	CH	S087515
WUCHANG LOCOMOTIVE + RR CAR PLANT PRPLNT CARS	303512N 1141907E	CH	S088088
PUKOUCHAN ARMY BARRACKS NE AL2	315640N 1185509E	CH	S088203
NANCHING ARMY BARRACKS AL21	315443N 1185206E	CH	S088204
CHINHUA ARMY BARRACKS AL1 + HQ INFANTRY DIV	290743N 1193801E	CH	S087794
CHINHUA ARMY BARRACKS NW AL2	290912N 1193707E	CH	S087795
NANCHANG ARMY BARRACKS AL7 + HQ INFANTRY DIV	283621N 1155419E	CH	S088181
NANCHANG INFANTRY SCHOOL	284017N 1154701E	CH	S088182
IHSING ARMY BARRACKS AL1 + HQ INFANTRY DIV	311717N 1194727E	CH	S087790
WUHU SHIPYARD EXPANSION	312102N 1182105E	CH	S086324
CHUHSIEN ALUMINUM PLANT	285345N 1185320E	CH	S088444
KUANGCHI SHIPYARD PPS-TYPE SOV PONTOON BRIDGE	294903N 1153044E	CH	S086909
KUANGCHI SHIPYARD	294903N 1153044E	CH	S088770
LIENKENGWANG SSM SITE GARRISON 1	301226N 1174432E	CH	S088233
LIENKENGWANG SSM SITE GARRISON 2	301045N 1173941E	CH	
LIENKENGWANG SSM SITE GARRISON 3	300918N 1173854E	CH	
LIENKENGWANG IRBM SITE 4	300202N 1173634E	CH	S086333
LIENKENGWANG IRBM SITE 5	300636N 1173433E	CH	
LIENKENGWANG IRBM SITE 6	300846N 1173421E	CH	
LIENKENGWANG SSM SITE GARRISON 7	301137N 1174208E	CH	S088233
LIENKENGWANG IRBM SITE 8	300446N 1173443E	CH	S086333
FANGCHI ARMS PLANT WSW	281950N 1143110E	CH	S087153
IHSING MILITARY AREA 1	3122 N 11950 E	CH	S087789
CHINHUA MILITARY AREA 1	2907 N 11939 E	CH	S087793

25X1
25X1

94b

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1
25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

NANCHANG MILITARY AREA	2840 N 11553 E	CH	S088180
LIENKENGWANG SSM COMPLEX	301200N 1174330E	CH	S088557
LIENKENGWANG SSM COMPLEX	301200N 1174330E	CH	S088556
CHANGSHA AIRCRAFT ENGINE REPAIR FACILITY PROB	280006N 1130143E	CH	S086133
CHANGSHA AIRCRAFT ENGINE TEST FACILITY WEST	281307N 1124738E	CH	S085778
CHINGSHAN SSM FIELD POSITION ABANDONED PROB	310513N 1130717E	CH	S087953
CHINGMEN SEAPLANE STATION	305900N 1120335E	CH	S086271
CHINGMEN SEAPLANE STATION	305900N 1120335E	CH	S086276

25X1

MEISHAN HEAVY INDUSTRY	295830N 1034310E	CH	S087515
TZUYANG INDUSTRIAL CPLX LOCO + STOCK PLT 431	300823N 1043722E	CH	
TZUYANG INDUSTRIAL CPLX LOCO + STOCK PLT 431	300823N 1043722E	CH	
HSIAOPACHANG INDUSTRIAL FACILITY	313610N 1041855E	CH	S085757
HSIAOPACHANG INDUSTRIAL FACILITY	313610N 1041855E	CH	S086012
TUNGZU RADIO RELAY STATION ANTENNA AZIMUTH	280100N 1065013E	CH	S085533
MIENYANG MILITARY BARRACKS + STORAGE AREA	313000N 1044535E	CH	S086584
MIENYANG MILITARY BARRACKS + STORAGE AREA	313000N 1044535E	CH	

25X1

SUNGLIN MTC CONSTRUCTION PROGRESS	281420N 1020149E	CH	S086606
-----------------------------------	------------------	----	---------

25X1

947
TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

SUNGLIN MTC MISSILE SERVICE TOWER U/C	281420N 1020149E	CH	S087362
CHANGSHOU VINYLON PLANT	294730N 1070040E	CH	S086824
CHENG TU AIRFRAME PLANT 132 FISHBED F-7 COUNTS	304224N 1035744E	CH	S087026
CHENG TU AIRFRAME PLANT 132 FLOGGER SHPG CONTS	304224N 1035744E	CH	S087693
CHENG TU AIRCRAFT ENGINE PLANT 420	303858N 1040653E	CH	S086489
CHENG TU RADAR PLANT 784	304037N 1040700E	CH	S085603
ANHSIEN AEROSPACE R+D FACILITY TEST BUILDINGS	314221N 1042832E	CH	S086748
ANHSIEN AEROSPACE R+D FACIL WIND TNL CMPNTS	314221N 1042832E	CH	S086808
ANHSIEN AEROSPACE R+D FACILITY HORIZONTAL TK	314221N 1042832E	CH	S086750
ANHSIEN AEROSPACE R+D FACILITY WIND TUNNEL	314221N 1042832E	CH	S086753
ANHSIEN AEROSPACE R+D FACILITY	314221N 1042832E	CH	S086791
ANHSIEN AEROSPACE R+D FACILITY	314221N 1042832E	CH	S086749
ANHSIEN AEROSPACE R+D FACILITY	314221N 1042832E	CH	S086747
ANHSIEN AEROSPACE R+D FACILITY	314221N 1042832E	CH	S086751
ANHSIEN AEROSPACE R+D FACILITY WIND TUNNEL	314221N 1042832E	CH	S086938
IZUTUNG HIGH EXPLOSIVES FAB/TEST CPLX AREA 1	314516N 1051957E	CH	S085826
POULING SHIPYARD SUBMARINE CONSTRUCTION	294445N 1071828E	CH	S087136
HSIFENG RADIO RELAY STATION ANTENNA AZIMUTH	270820N 1064550E	CH	S085533
CHINGCHEN VINYLON PLANT	263210N 1062900E	CH	S086824
HSUANWEI RADIO RELAY STATION ANTENNA AZIMUTH	261215N 1040920E	CH	S085533
YENCHIAO RADIO RELAY STATION SW ANT AZIMUTH	261706N 1051424E	CH	
PANCHIAO RADIO RELAY STATION ANTENNA AZIMUTH	263835N 1044210E	CH	

25X1

25X1

943

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

25X1

CHANI POLYVINYL ALCOHOL PLANT	254515N 1035415E	CH	S086824
TIENWEI MTC SSM ACTIVITY POSS	255420N 1025430E	CH	S085862
TIENWEI MTC SSM ACTIVITY POSS	255420N 1025430E	CH	S085861
KAIYANG URANIUM ORE CONCENTRATION PLANT U/C	271530N 1064800E	CH	S087017
SUNGLIN SSM/SPACE TRACKING FACILITY	275341N 1021408E	CH	S088580
SUNGLIN SSM/SPACE TRACKING FACILITY	275341N 1021408E	CH	S088529
TIENWEI MTC SSM SUPPORT AREA 1	255420N 1025430E	CH	S085862
TIENWEI MTC SSM SUPPORT AREA 2	255521N 1024943E	CH	
TIENWEI MTC SSM SUPPORT AREA 3	255404N 1025000E	CH	
PINGPA AIRCRAFT PRPLN R+D CTR ENG TEST AREA	262215N 1061602E	CH	S086771
PINGPA AIRCRAFT PROPULSION SYSTEM R+D CENTER	262215N 1061602E	CH	S086788
PINGPA AIRCRAFT PRPLN R+D CTR ENG TEST BLDG	262215N 1061602E	CH	S086764
PINGPA AIRCRAFT PRPLN R+D CTR IND AREA POSS	262215N 1061602E	CH	S086768
PINGPA AIRCRAFT PRPLN R+D CTR ENG TEST BLDGS	262215N 1061602E	CH	S086770
PINGPA AIRCRAFT PRPLN R+D CTR ASBLY/SHOP AREA	262215N 1061602E	CH	S086769
PINGPA AIRCRAFT PROPULSION SYSTEM R+D CENTER	262215N 1061602E	CH	S088279
KUNMING SSM FIELD TRAINING POSITION CONST NEW	245208N 1025347E	CH	S087623
TIENWEI MTC SSM SUPPORT FACILITY	255519N 1024949E	CH	S085862
TIENWEI MTC SSM TEST SITE LAUNCHER/LAUNCH PAD	255513N 1024919E	CH	S085860
TIENWEI MTC SSM TEST SITE	255513N 1024919E	CH	S085862
TIENWEI MTC SSM TEST SITE LAUNCH PREPARATIONS	255513N 1024919E	CH	S088218
TIENWEI MTC SSM SUPPORT BASE MAIN	253012N 1025100E	CH	S085862
TIENWEI MTC SSM RTP	250529N 1025231E	CH	

949

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

KUNMING SSM/SPACE TRACKING FACILITY	245435N 1024810E	CH	S087829
KUNMING SSM/SPACE TRACKING FACILITY	245435N 1024810E	CH	S087806
TIENWEI MTC SSM SITE LAUNCH PREPARATIONS	255520N 1024928E	CH	S086085
TIENWEI MTC SSM	255520N 1024928E	CH	S087005
TUYUN RADIO RELAY STATION BKR ANTENNA AZIMUTH	261540N 1072448E	CH	S085533
NANYUEHMET RADIO COMMUNICATIONS STATION NORTH	271815N 1124300E	CH	S085538
TACHIANGKOU VINYLON PLANT	275200N 1102230E	CH	S086824
TANCHOU SSM TRAINING FACILITY SERVICE TOWER	252600N 1092730E	CH	S087816
TANCHOU SSM TRAINING SITE/LAUNCH FACIL POSS	252600N 1092730E	CH	S087802
LATUNG CRUISE MISSILE DEPOT SOUTH PROG U/C	244430N 1093350E	CH	S088228
ISHAN VINYLON PLANT	243100N 1083400E	CH	S086824
HSIANGTAN ELECTRICAL EQUIPMENT PLANT	274832N 1125610E	CH	S087515
HSIANGHSIANG ALUMINA + ALUMINUM PLANT	274340N 1122950E	CH	S088444
LIUCHOU SHIPYARD EXPANSION	241830N 1092740E	CH	S086324
HSINHUA SSM/SPACE TRACKING FACILITY	274605N 1111535E	CH	S088506
HSINHUA SSM/SPACE TRACKING FACILITY AREA B	274605N 1111535E	CH	S088583
HSINHUA SSM/SPACE TRACKING FACILITY AREA A	274605N 1111535E	CH	S088584
LIUCHOU AIRFIELD BEAGLE IL-28/BAT TU-2 DPL	241638N 1092304E	CH	S086464
SUIYANG AIRFIELD	274801N 1071441E	CH	S086194
TUNGTAO ICBM COMPLEX COMMO FAC/EQUIP NEW SRCH	261430N 1095358E	CH	S086946
WUSHIH RADIO RELAY STATION SOUTH	273258N 1165704E	CH	S088122
CHANGTAI ARMY BARRACKS AL1	243920N 1174510E	CH	S087838

25X1,1

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

YUNGAN POLYVINYL ALCOHOL PLANT	255945N 1171815E	CH	5086824
SHAHSIEN SPACE TRACKING FACILITY POSS	262345N 1174830E	CH	5087594
SHAHSIEN SPACE TRACKING FACILITY POSS	262345N 1174830E	CH	5087576
HSIAMEN ARMY BARRACKS AL2 + HEADQUARTERS ARTY	242838N 1180740E	CH	5087840
HSIANGKOU ARMY BARRACKS AL1	242817N 1173331E	CH	5087844
SHENCHING ARMY BARRACKS AL2 + HEADQUARTERS	243616N 1175734E	CH	5087857
TSENGTSO ARMY BARRACKS AL1	244927N 1182426E	CH	5087852
HSINCHIAO ARMY BARRACKS	250216N 1182316E	CH	5087850
CHIUTIEN ARMY BARRACKS AL1 + HQ INFANTRY DIV	245502N 1182659E	CH	5087849
TUNGAN ARMY BARRACKS NORTH AL2	244632N 1180844E	CH	5087855
TUNGAN ARMY BARRACKS NE AL4	244629N 1181414E	CH	5087856
KUANKOU ARMY BARRACKS AL1	244012N 1180145E	CH	5087837
CHUCHOU RAILROAD EQUIPMENT MFG + REPAIR PLANT	275305N 1130716E	CH	5087515
TSENGTSO ARMY BARRACKS NE AL2	245059N 1182542E	CH	5087853
CHUCHOU RAILROAD CAR REPAIR PLANT	275311N 1131151E	CH	5087515
HUNGLAI ARMY BARRACKS AL2	250238N 1183208E	CH	5087851
CHANGCHOU ARMY BARRACKS NORTH AL2	243716N 1173908E	CH	5087839
HSIAMEN ARMY BARRACKS NORTH AL11	243137N 1180626E	CH	5087841
HSIANGKOU ARMY BARRACKS AL2	242608N 1173447E	CH	5087845
HSIANGKOU ARMY BARRACKS AL3	242746N 1173439E	CH	5087847
HSIANGKOU ARMY BARRACKS AL4 + HQ INFANTRY DIV	242431N 1173503E	CH	5087843
HSIANGKOU ARMY BARRACKS AL5	242505N 1173630E	CH	5087846

25X25X1

951

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1
25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

TUNGAN ARMY BARRACKS WEST AL6		244417N 1180417E	CH	S087858
LOCHANG EXPLOSIVES PLANT CHANGCHIHHSU		250438N 1132510E	CH	S085828
KUANKOU MILITARY AREA		2440 N 11800 E	CH	S087836
HSIANGKOU MILITARY AREA		2427 N 11736 E	CH	S087842
CHIUIIEN MILITARY AREA		2500 N 11830 E	CH	S087848
TUNGAN MILITARY AREA		2443 N 11805 E	CH	S087854
TAIHO AIRFIELD		265140N 1144418E	CH	S085958
PUHSIN HIGH EXPLOSIVES TEST FACILITY POSS		244951N 1211250E	TW	S085914
PUHSIN HIGH EXPLOSIVES TEST FACILITY TEST ACT		244951N 1211250E	TW	S086109
[REDACTED]				
SANTUAO NAVAL BASE WEST EXPANSION		263816N 1194006E	CH	S085989
PUMENCHENG NAVAL FACILITY NORTH EXPANSION		271426N 1202231E	CH	
SANTUAO NAVAL BASE SOUTH EXPANSION		263656N 1194028E	CH	
BOUIRAT AIRFIELD HOSTILITIES EVIDENT		275555N 0095800W	MO	S088247
TIFARITI AIRFIELD DISMANTLED/DESTROYED		260900N 0103300W	WI	S087983
TINDOUF MILITARY ACTIVITY		2742 N 00808 W	AG	S087426
GHAT AIRFIELD NORTH U/C		250802N 0100846E	LY	S085754
GHAT AIRFIELD NORTH SF-260 CAMOUFLAGED IDENT		250802N 0100846E	LY	S087132
GHAT AIRFIELD NORTH SF-260 CAMOUFLAGED IDENT		250802N 0100846E	LY	
GHAT AIRFIELD NORTH CONSTRUCTION PROGRESS		250802N 0100846E	LY	S088472
SEBHA AIRFIELD		270105N 0142750E	LY	S088340
KUFRA MILITARY INSTALLATION BM-21 MRL IDENT		241327N 0231757E	LY	S087740
KUFRA MILITARY INSTALLATION ARMS SHIPMENT		241327N 0231757E	LY	S088142

25X1

25X1

952

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

KUFRA AIRFIELD CONSTRUCTION ACTIVITY	241055N 0231908E	LY	S087931
SHARM ASH SHAYKH PORT FAC SPECIAL-PURPOSE AKL	275110N 0341715E	EG	S086670
RAS AT TANNURAH PETROLEUM PIPELINE FIRE	264140N 0500530E	SA	S088216
BANDAR ABBAS PORT FACILITIES	271039N 0561602E	IR	S086312
BANDAR ABBAS PORT FACILITIES SURU	270825N 0561220E	IR	S086712
YATUNG MILITARY COMPOUND	272808N 0885440E	CH	S086583
JENCHINGKANG STRONGPOINT 1	272608N 0885426E	CH	
JENCHINGKANG STRONGPOINT 2	272548N 0885524E	CH	
PIPIANG MILITARY STORAGE AREA	272710N 0885500E	CH	
YATUNG MILITARY ACTIVITY	272915N 0885428E	CH	
HOLGUIN SA-2 SITE FIELD DPL CAMOUFLAGE ACT	204739N 0761907W	CU	S085784
HOLGUIN SA-2 SITE FIELD DPL CAMOUFLAGE ACT	204739N 0761907W	CU	
HOLGUIN AIRFIELD ZPU-2/ZSU-23/24 SP AA GUNS	204707N 0761854W	CU	
PUNTA MOVIDA NAVAL FACILITY F/W CL SS IDENT	220315N 0802640W	CU	S087291
PUNTA MOVIDA NAVAL FACILITY PROB CONST ACT	220315N 0802640W	CU	S086663
PUNTA MOVIDA NAVAL FACILITY PROB CONST ACT	220315N 0802640W	CU	S087518
LA HABANA PORT FACILITIES TURYA CL PCH IDENT	230750N 0822050W	CU	S086352
MARIEL PORT FACILS FLOGGER CMPNT CONT POSS	225940N 0824516W	CU	S085782
MARIEL PORT FACILS FLOGGER CMPNT CONT POSS	225940N 0824516W	CU	
LOURDES SIGINT COMPLEX CENTRAL	225915N 0822755W	CU	S085827
SAN PEDRO MILITARY TRAINING AREA ARMOR TRNG	223822N 0825400W	CU	S087978
SAN ANTONIO DE LOS BANOS AIRFIELD FLOGGER	225217N 0823036W	CU	S085797
SAN ANTONIO DE LOS BANOS AIRFIELD A/C SHELTER	225217N 0823036W	CU	S087917
MIER Y NORIEGA AIRFIELD	232540N 1000706W	MX	S088348
PITSUN RADIO RELAY STATION	232257N 1130243E	CH	S088121

25X1
25X1

953

TOP SECRET CHESS RUFF

25X1

25X1

TOP SECRET CHESS RUFF

25X1

WAC/bE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

HUANGPU NAVAL BASE + SHIPYARD EXPANSION
 HUANGPU NAVAL BASE + SHIPYARD EXPANSION
 KUANGCHOU SHIPYARD TUNGLANG EXPANSION

230510N 1132442E CH S086324
 230510N 1132442E CH
 230430N 1131450E CH

KUANGCHOU SHIPYARD TUNGLANG YU LIANG CL LSM

230430N 1131450E CH S087123

HAIMEN NAVAL BASE + SHIPYARD SHANTOU
 HAIMEN NAVAL BASE + SHIPYARD SHANTOU

231227N 1163708E CH S088766
 231227N 1163708E CH

CHANGNING ARMY BARRACKS AL4 LOW ACT LEVEL

231405N 1140337E CH S086218

TUNGAOWAN NAVAL FACILITY

220125N 1134241E CH S086868

PITSUN MILITARY RADIO COMMO STATION ANTENNAS

232213N 1130641E CH S086031

PAILI NAVAL FACILITY PUG

215939N 1134501E CH S086868

MASHAN RADIO RELAY STATION ANTENNA AZIMUTH

234010N 1081115E CH S085533

NINGMING MILITARY CAMPS NORTH ACTIVITY

221200N 1071100E CH S088652

CHANCHIANG PORT FACILITIES

211052N 1102422E CH S088767

CHANCHIANG NAVAL BASE + SHIPYARD EXPANSION
 CHANCHIANG NAVAL BASE + SHIPYARD EXPANSION

211212N 1102521E CH S085989
 211212N 1102521E CH

CHANCHIANG SHIPYARD NORTH EXPANSION

211422N 1102514E CH S086324

HSIACHUANTAO SUBMARINE BASE PUG

213557N 1123316E CH S086868

TIAOSHUNTSUN PORT FACILITIES CSA-1 EQUIPMENT
 TIAOSHUNTSUN PORT FACILITIES CSA-1 EQUIPMENT

211804N 1102429E CH S087443
 211804N 1102429E CH

TOUMENHSU NAVAL FACILITY PUG

214938N 1122436E CH S086868

HAIKOU AIRFIELD BEAGLE IL-28 COUNT HIGH

200116N 1102048E CH S086225

NANNING/WUYU AIRFIELD AIR O/B INCREASE

223633N 1081037E CH S086337

CHIENSHUI SSM RIM FACILITY ANTENNAS

233950N 1025630E CH S087328

MENGTZU CSA-1 SITE FIELD DEPLOYED NEW IDENT

232428N 1032121E CH S086078

25X1.1

954

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

WENSHAN ARMY BARRACKS WEST AL1 UNIT RETURN	232216N 1041336E	CH	S086891
KAIYUAN ARMY BARRACKS NE AL5 TRUCK/TANK CONC	234355N 1031605E	CH	S086078
CHIENSHUI SSM COMPLEX SITE 3	232422N 1024925E	CH	S086318
CHIENSHUI SSM COMPLEX SITE 9 ANTENNA	235517N 1023458E	CH	S087328
CAO BANG AIRFIELD BATTLE DAMAGE	223925N 1061615E	VM	S086884
MENGTZU AIRFIELD WEST FISHBED F-7 IDENT	232319N 1032031E	CH	S086349
MENGTZU AIRFIELD WEST MILITARY BUILDUP	232319N 1032031E	CH	S086078
MENGTZU AIRFIELD WEST MILITARY BUILDUP	232319N 1032031E	CH	S086078
PINGYUANCHIEH AIRFIELD FANTAN A F-9 IDENT	234257N 1034932E	CH	S086350
TIENYANG AIRFIELD FANTAN A F-9/FISHBED F-7	234311N 1065745E	CH	S086224
TIENYANG AIRFIELD MILITARY ACTIVITY INCREASE	234311N 1065745E	CH	S085978
TIENYANG AIRFIELD MILITARY ACTIVITY INCREASE	234311N 1065745E	CH	S085978
CHIENSHUI SSM COMPLEX	233805N 1025030E	CH	S086752
CHIENSHUI SSM COMPLEX	233805N 1025030E	CH	S086792
PHONG SAVAN AIRFIELD WEST RECONSTRUCTION	192736N 1031142E	LA	S088331
XIENG KHOUANG AIRFIELD RECONSTRUCTION	192653N 1030904E	LA	S088331
DA NANG NAVAL STATION PETYA-1 CL FFL MODIFIED	160700N 1081330E	VM	S085968
DA NANG NAVAL STATION NAVAL UNITS SOV IDENT	160700N 1081330E	VM	S086904
DA NANG NAVAL STA FISHBED FUSELAGE CONT NEW	160700N 1081330E	VM	S087684
DA NANG NAVAL STA FISHBED FUSELAGE CONT NEW	160700N 1081330E	VM	S087684
DA NANG NAVAL STATION ARMS DELIVERY SOVIET	160700N 1081330E	VM	S087974
DA NANG NAVAL STATION SHIPS SOVIET IDENT	160700N 1081330E	VM	S088954
DA NANG NAVAL STATION	160700N 1081330E	VM	S088772
YALUNG NAVAL BASE EXPANSION	181311N 1094146E	CH	S085989

225X1

955

TOP SECRET CHESS RUFF

25X1

25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

YULIN SUBMARINE BASE EXPANSION	181332N 1093244E	CH	
YALUNG NAVAL FACILITY NORTH PUG	181530N 1094320E	CH	S086868
CHANGCHIANG SSM/SPACE TRACKING FACILITY	192139N 1090822E	CH	S087311
CHANGCHIANG SSM/SPACE TRACKING FACILITY	192139N 1090822E	CH	S087346
DA NANG AIRFIELD ARMS DELIVERY SOV/SA-3 EQUIP	160233N 1081215E	VM	S086690
DA NANG AIRFIELD ARMS DELIVERY SOV/SA-3 EQUIP	160233N 1081215E	VM	
DA NANG AIRFIELD ARMS DELIVERY SOV/SA-3 EQUIP	160233N 1081215E	VM	
DA NANG AIRFIELD BEAR D TU-95 DEPLOYMENT	160233N 1081215E	VM	S086910
AL GHAYDAH MILITARY CAMP INFANTRY BN HQ	161150N 0521120E	YS	S087427
JABAL SHABUT MECHANIZED INFANTRY BATTALION	1700 N 05150 E	YS	
THUF INFANTRY BRIGADE HEADQUARTERS	172500N 0510500E	YS	
JUNNAR INTERNATIONAL SATELLITE STATION ARVI	190900N 0735700E	IN	S088327
HYDERABAD NUCLEAR FUEL FABRICATION CPLX CONST	172702N 0783431E	IN	S087624
HYDERABAD NUCLEAR FUEL FABRICATION COMPLEX	172702N 0783431E	IN	S088109
HYDERABAD MISSILE R+D FACILITY DEF R+D LAB	171930N 0783000E	IN	S088098
MADRAS SATELLITE GROUND STATION DOMESTIC	130750N 0801025E	IN	S088328
SRI HARIKOTA ISLAND ROCKET MOTOR TEST FACIL	134456N 0801412E	IN	S087662
SRI HARIKOTA ISLAND PROPELLANT PLANT	134710N 0801220E	IN	
SRI HARIKOTA ISLAND GROUND TELEMETRY SAT TRKG	134045N 0801130E	IN	
SRI HARIKOTA ISLAND SPACE FAC SLV-3 LNCH PREP	134025N 0801335E	IN	S086081
SRI HARIKOTA ISLAND SPACE LAUNCH FACILITY	134025N 0801335E	IN	S087662
SRI HARIKOTA ISLAND SPACE FAC SLV-3 TEST PREP	134025N 0801335E	IN	S087466
SRI HARIKOTA ISLAND ROCKET LAUNCH STATION	134100N 0801340E	IN	S087662
SRI HARIKOTA ISLAND ROCKET TRACKING FACILITY	134108N 0801253E	IN	
MARMAGAO SHIPYARD GOA ORE BARGE CL LCU IDENT	152420N 0734930E	IN	S085984

25X25X1

956

TOP SECRET CHESS RUFF

25X1

25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT	IDHS CODE	COORD	COUN	ACCN NO.
SOCOTRA ANCHORAGE AREA NE NAVAL ACT SOV INCR		124215N 0540830E	YS	S087741
KHORMAKSAR SA-2 SITE ADEN A31		125014N 0445728E	YS	S087664
KHORMAKSAR SA-2 SITE ADEN A35		125250N 0450117E	YS	
ADEN SA-2 SITE 3		124936N 0445327E	YS	
ADEN SAM SUPPORT FACILITY		125218N 0445825E	YS	
ADEN SA-2 SITE 4		125320N 0445710E	YS	
ADEN SA-2 SITE 5		125100N 0445810E	YS	
ASEB MISSILE HANDLING FACILITY U/C		130245N 0424320E	ET	S088393
ASEB RADAR FACILITY COASTAL SURVEILLANCE		130030N 0424450E	ET	S088081
ASEB PORT FACILITIES ARMS DELIVERY SOVIET		130030N 0424530E	ET	S084654
ASEB PORT FACILITIES ARMS DELIVERY SOVIET		130030N 0424530E	ET	
ADEN PORT FACILS NAVAL SHIPS/ARMS SHPMTS SOV		124715N 0450027E	YS	S087750
ADEN PORT FACILS NAVAL SHIPS/ARMS SHPMTS SOV		124715N 0450027E	YS	
ADEN MILITARY BKS/TRNG CTR/SCHOOL T-62 TANKS		124602N 0445055E	YS	S088254
ADEN MILITARY BKS/TRNG CTR/SCHOOL T-62 TANKS		124602N 0445055E	YS	
ADEN AMMUNITION STGE + TEST AREA M-1977 MRL		124745N 0450155E	YS	S086707
ADEN AMMUNITION STGE + TEST AREA M-1977 MRL		124745N 0450155E	YS	
ADEN AMMUNITION STGE + TEST AREA M-1977 MRL		124745N 0450155E	YS	S087721
ADEN AMMUNITION STGE + TEST AREA M-1977 MRL		124745N 0450155E	YS	
ADEN AMMUNITION STGE + TEST AREA FROG-7 EQUIP		124745N 0450155E	YS	S088255
ADEN AMMUNITION STGE + TEST AREA FROG-7 EQUIP		124745N 0450155E	YS	
ADEN AMMUNITION STGE + TEST AREA FROG-7 EQUIP		124745N 0450155E	YS	
ADEN AIRFIELD INTERNATIONAL MAY IL-38 IDENT		124940N 0450150E	YS	S087406
FALAISE AIRFIELD HIND SHIPPING CONTAINERS		124705N 0445005E	YS	S088253
AL ANAD AIRFIELD CONSTRUCTION ACTIVITY		130940N 0444630E	YS	S086030
AL ANAD AIRFIELD CONSTRUCTION		130940N 0444630E	YS	S087405
MITSUWA RADAR FACILITY COASTAL SURVEILLANCE		153710N 0392845E	ET	S088081
KEREN OFFENSIVE AGORDAT/KEREN ROAD MIL ACT		154600N 0382700E	ET	S085786

25X1.1

957

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

25X1,1

KEREN OFFENSIVE GUERRILLA STRONGHOLD CAPTURE	154600N 0382700E	ET	S085796
KEREN OFFENSIVE ARMOR/ARTILLERY CONCENTRATION	154600N 0382700E	ET	S085890
KEREN OFFENSIVE AGORDAT/ASMARA ROAD MIL ACT	154600N 0382700E	ET	S085794
KEREN OFFENSIVE ASMARA/KEREN ROAD MIL ACT	154600N 0382700E	ET	S085788
KEREN OFFENSIVE ASMARA/KEREN ROAD MIL ACT	154600N 0382700E	ET	S085789
KEREN OFFENSIVE MILITARY OCCUPATION COMPLETE	154600N 0382700E	ET	S085800
KEREN OFFENSIVE AGORDAT/ASMARA ROAD MIL ACT	154600N 0382700E	ET	S085792
KEREN DEPLOYMENT AREA NORTH MILITARY ACTIVITY	155330N 0382820E	ET	S086182
ASMARA ARMORED BRIGADE DEPARTURE PREPARATIONS	151900N 0385530E	ET	S085783
ALULA ABA NEGA AIRFIELD RUNWAY CONST PROGRESS	132806N 0393135E	ET	S085752
TESSENEI AIRFIELD	150630N 0364030F	ET	S088478
HUMERA AIRFIELD	141500N 0363500E	ET	S088341
TESSENEI MILITARY OCCUPATION	150625N 0363911E	ET	S084629
BARENTU MILITARY OCCUPATION	150600N 0373558E	ET	S084650
MITSWA MILITARY OCCUPATION	153700N 0392858E	ET	S084630
KHARTOUM AIRFIELD HIP C MI-8 TRANSSHIPMENT	153600N 0323330E	SU	S088080
CAM RANH DF FACILITY FIX-24	120103N 1091017E	VM	S088954
CAM RANH DF FACILITY FIX-24	120103N 1091017E	VM	S088332
TONLE SAP AIRFIELD RUNWAY INTERDICTION	121515N 1043410E	CB	S086096
TONLE SAP AIRFIELD MILITARY CONVOYS	121515N 1043410E	CB	S086100
TONLE SAP AIRFIELD BATTLE DAMAGE	121515N 1043410E	CB	S086098
TONLE SAP AIRFIELD MILITARY CONVOYS	121515N 1043410E	CB	S086100

958

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

BATTAMBANG AIRFIELD BATTLE DAMAGE

130537N 1031336E

CR

S086101

25X25X1

SIEM REAP AIRFIELD BOMB DAMAGE

132432N 1034857E

CB

S086095

KOMPONG SAOM PORT FACILITIES ARMS DELIVERY
KOMPONG SAOM PORT FACILITIES ARMS DELIVERY103846N 1033014E
103846N 1033014ECB
CB

S086072

CAN THO NAVAL BASE

100450N 1054430E

VM

S088773

POCHENTONG AIRFIELD FARMER MIG-19 IDENT NEW

113246N 1045052E

CB

S085793

THITU ISLAND AVIATION FACILITIES EXPANSION

110315N 1141659E

PG

S088331

SPRATLY ISLANDS MILITARY ACTIVITY

083800N 1115430E

PG

S087361

SPRATLY ISLAND AVIATION FACILITIES EXPANSION

083800N 1115430E

PG

S088331

CAM RANH NAVAL + LOG SUPT BASE SS-N-2 IDENT
CAM RANH NAVAL + LOG SUPT BASE SS-N-2 IDENT115445N 1091320E
115445N 1091320EVM
VM

S086077

CAM RANH NAVAL/LOG SUPT BASE SHIPS SOV IDENT

115445N 1091320E

VM

S086893

CAM RANH NAVAL + LOG SUPPORT BASE SHIPS SOV

115445N 1091320E

VM

S087255

CAM RANH NAVAL + LOG SUPPORT BASE SHIPS SOV
CAM RANH PORT FACS NAVAL UNITS SOVIET IDENT115445N 1091320E
115416N 1091235EVM
VM

S088954

NANSHAN ISLAND AVIATION FACILITIES EXPANSION

104425N 1154820E

PG

S088331

JIJIGA AIRFIELD

092128N 0424715E

ET

S088477

PORT BLAIR PORT FACILITIES CHATHAM ISLAND
PORT BLAIR NAVAL BASE114054N 0924354E
114015N 0924340EIN
IN

S088335

PORT BLAIR RADCOM RCVR/XMTR STATION GOVT
PORT BLAIR SHIPYARD ANDAMAN ISLAND SOUTH113934N 0924536E
114010N 0924450EIN
IN

KABRIDAR AIRFIELD

064402N 0441558E

ET

S088479

GODE AIRFIELD CONSTRUCTION ACTIVITY

055620N 0433432E

ET

S088487

ENTEGBE AIRFIELD COMBAT DAMAGE

000230N 0322617E

UG

S087127

NAKASONGOLA AIRFIELD BLINDER TU-22 IDENT

012419N 0322833E

UG

S086895

989

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

KYAKA ROAD BRIDGE/KAGERA RIVER MILITARY ACT	011500S 0312500F	TZ	S085787
MBARARA ARMY BARRACKS BATTLE DAMAGE	003430S 0304140E	UG	S086786
EL PATO AIRFIELD SA-3 EQUIPMENT IDENT	043247S 0811318W	PE	S085992
EL PATO AIRFIELD SA-3 EQUIPMENT IDENT	043247S 0811318W	PE	
BARREIRA DO INFERNO ROCKET TEST RANGE	055500S 0350900W	BP	S087116
POINTE NOIRE AIRFIELD MILITARY INSTL CUBAN	044838S 0115309E	CF	S086137
POINTE NOIRE AIRFIELD MILITARY INSTL CUBAN	044838S 0115309E	CF	
DAR ES SALAAM SA-3 SUPT FAC SA-6 EQUIP IDENT	065400S 0391700E	TZ	S086188
LIMA ARMY BARRACKS + SCHOOL SA-3 REGIMENT	120954S 0770124W	PE	S085992
LIMA ARMY BARRACKS + SCHOOL SA-3 REGIMENT	120954S 0770124W	PE	
SA DA BANDEIRA AIRFIELD AIR DEFENSE ACTIVITY	145533S 0133432E	AO	S086192
MOCAMEDES AIRFIELD NEW AIR DEFENSE ACTIVITY	151545S 0120907E	AO	
SERPA PINTO AIRFIELD AIR DEFENSE ACTIVITY	143815S 0174332E	AO	
SHILENDA ZAPU MILITARY CAMP AIRSTRIKE IDENT	122600S 0253910E	ZA	S087697
MULUNGUSHI MILITARY INSTALLATION BLDGS DAMAGE	143916S 0284853E	ZA	S087544
LUSAKA ARMY BARRACKS SE TYPE-59 TK/ARV IDENT	153055S 0283607E	ZA	S087634
MUMBWA AIRFIELD MILITARY FARMER/MAX IDENT	150400S 0271100E	ZA	S084655
TAMATAVE PORT FACILITIES	180930S 0492530E	MA	S086381
VILA MACHADO MILITARY INSTALLATION ARMOR DPL	191635S 0341206E	MZ	S087681
SALISBURY MILITARY INSTL SOUTH ARMD VEH IDENT	175555S 0310430E	RH	S087994
GWELO/THORNHILL AIRFIELD REVETMENT WALLS	192609S 0295140E	RH	S088390
SALISBURY AIRFIELD REVETMENT WALLS	175522S 0310605E	RH	
SALISBURY AIRFIELD AIRBORNE ASSAULT PREP POSS	175522S 0310605E	RH	S087504
TETE CHINGOZI AIRFIELD COMBAT DAMAGE	160612S 0333820E	MZ	S086467
TETE CHINGOZI AIRFIELD COMBAT DAMAGE	160612S 0333820E	MZ	

25X1

960

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

CUANGAR AIRFIELD INSTALLATION/EQUIPMENT DMG	173600S 0183700E	AO	S087972
ONDANGUA MILITARY CAMP SOUTH	175419S 0155947E	WA	S087665
ONDANGUA MILITARY STORAGE FACILITY	175330S 0155703E	WA	
ONDANGUA MILITARY CAMP EAST	175200S 0155900E	WA	
ENANA AIRFIELD MILITARY ACTIVITY INCREASE	172931S 0161929E	WA	S087547
ENANA AIRFIELD MILITARY ACTIVITY INCREASE	172931S 0161929E	WA	
RUACANA FALLS DAM CUNENE RIVER HOSTILITIES	172230S 0141230E	AO	S087295
ONDANGUA AIRFIELD AIRCRAFT INCREASE	175300S 0155800E	WA	S086695
ONDANGUA AIRFIELD	175300S 0155800E	WA	S087665
MARIANO MELGAR AIRFIELD SA-3 SITES NEW IDENT	164720S 0715310W	PF	S085886
MARIANO MELGAR AIRFIELD SA-3 SITES NEW	164720S 0715310W	PE	S085992
MARIANO MELGAR AIRFIELD SA-3 SITES NEW	164720S 0715310W	PF	
MARIANO MELGAR AIRFIELD SA-3 SITES NEW IDENT	164720S 0715310W	PE	S085886
BAQUEDANO ARMY BARRACKS ARTILLERY CONVOY ACT	200730S 0694457W	CI	S085975
PITQUETE EXPLOSIVES PLANT VARGAS	223654S 0451237W	BR	S087727
INHOMIRIM EXPLOSIVES PLANT ESTRELA	223414S 0431131W	BR	
SAO JORGE DO LIMPOPO MILITARY INSTL ATTACKED	224417S 0320259E	MZ	S088690
SASOLBURG POL STORAGE	264810S 0275105E	SF	S088619

25X1

25X1

961

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC/BE	SUBJECT	IDHS CODE	COORD	COUN	ACCN NO.
	PELINDABA NUCLEAR RESEARCH CTR MIL ACT SEARCH		254700S 0275400F	SF	
	DURBAN POL STORAGE BP SHELL 1 DURBAN POL STORAGE AREA LOUIS BOTHA 2		295830S 0305800E 295830S 0305650E	SF SF	S088619
	DURBAN PORT FACILS RESHEF CLASS PGG SSM ARMED DURBAN PORT FACILS RESHEF CLASS PGG SSM ARMED		295230S 0310230E 295230S 0310230E	SF SF	S087290
	DURBAN PORT FACILITIES RESHEF PGG ASW-CONFIG		295230S 0310230E	SF	S088386
	DURBAN SHIP REPAIR YARD SANDOCK RESHEF CL PGG		295318S 0305942E	SF	S088399
	WELLINGTON HIGH EXPLOSIVES FAB/STGE FAC PROB WELLINGTON HIGH EXPLOSIVES FAB/STGE FAC PROB		333031S 0190155E 333031S 0190155E	SF SF	S088640
	FIRGROVE ROCKET/EXPLOSIVES/PROPELLANT R+D FAC FIRGROVE ROCKET/EXPLOSIVES/PROPELLANT R+D FAC		340420S 0184530E 340420S 0184530E	SF SF	S086375
	CAPE TOWN POL STORAGE 1 MILNERTON CALTEX CAPE TOWN POL STORAGE 2 MILNERTON CALTEX SALDANHA BAY POL STORAGE		335000S 0183200E 335100S 0183240E 325945S 0180200F	SF SF SF	S088619
	EZEIZA ATOMIC RSCH CTR CHEM REPROCESSING PLT		344948S 0583425W	AR	S087362
	BOULOGNE TANK ASSEMBLY PLANT		343000S 0583400W	AR	S087696
	NEUQUEN AIRFIELD CONSTRUCTION ACTIVITY GENERAL ENRIQUE MOSCONI AIRFIELD CONST ACT		385656S 0680925W 454714S 0672746W	AR AR	S086869
	MOLODEZHNYA AIRFIELD SEARCH		674000S 0455120E	AY	S087614

25X1

25X1

TOP SECRET CHESS RUFF

25X1

25X1

Declassified in Part - Sanitized Copy Approved for Release 2014/03/07 : CIA-RDP80T00913A000200030001-4

PART VI

Listing of Reports by Accession Number

Declassified in Part - Sanitized Copy Approved for Release 2014/03/07 : CIA-RDP80T00913A000200030001-4

TOP SECRET CHESS RUFF

25X1

25X1

DIA NBRG NDA06-5097-77 09 NOV 77 SEC CLASS: 05G MSN: 0001P ACCN: S082038

SOVETSKAYA GAVAN NAVAL FACILITIES APPROACHES UR 485930N 1401540E
WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 75 COMIREX NO:

25X1
25X1

DIA NBRG NDA06-5096-77 09 NOV 77 SEC CLASS: 05G MSN: 0001P ACCN: S082039

SOVETSKAYA GAVAN MISSILE PATROL BOAT BASE UR 490148N 1401825E
WAC NO : BE/OBJ NO: NPIC NO : - 29-B
IDHS CODE: EPF CAT : 75B COMIREX NO:

25X1
25X1

NPIC MIPIR CA0150-77 30 DEC 77 SEC CLASS: 14 MSN: 0097P ACCN: S082325 25X1

MIPIR 147/150
WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 15A COMIREX NO:

25X1

NPIC MIPIR CA0165-78 20 JAN 78 SEC CLASS: 14 MSN: 0123P ACCN: S082442 25X1

MIPIR 161/165
WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 15A COMIREX NO:

NPIC IPIR 1213-IPIR007-78 18 DEC 77 SEC CLASS: 14 MSN: 0041P ACCN: S082443 25X1

963
TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

1PIR [redacted] 001/007
WAC NO :
IDHS CODE:

BE/OBJ NO:
EPF CAT : 15A

NPIC NO : -
COMIREX NO:

25X1

NPIC MIPIR CA0169-78 25 JAN 78 [redacted] SEC CLASS: 14 MSN: 0131P ACCN: S082496

25X1

MIPIR 166/169
WAC NO :
IDHS CODE:

BE/OBJ NO:
EPF CAT : 15A

NPIC NO : -
COMIREX NO:

NPIC MIPIR CA0028-78 28 JAN 78 [redacted] SEC CLASS: 14 MSN: 0044P ACCN: S082558

25X1

MIPIR 026/028
WAC NO :
IDHS CODE:

BE/OBJ NO:
EPF CAT : 15A

NPIC NO : -
COMIREX NO:

25X1

NPIC MIPIR CA0041-78 10 FEB 78 [redacted] SEC CLASS: 14 MSN: 0168P ACCN: S082635

25X1

MIPIR 037/041
WAC NO :
IDHS CODE:

BE/OBJ NO:
EPF CAT : 15A

NPIC NO : -
COMIREX NO:

25X1

964
TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

NPIC MIPIR CA0048-78 17 FEB 78 [] SEC CLASS: 14 MSN: 0224P ACCN: 5082651 25X1

MIPIR 044/048
WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 15A COMIREX NO:

25X1

NPIC MIPIR CA0055-78 24 FEB 78 [] SEC CLASS: 14 MSN: 0148P ACCN: 5082837 25X1

MIPIR 052/055
WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 15A COMIREX NO:

25X1

25X1

965
TOP SECRET CHESS RUFF

25X1
25X1

[Redacted]

TOP SECRET CHESS RUFF

[Redacted]

[Redacted]

25X1

[Large Redacted Block]

25X1

NPIC MIPIR CA0111-78 21 APR 78 [Redacted] SEC CLASS: 14 MSN: 0209P ACCN: S083635 25X1

MIPIR 107/111
WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 15A COMIREX NO:

[Redacted Block]

25X1

NPIC MIPIR CA0118-78 28 APR 78 [Redacted] SEC CLASS: 14 MSN: 0176P ACCN: S083713 25X1

MIPIR 114/118
WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 15A COMIREX NO:

[Redacted Block]

25X1

966
TOP SECRET CHESS RUFF

[Redacted]

[Redacted]

25X1

25X1

TOP SECRET CHESS RUFF

25X1

25X1

NPIC MIPIR CA0125-78 05 MAY 78 SEC CLASS: 14 MSN: 0177P ACCN: S083742 25X1

MIPIR 121/125
WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 15A COMIREX NO:

25X1

NPIC MIPIR CA0132-78 12 MAY 78 SEC CLASS: 14 MSN: 0177P ACCN: S083784 25X1

MIPIR 128/132
WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 15A COMIREX NO:

25X1

NPIC MIPIR CA0139-78 19 MAY 78 SEC CLASS: 14 MSN: 0247P ACCN: S083842 25X1

MIPIR 135/139
WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 15A COMIREX NO:

AF ENDR B4505-78 17 MAR 78 SEC CLASS: 13 MSN: 0001P ACCN: S083914 25X1

MISSILES, SA-X-11 TEL 4-RAIL MODEL UR
WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 40C COMIREX NO:

THIS DRAWING SUPPLEMENTS PAR 78-557.*

NPIC IPIR LR005-78 20 APR 78 SEC CLASS: 14 MSN: 0038P ACCN: S0839522 25X1

IPIR 001/005

25X1
25X1

967
TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

25X1
25X1

WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 15A COMIREX NO:

25X1

NPIC MIPIR CAU150-78 02 JUN 78 [] SEC CLASS: 14 MSN: 0191P ACCN: S084074 25X1

MIPIR 150/153

WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 15A COMIREX NO:

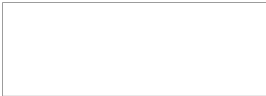
NPIC MEMO [] 02 JUN 78 [] SEC CLASS: 13 MSN: [] 0002P ACCN: S084119 25X1

ZATEC ADWOC RADIO RCVR/CONTROL STA VETRUSICE CZ 501748N 0132745E
WAC NO : BE/OBJ NO: NPIC NO : - 196-A3 25X1
IDHS CODE: EPF CAT : 25D COMIREX NO:
ZATEC ADZ HEADQUARTERS CP BUNKERED VETRUSICE CZ 501756N 0132804E
WAC NO : BE/OBJ NO: NPIC NO : - 196-F1 25X1
IDHS CODE: EPF CAT : 25H COMIREX NO: [] 25X1

25X1

968
TOP SECRET CHESS RUFF

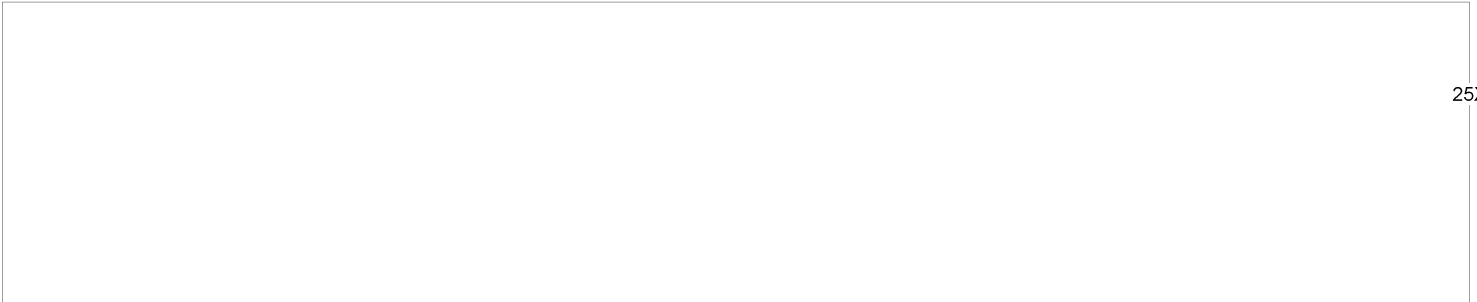
25X1
25X1



TOP SECRET CHESS RUFF



25X1



25X1

NPIC B11R RCA09-001b-78 JUN 78 [redacted] SEC CLASS: 14 MSN: 0004P ACCN: S084316 25X1

SARAJEVO AIRCRAFT ENGINE PLANT RAJLOVAC YO 435243N 0181755E
WAC NO : [redacted] BE/OBJ NO: [redacted] NPIC NO : - 4-A3
IDHS CODE: [redacted] EPF CAT : 05G COMIREX NO:

25X1

SARAJEVO AIRCRAFT ENGINE PLANT RAJLOVAC HAS A RELATIVELY SHORT HISTORY OF AIRCRAFT ENGINE DEVELOPMENT, TESTING, AND REPAIR. PRIOR TO 1945, THE PLANT PRODUCED SMALL ARMS AND AMMUNITION. FROM 1945 TO 1972 IT SERVED PRIMARILY AS AN AIRCRAFT AND AIRCRAFT ENGINE REPAIR FACILITY AND YUGOSLAV AIR FORCE (YAF) SUPPLY CENTER. CURRENT FUNCTIONS OF THE PLANT INCLUDE THE REPAIR AND OVERHAUL OF PROPELLER-DRIVEN AIRCRAFT, JET ENGINE OVERHAUL FOR THE NATIONAL AIRLINES (JAT), ENGINE RESEARCH FOR THE JUROM AIRCRAFT, TRAINING OF YAF TECHNICAL PERSONNEL, AND POSSIBLY A LIMITED AMOUNT OF ENGINE PRODUCTION. IN AUGUST 1977, THE PLANT CONSISTED OF 33 STRUCTURES AND BUILDINGS WITH 24,122.3 SQUARE METERS OF FLOORSPACE.

THIS REPORT INCLUDES A DETAILED DESCRIPTION OF SARAJEVO AIRCRAFT ENGINE PLANT RAJLOVAC, A LOCATION MAP, AN ANNOTATED PHOTOGRAPH, AND A TABLE OF MENSURAL AND CHRONOLOGICAL DATA. THE INFORMATION CUTOFF DATE FOR THIS REPORT IS 1 APRIL 1978.

NPIC IPIR [redacted] IR005-78 27 MAY 78 [redacted] SEC CLASS: 14 MSN: [redacted] 0037P ACCN: S084323 25X1

IPIR [redacted] 001/005
WAC NO : [redacted] BE/OBJ NO: [redacted] NPIC NO : -
IDHS CODE: [redacted] EPF CAT : 15A COMIREX NO:

25X1



969
TOP SECRET CHESS RUFF



25X1
25X1

TOP SECRET CHESS RUFF

25X1

25A1

25X1

NPIC MIPIR CA018b-78 07 JUL 78 [] SEC CLASS: 14 MSN: 0153P ACCN: 5084325

25X1

MIPIR 184/188
WAC NO :
IDHS CODE: BE/OBJ NO: NPIC NO : -
EPF CAT : 15A COMIREX NO:

NPIC IPIR [] R005-78 30 JUN 78 [] SEC CLASS: 14 MSN: [] 0033P ACCN: 5084416

25X1

IPIR [] 001/005
WAC NO :
IDHS CODE: BE/OBJ NO: NPIC NO : -
EPF CAT : 15A COMIREX NO:

25X1

NPIC MIPIR CA0195-78 14 JUL 78 [] SEC CLASS: 14 MSN: 0138P ACCN: 5084455

25X1

MIPIR 191/195
WAC NO :
IDHS CODE: BE/OBJ NO: NPIC NO : -
EPF CAT : 15A COMIREX NO:

NPIC BIIB BCA20-0002-78 MAY 78 [] SEC CLASS: 14D MSN: 0001P ACCN: 5084477

25X1

HSIAN KADAR ASSEMBLY + TEST AREA NO SIG CHNG CH 341320N 1090650E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 52-A
IDHS CODE: [] EPF CAT : 25E COMIREX NO: []

25X1

25X1

25X1

NPIC MIPIR CA0202-78 21 JUL 78 [] SEC CLASS: 14 MSN: 0214P ACCN: 5084508

25X1

MIPIR 198/202
WAC NO : BE/OBJ NO: NPIC NO : -

970
TOP SECRET CHESS RUFF

25X1

25X1

TOP SECRET CHESS RUFF

25X1

IDHS CODE: EPF CAT : 15A COMIREX NO:

25X1

NPIC MIPIR CA0209-78 28 JUL 78 SEC CLASS: 14 MSN: 0170P ACCN: S084518 25X1

MIPIR 205/209
WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 15A COMIREX NO:

25X1

NPIC MIPIR CA0216-78 04 AUG 78 SEC CLASS: 14 MSN: 0092P ACCN: S084627 25X1

MIPIR 212/216
WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 15A COMIREX NO:

25X1

971
TOP SECRET CHESS RUFF

25X1
25X1

Page Denied

TOP SECRET CHESS RUFF

25X1

[Redacted]

[Redacted]

[Redacted]

[Redacted]

25X1

NPIC BRAD [Redacted] JUL 78 [Redacted] SEC CLASS: 14B MSN: 0002P ACCN: S084635 25X1

BIYSK ARMY TRAINING AREA TA1 HEAVY LIFT REGT UR 523000N 0852500E
WAC NO : [Redacted] BE/OBJ NO: [Redacted] NPIC NO : - 6-C
IDHS CODE: [Redacted] EPF CAT : 35B COMIREX NO: [Redacted]

25X1
25X1

MAJOR ELEMENTS OF A HEAVY LIFT REGIMENT WERE NEWLY IDENTIFIED AT BIYSK ARMY TRAINING AREA TA1 ON [Redacted]

25X1
25X1

[Redacted]

25X1

975
TOP SECRET CHESS RUFF

[Redacted]

[Redacted]

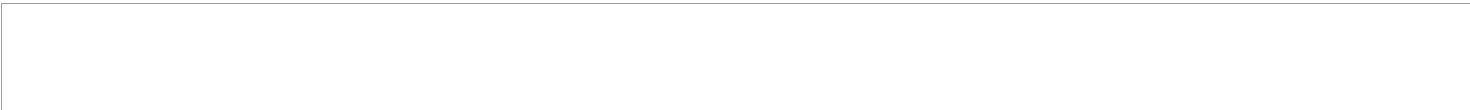
25X1
25X1

Page Denied

Next 5 Page(s) In Document Denied

TOP SECRET CHESS RUFF

25X1



25X1

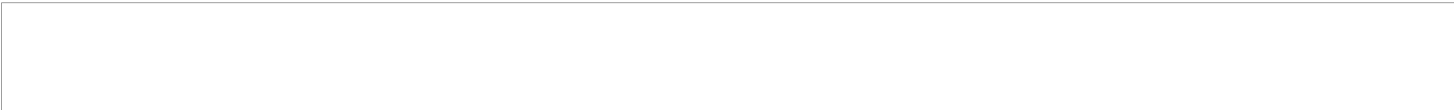
NPIC MIPIR CA0256-78 15 SEP 78 [REDACTED] SEC CLASS: 14 MSN: 0246P ACCN: S085010 25X1

MIPIR 254/258
WAC NO : BE/OBJ NO: NPIC NO : -
IUHS CODE: EPF CAT : 15A COMIREX NO:

NPIC TP TP003-78 AUG 78 [REDACTED] SEC CLASS: 14 MSN: 0033P ACCN: S085032 25X1

[REDACTED] SPECIAL COLLECTION MANUAL
WAC NO : BE/OBJ NO: NPIC NO : -
IUHS CODE: EPF CAT : 65 COMIREX NO:

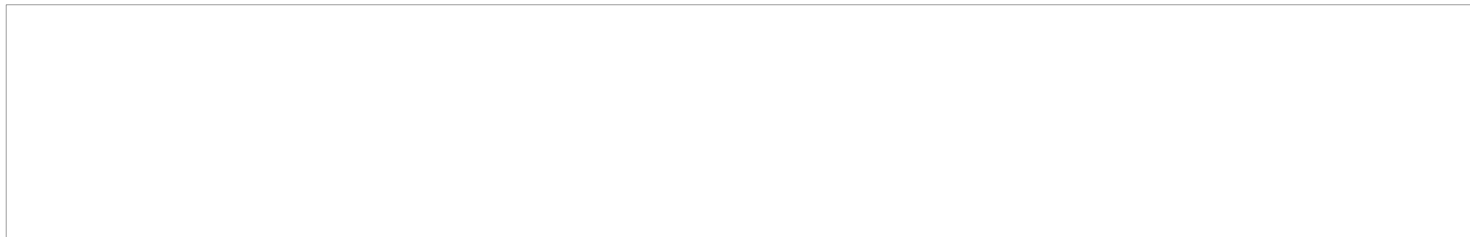
25X1



25X1

NPIC MIPIR CA0265-78 22 SEP 78 [REDACTED] SEC CLASS: 14 MSN: 0256P ACCN: S085065 25X1

MIPIR 261/265
WAC NO : BE/OBJ NO: NPIC NO : -
IUHS CODE: EPF CAT : 15A COMIREX NO:



25X1

980
TOP SECRET CHESS RUFF

25X1
25X1



TOP SECRET CHESS RUFF

25X1

25X1

AF PAR 727-78 20 NOV 78 [] SEC CLASS: 13 MSN: 0004P ACCN: S085267 25X1

MISSILES, PROPELLANT VEHICLE TYPE M	CH	
WAC NO : [] BE/OBJ NO: []	NPIC NO : -	
IDHS CODE: [] EPF CAT : 40I	COMIREX NO:	
WUSHING MISSILE PRPLN R+D PRPLNT VEH TYPE M	CH 304450N 1200135E	
WAC NO : [] BE/OBJ NO: []	NPIC NO : - 56-G	25X1
IDHS CODE: [] EPF CAT : 40E	COMIREX NO: []	25X1
FENGCHOU GUIDED MSL ENG PLT PRPLNT VEH TYPE M	CH 335711N 1064332E	
WAC NO : [] BE/OBJ NO: []	NPIC NO : - 73	25X1
IDHS CODE: [] EPF CAT : 40E	COMIREX NO: []	25X1
PEICHING GUIDED MISSILE DPC PRPLNT VEH TYPE M	CH 394849N 1160805E	
WAC NO : [] BE/OBJ NO: []	NPIC NO : - 50-J1	25X1
IDHS CODE: [] EPF CAT : 40E	COMIREX NO: []	25X1
WUCHAI SSM SUPPORT FACILITY PRPLNT VEH TYPE M	CH 384828N 1113658E	
WAC NO : [] BE/OBJ NO: []	NPIC NO : - 77-E	25X1
IDHS CODE: [] EPF CAT : 40	COMIREX NO: []	25X1

IMAGERY OF FOUR FACILITIES IN THE PRC WAS REVIEWED TO DETERMINE THE PRESENCE OF A TYPE M PROPELLANT

981
TOP SECRET CHESS RUFF

25X1

25X1

TOP SECRET CHESS RUFF

25X1

ROAD TRANSPORTER. THIS REPORT GIVES A CHRONOLOGY OF TYPE M VEHICLE OBSERVATIONS FOR EACH FACILITY. PARS 78-634, 77-501, 75-616, 73-656, AND DRAWING 72E1510/5 ARE REFERENCED BY THIS REPORT.*

25X1

AF PAR 709-78 16 NOV 78 [] SEC CLASS: 13 MSN: 0021P ACCN: S085397 25X1

MOSKVA MISSILE + SPACE DEV CTR KALININGRAD 88	UR	555517N 0374805E
WAC NO : []	BE/OBJ NO: []	NPIC NO : - 47
IDHS CODE: []	EPF CAT : 40E	COMIREX NO: []
MOSKVA MISSILE + SPACE DEV CTR KALININGRAD 88	UR	555517N 0374805E
WAC NO : []	BE/OBJ NO: []	NPIC NO : - 47
IDHS CODE: []	EPF CAT : 40H	COMIREX NO: []
MOSKVA GUIDED MISSILE R+D PLANT KHIMKI 301	UR	555350N 0372556E
WAC NO : []	BE/OBJ NO: []	NPIC NO : - 100
IDHS CODE: []	EPF CAT : 40E	COMIREX NO: []
MOSKVA GUIDED MISSILE + SPACE RSCH CTR REUTOV	UR	554547N 0375209E
WAC NO : []	BE/OBJ NO: []	NPIC NO : - 58-N
IDHS CODE: []	EPF CAT : 40E	COMIREX NO: []
MOSKVA GUIDED MISSILE + SPACE RSCH CTR REUTOV	UR	554547N 0375209E
WAC NO : []	BE/OBJ NO: []	NPIC NO : - 58-N
IDHS CODE: []	EPF CAT : 40H	COMIREX NO: []
DNEPROPETROVSK MISSILE DPC UTKIN DESIGN BUR	UR	482601N 0345828E
WAC NO : []	BE/OBJ NO: []	NPIC NO : - 7-C
IDHS CODE: []	EPF CAT : 40E	COMIREX NO: []

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

THIS REPORT GIVES PLAN DIMENSIONS, ROOF COVERAGE, FLOORSPACE AND FUNCTION TABULATIONS ON FOUR SOVIET MISSILE DESIGN BUREAUS.*

25X1

982
TOP SECRET CHESS RUFF

25X1

25X1

Page Denied

TOP SECRET CHESS RUFF

25X1

25X1

ARMY PIM PIM065-78 10 OCT 78 [] SEC CLASS: 14E MSN: [] 0004P ACCN: S085537 25X1

KAESONG TV TRANSMITTER + RADIO RELAY TERMINAL KN 375721N 1263315E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 35-M1 25X1
IDHS CODE: [] EPF CAT : 25B COMIREX NO: [] 25X1
KAESONG TV TRANSMITTER + RADIO RELAY TERMINAL KN 375721N 1263315E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 35-M1 25X1
IDHS CODE: [] EPF CAT : 25D COMIREX NO: [] 25X1

THIS PHOTO INTERPRETATION MEMORANDUM (PIM) PROVIDES AN ANALYSIS OF THE KAESONG TV XMTR AND RADREL TMNL,
NORTH KOREA, [] THIS PIM SUPERSEDES THE UNITED STATES ARMY INTELLIGENCE 25X1
AND THREAT ANALYSIS CENTER/IMAGERY INTELLIGENCE DIVISION PIM, 10-78.

ARMY PIM PIM059-78 26 SEP 78 [] SEC CLASS: 14E MSN: [] 0003P ACCN: S085538 25X1

NANYUEHMET RADIO COMMUNICATIONS STATION NORTH CH 271815N 1124300E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 47-B 25X1
IDHS CODE: [] EPF CAT : 25D COMIREX NO: [] 25X1

984
TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1
25X1

THE NAN-YUEH-MET RADCOM STATION NORTH AND AN AREA OF EXTENSIVE UNDERGROUND CONSTRUCTION LOCATED NORTH OF THE RADCOM STATION ARE ANALYZED. THE INTELLIGENCE IS CURRENT AS OF

25X1
25X1

AF PAR 691-78 20 NOV 78 SEC CLASS: 13 MSN: 0009P ACCN: S085541 25X1

DODONOVO ATOMIC ENERGY COMPLEX

WAC NO :
IDHS CODE:

BE/OBJ NO:
EPF CAT : 55A

UR 561921N 0933511E
NPIC NO : - 3
COMIREX NO:

25X1
25X1

THIS REPORT PROVIDES ANSWERS TO 14 SPECIFIC QUESTIONS CONCERNING DODONOVO MULTI-FUNCTIONAL COMPLEX. IN

985
TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1
25X1

GENERAL ANALYSIS WAS REQUESTED OF [REDACTED] RAIL STOCK NOTED AT THIS COMPLEX AND A
COMPARISON OF THIS FACILITY TO THE TOMSK AND KYSHTYM PLUTONIUM PRODUCTION PLANTS.
THIS REPORT DOES NOT UPDATE PREVIOUS COMPREHENSIVE FTD REPORTS. FOR A BASIC DESCRIPTION OF THE
DODONOVO MULTI-FUNCTIONAL COMPLEX SEE [REDACTED]

25X1

25X1

AF PAR 679-78 29 SEP 78 [REDACTED] SEC CLASS: 13 MSN: 0004P ACCN: S085542

25X1

PLESETSK MTC SPACE SITE 27 ELECTRONICS UR 625423N 0404715E
 WAC NO : [REDACTED] BE/OBJ NO: [REDACTED] NPIC NO : - 27-X
 IDHS CODE: [REDACTED] EPF CAT : 25C COMIREX NO: [REDACTED]

PLESETSK MTC ICBM SITE 21 ELECTRONICS UR 625823N 0412408E
 WAC NO : [REDACTED] BE/OBJ NO: [REDACTED] NPIC NO : - 27-R5
 IDHS CODE: [REDACTED] EPF CAT : 25C COMIREX NO: [REDACTED]

PLESETSK MTC ICBM SITE 16 ELECTRONICS UR 624655N 0403528E
 WAC NO : [REDACTED] BE/OBJ NO: [REDACTED] NPIC NO : - 27-R
 IDHS CODE: [REDACTED] EPF CAT : 25C COMIREX NO: [REDACTED]

PLESETSK MTC ICBM SITE 14 ELECTRONICS UR 625816N 0413342E
 WAC NO : [REDACTED] BE/OBJ NO: [REDACTED] NPIC NO : - 27-K8
 IDHS CODE: [REDACTED] EPF CAT : 25C COMIREX NO: [REDACTED]

PLESETSK MTC ICBM SITE 11 ELECTRONICS UR 625732N 0412650E
 WAC NO : [REDACTED] BE/OBJ NO: [REDACTED] NPIC NO : - 27-K6
 IDHS CODE: [REDACTED] EPF CAT : 25C COMIREX NO: [REDACTED]

PLESETSK MTC ICBM SITE 5 ELECTRONICS UR 630316N 0405720E
 WAC NO : [REDACTED] BE/OBJ NO: [REDACTED] NPIC NO : - 27-J1
 IDHS CODE: [REDACTED] EPF CAT : 25C COMIREX NO: [REDACTED]

PLESETSK MTC ICBM SITE 6 ELECTRONICS UR 630057N 0405231E
 WAC NO : [REDACTED] BE/OBJ NO: [REDACTED] NPIC NO : - 27-J8
 IDHS CODE: [REDACTED] EPF CAT : 25C COMIREX NO: [REDACTED]

PLESETSK MTC SPACE SITE 2 ELECTRONICS UR 625624N 0403138E
 WAC NO : [REDACTED] BE/OBJ NO: [REDACTED] NPIC NO : - 27-J5
 IDHS CODE: [REDACTED] EPF CAT : 25C COMIREX NO: [REDACTED]

PLESETSK MTC MISSILE HANDLING FACILITY ELCT UR 624600N 0402300E
 WAC NO : [REDACTED] BE/OBJ NO: [REDACTED] NPIC NO : - 27-M
 IDHS CODE: [REDACTED] EPF CAT : 25C COMIREX NO: [REDACTED]

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

THIS REPORT ANALYZES THE PLESETSK MISSILE HANDLING FACILITY, SPACE LAUNCH SITE 2 AND ICBM LAUNCH TEST
SITE 6 FOR TELEMETRY ANTENNAS. IN ADDITION, PLESETSK ICBM LAUNCH TEST SITES 5, 6, 11, 14, 16, 21 AND
SPACE LAUNCH SITE 27 ARE EXAMINED FOR COMMUNICATIONS ANTENNAS, BURIED CABLES, MASTS, TOWERS AND MOBILE
EQUIPMENT. THIS REPORT UPDATES PAR 77-680 WITH AN INFORMATION DATE OF [REDACTED]

25X1

AF PAR 637-78 25 SEP 78 [REDACTED] SEC CLASS: 13 MSN: 0024P ACCN: S085543

25X1

FAUSTOVO AEROSPACE R+D TEST RANGE + TRACK UR 5527 N 03831 E

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC NO :	BE/OBJ NO:	NPIC NO :	-
IDHS CODE:	EPF CAT : 40H	COMIREX NO:	
FAUSTOVO AEROSPACE R+D FACILITY		UR	552746N 0383143E
WAC NO :	BE/OBJ NO:	NPIC NO :	- 50-B
IDHS CODE:	EPF CAT : 40H	COMIREX NO:	

25X1

25X1
25X1

THIS REPORT AND THE REFERENCED DRAWINGS PRESENT A PARTIAL UPDATING OF PRIOR FTD PHOTOGRAPHIC ANALYSES OF THE FAUSTOVO AEROSPACE R+D FACILITY. IT COVERS THE PERIOD JANUARY 1974 TO 28 FEBRUARY 1978 ON SPECIFIC SUB-AREAS OF THE FAUSTOVO AEROSPACE R+D FACILITY. THE SUB-AREAS AND THE ORDER OF THEIR DISCUSSION ARE: AREA A (ARMAMENTS TEST AREA), AREA B (ROCKET SLED TRACK AREA), AREA E (EXPLOSIVE HARDWARE STORAGE AREA), AND AREA G (MISSILE PROPULSION TEST FACILITY). PRIOR FTD PHOTOGRAPHIC ANALYSES OF THIS FACILITY ARE PRESENTED IN PARS 76-695, 74-682, AND 73-680 WITH THEIR ASSOCIATED DRAWINGS. EACH PARAGRAPH OF THIS REPORT CONTAINS SPECIFIC REFERENCES TO THE DRAWINGS AND THOSE PARTS OF THE PRIOR REPORTS WHICH DEAL WITH THAT AREA.*

25X1

AF ENDR C653b-78 06 SEP 78 [] SEC CLASS: 13 MSN: 0001P ACCN: S08554525X1

MOSKVA AIRCRAFT COMPONENTS PLANT 25	UR	554706N 0374340E
WAC NO :	BE/OBJ NO:	NPIC NO :
IDHS CODE:	EPF CAT : 05G	COMIREX NO:

25X1

THIS DRAWING SUPPLEMENTS PAR 78-672.*

AF PAR 68b-78 29 SEP 78 [] SEC CLASS: 13 MSN: [] 0002P ACCN: S08554625X1

SMOLENSK GUIDED MISSILE + A/C PLT 475 CRT U/I	UR	544910N 0320245E
WAC NO :	BE/OBJ NO:	NPIC NO :
IDHS CODE:	EPF CAT : 40E	COMIREX NO:
SMOLENSK GUIDED MISSILE + A/C PLT 475 CRT U/I	UR	544910N 0320245E

25X1
25X1

987
TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1
25X1

WAC NO : [] BE/OBJ NO: [] NPIC NO : - 77-A2
IDHS CODE: [] EPF CAT : 05G COMIREX NO: []

25X1
25X1

THIS REPORT GIVES AN ANALYSIS OF A NUMBER OF U/I OBJECTS IN THE TRANSSHIPMENT AREA AT SMOLENSK GUIDED MISSILE AND AIRCRAFT COMP PLT 475. THE OBJECTS ARE NOT AS-9 CRATES AS HAD BEEN SUSPECTED, BUT THEY ARE STILL FUNCTIONALLY UNIDENTIFIED.*

AF PAR 684-78 29 SEP 78 [] SEC CLASS: 13 MSN: 0003P ACCN: 5085547 25X1

NORILSK TELEMETRY/TRACKING FACILITY UR 692130N 0881210E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 2-B4
IDHS CODE: [] EPF CAT : 25C COMIREX NO: []

25X1
25X1

THIS ANALYSIS CONSISTS OF A DESCRIPTION OF NORILSK TELEMETRY TRACKING FACILITY, A DESCRIPTION OF CHANGES SINCE PAR 77-69 AND ANTENNA ORIENTATIONS.*

AF ENDR D6533-1-74 JUL 78 [] SEC CLASS: 13 MSN: 0001P ACCN: 5085548 25X1

FAUSTOVO AEROSPACE R+D FAC PRPLNT TEST AREA G UR 552746N 0383143E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 50-B
IDHS CODE: [] EPF CAT : 40H COMIREX NO: []

25X1
25X1

THIS DRAWING SUPERSEDES DRAWING 67C6556 AND SUPPLEMENTS PARS 73-680, 74-682, AND 78-637.*

AF ENDR D6522-1-76 MAR 78 [] SEC CLASS: 13 MSN: 0001P ACCN: 5085549 25X1

FAUSTOVO AEROSPACE R+D RKT SLED TRACK AREA B UR 552907N 0382945E
WAC NO : [] BE/OBJ NO: [] NPIC NO : -
IDHS CODE: [] EPF CAT : 40H COMIREX NO:

25X1

THIS DRAWING SUPERSEDES DRAWING 76D6530 AND SUPPLEMENTS PARS 76-695 AND 78-637.*

AF ENDR B3509-2-70 JUL 78 [] SEC CLASS: 13 MSN: 0001P ACCN: 5085550 25X1

FAUSTOVO AEROSPACE R+D FACIL HRZTL TEST CELL UR 552746N 0383143E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 50-B
IDHS CODE: [] EPF CAT : 40H COMIREX NO: []

25X1
25X1

THIS DRAWING SUPPLEMENTS PARS 73-680, 74-682, AND 78-637.*

AF ENDR D4523-2-73 JUL 78 [] SEC CLASS: 13 MSN: 0001P ACCN: 5085551 25X1

FAUSTOVO AEROSPACE R+D FAC PRPLNT PROD PLANT UR 552746N 0383143E

988
TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC NO : BE/OBJ NO: NPIC NO : - 50-B
 IDHS CODE: EPF CAT : 40H COMIREX NO:
 FAUSTOVO AEROSPACE R+D FAC PRPLNT PROD PLANT UR 552746N 0383143E
 WAC NO : BE/OBJ NO: NPIC NO : - 50-B
 IDHS CODE: EPF CAT : 40E COMIREX NO:

25X1
25X1
25X1
25X1

THIS DRAWING SUPPLEMENTS PARS 73-680, 74-682, AND 78-637.*

AF ENDR C6532-1-74 MAY 78 SEC CLASS: 13 MSN: 0001P ACCN: S085552 25X1

FAUSTOVO AEROSPACE R+D FACIL EXPLO HDWE STGE UR 552746N 0383143E
 WAC NO : BE/OBJ NO: NPIC NO : - 50-B
 IDHS CODE: EPF CAT : 40H COMIREX NO:
 FAUSTOVO AEROSPACE R+D FACIL EXPLO HDWE STGE UR 552746N 0383143E
 WAC NO : BE/OBJ NO: NPIC NO : - 50-B
 IDHS CODE: EPF CAT : 35F COMIREX NO:

25X1
25X1
25X1
25X1

THIS DRAWING SUPPLEMENTS PARS 73-680, 74-682 AND 78-637.*

AF ENDR B4525-2-73 MAY 78 SEC CLASS: 13 MSN: 0001P ACCN: S085553 25X1

FAUSTOVO AEROSPACE R+D FACIL WIND GENERATOR UR 552907N 0382945E
 WAC NO : BE/OBJ NO: NPIC NO : -
 IDHS CODE: EPF CAT : 40H COMIREX NO:

25X1

THIS DRAWING SUPPLEMENTS PARS 73-680, 74-682 AND 78-637.*

AF ENDR E6529-1-74 MAY 78 SEC CLASS: 13 MSN: 0001P ACCN: S085554 25X1

FAUSTOVO AEROSPACE R+D FACIL ARMAMENTS TEST UR 552907N 0382945E
 WAC NO : BE/OBJ NO: NPIC NO : -
 IDHS CODE: EPF CAT : 40H COMIREX NO:
 FAUSTOVO AEROSPACE R+D FACIL ARMAMENTS TEST UR 552907N 0382945E
 WAC NO : BE/OBJ NO: NPIC NO : -
 IDHS CODE: EPF CAT : 35G COMIREX NO:

25X1
25X1

THIS DRAWING SUPPLEMENTS PARS 73-680, 74-682, AND 78-637.*

25X1

989
TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

AF ENDR C3510-2-70 JUL 78 [] SEC CLASS: 13 MSN: 0001P ACCN: S085556 25X1
 FAUSTOVO AEROSPACE R+D FACILITY TEST BUILDING UR 552746N 0383143E
 WAC NO : [] BE/OBJ NO: [] NPIC NO : - 50-B 25X1
 IDHS CODE: [] EPF CAT : 40H COMIREX NO: [] 25X1
 THIS DRAWING SUPPLEMENTS PARS 73-680, 74-682, AND 78-637.*

AF ENDR E1508-78 20 SEP 78 [] SEC CLASS: 13 MSN: [] 0001P ACCN: S085557 25X1
 AIRCRAFT, BEAR F TU-95 VARIANT UR
 WAC NO : [] BE/OBJ NO: [] NPIC NO : -
 IDHS CODE: [] EPF CAT : 05D COMIREX NO: []

AF ENDR D6541-1-74 JUL 78 [] SEC CLASS: 13 MSN: 0001P ACCN: S085558 25X1
 FAUSTOVO AEROSPACE R+D FACIL PRPLNT TEST FAC UR 552746N 0383143E
 WAC NO : [] BE/OBJ NO: [] NPIC NO : - 50-B 25X1
 IDHS CODE: [] EPF CAT : 40H COMIREX NO: [] 25X1
 THIS DRAWING SUPPLEMENTS PARS 73-680, 74-682, AND 78-637.*

25X1

CIA INFR IS10263J-78 17 NOV 78 [] SEC CLASS: 24 MSN: 0005P ACCN: S085575 25X1
 MILITARY, TANK REGT DEACTIVATION FAR EAST MD UR
 WAC NO : [] BE/OBJ NO: [] NPIC NO : -
 IDHS CODE: [] EPF CAT : 35 COMIREX NO: []

DURING THE SUMMER OF 1977 THE SOVIETS DEACTIVATED ALL THREE INDEPENDENT HEAVY TANK REGIMENTS IN THE FAR EAST MILITARY DISTRICT (FEMD). THEY REORGANIZED AND REEQUIPPED TWO OF THESE INDEPENDENT TANK REGIMENTS

990
TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

AND FORMED TWO REGULAR TANK REGIMENTS, WHICH NOW APPEAR TO BE SUBORDINATE TO NEARBY MOTORIZED RIFLE DIVISIONS (MRDS). THE INSTALLATION WHICH HOUSED THE THIRD INDEPENDENT TANK REGIMENT IS NOW OCCUPIED BY A PROBABLE SPECIALIZED AMPHIBIOUS ASSAULT UNIT.

CIA REPT IAR004-78 OCT 78 SEC CLASS: 13 MSN: 0009P ACCN: S0855825X1

MISSILES, SS-17/SS-19 SILO LOADER UR
WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 40A COMIREX NO:

THIS REPORT SUGGESTS THAT DEPLOYMENT OF A NEW SILO LOADER CAPABLE OF HANDLING THE SS-17, SS-19, OR SS-11 MISSILE CANISTERS HAS BEGUN AT KOSTROMA ICBM COMPLEX AND PROBABLY WILL EVENTUALLY BE SEEN AT ALL SS-17 AND SS-19 COMPLEXES AND POSSIBLY AT SS-11 COMPLEXES. PREVIOUSLY, THE ONLY SILO LOADERS OBSERVED AT DEPLOYED SS-17, SS-19, AND SS-11 COMPLEXES WERE THE OLDER SS-11 SILO LOADERS.

25X1

CIA INFR IS10260-78 15 NOV 78 SEC CLASS: 05 MSN: 0003P ACCN: S085582

KRASNOKAMENSK HEAT + THERMAL POWER PLANT UR 500436N 1180540E
WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 30E COMIREX NO:

25X1

KRASNOKAMENSK HEAT AND THERMAL POWER PLANT, A NEWLY IDENTIFIED PLANT CLOSE TO THE CHINESE BORDER, IS DESCRIBED.*

CIA INFR IS10251K-78 30 OCT 78 SEC CLASS: 13 MSN: 0020P ACCN: S085584 25X1

MISSILES, ACTIVITY SUMMARY SAL RELATED UR
WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 40 COMIREX NO:

THIS MEMORANDUM REPORTS STRATEGIC MISSILE ACTIVITY OBSERVED IN THE USSR DURING THE PERIOD

25X1

THE INFORMATION WAS OBTAINED FROM ANALYSIS OF

225X1

991
TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

THE CUT-OFF DATE OF INFORMATION IN SELECTED PORTIONS OF THIS MEMORANDUM EXTENDS BEYOND 9 SEPTEMBER IN ORDER TO INCLUDE INFORMATION THAT DIRECTLY AFFECTS THE ANALYSIS OF THE IMAGERY. IN THESE INSTANCES, THE DATES ARE INDICATED IN THE APPROPRIATE SECTIONS.

25X1

25X1

AF PAR 72u-78 27 NOV 78 SEC CLASS: 13 MSN: 0003P ACCN: S085586

25X1

ELECTRONICS, ICBM TYPE 3F SITES GUIDANCE FAC UR
WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 25C COMIREX NO:

IMAGERY OF THE ICBM TYPE III F SITES AT TYURATAM, DOMBAROVSK, IMENI GASTELLO, KARTALY, UZHUR, AND ZHANGIZTOBE WERE ANALYZED FOR THE PRESENCE OF RADIO GUIDANCE FACILITIES, AZIMUTH MARKERS, OR OTHER GUIDANCE RELATED FACILITIES. PHOTOGRAPHY FROM THROUGH OCTOBER 1978 REVEALED ONLY THAT ALL OF THE SITES CONTAIN A LATTICE TOWER WHICH COULD BE FUNCTIONALLY ASSOCIATED WITH MISSILE LAUNCH MONITORING. A TABLE WHICH GIVES DATA ON THE TOWERS IS INCLUDED IN THE REPORT. THIS REPORT SUPERSEDES PAR 74-620 AND PAR 77-658. IT IS REFERENCED TO DRAWINGS 78C6507 AND 78E6525.*

25X1

25X1

25X1

CIA RP GC10185K-78 SEP 78 SEC CLASS: 14 MSN: 0001P ACCN: S085590

25X1

TABAS EARTHQUAKE DAMAGE IR 333545N 0565525E
WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 10D COMIREX NO:

25X1

25X1

AN EARTHQUAKE REGISTERING 7.0 TO 7.7 ON THE RICHTER SCALE SHOOK A SECTION OF EASTERN IRAN, WITH THE EPICENTER NEAR THE DESERT TOWN OF TABAS IN KHORASAN PROVINCE. THE MAJORITY OF THE BUILDINGS IN THE TOWN CRUMBLLED, KILLING MORE THAN 10,000 OF THE 12,000 INHABITANTS. NEARLY A HUNDRED VILLAGES IN THE REGION REPORTED DAMAGE, RAISING THE DEATH TOLL TO OVER 36,000.*

ARMY PIM PIM068-78 31 OCT 78 SEC CLASS: 14E MSN: 0004P ACCN: S085591

25X1

SIKHYON NI SIGINT FACILITY KN 374935N 1263919E

992
TOP SECRET CHESS RUFF

25X1

25X1

TOP SECRET CHESS RUFF

25X1
25X1

WAC NO :
IDHS CODE:

BE/OBJ NO:
EPF CAT : 25

NPIC NO : -
COMIREX NO:

25X1

THIS PHOTO INTERPRETATION MEMORANDUM (PIM) CONTAINS A DESCRIPTION OF THE SIKHYON-NI SIGINT FACILITY, NORTH KOREA. INCLUDED IN THIS REPORT IS AN ANNOTATED PHOTOGRAPH OF THE FACILITY. THE PHOTO DISPLAYS THE FACILITY ANTENNAS, ALONG WITH DETAILED MENSURATION OF THE ANTENNAS, AND THEIR ORIENTATIONS. INFORMATION IS CURRENT AS OF DECEMBER 1977.

25X1

NPIC REPT

STAR05-78 01 OCT 78

SEC CLASS: 25

MSN:

0018P

ACCN: S085594 25X1

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1
23A1

GENERAL	CAMOUFLAGE/CONCEALMENT/DECEPTION	US
WAC NO :	BE/OBJ NO:	NPIC NO : -
IDHS CODE:	EPF CAT : 10I	COMIREX NO:
GENERAL	CAMOUFLAGE/CONCEALMENT/DECEPTION	UR
WAC NO :	BE/OBJ NO:	NPIC NO : -
IDHS CODE:	EPF CAT : 10I	COMIREX NO:
GENERAL	CAMOUFLAGE/CONCEALMENT/DECEPTION	MX
WAC NO :	BE/OBJ NO:	NPIC NO : -
IDHS CODE:	EPF CAT : 10I	COMIREX NO:

25X1

CIA INFR 1S10244K-78 24 OCT 78

SEC CLASS: 13 MSN: 0022P

ACCN: S085659 25X1

ZHOLYMBET GOLD COMPLEX

WAC NO : []

BE/OBJ NO: []

UR 514500N 0714400E

NPIC NO : - 25X1

994

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

IDHS CODE: []	EPF CAT : 30B	COMIREX NO:	25X1
TORTKUDUK GOLD PROCESSING PLANT POSS	UR 514200N 0741400E		
WAC NO : []	BE/OBJ NO: []	NPIC NO : -	25X1
IDHS CODE: []	EPF CAT : 30B	COMIREX NO:	
TOKUR GOLD ORE CONCENTRATION PLANT	UR 530800N 1325310E		
WAC NO : []	BE/OBJ NO: []	NPIC NO : -	25X1
IDHS CODE: []	EPF CAT : 30B	COMIREX NO: []	25X1
MAYKAIN GOLD COMPLEX	UR 512813N 0754800E		
WAC NO : []	BE/OBJ NO: []	NPIC NO : -	25X1
IDHS CODE: []	EPF CAT : 30B	COMIREX NO:	
JARASUN GOLD ORE CONCENTRATION PLT AGINSKOYE	UR 510400N 1144530E		
WAC NO : []	BE/OBJ NO: []	NPIC NO : -	25X1
IDHS CODE: []	EPF CAT : 30B	COMIREX NO:	
JARASUN GOLD ORE CONCENTRATION PLANT POSS	UR 510300N 1145000E		
WAC NO : []	BE/OBJ NO: []	NPIC NO : -	25X1
IDHS CODE: []	EPF CAT : 30B	COMIREX NO:	
CHADAK GOLD COMPLEX	UR 410010N 0704412E		
WAC NO : []	BE/OBJ NO: []	NPIC NO : -	25X1
IDHS CODE: []	EPF CAT : 30B	COMIREX NO: []	25X1
BESTOBE GOLD COMPLEX	UR 523000N 0730600E		
WAC NO : []	BE/OBJ NO: []	NPIC NO : -	25X1
IDHS CODE: []	EPF CAT : 30B	COMIREX NO:	
BALEY GOLD COMPLEX	UR 513230N 1164130E		
WAC NO : []	BE/OBJ NO: []	NPIC NO : -	25X1
IDHS CODE: []	EPF CAT : 30B	COMIREX NO:	
INDUSTRY, GOLD PLANTS	UR		
WAC NO : []	BE/OBJ NO: []	NPIC NO : -	
IDHS CODE: []	EPF CAT : 30B	COMIREX NO:	

THIS STUDY IS PART OF AN ONGOING EFFORT BY THE OFFICE OF ECONOMIC RESEARCH AND THE OFFICE OF IMAGERY ANALYSIS TO IMPROVE THE CIA'S ESTIMATE OF SOVIET GOLD PRODUCTION. IT PROVIDES INFORMATION ON NINE SOVIET GOLD PRODUCTION PLANTS. THE PLANTS ARE PART OF A GROUP OF SIXTEEN KNOWN OR SUSPECTED GOLD PLANTS FOR WHICH LITTLE PRODUCTION DATA IS AVAILABLE. THE REMAINING SEVEN PLANTS IN THIS GROUP ARE CURRENTLY BEING ANALYZED. RESULTS OF THAT ANALYSIS WILL BE PUBLISHED IN A SEPARATE REPORT.

INFORMATION IN THIS STUDY INCLUDES DESCRIPTIONS OF THE PLANTS AND ASSOCIATED MINES, TRANSPORT SYSTEMS, AND WASTE DISPOSAL FACILITIES. A LOCATOR MAP AND ANNOTATED PHOTOGRAPHS OF EACH PLANT ARE PROVIDED. NO ATTEMPT HAS BEEN MADE TO ESTIMATE ACTUAL GOLD PRODUCTION AT THE PLANTS SINCE INFORMATION CONCERNING THE GOLD CONTENT OF THE ORE IS EITHER FRAGMENTARY OR UNAVAILABLE. OIA HAS PROVIDED, HOWEVER, AN ESTIMATE OF THE VOLUME OF ORE PROCESSED, BASED ON THE AMOUNT OF TAILINGS, FOR TWO PLANTS, AND ESTIMATES OF THE CAPACITIES OF THICKENER TANKS AT TWO OTHER PLANTS. THE METHODOLOGY FOR DERIVING THE ESTIMATES IS DESCRIBED IN EACH INSTANCE. OIA COULD NOT PROVIDE PRODUCTION CAPACITY ESTIMATES FOR THE OTHER FIVE PLANTS.

SATELLITE PHOTOGRAPHY ACQUIRED FROM SEPTEMBER 1969 THROUGH AUGUST 1978 WAS USED FOR THIS STUDY.

TOP SECRET CHESS RUFF

25X1

25X1

TOP SECRET CHESS RUFF

25X1
25A1

CIA INFR IS10256J-78 30 OCT 78 [] SEC CLASS: 24 MSN: 0003P ACCN: S085660 25X1

ASMARA ARMORED BRIGADE CUBAN ET 1520 N 03856 E
WAC NO : [] BE/OBJ NO: NPIC NO : -
IDHS CODE: [] EPF CAT : 35 COMIREX NO:

25X1

THE MAJOR ELEMENTS OF A CUBAN ARMORED BRIGADE WERE IDENTIFIED IN ASMARA BY [] THIS IS THE FIRST DEPLOYMENT OF A CUBAN COMBAT MANEUVER BRIGADE TO THE NORTHERN ETHIOPIAN PROVINCE OF ERITREA.**

25X1

CIA INFR IS10241K-78 19 OCT 78 [] SEC CLASS: 13 MSN: 0005P ACCN: S085661 25X1

MISSILES, SS-20 SUPT FACS POL STGE/FUEL U/C UR
WAC NO : [] BE/OBJ NO: NPIC NO : -
IDHS CODE: [] EPF CAT : 40B COMIREX NO:
STORAGE, POL STGE/FUELING FAC SS-20 RLTD VEHS UR
WAC NO : [] BE/OBJ NO: NPIC NO : -
IDHS CODE: [] EPF CAT : 80A COMIREX NO:

THE MOBILITY OF THE SS-20 INTERMEDIATE RANGE BALLISTIC MISSILE (IRBM) REQUIRES THAT THERE BE BOTH VOLUME FUEL STORAGE AND ACCESSIBLE FUELING POSITIONS FOR THE SYSTEM RELATED VEHICLES AT THE SS-20 OPERATIONAL SUPPORT BASES. TO SATISFY THIS REQUIREMENT, THE SOVIETS ARE CURRENTLY CONSTRUCTING POL STORAGE AND FUELING FACILITIES AT FOUR OF THE 12 KNOWN SS-20 SUPPORT BASES AND PREPARATIONS FOR SUCH CONSTRUCTION HAVE BEEN SEEN AT TWO OTHER BASES. OIA BELIEVES THAT CONSTRUCTION OF SUCH FACILITIES WILL EVENTUALLY EXTEND TO ALL SS-20 SUPPORT BASES.

CIA INFR IS10249K-78 19 OCT 78 [] SEC CLASS: 13 MSN: 0003P ACCN: S085662 25X1

SHIPS, SUBMERSIBLE C UR
WAC NO : [] BE/OBJ NO: NPIC NO : -
IDHS CODE: [] EPF CAT : 75D COMIREX NO:
KAZACH YA BUKHTA DOLPHIN RESEARCH SUBMERSIBLE UR 443448N 0332418E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 63-A3
IDHS CODE: [] EPF CAT : 65A COMIREX NO: []
KAZACH YA BUKHTA DOLPHIN RESEARCH SUBMERSIBLE UR 443448N 0332418E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 63-A3
IDHS CODE: [] EPF CAT : 75D COMIREX NO: []

25X1

25X1

25X1

25X1

THIS MEMORANDUM DISCUSSES THE PRESENCE OF A SUBMERSIBLE AT KAZACHYA BUKHTA DOLPHIN RESEARCH COMPLEX. IT PROVIDES THE DATES ON WHICH THE SUBMERSIBLE WAS PRESENT AT KAZACHYA BUKHTA, AND EXPLORES POSSIBLE REASONS FOR ITS PRESENCE AT THIS DOLPHIN RESEARCH COMPLEX.

CIA INFR IS10248K-78 19 OCT 78 [] SEC CLASS: 13 MSN: 0009P ACCN: S085663 25X1

996
TOP SECRET CHESS RUFF

25X1

25X1

TOP SECRET CHESS RUFF

25X1

INDUSTRY, LEAD + ZINC PLANTS

WAC NO :	BE/OBJ NO:	NPIC NO :	-	
IDHS CODE:	EPF CAT : 30B	COMIREX NO:		
UST KAMENOGORSK ZINC + LEAD WORKS		UR 495920N 0823650E		
WAC NO :	BE/OBJ NO:	NPIC NO :	- 12-A	25X1
IDHS CODE:	EPF CAT : 30B	COMIREX NO:		25X1
TETYUKHE PRISTAN NONFERROUS METALS PLANT		UR 442225N 1354925E		
WAC NO :	BE/OBJ NO:	NPIC NO :	- 75	25X1
IDHS CODE:	EPF CAT : 30B	COMIREX NO:		25X1
TETYUKHE NONFERROUS METALS PLANT		UR 443310N 1353520E		
WAC NO :	BE/OBJ NO:	NPIC NO :	-	25X1
IDHS CODE:	EPF CAT : 30B	COMIREX NO:		
ORDZHONIKIDZE NONFERROUS METALS PLANT		UR 430308N 0444120E		
WAC NO :	BE/OBJ NO:	NPIC NO :	- 18-A	25X1
IDHS CODE:	EPF CAT : 30B	COMIREX NO:		25X1
LENINOGORSK NONFERROUS METALS PLANT		UR 502135N 0833205E		
WAC NO :	BE/OBJ NO:	NPIC NO :	- 23-A	25X1
IDHS CODE:	EPF CAT : 30B	COMIREX NO:		25X1
CHIMKENT POLYMETAL PLANT KALININ		UR 421841N 0693246E		
WAC NO :	BE/OBJ NO:	NPIC NO :	- 8-C	25X1
IDHS CODE:	EPF CAT : 30B	COMIREX NO:		25X1
CHELYABINSK ZINC ELECTROLYSIS PLANT		UR 551236N 0612241E		
WAC NO :	BE/OBJ NO:	NPIC NO :	- 3-A	25X1
IDHS CODE:	EPF CAT : 30B	COMIREX NO:		25X1
BELOVO ZINC PLANT		UR 542614N 0861834E		
WAC NO :	BE/OBJ NO:	NPIC NO :	- 5-B	25X1
IDHS CODE:	EPF CAT : 30B	COMIREX NO:		25X1
ALMALK NONFERROUS METALS PLANT ALTYN TOPKAN		UR 405102N 0693231E		
WAC NO :	BE/OBJ NO:	NPIC NO :	- 1	25X1
IDHS CODE:	EPF CAT : 30B	COMIREX NO:		25X1

THIS MEMORANDUM BRIEFLY DESCRIBES THE STATUS OF THREE LEAD AND ZINC PLANTS, THREE ZINC PLANTS, AND ONE LEAD PLANT IN THE SOVIET UNION. THE PLANTS ARE LOCATED AT ALMALK, BELOVO, CHELYABINSK, CHIMKENT, LENINGORSK, ORDZHONIKIDZE, AND UST KAMENOGORSK. THEY ARE BELIEVED TO BE THE MAJOR SOVIET LEAD AND ZINC PRODUCTION FACILITIES. TWO NONFERROUS METALS PLANTS AT TETYUKHE ARE ALSO DESCRIBED. THE PRODUCT OF THESE TWO PLANTS COULD NOT BE DETERMINED FROM ANALYSIS OF OVERHEAD IMAGERY. THIS STUDY UPDATES THE INFORMATION CONTAINED IN A PREVIOUS OFFICE OF IMAGERY ANALYSIS REPORT, SELECTED SOVIET LEAD AND ZINC PRODUCTION FACILITIES [REDACTED] DATED 17 JANUARY 1973. OVERHEAD IMAGERY OBTAINED FROM MID-1971 TO MID-1978 WAS USED IN PREPARING THIS REPORT.

SOME CONSTRUCTION TOOK PLACE AT ALL OF THE PLANTS EXCEPT CHELYABINSK. THE MOST SIGNIFICANT CONSTRUCTION TOOK PLACE AT CHIMKENT, WHERE A LEAD SMELTER WAS CONSTRUCTED TO REPLACE THREE LEAD BLAST FURNACES. SEVERAL ORE PROCESSING BUILDINGS WERE ALSO REMOVED AND REPLACED AT CHIMKENT. MAJOR

25X1

997

TOP SECRET CHESS RUFF

25X1

25X1

TOP SECRET CHESS RUFF

25X1

CONSTRUCTION ALSO TOOK PLACE AT THE TETYUKHE NONFERROUS METALS PLANT.

CIA INFR IS10041J-78 01 MAR 78 [] SEC CLASS: 24 MSN: 0003P ACCN: S085664 25X1

AIRCRAFT, ACTIVITY SUMMARY NOV - DEC 1977 KN
WAC NO : BE/OBJ NO: NPIC NO : -
IUHS CODE: EPF CAT : 05 COMIREX NO:

THIS MEMORANDUM SUMMARIZES SIGNIFICANT AIR-RELATED ACTIVITY IN NORTH KOREA ON ALL SATELLITE IMAGERY DURING NOVEMBER AND DECEMBER 1977. THIS ACTIVITY INCLUDES: THREE NEW AIRFIELDS BEING CONSTRUCTED WITH UNDERGROUND HANGARS; AN UNDERGROUND HANGAR UNDER CONSTRUCTION AT AN EXISTING FACILITY; THE FIRST EVIDENCE OF DISRUPTIVE PAINTING (CAMOUFLAGE); AND EVIDENCE OF A CRASHED SOVIET TU-154/CARELESS. A MAP LOCATING THIS ACTIVITY IS ATTACHED. ALSO ATTACHED ARE TWO TABLES WHICH PROVIDE THE CURRENT AIR ORDER-OF-BATTLE AND THE STATUS OF THE UNDERGROUND AND HARDENED AIRCRAFT STORAGE SHELTERS.

CIA INFR IS10227K-78 22 SEP 78 [] SEC CLASS: 13 MSN: 0006P ACCN: S085666 25X1

GENERAL, U/I STRUCTURE NENOKSA NAVAL MTC UR
WAC NO : BE/OBJ NO: NPIC NO : -
IUHS CODE: EPF CAT : 10C COMIREX NO:
NENOKSA NAVAL MTC FACILITY A STRUCTURE U/I UR 643843N 0391118E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 21
IUHS CODE: [] EPF CAT : 40G COMIREX NO: []

A 20-METER-LONG RECTANGULAR STRUCTURE WITH SOME PHYSICAL CHARACTERISTICS COMMONLY FOUND IN SHIP CONSTRUCTION IS NEARING COMPLETION AT THE NENOKSA MISSILE TEST CENTER (MTC). INITIAL PREPARATIONS FOR THE BUILDING OF THIS STRUCTURE WERE FIRST NOTED AT LAUNCH FACILITY A -- A CRUISE-MISSILE LAUNCH FACILITY -- AT NENOKSA IN AUGUST 1974. AT PRESENT, OIA CANNOT DETERMINE THE FUNCTION OF THIS STRUCTURE, BUT THEY HAVE EXAMINED WHAT THEY BELIEVE TO BE THE THREE MOST LIKELY POSSIBILITIES: A MOCKUP OF AN UPPER DECKHOUSE FOR WEAPONS ELECTRONICS EQUIPMENT SIMILAR TO THAT FOUND ON KIEV-CLASS GUIDED-MISSILE V/STOL AIRCRAFT CARRIERS (CVHG), A NEW CRUISE-MISSILE LAUNCHER; OR A NEW SURFACE-TO-AIR MISSILE (SAM) LAUNCHER.

ALTHOUGH THE RESULTS OF THE ANALYSIS ARE INCONCLUSIVE, THE CURRENT EVIDENCE INDICATES THAT THE MOST LIKELY FUNCTION OF THIS STRUCTURE IS TO SIMULATE THE APPEARANCE OF, AND PROVIDE THE SERVICES PERFORMED BY, THE UPPER WEAPONS ELECTRONICS EQUIPMENT DECKHOUSE ON KIEV-CLASS CVHGS. IF SO, THE CONSTRUCTION OF THIS STRUCTURE COULD INDICATE A RESUMPTION OF SS-N-12 TESTING AT LAUNCH FACILITY A, OR THE ADVENT OF TESTING OF A NEW CRUISE MISSILE WITH CHARACTERISTICS SIMILAR TO THOSE OF THE SS-N-12. OIA FOUND NO EVIDENCE IN EITHER THE DESIGN OR FABRICATION OF THIS STRUCTURE WHICH WOULD INDICATE THAT IT IS CAPABLE OF FUNCTIONING AS A CRUISE-MISSILE LAUNCHER, NOR WAS THERE ANY EVIDENCE TO SUPPORT THE VIEW THAT THE STRUCTURE COULD BE USED AS A SAM LAUNCHER.

CIA INFR IS10228J-78 06 OCT 78 [] SEC CLASS: 24 MSN: 0006P ACCN: S085667 25X1

KAZAN AIRFRAME PLT 22 BACKFIRE WING CMPNT CRT UR 555140N 0490700E

998
TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC NO :	BE/OBJ NO :	NPIC NO :	- 14-G
IDHS CODE :	EPF CAT : 05G	COMIREX NO :	
IRKUTSK AIRFRAME PLANT 39	BACKFIRE COMPONENTS	UR	522131N 1041216E
WAC NO :	BE/OBJ NO :	NPIC NO :	- 4-A
IDHS CODE :	EPF CAT : 05G	COMIREX NO :	

25X1

25X1

25X1

25X1

25X1

CONSTRUCTION OF A CRATE STORAGE AREA AT THE KAZAN PLANT AND THE OBSERVATION OF 11 DIFFERENT SIZES OF CRATES IN THIS STORAGE AREA, TWO OF WHICH COULD CONTAIN PARTIALLY ASSEMBLED BACKFIRE WINGS, SUGGESTS THE SHIPMENT OF BACKFIRE COMPONENTS TO KAZAN MAY HAVE BEGUN. HOWEVER, NONE OF THE CRATES SEEN AT KAZAN HAVE YET BEEN IDENTIFIED AT IRKUTSK. ALSO, THERE IS NO EVIDENCE OF EITHER FACILITY EXPANSION OR A REDUCTION IN OTHER AIRCRAFT PRODUCTION PROGRAMS AT IRKUTSK TO FACILITATE THE ADDITION OF BACKFIRE RELATED WORK.

CIA INFR IS10245K-78 12 OCT 78 SEC CLASS: 13 MSN: 0006P

ACCN: S085625X1

MISSILES, ICBM PAYLOAD ACTIVITY

UR

WAC NO :	BE/OBJ NO :	NPIC NO :	-
IDHS CODE :	EPF CAT : 40A	COMIREX NO :	

SINCE MAY, 1978, 16 ICBM PAYLOAD OPERATIONS HAVE BEEN IDENTIFIED AT 15 DEPLOYED SS-17, SS-18, AND SS-19 LAUNCH SITES. ALL OF THESE SITES WERE BELIEVED TO BE IN A FULLY OPERATIONAL STATUS. THE PAYLOAD OPERATIONS WHICH WERE OBSERVED AT SEVEN SS-18 LAUNCH SITES APPEAR TO HAVE BEEN PART OF A PAYLOAD-EXCHANGE PROGRAM AT OPERATIONAL LAUNCH SITES. AT PRESENT, OIA IS UNCERTAIN OF THE PURPOSE OF THE PAYLOAD-RELATED ACTIVITY OBSERVED AT THE FIVE SS-17 AND THREE SS-19 LAUNCH SITES. ALTHOUGH THESE ACTIVITIES COULD HAVE ALSO BEEN PART OF A PAYLOAD-EXCHANGE PROGRAM, OIA FEELS THAT IT IS MORE LIKELY THAT THEY REPRESENTED THE INITIAL MATING OF PAYLOADS TO PREVIOUSLY-INSTALLED BOOSTERS. IF THE LATTER IS TRUE, THESE LAUNCH SITES WERE NOT IN AN OPERATIONAL STATUS PRIOR TO THE PAYLOAD-RELATED ACTIVITIES.

25X1

999
TOP SECRET CHESS RUFF

25X1

25X1

TOP SECRET CHESS RUFF

25X1

25X1

25X1

CIA INFR IS10246K-78 20 OCT 78 SEC CLASS: 13 MSN: 0008P ACCN: S085671

25X1

INDUSTRY, THERMAL PWR PLTS BOILER FUELS/EXPSN UR
WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 30E COMIREX NO:

THIS MEMORANDUM PRESENTS THE RESULTS OF A STUDY OF 42 SOVIET THERMAL POWER PLANTS TO DETERMINE ANY CHANGE IN THE TYPE OF FUEL USED AND TO IDENTIFY NEW CONSTRUCTION OR EXPANSION THAT WILL ADD TO THE PLANTS' GENERATING CAPACITIES. THIS STUDY UPDATES A PREVIOUS OFFICE OF IMAGERY ANALYSIS STUDY OF THE SAME 42 PLANTS, FUELS AT SOVIET THERMAL POWER PLANTS. INFORMATION CONTAINED IN THIS MEMORANDUM WAS DERIVED PRIMARILY FROM 1978 SATELLITE IMAGERY. OLDER IMAGERY WAS USED AS NEEDED.

25X1

CIA INFR IS10193K-78 17 AUG 78 SEC CLASS: 13 MSN: 0015P ACCN: S085672

25X1

SHATSKAYA COAL GASIFICATION STATION U/G UR 540953N 0375135E
WAC NO : BE/OBJ NO: NPIC NO : - 213
IDHS CODE: EPF CAT : 30B COMIREX NO:
KISELEVSK COAL GASIFICATION STATION U/G UR 535602N 0863850E
WAC NO : BE/OBJ NO: NPIC NO : - 73
IDHS CODE: EPF CAT : 30B COMIREX NO:
ANGREN COAL GASIFICATION STATION U/G UR 410042N 0700948E
WAC NO : BE/OBJ NO: NPIC NO : - 45-B
IDHS CODE: EPF CAT : 30B COMIREX NO:

25X1

25X1

25X1

25X1

25X1

25X1

ANALYSIS OF IMAGERY OF THREE UNDERGROUND GASIFICATION OF COAL (UGC) SITES IN THE SOVIET UNION -- AT ANGREN, KISELEVSK, AND SHATSK -- SHOWS THAT THE SOVIETS HAVE NOT INTRODUCED ANY NEW TECHNOLOGY OR PROCESSES DURING 1977 OR 1978. THEIR EFFORT CONTINUES TO BE DIRECTED PRIMARILY TOWARD MAINTAINING, AND POSSIBLY IMPROVING EXISTING TECHNOLOGY. GAS PRODUCTION AT THE SITES HAS NOT INCREASED, AND THE GAS CONTINUES TO BE USED AS A SUPPLEMENTAL FUEL BY NEARBY CONSUMERS.

ONLY THE ANGREN AND KISELEVSK SITES WERE IN OPERATION IN THE SPRING OF 1978. THE SHATSK SITE WAS NOT PRODUCING, BUT SOME CONSTRUCTION AT THE SITE SUGGESTS THAT A NEW AREA MAY BE IN THE PROCESS OF BEING

25X1

25X1

1000
TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

25X1

DEVELOPED.

CIA INFR 1S10262J-78 15 NOV 78 [] SEC CLASS: 24 MSN: 0045P ACCN: S085674 25X1

MILITARY, 64TH ARMY SHENYANG MILITARY REGION CH
WAC NO : BE/OBJ NO: NPIC NO : -
IUHS CODE: EPF CAT : 35 COMIREX NO:

THIS MEMORANDUM DISCUSSES THE 64TH ARMY IN SHEN-YANG MILITARY REGION. IT INCLUDES A TABLE WHICH LISTS ALL OF THE UNITS WHICH ARE SUBORDINATE TO THIS ARMY. ATTACHED TO THE REPORT ARE UNIT PHOTOGRAPHS ANNOTATED IN THE NATIONAL BASIC REFERENCE GRAPHIC (NBRG) FORMAT AND OIA INSTALLATION BRIEFS FOR EACH INSTALLATION IN THE ARMY. THE ANALYSIS PRESENTED IN THIS MEMORANDUM HAS BEEN COORDINATED WITH MEMBERS OF THE CHINA GROUND FORCES WORKING GROUP.*

25X1

AF PAR 11-78 03 OCT 78 SEC CLASS: 04 MSN: 0002P ACCN: S085706

ELECTRONICS, THIN SKIN B RADAR MODIFIED PL
WAC NO : BE/OBJ NO: NPIC NO : -
IUHS CODE: EPF CAT : 25A COMIREX NO:

THIS REPORT PROVIDES A DIMENSIONAL ANALYSIS OF THE HORN MODIFICATION TO THE THIN SKIN B GROUND RADAR. THIS REPORT IS KEYED TO DRAWING 72C1017.*

AF PAR 9-78 29 SEP 78 SEC CLASS: 04 MSN: 0002P ACCN: S085707

AIRCRAFT, FISHBED H RECON POD VARIANT SEARCH UR
WAC NO : BE/OBJ NO: NPIC NO : -
IUHS CODE: EPF CAT : 05D COMIREX NO:

AF PAR 12-78 18 OCT 78 SEC CLASS: 05 MSN: 0004P ACCN: S085708

1001
TOP SECRET CHESS RUFF

25X1
25X1



TOP SECRET CHESS RUFF



25X1

AIRCRAFT, BACKFIRE B
WAC NO :
IDHS CODE:

BE/OBJ NO:
EPF CAT : 05D

UR
NPIC NO : -
COMIREX NO:

THIS REPORT IS A DETAILED DESCRIPTION OF THE BACKFIRE B, INCLUDING MENSURATION, IDENTIFICATION, AND DESCRIPTION OF EXTERNAL FITTINGS.*

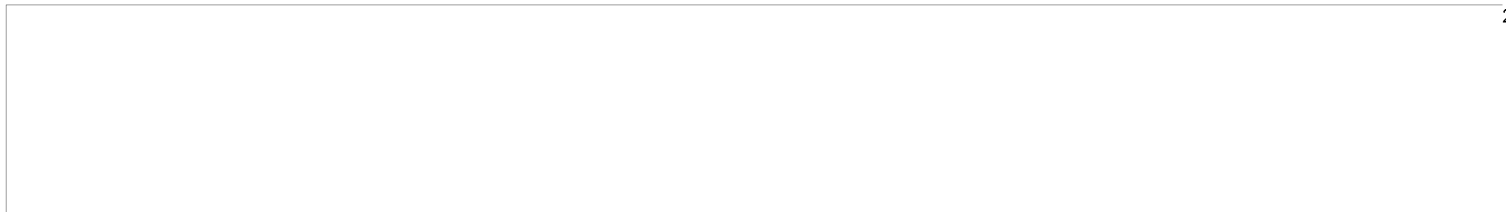
AF PAR 8-78 24 OCT 78 SEC CLASS: 07 MSN: 0004P ACCN: S085709

MISSILES, SS-11 CANISTER
WAC NO :
IDHS CODE:

BE/OBJ NO:
EPF CAT : 40A

UR
NPIC NO : -
COMIREX NO:

THIS REPORT UPDATES PAR 74-003 AND DRAWING 74E1005/1. IT INCLUDES AN UPDATED DESCRIPTION OF THE SS-11 MISSILE/CANISTER AND CONVERTS ALL DIMENSIONS TO METRIC.*



25X1

AF PAR 706-78 30 OCT 78 SEC CLASS: 13 MSN: 0002P ACCN: S085711 25X1

AKHTUBINSK ANTI-RADIATION MISSILE TARGET SRCH
WAC NO : 0235 BE/OBJ NO:
IDHS CODE: EPF CAT : 40

UR 4828 N 04710 E
NPIC NO : -
COMIREX NO:

AF PAR 695-78 16 OCT 78 SEC CLASS: 13 MSN: 0002P ACCN: S085712 25X1

KAMCHATKA MISSILE IMPACT AREA ELCT FACS 1-12
WAC NO : 0132 BE/OBJ NO:
IDHS CODE: EPF CAT : 25C

UR 5530 N 16130 E
NPIC NO : -
COMIREX NO:

25X1

THIS REPORT UPDATES PAR 77-589. THERE WERE NO CHANGES OBSERVED AT THE KAMCHATKA IMPACT AREA ELECTRONICS FACILITIES 1 THROUGH 12 FROM JAN 78 THROUGH SEP 78.*

AF PAR 696-78 25 OCT 78 SEC CLASS: 13 MSN: 0006P ACCN: S085713 25X1

1002
TOP SECRET CHESS RUFF



25X1
25X1



TOP SECRET CHESS RUFF



25X1

NARYAN MAR TELEMETRY/TRACKING FACILITY UR 673611N 0525848E
WAC NO : BE/OBJ NO: NPIC NO : - 4-D1
IUHS CODE: EPF CAT : 25C COMIREX NO:

25X1
25X1

THIS REPORT PROVIDES AN UPDATED PHOTO ANALYSIS OF THE NARYAN MAR TELEMETRY/TRACKING FACILITY. THIS REPORT SUPERSEDES PARAGRAPHS 2.A.(1) AND (2) OF PAR 77-582, JUNE 1977; 3.A.(1) AND (2) OF PAR 76-661, SEPTEMBER 1976; AND 2.B (1), (2), (3) AND (4) OF PAR 75-603, OCTOBER 1975. ALL ANNOTATIONS IN THIS REPORT ARE KEYED TO DRAWING NUMBER 75E6526/3.

AF PAR 686-78 12 OCT 78 SEC CLASS: 13 MSN: 0002P ACCN: 50857125X125X1

KAMCHATKA MISSILE INSTRUMENTATION ARRAY PROB UR 572202N 1614334E
WAC NO : BE/OBJ NO: NPIC NO : -
IUHS CODE: EPF CAT : 25C COMIREX NO:
KAMCHATKA MISSILE INSTRUMENTATION SITE Z1 UR 571927N 1615134E
WAC NO : BE/OBJ NO: NPIC NO : -
IUHS CODE: EPF CAT : 25C COMIREX NO:

25X1
25X1
25X1
25X1

AF PAK 693-78 23 OCT 78 SEC CLASS: 13 MSN: 0003P ACCN: 50857125X1

NENOKSA NAVAL MTC TRACKING FACILITY UR 643807N 0390924E
WAC NO : BE/OBJ NO: NPIC NO : - 21-A1
IUHS CODE: EPF CAT : 25C COMIREX NO:

25X1
25X1

THIS REPORT AND DRAWING 78C6543 PROVIDES AN UPDATED ANALYSIS OF THE NENOKSA MTC TRACKING FACILITY. ANTENNA MENSURATION IS PRESENTED IN TABULAR FORM. THIS REPORT SUPERSEDES PAR 71-630, PARAGRAPH 3.B OF PAR 72-776, PARAGRAPHS 2 AND 3.A. OF PAR 74-658, PARAGRAPHS 3.A. AND 3.B. OF PAR 76-663, AND PARAGRAPH 2.A. OF PAR 77-590.*

AF PAR 698-78 25 OCT 78 SEC CLASS: 13 MSN: 0003P ACCN: 50857125X1

KNYAZHPOGOST TELEMETRY/TRACKING FACILITY UR 623230N 0505400E
WAC NO : BE/OBJ NO: NPIC NO : - 2-A1
IUHS CODE: EPF CAT : 25C COMIREX NO:

25X1
25X1

THIS REPORT PROVIDES A DETAILED PHOTO ANALYSIS OF KNYAZHPOGOST TELEMETRY/TRACKING FACILITY. IT INCLUDES A TABLE OF ANTENNA TYPES, ORIENTATIONS, AND SIZES. IT SUPERCEDES PAR 77-578, 76-632, AND P.3.A. OF 74-670.*

AF PAR 681-78 03 OCT 78 SEC CLASS: 13 MSN: 0004P ACCN: 50857125X1

PLESSETSK MTC TELEMETRY/TRACKING FACILITY UR 625642N 0412621E

1003
TOP SECRET CHESS RUFF



25X1
25X1

TOP SECRET CHESS RUFF

25X1
25X1

WAC NO :	BE/OBJ NO :	NPIC NO :	- 71
IDHS CODE :	EPF CAT :	COMIREX NO :	
PLESETSK MTC ESV TRACKING FACILITY		UR	625357N 0403329E
WAC NO :	BE/OBJ NO :	NPIC NO :	- 27-N
IDHS CODE :	EPF CAT :	COMIREX NO :	

25X1
25X1
25X1
25X1

THIS REPORT IS A DETAILED PHOTO ANALYSIS OF THE PLESETSK ESV TRACKING FACILITY AND THE PLESETSK TELEMETRY/TRACKING FACILITY. IT UPDATES PAR 77-581 AND PAR 77-707.*

AF PAR 694-78 12 OCT 78 SEC CLASS: 13 MSN: 0004P

ACCN: S085718

25X1

MOSKVA/SHCHELKOVO AIRFIELD ORD/MSL DISPLAY	UR	555248N 0380347E	
WAC NO :	BE/OBJ NO :	NPIC NO :	- 51
IDHS CODE :	EPF CAT :	COMIREX NO :	
MOSKVA/SHCHELKOVO AIRFIELD ORD/MSL DISPLAY	UR	555248N 0380347E	
WAC NO :	BE/OBJ NO :	NPIC NO :	- 51
IDHS CODE :	EPF CAT :	COMIREX NO :	
MOSKVA/SHCHELKOVO AIRFIELD ORD/MSL DISPLAY	UR	555248N 0380347E	
WAC NO :	BE/OBJ NO :	NPIC NO :	- 51
IDHS CODE :	EPF CAT :	COMIREX NO :	

25X1
25X1
25X1
25X1
25X1
25X1
25X1

IMAGERY OF MOSCOW/SHCHELKOVO AIRFIELD WAS ANALYZED TO DETERMINE DIMENSIONS AND CONFIGURATIONS OF THREE MISSILE-LIKE OBJECTS ASSOCIATED WITH A FLOGGER B, A FLOGGER D, AND A HORMONE A. THESE AIRCRAFT ARE PART OF A STATIC DISPLAY WHICH INCLUDES ASSOCIATED ARMAMENT. THESE OBJECTS ARE ALSO COMPARED WITH A MAVERICK-LIKE OBJECT SEEN ON A MODIFIED FENCER A AT AKHTUBINSK/VLADIMIROVKA AIRFIELD ON IMAGERY OF

25X1
25X1

AF PAR 689-78 03 OCT 78 SEC CLASS: 13 MSN: 0002P

ACCN: S085720

25X1

PHOTO, INFRARED SOURCE CORRELATIONS	UR		
WAC NO :	BE/OBJ NO :	NPIC NO :	-
IDHS CODE :	EPF CAT :	COMIREX NO :	

1004
TOP SECRET CHESS RUFF

25X1
25X1

Page Denied

TOP SECRET CHESS RUFF

25X1
25X1

THIS DRAWING SUPPLEMENTS PARS 73-561, 77-515, 77-700, AND 78-676.*

AF ENDR C1512-1-76 28 AUG 78 [] SEC CLASS: 13 MSN: [] 0001P ACCN: S085724 25X1

MISSILES, ICBM SITES SECURITY BUILDINGS NEW UR
WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 40A COMIREX NO:

THIS DRAWING SUPPLEMENTS PARS 74-510, 76-602 AND 78-610 AND DRAWINGS 74E1505/2, 78E1506, 78C6507/1, 78E6522/1, 78E6525/1 AND 78E6529/1.*

AF ENDR D6540-78 13 SEP 78 [] SEC CLASS: 13 MSN: 0001P ACCN: S085725 25X1

YOSHKAR OLA SSM COMPLEX ICBM DEPLOYMENT UR 564740N 0483058E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 15-D
IDHS CODE: [] EPF CAT : 40A COMIREX NO: []

25X1
25X1

AF ENDR C6543-78 04 OCT 78 [] SEC CLASS: 13 MSN: 0001P ACCN: S085726 25X1

NENOKSA NAVAL MTC TRACKING FACILITY UR 643807N 0390924E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 21-A1
IDHS CODE: [] EPF CAT : 25C COMIREX NO: []

25X1.1
25X1

THIS DRAWING SUPPLEMENTS PAR 78-693 AND SUPERSEDES DRAWING 70C6553/5.*

AF ENDR B4524-78 21 SEP 78 [] SEC CLASS: 13 MSN: 0001P ACCN: S085727 25X1

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

THIS DRAWING SUPPLEMENTS PAR 78-683.*

AF ENDR E1505-2-74 28 AUG 78 [] SEC CLASS: 13 MSN: [] 0001P ACCN: S085728 25X1

MISSILES, ICBM TYPE 3D SITE MODERNIZED UR
WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 40A COMIREX NO:

THIS DRAWING SUPPLEMENTS PARS 74-510, 76-602, 78-610 AND DRAWINGS 78C6507/1, 78E6522/1, 78E6525/1 AND 78E6529/1.*

AF ENDR E6526-3-75 17 OCT 77 [] SEC CLASS: 13 MSN: 0001P ACCN: S085729 25X1

1006
TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WARYAN MAR TELEMETRY/TRACKING FACILITY
WAC NO : [] BE/OBJ NO: [] UR 673611N 0525848E
IUHS CODE: [] EPF CAT : 25C NPIC NO : - 4-D1
COMIREX NO: []

25X1
25X1

THIS DRAWING SUPERSEDES DRAWING 68E6515 AND SUPPLEMENTS PAR 78-696.*

25X1

AF ENDR L1005-1-74 12 SEP 78 SEC CLASS: 07 MSN: 0001P ACCN: S085731

MISSILES, SS-11 MISSILE/CANISTER/TRANSPORTER UR
WAC NO : [] BE/OBJ NO: [] NPIC NO : -
IUHS CODE: [] EPF CAT : 40A COMIREX NO: []

THIS DRAWING SUPPLEMENTS PARS 74-003 AND 78-008.*

AF ENDR B4001-78 14 SEP 78 SEC CLASS: 00B MSN: 0001P ACCN: S085732

AIRCRAFT, FIGHTER INLET U/I CH
WAC NO : [] BE/OBJ NO: [] NPIC NO : -
IUHS CODE: [] EPF CAT : 05D COMIREX NO: []

AF ENDR E1003-1-74 11 SEP 78 SEC CLASS: 04 MSN: 0001P ACCN: S085733

AIRCRAFT, FISHBED L MIG-21 UR
WAC NO : [] BE/OBJ NO: [] NPIC NO : -
IUHS CODE: [] EPF CAT : 05D COMIREX NO: []

THIS DRAWING IS SUPPLEMENTED BY DRAWINGS 71E1028 AND 72E1011.*

25X1

1007
TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1
25X1

THIS DRAWING SUPPLEMENTS PARS 77-700 AND 78-676.*

AF ENDR E1020-78 11 SEP 78 SEC CLASS: 04 MSN: 0001P ACCN: S085735
AIRCRAFT, FISHBED N MIG-21 UR
WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 05D COMIREX NO:

THIS DRAWING IS SUPPLEMENTED BY DRAWINGS 71E1028, 72E1011, AND 74E1003/1.*

AF ENDR D3508-1-78 11 OCT 78 SEC CLASS: 13 MSN: 0001P ACCN: S085736 25X1 25X1
MISSILES, ICBM TYPE 3H SILO UPPER DETAILS UR
WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 40A COMIREX NO:

THIS DRAWING SUPPLEMENTS PARS 77-542, 77-809, 78-607, AND AF BIIR RFB-22/0013/78.*

AF ENDR E1019-78 31 AUG 78 SEC CLASS: 04 MSN: 0001P ACCN: S085737
AIRCRAFT, FLAGON F SU-15 UR
WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 05D COMIREX NO:

THIS DRAWING SUPPLEMENTS DRAWING NUMBER 78E1018 AND SUPERSEDES DRAWING 77C3010.*

AF ENDR E1018-78 03 AUG 78 SEC CLASS: 04 MSN: 0001P ACCN: S085738
AIRCRAFT, FLAGON E SU-15 UR
WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 05D COMIREX NO:

CIA STDY W110020J-78 SEP 78 SEC CLASS: 25A MSN: 0018P ACCN: S085741 25X1
MISSILES, NAVAL CRUISE MISSILE DEV PROGRAM UR
WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 40G COMIREX NO:

A SOVIET DEVELOPMENT PROGRAM FOR A TURBOJET-POWERED NAVAL CRUISE MISSILE APPEARS TO BE IN THE PREFLIGHT STAGES. EXISTENCE OF THE PROGRAM IS INDICATED BY THE PRESENCE OF CRUISE MISSILE EQUIPMENT AT VARIOUS SOVIET DESIGN, DEVELOPMENT, FLIGHT-TEST, AND PRODUCTION FACILITIES SINCE 1975. THE EVIDENCE CONSISTS MAINLY OF A CRUISE MISSILE AIRFRAME AND SHIPPING CRATES THAT APPEAR TO BE SIMILAR TO THOSE USED BY THE SOVIET SS-N-12 ANTISHIP CRUISE MISSILE. FLIGHT-TESTING OF THE MISSILE COULD BEGIN IN 1978.

1008
TOP SECRET CHESS RUFF

25X1
25X1

Declassified in Part - Sanitized Copy Approved for Release 2014/03/07 : CIA-RDP80T00913A000200030001-4

[Redacted]

TOP SECRET CHESS RUFF [Redacted]

[Redacted]

25X1

[Large Redacted Area]

25X1

DIA STDY DDB1110-004-78 NOV 78 [Redacted] SEC CLASS: 14 X MSN: 0034P ACCN: S085746 25X1

MISSILES, ATM-1 SYSTEM/DEPLOYMENT/FACILITIES KN
WAC NO : BE/OBJ NO: NPIC NO : -
IUHS CODE: EPF CAT : 40 COMIREX NO:

1009
TOP SECRET CHESS RUFF [Redacted]

[Redacted]

25X1
25X1

Declassified in Part - Sanitized Copy Approved for Release 2014/03/07 : CIA-RDP80T00913A000200030001-4

TOP SECRET CHESS RUFF

25X1

THE NORTH KOREAN ARMY (NKA) ARSENAL OF ANTITANK WEAPONS INCLUDES THE SOVIET AT-1/SNAPPER ANTITANK GUIDED MISSILE (ATGM) SYSTEM. THIS WEAPON IS EFFECTIVE, THOUGH OBSOLETE, AND CONTRIBUTES SIGNIFICANTLY TO THE NORTH KOREAN ANTIARMOR CAPABILITY. THERE ARE ABOUT 132 OF THESE WEAPONS IN THE NKA INVENTORY, ORGANIZED INTO 11 BATTERIES, AND ASSIGNED TO THE 4 SOUTHERN CORPS. THE SNAPPERS ARE DEPLOYED IN A DEFENSIVE POSTURE ALONG THE BEST ARMOR-CAPABLE AVENUES OF APPROACH INTO NORTH KOREA.

THOUGH OUTMODED BY US STANDARDS, THE SNAPPER IS THE MOST EFFECTIVE NKA ANTITANK WEAPON, AND ITS ADOPTION BY NORTH KOREA DOES REPRESENT A FORWARD-THINKING ATTITUDE TOWARD WEAPONS MODERNIZATION. THE FUTURE MAY BRING PROGRESS AND ADVANCEMENT IN THE FIELD.

DIA STDY DDB1300-133-78 NOV 78 [] SEC CLASS: 25 MSN: 0023P ACCN: S085747 25X1

AIRCRAFT, PHOTO RECONNAISSANCE CAPABILITIES		UR
WAC NO :	BE/OBJ NO:	NPIC NO :
IDHS CODE:	EPF CAT : 05D	COMIREX NO:
PHOTO, RECONNAISSANCE AIRCRAFT		UR
WAC NO :	BE/OBJ NO:	NPIC NO :
IDHS CODE:	EPF CAT : 65	COMIREX NO:

THE PURPOSE OF THIS STUDY IS TO EXAMINE THE AIR-BREATHING PHOTOGRAPHIC RECONNAISSANCE EFFORT BEING CARRIED OUT BY THE USSR. THE CAPABILITIES OF PHOTORECONNAISSANCE AIRCRAFT AND THEIR ASSOCIATED IMAGERY SYSTEMS ARE DISCUSSED, AND THE METHODS, AREAS OF OPERATIONS, TARGETS, AND FILM EXPLOITATION CAPABILITIES OF THE SOVIET PHOTORECONNAISSANCE PROGRAM ARE DESCRIBED.

THE USSR EMPLOYS MORE THAN 760 AIRCRAFT TO CARRY OUT STRATEGIC, TACTICAL, AND OPERATIONAL PHOTOGRAPHIC RECONNAISSANCE MISSIONS. SOVIET NAVAL AVIATION (SNA) AND LONG RANGE AVIATION (LRA) UTILIZE TU-16/BADGER, TU-22/BLINDER, AND TU-95/BEAR AIRCRAFT SPECIALLY FITTED WITH A WIDE VARIETY OF CAMERA SYSTEMS TO FULFILL STRATEGIC PHOTOGRAPHIC RECONNAISSANCE RESPONSIBILITIES. TACTICAL AND OPERATIONAL PHOTOGRAPHIC RECONNAISSANCE TASKS ARE CARRIED OUT BY YAK-28/BREWER AND IL-28/BEAGLE BOMBERS AND MIG-21/FISHBED AND MIG-25/FOXBAT FIGHTERS ASSIGNED TO SOVIET FRONTAL AVIATION (FA).

25X1

1010
TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

25X1

DIA STDY DDB1100-16b-78 OCT 78 SEC CLASS: 24 MSN: 0016P

ACCN: S0857525X1

25X1

MILITARY, GROUND FORCES TRNG	SUMMARY 1977 SOV	CZ
WAC NO :	BE/OBJ NO:	NPIC NO : -
IUHS CODE:	EPF CAT : 35B	COMIREX NO:
MILITARY, GROUND FORCES TRNG	SUMMARY 1977 SOV	PL
WAC NO :	BE/OBJ NO:	NPIC NO : -
IUHS CODE:	EPF CAT : 35B	COMIREX NO:
MILITARY, GROUND FORCES TRAINING	SUMMARY 1977	UR
WAC NO :	BE/OBJ NO:	NPIC NO : -
IUHS CODE:	EPF CAT : 35B	COMIREX NO:

THIS STUDY BRIEFLY REVIEWS THE TRAINING CONDUCTED BY THE SOVIET GROUND FORCES THROUGHOUT THE 1977 TRAINING YEAR. IT INCLUDES THOSE WARSAW PACT EXERCISES WHICH INVOLVED SOVIET TROOPS. THE MAIN BODY OF THE STUDY DISCUSSES THE ORGANIZATION, PATTERN, AND TYPE OF TRAINING CONDUCTED BY SOVIET UNITS OVER THE PAST YEAR AND PROVIDES AN ASSESSMENT OF THE TACTICAL TRENDS, STRENGTHS, CAPABILITIES AND WEAKNESSES DEMONSTRATED DURING THAT TRAINING.

INCLUDED IS A BRIEF SUMMARY OF THE PRINCIPAL TRAINING ACTIVITIES DETECTED ABOVE REGIMENTAL LEVEL. COMPANY THROUGH REGIMENTAL EXERCISES ARE GENERALLY NOT COVERED. SOME EXERCISES ON WHICH COLLATERAL IS PRESENTLY INCOMPLETE OR CONTRADICTORY HAVE NOT BEEN INCLUDED.

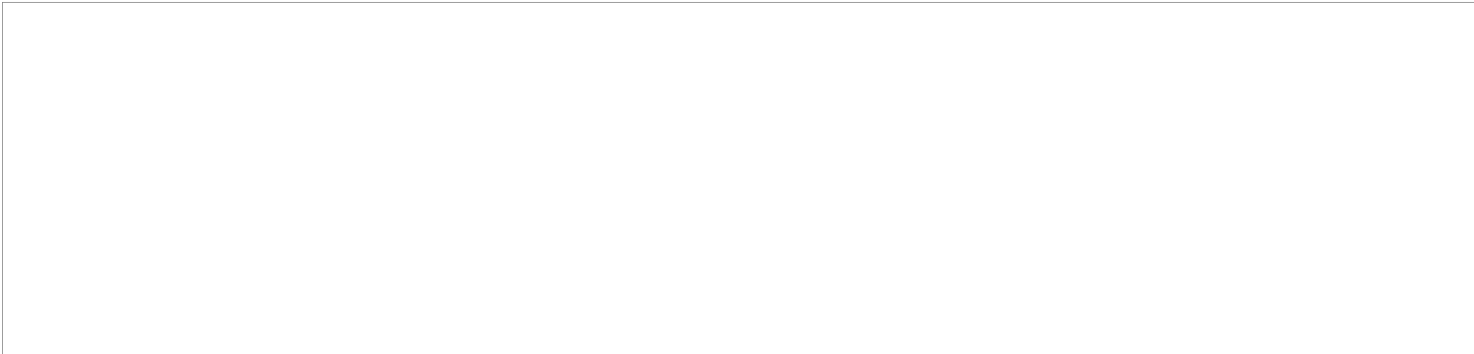
25X1

1011
TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1



25X1

AF PAR 715-78 15 NOV 78 [redacted] SEC CLASS: 13 MSN: 0002P ACCN: S085755 25X1

ELECTRONICS, ICBM TYPE 3G SITES GUIDANCE FACs UR
WAC NO : BE/OBJ NO: NPIC NO : -
IUHS CODE: EPF CAT : 25C COMIREX NO:

TYPE 3G ICBM LAUNCH SITES AT THE TYURATAM MTC AND AT DERAZHNYA, PERVOMAYSK, AND KOZELSK ICBM COMPLEXES WERE ANALYZED FOR THE PRESENCE OF RADIO GUIDANCE FACILITIES. THIS REPORT SUPERSEDES PAR 77-667.*

AF PAR 722-78 15 NOV 78 [redacted] SEC CLASS: 13 MSN: 0002P ACCN: S085756 25X1

ELECTRONICS, ICBM TYPE 3X LCF GDNc EQUIP SRCH UR
WAC NO : BE/OBJ NO: NPIC NO : -
IUHS CODE: EPF CAT : 25C COMIREX NO:

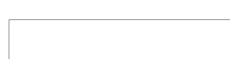
NO ELECTRONIC GUIDANCE EQUIPMENT COULD BE IDENTIFIED AT OR NEAR TYPE 3X LAUNCH CONTROL FACILITIES. THIS REPORT SUPERSEDES PARS 77-675, 76-676 AND 75-615.*

AF PAR 716-78 28 NOV 78 [redacted] SEC CLASS: 13 MSN: 0007P ACCN: S085757 25X1

HSIAOPACHANG INDUSTRIAL FACILITY CH 313610N 1041855E
WAC NO : BE/OBJ NO: [redacted] NPIC NO : - 116-A
IUHS CODE: [redacted] EPF CAT : 30 COMIREX NO: [redacted]

25X1:1
25X1

1012
TOP SECRET CHESS RUFF



25X1
25X1

[REDACTED] TOP SECRET CHESS RUFF [REDACTED]

[REDACTED] 25X1

THIS REPORT SUPERSEDES PAR 74-672 AND IS SUPPLEMENTED BY DRAWING 78D6550. IT INCLUDES INFORMATION ON THE CONSTRUCTION AND BUILDING EXPANSION/MODIFICATION AT HSIAO-PA-CHANG INDUSTRIAL FACILITY; ITS TEST AND SUPPORT FACILITIES; AND A CONSTRUCTION CHRONOLOGY SHOWING FACILITY GROWTH YEAR-BY-YEAR WITHIN THE FACILITY.*

[REDACTED] 25X1

1013
TOP SECRET CHESS RUFF [REDACTED]

[REDACTED] 25X1
[REDACTED] 25X1

[Redacted]

TOP SECRET CHESS RUFF

[Redacted]

[Redacted]

25X1

25X1

[Large Redacted Area]

25X1

AF PAR 726-78 16 NOV 78 [Redacted] SEC CLASS: 13 MSN: 0004P ACCN: S085764 25X1

AIRCRAFT, RAM H AIRFRAME

WAC NO :	BE/OBJ NO:	NPIC NO :	-
IUHS CODE:	EPF CAT : 05D	COMIREX NO:	
RAMENSKOYE FLIGHT TEST CENTER	RAM H AIRFRAMES	UR	553418N 0380923E
WAC NO :	BE/OBJ NO:	NPIC NO :	- 50
IUHS CODE:	EPF CAT : 05G	COMIREX NO:	
MOSKVA GUIDED MISSILE PLT 82	RAM H AIRFRAMES	UR	555023N 0372702E
WAC NO :	BE/OBJ NO:	NPIC NO :	- 52
IUHS CODE:	EPF CAT : 40E	COMIREX NO:	
MOSKVA GUIDED MISSILE PLT 82	RAM H AIRFRAMES	UR	555023N 0372702E
WAC NO :	BE/OBJ NO:	NPIC NO :	- 52
IUHS CODE:	EPF CAT : 05D	COMIREX NO:	

25X1

25X1

25X1

25X1

25X1

25X1

THIS ANALYSIS VERIFIES THAT THE AIRFRAME SEEN AT MOSCOW GM PLANT 82 IS A RAM-H AIRFRAME. A COMPARISON OF THIS AIRFRAME WITH THE RAM-H AIRFRAME SEEN AT RAMENSKOYE FLIGHT TEST CENTER IS INCLUDED IN THE REPORT.*

[Large Redacted Area]

25X1

TOP SECRET CHESS RUFF

[Redacted]

[Redacted]

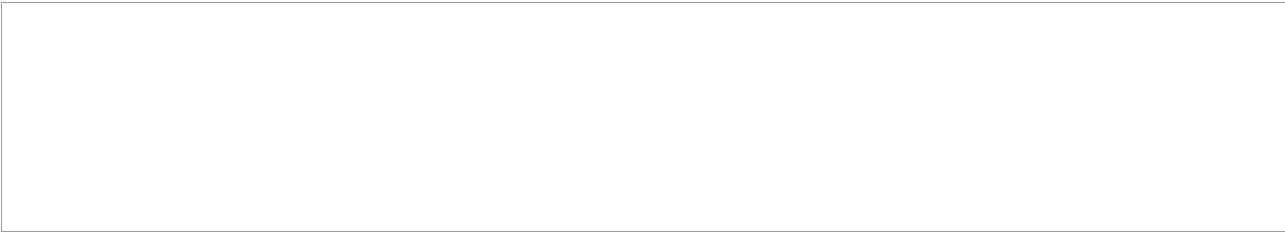
25X1

25X1

Page Denied

TOP SECRET CHESS RUFF

25X1



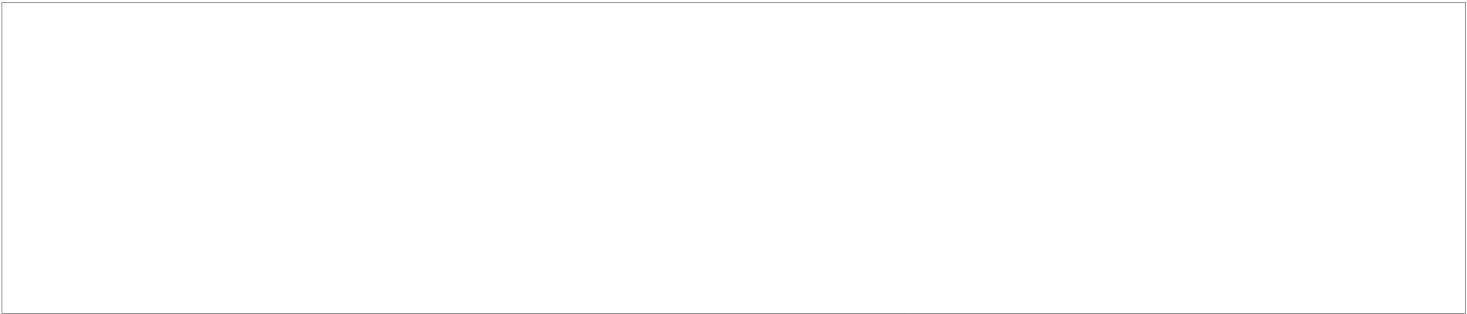
25X1

NPIC PIR PIR045-78 NOV 78 [redacted] SEC CLASS: 14B MSN: [redacted] 0006P ACCN: S085777 25X1

BUCHARESTI AEROSPACE RESEARCH INSTITUTE [redacted] RO 442556N 0260020E
WAC NO : [redacted] BE/OBJ NO: [redacted] NPIC NO : - 15-J1 25X1:1
IDHS CODE: [redacted] EPF CAT : 40H COMIREX NO:

THIS REPORT PROVIDES AN INITIAL BASIC DESCRIPTION OF THE RECENTLY COMPLETED BUCHARESTI AEROSPACE RESEARCH INSTITUTE, THE ONLY KNOWN AEROSPACE RESEARCH FACILITY IN ROMANIA. A LOCATION MAP, AN ANNOTATED PHOTOGRAPH, AND A TABLE OF DESCRIPTIVE AND MENSURAL DATA ARE ALSO INCLUDED IN THIS REPORT.

25X1



DIA BIIR RDA05-0007-78 NOV 78 [redacted] SEC CLASS: 14D MSN: [redacted] 0011P ACCN: S085779 25X1

FOUSHIN AIRFIELD 2 [redacted] CH 420446N 1213934E
WAC NO : [redacted] BE/OBJ NO: [redacted] NPIC NO : - 8-K 25X1
IDHS CODE: [redacted] EPF CAT : USA COMIREX NO: [redacted] 25X1

1016
TOP SECRET CHESS RUFF

25X1
25X1

[REDACTED]

TOP SECRET CHESS RUFF [REDACTED]

[REDACTED]

25X1

THIS REPORT IS A DETAILED, IMAGERY DERIVED ANALYSIS OF FOU-HSIN AIRFIELD 2 AS IT APPEARED ON [REDACTED] THE BASE, LOCATED IN THE SHEN-YANG AIR DISTRICT OF NORTHEAST PEOPLE'S REPUBLIC OF CHINA, WILL SUPPORT FIGHTER/BOMBER OPERATIONS. CONSTRUCTION ACTIVITY WAS FIRST OBSERVED IN [REDACTED]) 29 AIRCRAFT WERE PRESENT. FEATURES DESCRIBED IN THIS REPORT INCLUDE THE 2,207M X 47M CONCRETE RUNWAY, A 12 METER-WIDE PARALLEL TAXIWAY, THREE AIRCRAFT PARKING APRONS, FIVE HOUSING SUPPORT AREAS, A POL STORAGE AREA, AN OPERATIONS SUPPORT AREA, A MAINTENANCE SUPPORT AREA, AND AN UNDERGROUND STORAGE FACILITY (UGF) WITH A SEVEN METER-WIDE CONCRETE DISPERSAL TAXIWAY LEADING TO THE TWO UGF ENTRANCES. THE NORTH ENTRANCE IS 12 METERS WIDE AND THE SOUTH ENTRANCE IS 12 METERS WIDE. INFORMATION IS PRESENTED IN GRAPHIC, TEXTUAL, AND TABULAR FORM. IT INCLUDES A MAP, TEN ANNOTATED PHOTOGRAPHS, EIGHT TABLES, A CHRONOLOGY, AND REFERENCE DATA. A NATIONAL BASIC REFERENCE GRAPHIC (NBRG) IS INCLUDED.

25X1
25X1
25X1
25X1

[REDACTED]

25X1

1017
TOP SECRET CHESS RUFF [REDACTED]

[REDACTED]

25X1
25X1

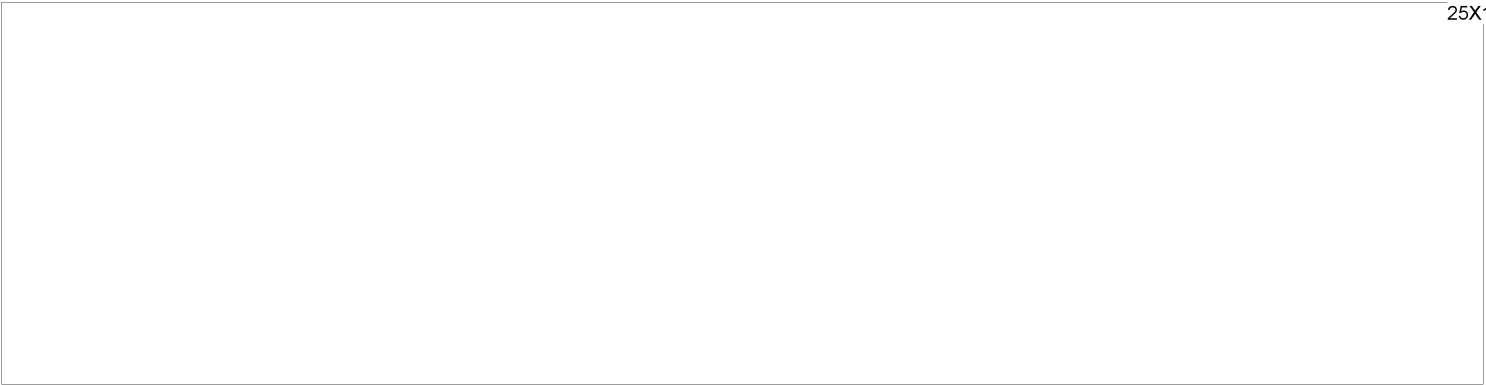
Page Denied



TOP SECRET CHESS RUFF



25X1



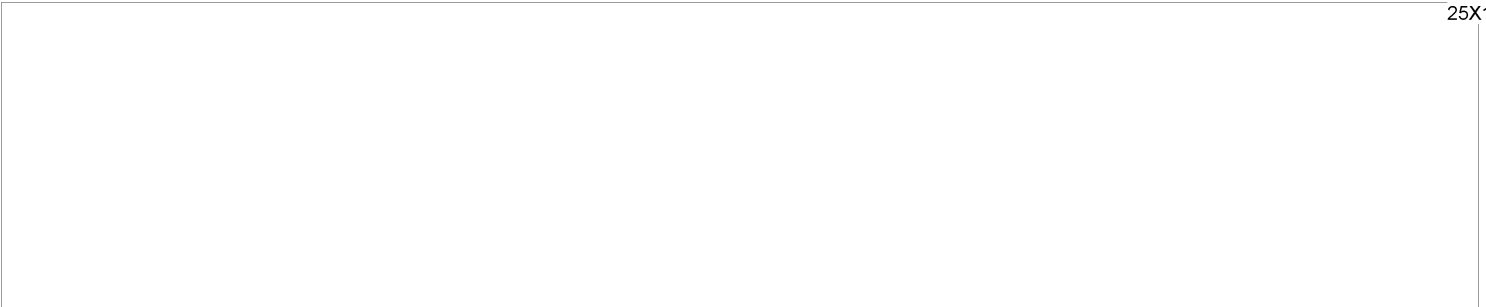
25X1

KEREN OFFENSIVE ASMARA/KEREN ROAD MIL ACT ET 154600N 0382700E
 WAC NO : BE/OBJ NO: NPIC NO : -
 IDHS CODE: EPF CAT : 35 COMIREX NO:

25X1

ETHIOPIAN FORCES ADVANCING NORTHWEST ALONG THE ROAD FROM ASMARA TOWARD KEREN IN ERITREA PROVINCE WERE
 OBSERVED ON IMAGERY OF THESE FORCES INCLUDED AT LEAST TWO TANK BATTALIONS, EIGHT
 ARTILLERY BATTALIONS, AND 400 TRUCKS/VEHICLES.

25X1



25X1

TOP SECRET CHESS RUFF



25X1
25X1

Page Denied

Next 2 Page(s) In Document Denied

TOP SECRET CHESS RUFF

25X1

NPIC PIR PIR046-78 NOV 78 [] SEC CLASS: 25B MSN: 0004P ACCN: 50858225X1

BUCURESTI AIRCRAFT ENGINE PLANT RO 442556N 0260002E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 15-J
IDHS CODE: [] EPF CAT : 05G COMIREX NO:

25X1

THIS REPORT PROVIDES AN INITIAL BASIC DESCRIPTION OF BUCHARESTI AIRCRAFT ENGINE PLANT, THE ONLY KNOWN AIRCRAFT ENGINE PLANT IN ROMANIA. A LOCATION MAP, AN ANNOTATED PHOTOGRAPH, AND A TABLE OF MENSURAL DATA ARE ALSO INCLUDED IN THIS REPORT.

NPIC SR SR083-78 NOV 78 [] SEC CLASS: 14D MSN: 0004P ACCN: 50858225X1

MILITARY, CHINA-VIETNAM BORDER ACTIVITY CH
WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 35 COMIREX NO:
MILITARY, VIETNAM-CHINA BORDER ACTIVITY VM
WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 35 COMIREX NO:

THIS REPORT PROVIDES AN ANALYSIS OF ACTIVITY OBSERVED ALONG THE SINO-VIETNAMESE BORDER BASED ON IMAGERY COVERING THE PERIOD FROM JULY THROUGH OCTOBER 1978. NO TROOP CONCENTRATIONS OR MILITARY EQUIPMENT, EXCEPT ANTI-AIRCRAFT ARTILLERY (AAA), HAVE BEEN OBSERVED IN OR NEAR THE BORDER AREA. THE PEOPLE'S REPUBLIC OF CHINA'S (PRC) AIR, ARMOR, AND FIELD ARTILLERY UNITS NEAREST THE AREA OF CONCERN SEEMED TO HAVE HAD NO SIGNIFICANT INCREASE IN ACTIVITY.

25X1

1023
TOP SECRET CHESS RUFF

25X1
25X1

Page Denied

Declassified in Part - Sanitized Copy Approved for Release 2014/03/07 : CIA-RDP80T00913A000200030001-4

[Redacted]

TOP SECRET CHESS RUFF

[Redacted]

[Redacted]

25X1

[Large Redacted Area]

25X1

DIA BIIR RDA11-0008-78 NOV 78 [Redacted] SEC CLASS: 14D MSN: [Redacted] 0010P

ACCN: S085R28 25X1

LOCHANG EXPLOSIVES PLANT CHANGCHIHHSU CH 250438N 1132510E
WAC NO : [Redacted] BE/OBJ NO: [Redacted] NPIC NO : -

25X1

1025
TOP SECRET CHESS RUFF

[Redacted]

[Redacted]

25X1
25X1

Declassified in Part - Sanitized Copy Approved for Release 2014/03/07 : CIA-RDP80T00913A000200030001-4

TOP SECRET CHESS RUFF

25X1

IDHS CODE: [] EPF CAT : 356 COMIREX NO:

25X1

THIS REPORT IS A DETAILED, IMAGERY-DERIVED ANALYSIS OF LO CHANG EXPLOSIVES PLANT CHANG CHI HSU, LOCATED 5.0 NM SOUTHEAST OF LO CHANG IN KWANGTUNG PROVINCE, SOUTHEASTERN PEOPLE'S REPUBLIC OF CHINA (PRC). THE ROAD AND RAIL SERVED PLANT, WHICH IS FAR FROM BEING FULLY OPERATIONAL, WILL PROBABLY PRODUCE AMMONIA AND NITRIC ACID IN ADDITION TO TRINITROTOLUENE (TNT). IT OCCUPIES 180 HECTARES AND CURRENTLY INCLUDES 119 BUILDINGS WITH 35,049 SQUARE METERS OF ROOF COVER. A TOTAL OF 52 BUILDINGS WITH 12,810 SQUARE METERS OF ROOF COVER COMPRISE THE AREAS ASSOCIATED WITH TNT PRODUCTION, PROBABLE AMMONIA AND NITRIC ACID PRODUCTION, AND CHEMICAL/ACID PROCESSING.

THE INFORMATION IS PRESENTED IN GRAPHIC, TEXTUAL, AND TABULAR FORM. IT INCLUDES A MAP, FIVE ANNOTATED PHOTOGRAPHS, AND FIVE TABLES. A REFERENCE DATA LIST FURNISHES IMAGERY AND MAP SOURCES. A NATIONAL BASIC REFERENCE GRAPHIC (NBRG) IS INCLUDED.

INSIGNIFICANT BUILDINGS SUCH AS LATRINES, ENVIRONMENTAL COVERS, UTILITY BUILDINGS AND CONSTRUCTION SUPPORT BUILDINGS HAVE BEEN OMITTED FROM THE GRAPHICS AND TABLES.

NPIC BIIR RCA09-0042-78 DEC 78 [] SEC CLASS: 25B MSN: [] 0004P ACCN: S085A29

25X1

LENINGRAD AIRCRAFT ENGINE R+D/TEST FACILITY UR 600247N 0301425E

WAC NO : [] BE/OBJ NO: [] NPIC NO : - 42-24
IDHS CODE: [] EPF CAT : 056 COMIREX NO: []

25X1

25X1

THIS REPORT DISCUSSES ACTIVITY OBSERVED AT THE LENINGRAD AIRCRAFT ENGINE RESEARCH AND DEVELOPMENT AND TEST FACILITY IN THE USSR FROM [] IT UPDATES A PREVIOUS NPIC REPORT, WHICH SUBSTANTIALLY SATISFIES THE BASIC REPORTING REQUIREMENTS FOR THIS TARGET. THE LENINGRAD FACILITY IS INVOLVED IN THE TESTING OF STRAIGHT-WING AND ROTARY-WING AIRCRAFT ENGINES AND COMPONENTS, INCLUDING THE GLUSHENKOV GTD-3F ENGINE FOR THE KA-25 (HORMONE) HELICOPTER. A MODERATE AMOUNT OF CONSTRUCTION AND SIGNIFICANT MODIFICATION TO ONE OF THE ENGINE TEST CELLS OCCURRED DURING THIS REPORTING PERIOD. THE CONSTRUCTION, MODIFICATION, AND TESTING ACTIVITY AT THE FACILITY IS DISCUSSED IN THIS REPORT UNDER BASIC DESCRIPTION.

25X1

25X1

THIS REPORT INCLUDES A LOCATION MAP, TWO ANNOTATED PHOTOGRAPHS, AND A TABLE OF MENSURAL AND CHRONOLOGICAL DATA.

ARMY PIM PIM067-78 20 NOV 78 [] SEC CLASS: 14E MSN: [] 0004P ACCN: S085A30

25X1

YONI SAN SIGINT FACILITY KN 375030N 1263817E

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

25X1

THIS PHOTO INTERPRETATION MEMORANDUM (PIM) CONTAINS A DESCRIPTION OF THE YONI-SAN SIGINT FACILITY, NORTH KOREA. INCLUDED IN THIS REPORT IS AN ANNOTATED PHOTOGRAPH OF THE FACILITY'S ANTENNA ALONG WITH DETAILED MENSURATION OF THE ANTENNA AND ITS ORIENTATION. INFORMATION IS CURRENT AS OF MAY 1978.

25X1

TOP SECRET CHESS RUFF

25X1

25X1

[Redacted]

TOP SECRET CHESS RUFF

[Redacted]

[Redacted]

25X1

TOSONG NI SIGINT FACILITY

WAC NO : [Redacted]
IDHS CODE: [Redacted]

BE/OBJ NO: [Redacted]
EPF CAT : 25

KN 375654N 1262855E
NPIC NO : -
COMIREX NO:

25X1

THIS PHOTO INTERPRETATION MEMORANDUM (PIM) CONTAINS A DESCRIPTION OF THE TOSONG-NI SIGINT FACILITY, NORTH KOREA. INCLUDED IN THIS REPORT ARE TWO ANNOTATED PHOTOGRAPHS OF THE FACILITY. THE PHOTOGRAPHS DISPLAY THE FACILITY'S ANTENNAS, ALONG WITH DETAILED MENSURATION OF THE ANTENNAS AND THEIR ORIENTATIONS. INFORMATION IS CURRENT AS OF 11 OCTOBER 78.

ARMY PIM PIM072-78 27 NOV 78 [Redacted]

SEC CLASS: 14E MSN: 0004P

ACCN: S0858325X1

SONGAK SAN SIGINT FACILITY

WAC NO : [Redacted]
IDHS CODE: [Redacted]

BE/OBJ NO: [Redacted]
EPF CAT : 25

KN 375943N 1263153E
NPIC NO : -
COMIREX NO:

25X1

THIS PHOTO INTERPRETATION MEMORANDUM (PIM) CONTAINS A DESCRIPTION OF THE SONGAK-SAN SIGINT FACILITY, NORTH KOREA. INCLUDED IN THIS REPORT IS AN ANNOTATED PHOTOGRAPH OF THE FACILITY. THE PHOTOGRAPH DISPLAYS THE FACILITY'S ANTENNA, ALONG WITH DETAILED MENSURATION OF THE ANTENNA AND ITS ORIENTATION. INFORMATION IS CURRENT AS OF 5 MAY 1978.

ARMY PIM PIM073-78 16 NOV 78 [Redacted]

SEC CLASS: 14E MSN: 0004P

ACCN: S0858325X1

KAESONG AM RADIO TRANSMITTER STATION 1

WAC NO : [Redacted]
IDHS CODE: [Redacted]

BE/OBJ NO: [Redacted]
EPF CAT : 25B

KN 375903N 1263416E
NPIC NO : - 35-A
COMIREX NO: [Redacted]

25X1
25X1

THIS PHOTO INTERPRETATION MEMORANDUM (PIM) CONTAINS A DESCRIPTION OF THE KAESONG RADIO BC STATION NORTH KOREA. INCLUDED IN THIS REPORT IS AN ANNOTATED PHOTOGRAPH OF THE FACILITY. THE PHOTOGRAPH DISPLAYS THE FACILITY'S ANTENNAS, ALONG WITH DETAILED MENSURATION OF THE ANTENNAS AND THEIR ORIENTATIONS. INFORMATION IS CURRENT AS OF 5 MAY 1978.

[Large Redacted Area]

25X1

TOP SECRET CHESS RUFF

[Redacted]

[Redacted]

25X1
25X1

[Redacted]

TOP SECRET CHESS RUFF

[Redacted]

[Redacted]

25X1
25X1

ARMY PIM PIM075-78 20 NOV 78 [Redacted] SEC CLASS: 14E MSN: [Redacted] 0004P ACCN: S085835 25X1

HWAJANG SAN ELINT FACILITY PROB

WAC NO : [Redacted] BE/OBJ NO: [Redacted] KN 380245N 1263900E
IDHS CODE: [Redacted] EPF CAT : 25A NPIC NO : - 116-B1
COMIREX NO: [Redacted]

25X1
25X1

THIS PHOTO INTERPRETATION MEMORANDUM (PIM) CONTAINS A DESCRIPTION OF THE HWAJANG-SAN PROB ELINT FAC, NORTH KOREA. INCLUDED IN THIS REPORT IS AN ANNOTATED PHOTOGRAPH OF THE FACILITY'S ANTENNA ALONG WITH DETAILED MENSURATION OF THE ANTENNA AND ITS ORIENTATION. INFORMATION IS CURRENT AS OF MAY 1978.

ARMY PIM PIM076-78 21 NOV 78 [Redacted] SEC CLASS: 14E MSN: [Redacted] 0004P ACCN: S085836 25X1

TOKSAN DONG ELINT FACILITY PROB

WAC NO : [Redacted] BE/OBJ NO: [Redacted] KN 380925N 1263820E
IDHS CODE: [Redacted] EPF CAT : 25A NPIC NO : - 116-C
COMIREX NO: [Redacted]

25X1
25X1

THIS PHOTO INTERPRETATION MEMORANDUM (PIM) CONTAINS A DESCRIPTION OF TOKSAN-DONG PROB ELINT FACILITY, NORTH KOREA. INCLUDED IN THIS REPORT IS AN ANNOTATED PHOTOGRAPH OF THE FACILITY. THE PHOTOGRAPH DISPLAYS THE FACILITY'S ANTENNA, ALONG WITH DETAILED MENSURATION OF THE ANTENNA AND ITS ORIENTATION. INFORMATION IS CURRENT AS OF 5 MAY 1978.

[Large Redacted Area]

25X1

1028
TOP SECRET CHESS RUFF

[Redacted]

[Redacted]

25X1
25X1

TOP SECRET CHESS RUFF

25X1

HAEJU RADIO RELAY STATION

WAC NO :
IDHS CODE:

BE/OBJ NO:
EPF CAT : 25D

KN 380350N 1254420E
NPIC NO : - 19-I2
COMIREX NO:

25X1
25X1

THIS PHOTOGRAPHIC INTERPRETATION MEMORANDUM (PIM) CONTAINS A DESCRIPTION OF THE HAEJU RADREL STATION NORTH KOREA. INCLUDED IN THIS REPORT IS AN ANNOTATED PHOTOGRAPH OF THE FACILITY'S ANTENNAS ALONG WITH DETAILED MENSURATION OF THE ANTENNA AND ITS ORIENTATIONS. INFORMATION IS CURRENT AS OF SEPTEMBER 1978.

AF PAR 692-78 07 NOV 78 SEC CLASS: 13 MSN: 0017P ACCN: S0858425X1

TYURATAM MTC ICBM COMPLEX G FACILITY U/I

WAC NO :
IDHS CODE:

BE/OBJ NO:
EPF CAT : 40A

UR 460340N 0625130E
NPIC NO : - 6-R4
COMIREX NO:

25X1
25X1

THIS UPDATE ON TYURATAM MTC LAUNCH COMPLEX G U/I FACILITY INCLUDES INFORMATION ON NEW CONSTRUCTION, BUILDING EXPANSION, CHANGES IN BOUNDARIES, AND ACTIVITIES OF INTEREST. THIS REPORT AND DRAWING 78D6542 SUPERSEDES PAR 67-681 AND DRAWING 67C6581.*

AF PAR 705-78 06 NOV 78 SEC CLASS: 13 MSN: 0003P ACCN: S0858425X1

CHIZHA GUIDED MISSILE TRACKING FACILITY POSS

WAC NO :
IDHS CODE:

BE/OBJ NO:
EPF CAT : 25C

UR 670420N 0441640E
NPIC NO : - 31
COMIREX NO:

25X1
25X1

THIS UPDATE ON CHIZHA POSSIBLE GM TRACKING FACILITY SUPERSEDES PARS 77-672 AND 76-623.*

AF ENDR D6523-6-71 25 SEP 78 SEC CLASS: 13 MSN: 0001P ACCN: S0858425X1

KUYBYSHEV EXPERIMENTAL A/C + ROCKET ENG PLANT

WAC NO :
IDHS CODE:

BE/OBJ NO:
EPF CAT : 05G

UR 532053N 0501231E
NPIC NO : - 17-A
COMIREX NO:

25X1
25X1

KUYBYSHEV EXPERIMENTAL A/C + ROCKET ENG PLANT

WAC NO :
IDHS CODE:

BE/OBJ NO:
EPF CAT : 40E

UR 532053N 0501231E
NPIC NO : - 17-A
COMIREX NO:

25X1
25X1

THIS DRAWING SUPPLEMENTS PARS 76-599 AND 78-678 AND SUPERSEDES DRAWING 70D4546/3.*

AF ENDR B4501-1-78 29 SEP 78 SEC CLASS: 13 MSN: 0001P ACCN: S0858425X1

PLESETSK MTC SRF ARMY COMMUNICATIONS CENTER

WAC NO :

BE/OBJ NO:

UR 625227N 0404137E
NPIC NO : - 27-T1

225X1

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

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

25X1

THIS DRAWING SUPPLEMENTS PARS 78-502 AND 78-680.*

AF PAR 680-78 03 NOV 78 [] SEC CLASS: 13 MSN: 0006P ACCN: S085A44 25X1

PLESETSK MTC LAUNCH CONTROL FACILITY A	UR 625810N 0413242E	
WAC NO : []	BE/OBJ NO: []	NPIC NO : - 27-K7
IDHS CODE: []	EPF CAT : 25C	COMIREX NO: []
PLESETSK MTC MOBILE ICBM FACILITY 2 ELCT	UR 625117N 0403429E	
WAC NO : []	BE/OBJ NO: []	NPIC NO : - 27-J2
IDHS CODE: []	EPF CAT : 25C	COMIREX NO: []
PLESETSK MTC MOBILE ICBM FACILITY 1 ELCT	UR 625858N 0404624E	
WAC NO : []	BE/OBJ NO: []	NPIC NO : - 27-K1
IDHS CODE: []	EPF CAT : 25C	COMIREX NO: []
PLESETSK MTC RADIO RELAY/TV/FM BDCST CENTER	UR 624311N 0401731E	
WAC NO : []	BE/OBJ NO: []	NPIC NO : - 27-M7
IDHS CODE: []	EPF CAT : 25C	COMIREX NO: []
PLESETSK MTC ICBM LCC 4 RADIO COMMO STATION	UR 625900N 0404626E	
WAC NO : []	BE/OBJ NO: []	NPIC NO : - 27-L1
IDHS CODE: []	EPF CAT : 25C	COMIREX NO: []
PLESETSK MTC SRF ARMY COMMUNICATIONS CENTER	UR 625227N 0404137E	
WAC NO : []	BE/OBJ NO: []	NPIC NO : - 27-T1
IDHS CODE: []	EPF CAT : 25C	COMIREX NO: []
PLESETSK MTC SRF ARMY/DIV TEST COMPLEX CP BKR	UR 624525N 0403118E	
WAC NO : []	BE/OBJ NO: []	NPIC NO : - 39-A
IDHS CODE: []	EPF CAT : 25C	COMIREX NO: []
PLESETSK MTC SRF ARMY HEADQUARTERS RDO XMTR 2	UR 623830N 0400820E	
WAC NO : []	BE/OBJ NO: []	NPIC NO : - 27-I1
IDHS CODE: []	EPF CAT : 25C	COMIREX NO: []
PLESETSK MTC SRF ARMY/RADIO TRANSMITTER HARD	UR 624521N 0402635E	
WAC NO : []	BE/OBJ NO: []	NPIC NO : - 27-M1
IDHS CODE: []	EPF CAT : 25C	COMIREX NO: []
PLESETSK MTC SRF ARMY/HEADQUARTERS RDO XMTR 1	UR 624532N 0402200E	
WAC NO : []	BE/OBJ NO: []	NPIC NO : - 27-M2
IDHS CODE: []	EPF CAT : 25C	COMIREX NO: []

THIS REPORT UPDATES PAR 78-502, DATED FEBRUARY 1978, ON THE COMMUNICATIONS FACILITIES AT PLESETSK MTC.*

AF PAR 699-78 06 NOV 78 [] SEC CLASS: 13 MSN: 0006P ACCN: S085A45 25X1

KAMCHATKA MISSILE INSTRUMENTATION SITE Z3	UR 572832N 1614751E	
WAC NO : []	BE/OBJ NO: []	NPIC NO : - 47-B4

25X1

1030

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

IDHS CODE:	[]	EPF CAT : 25C	COMIREX NO:	[]	25X1
KAMCHATKA MISSILE INSTRUMENTATION SITE Z2			UR 572322N 1614907E		25X1
WAC NO :	[]	BE/OBJ NO:	NPIC NO : -		25X1
IDHS CODE:	[]	EPF CAT : 25C	COMIREX NO:		25X1
KAMCHATKA MISSILE INSTRUMENTATION SITE T1			UR 570957N 1623416E		25X1
WAC NO :	[]	BE/OBJ NO:	NPIC NO : - 60-A		25X1
IDHS CODE:	[]	EPF CAT : 25C	COMIREX NO:	[]	25X1
KAMCHATKA MISSILE INSTRUMENTATION SITE N6			UR 571019N 1621641E		25X1
WAC NO :	[]	BE/OBJ NO:	NPIC NO : - 59-A		25X1
IDHS CODE:	[]	EPF CAT : 25C	COMIREX NO:	[]	25X1
KAMCHATKA MISSILE INSTRUMENTATION SITE N5			UR 571125N 1615304E		25X1
WAC NO :	[]	BE/OBJ NO:	NPIC NO : - 55-A1		25X1
IDHS CODE:	[]	EPF CAT : 25C	COMIREX NO:	[]	25X1
KAMCHATKA MISSILE INSTRUMENTATION SITE M3			UR 565007N 1614247E		25X1
WAC NO :	[]	BE/OBJ NO:	NPIC NO : - 64-A		25X1
IDHS CODE:	[]	EPF CAT : 25C	COMIREX NO:	[]	25X1
KAMCHATKA MISSILE INSTRUMENTATION SITE D4			UR 573022N 1621911E		25X1
WAC NO :	[]	BE/OBJ NO:	NPIC NO : -		25X1
IDHS CODE:	[]	EPF CAT : 25C	COMIREX NO:	[]	25X1
KAMCHATKA MISSILE INSTRUMENTATION SITE A1			UR 572841N 1610926E		25X1
WAC NO :	[]	BE/OBJ NO:	NPIC NO : - 48-C		25X1
IDHS CODE:	[]	EPF CAT : 25C	COMIREX NO:	[]	25X1

THIS REPORT GIVES AN UPDATED PHOTO ANALYSIS OF EIGHT SELECTED INSTRUMENTATION SITES IN THE KAMCHATKA IMPACT AREA.**

AF ENDR D4546-3-70 25 SEP 78 [] SEC CLASS: 13 MSN: 0001P ACCN: S085R4E 25X1

KUYBYSHEV EXPERIMENTAL A/C + ROCKET ENG PLANT			UR 532053N 0501231E		25X1
WAC NO :	[]	BE/OBJ NO:	NPIC NO : - 17-A		25X1
IDHS CODE:	[]	EPF CAT : 05G	COMIREX NO:	[]	25X1
KUYBYSHEV EXPERIMENTAL A/C + ROCKET ENG PLANT			UR 532053N 0501231E		25X1
WAC NO :	[]	BE/OBJ NO:	NPIC NO : - 17-A		25X1
IDHS CODE:	[]	EPF CAT : 40E	COMIREX NO:	[]	25X1

THIS DRAWING SUPPLEMENTS PARS 76-599 AND 78-678.*

25X1

1031
TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

THIS REPORT AND DRAWING 78C6541 PROVIDE A PHOTO ANALYSIS OF SARY SHAGAN MISSILE RELATED FACILITY NORTH. IT ALSO INCLUDES A DESCRIPTION OF THE ACTIVITY IN THE MISSILE HANDLING/CHECKOUT AREA AND A CHRONOLOGY OF PHOTOGRAPHIC COVERAGE WITH QUALITY.*

AF PAR 701-78 27 OCT 78 [] SEC CLASS: 13 MSN: 0003P ACCN: S085A48 25X1

BOLSHOY LUMBOVSKIY AW RADAR FACILITY UR 674400N 0403200E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 56-A 25X1
IUHS CODE: [] EPF CAT : 25A COMIREX NO: [] 25X1
BOLSHOY GORODETSKIY TRACKING FACILITY UR 674357N 0405340E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 33 25X1
IUHS CODE: [] EPF CAT : 25C COMIREX NO: [] 25X1

THIS REPORT IS A PHOTO ANALYSIS UPDATE OF THE BOLSHOY LUMBOVSKIY AW RADAR FACILITY, WHICH INCLUDES BOLSHOY GORODETSKIY TRACKING FACILITY. IT SUPERSEDES PAR 76-669, OCTOBER 1976, AND PAR 77-665, SEPTEMBER 1977.*

AF ENDR A4536-2-70 29 SEP 78 [] SEC CLASS: 13 MSN: 0001P ACCN: S085A49 25X1

PLESETSK MTC SRF ARMY RADIO TRANSMITTER HARD UR 624521N 0402635E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 27-M1 25X1
IUHS CODE: [] EPF CAT : 25C COMIREX NO: []

THIS DRAWING SUPERSEDES DRAWING 69A4549 AND SUPPLEMENTS PARS 70-655, 73-512 AND 78-680.*

AF ENDR A4535-2-70 29 SEP 78 [] SEC CLASS: 13 MSN: 0001P ACCN: S085A50 25X1

PLESETSK MTC SRF HEADQUARTERS RADIO XMTR 1 UR 624532N 0402200E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 27-M2 25X1
IUHS CODE: [] EPF CAT : 25C COMIREX NO: [] 25X1

THIS DRAWING SUPERSEDES DRAWING 69A4548 AND SUPPLEMENTS PARS 70-655, 73-512 AND 78-680.*

AF ENDR A4550-2-69 29 SEP 78 [] SEC CLASS: 13 MSN: 0001P ACCN: S085A51 25X1

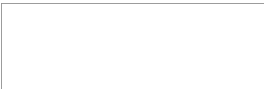
PLESETSK MTC ICBM LCC 4 RADIO COMMO STATION UR 625900N 0404626E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 27-L1 25X1
IUHS CODE: [] EPF CAT : 25C COMIREX NO: []

THIS DRAWING SUPPLEMENTS PARS 69-712, 73-512 AND 78-680.*

25X1

1032
TOP SECRET CHESS RUFF

25X1
25X1



TOP SECRET CHESS RUFF



25X1
25X1

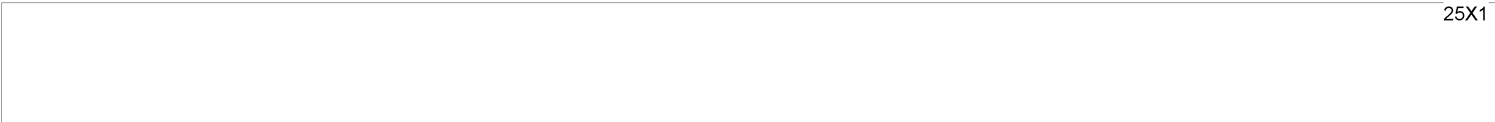
MISSILES, SS-18 SHOCK ISOLATION SYSTEM

WAC NO :
IDHS CODE:

BE/OBJ NO:
EPF CAT : 40A

UR
NPIC NO : -
COMIREX NO:

THIS DRAWING SUPPLEMENTS PAR 78-537 AND SUPERSEDES DRAWING 76B1508/1.*





25X1

AF ENUR D6545-6-71 03 OCT 78  SEC CLASS: 13 MSN: 0001P ACCN: S085A525X1

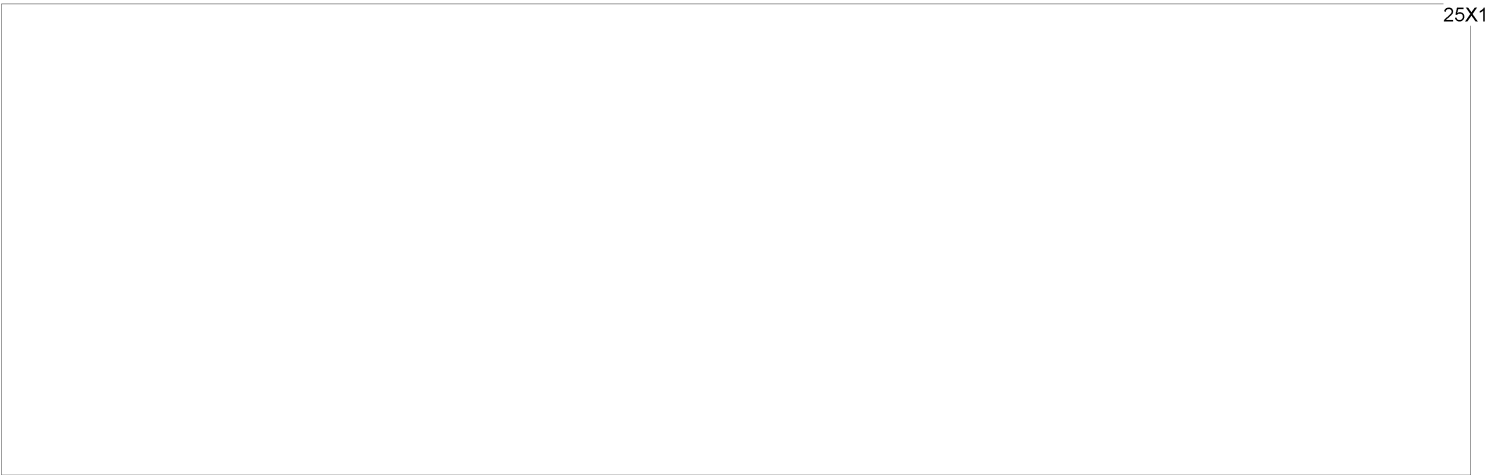
PERM AIRCRAFT ENGINE PLANT STALIN 19

WAC NO :
IDHS CODE:

BE/OBJ NO: 
EPF CAT : 056

UR 575848N 0561508E
NPIC NO : - 16-D
COMIREX NO: 

THIS DRAWING SUPPLEMENTS PARS 70-561, 71-653, 76-597, 77-715, AND 78-680.*



25X1

25X1
25X1

1033
TOP SECRET CHESS RUFF



25X1
25X1

TOP SECRET CHESS RUFF

25X1

25X1

AF PAR 702-78 25 OCT 78 [] SEC CLASS: 13 MSN: [] 0002P ACCN: S085P56

25X1

VOSPUSHKA COMMAND CONTROL RCVR FAC SW BUNKER UR 560128N 0392434E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 174
IDHS CODE: [] EPF CAT : 25D COMIREX NO: []
SMOLENSK COMMAND CONTROL FACILITY BUNKER U/I UR 543925N 0315745E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 77-F
IDHS CODE: [] EPF CAT : 25D COMIREX NO: []

25X1

25X1

25X1

25X1

THIS REPORT PROVIDES AZIMUTHS OF THE BURIED ANTENNAS AT SMOLENSK UI CC FAC/BNK AND VOSPUSHKA UI CC RCVR FAC SW/BNK. IT ALSO GIVES THE CONSTRUCTION STATUS OF THE FACILITIES. THIS REPORT IS REFERENCED TO PAR 77-624.*

AF PAR 710-78 06 NOV 78 [] SEC CLASS: 13 MSN: [] 0003P ACCN: S085A57

25X1

AIRCRAFT, FOXBAT MIG-25 EXPORT UR
WAC NO : [] BE/OBJ NO: [] NPIC NO : -
IDHS CODE: [] EPF CAT : 05D COMIREX NO: []
OKBA IBN NAFA AIRFIELD FOXBAT MIG-25 IMPORTS LY 325346N 0131632E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 5
IDHS CODE: [] EPF CAT : 05A COMIREX NO: []
GORKIY/SORMOVO AIRFIELD FOXBAT MIG-25 EXPORT UR 561905N 0434740E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 13-F
IDHS CODE: [] EPF CAT : 05A COMIREX NO: []

25X1

25X1

25X1

25X1

25X1

[] OF GORKIY/SORMOVO AIRFIELD AND [] IMAGERY OF OKBA IBN NAFA AIRFIELD WAS ANALYZED TO DETERMINE THE FOXBAT FUSELAGE AND WING PALLET DIMENSIONS; WHETHER THE FOXBAT AIRCRAFT IMAGED AT OKBA IBN NAFA AIRFIELD ARE A MODELS AND IF ANY MODIFICATIONS HAVE BEEN MADE; AND WHETHER AA-6 (ACRID) MISSILE CRATES ARE PRESENT AT EITHER AIRFIELD.*

AF PAR 717-78 07 NOV 78 [] SEC CLASS: 13 MSN: [] 0008P ACCN: S085A58

25X1

1034

TOP SECRET CHESS RUFF

25X1

25X1

TOP SECRET CHESS RUFF

25X1

SEMIPALATINSK NWP6 RESEARCH FACILITY 2 UR 503040N 0775830E
WAC NO : BE/OBJ NO: NPIC NO : - 33-J2
IDHS CODE: EPF CAT : 55A COMIREX NO:

25X1
25X1

THIS REPORT COVERS ALL THE MODIFICATIONS AND OTHER ACTIVITY WHICH HAVE OCCURRED AT SEMIPALATINSK NWP6 RESEARCH FACILITY 2 SINCE 1966. PAR 75-646 SUPPLEMENTS THIS REPORT.*

AF PAR 678-78 19 OCT 78 SEC CLASS: 13 MSN: 0008P ACCN: S0858525X1

KUYBYSHEV EXPERIMENTAL A/C + ROCKET ENG PLANT UR 532053N 0501231E
WAC NO : BE/OBJ NO: NPIC NO : - 17-A
IDHS CODE: EPF CAT : 40E COMIREX NO:
KUYBYSHEV EXPERIMENTAL A/C + ROCKET ENG PLANT UR 532053N 0501231E
WAC NO : BE/OBJ NO: NPIC NO : - 17-A
IDHS CODE: EPF CAT : 05G COMIREX NO:

25X1
25X1
25X1
25X1

THIS REPORT, PAR 76-599, AND DRAWINGS 70D4546/3 AND 71D6523/6 GIVE AN UPDATED ANALYSIS OF KUYBYSHEV EXPERIMENTAL A/C + ROCKET ENGINE PLANT. THIS REPORT INCLUDES A TABLE WHICH LISTS PHOTOGRAPHIC MISSIONS, WITH DATE AND QUALITY, AND REFLECTS FACILITY GROWTH IN TERMS OF SQUARE METERS OF ROOF COVERAGE AND FLOORSPACE. THIS REPORT SUPERSEDES PAR 77-639.*

AF ENDR C1516-3-72 27 OCT 78 SEC CLASS: 13 MSN: 0001P ACCN: S0858625X1

TIENWEI MTC SSM TEST SITE LAUNCHER/LAUNCH PAD CH 255513N 1024919E
WAC NO : BE/OBJ NO: NPIC NO : - 14-C1
IDHS CODE: EPF CAT : 40E COMIREX NO:

25X1
25X1

THIS DRAWING SUPPLEMENTS PARS 72-575, 72-586, 74-511, 76-507 AND 78-703.*

AF ENDR B6501-3-73 27 OCT 78 SEC CLASS: 13 MSN: 0001P ACCN: S0858625X1

TIENWEI MTC SSM ACTIVITY POSS CH 255420N 1025430E
WAC NO : BE/OBJ NO: NPIC NO : - 14-F
IDHS CODE: EPF CAT : 40E COMIREX NO:

25X1
25X1

THIS DRAWING SUPPLEMENTS PARS 73-505, 74-511, 76-507 AND 78-703.*

AF PAR 703-78 02 NOV 78 SEC CLASS: 13 MSN: 0008P ACCN: S0858625X1

TIENWEI MTC SSM SUPPORT AREA 1 CH 255420N 1025430E
WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 40E COMIREX NO:

25X1

1035
TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

TIENWEI MTC SSM	ACTIVITY POSS	CH	255420N 1025430E	
WAC NO :	[]	BE/OBJ NO:	[]	NPIC NO : - 14-F
IDHS CODE:	[]	EPF CAT :	40E	COMIREX NO: []
TIENWEI MTC SSM	RTP	CH	250529N 1025231E	
WAC NO :	[]	BE/OBJ NO:	[]	NPIC NO : - 14-B
IDHS CODE:	[]	EPF CAT :	40E	COMIREX NO: []
TIENWEI MTC SSM	SUPPORT BASE MAIN	CH	253012N 1025100E	
WAC NO :	[]	BE/OBJ NO:	[]	NPIC NO : - 14-A
IDHS CODE:	[]	EPF CAT :	40E	COMIREX NO: []
TIENWEI MTC SSM	SUPPORT AREA 3	CH	255404N 1025000E	
WAC NO :	[]	BE/OBJ NO:	[]	NPIC NO : -
IDHS CODE:	[]	EPF CAT :	40E	COMIREX NO:
TIENWEI MTC SSM	SUPPORT AREA 2	CH	255521N 1024943E	
WAC NO :	[]	BE/OBJ NO:	[]	NPIC NO : -
IDHS CODE:	[]	EPF CAT :	40E	COMIREX NO:
TIENWEI MTC SSM	SUPPORT FACILITY	CH	255519N 1024949E	
WAC NO :	[]	BE/OBJ NO:	[]	NPIC NO : - 14-E1
IDHS CODE:	[]	EPF CAT :	40E	COMIREX NO: []
TIENWEI MTC SSM	TEST SITE	CH	255513N 1024919E	
WAC NO :	[]	BE/OBJ NO:	[]	NPIC NO : - 14-C1
IDHS CODE:	[]	EPF CAT :	40E	COMIREX NO: []

25X1
25X1
25X1
25X1
25X1
25X1
25X1
25X1
25X1
25X1
25X1
25X1
25X1
25X1
25X1
25X1
25X1

THIS REPORT GIVES AN UPDATED PHOTO ANALYSIS OF AREAS ASSOCIATED WITH TIEN-WEI MISSILE TEST COMPLEX. THIS REPORT SUPPLEMENTS PARS 76-507, 76-585, DRAWING 73D6501/3, AND DRAWING 72C1516/3.*

AF PAR 713-78 06 NOV 78 [] SEC CLASS: 13 MSN: 0004P ACCN: S085A63 25X1

AIRCRAFT, FOXBAT A/B/D	MIG-25 ARMAMENT	UR	
WAC NO :	[]	BE/OBJ NO:	[]
IDHS CODE:	[]	EPF CAT :	05D
AKHTUBINSK/VLADIMIROVKA	AIRFIELD FOXBAT A/B/D	UR	481838N 0461424E
WAC NO :	[]	BE/OBJ NO:	[]
IDHS CODE:	[]	EPF CAT :	05A
		NPIC NO :	- 18-B1
		COMIREX NO:	[]

25X1
25X1

DRAWINGS 78B1501 AND 78C4514 SUPPLEMENT THIS REPORT ON AKHTUBINSK/VLADIMIROVKA AIRFIELD. THE REPORT ANALYZES THE MISSILES OBSERVED ON AND NEAR THE FOXBAT B/D AT THIS INSTALLATION.*

25X1

1036
TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

IDHS CODE:	EPF CAT : 40B	COMIREX NO:
MISSILES, SS-20 ASSOCIATED EQUIP CF IDENT	BE/OBJ NO:	UR
WAC NO :	EPF CAT : 10I	NPIC NO : -
IDHS CODE:	EPF CAT : 40B	COMIREX NO:
DROVYANAYA MOBILE IRBM BASE 2 SS-20 ASSOC CF	BE/OBJ NO:	UR 512021N 1130114E
WAC NO :	EPF CAT : 40B	NPIC NO : - 53-N
IDHS CODE:	EPF CAT : 10I	COMIREX NO:
DROVYANAYA MOBILE IRBM BASE 2 SS-20 ASSOC CF	BE/OBJ NO:	UR 512021N 1130114E
WAC NO :	EPF CAT : 10I	NPIC NO : - 53-N
IDHS CODE:	EPF CAT : 40B	COMIREX NO:
DROVYANAYA MOBILE IRBM BASE 1 SS-20 ASSOC CF	BE/OBJ NO:	UR 512718N 1130402E
WAC NO :	EPF CAT : 40B	NPIC NO : - 53-M1
IDHS CODE:	EPF CAT : 10I	COMIREX NO:
DROVYANAYA MOBILE IRBM BASE 1 SS-20 ASSOC CF	BE/OBJ NO:	UR 512718N 1130402E
WAC NO :	EPF CAT : 10I	NPIC NO : - 53-M1
IDHS CODE:	EPF CAT :	COMIREX NO:

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

SECTIONS OF WHITE-TONED CAMOUFLAGE CANVAS/NETTING WERE NEWLY IDENTIFIED AT DROVYANAYA MOBILE IRBM BASES 1 AND 2, USSR, ON [REDACTED] THE CANVAS/NETTING WAS NOT PRESENT WHEN THE BASES WERE OBSERVED ON PREVIOUS COVERAGE OF [REDACTED]

25X1

25X1

AF ENDR C6541-78 06 OCT 78 [REDACTED] SEC CLASS: 13 MSN: 0001P ACCN: S085A6 25X1

SARY SHAGAN MTC MISSILE RELATED FACIL NORTH	UR	455226N 0733052E
WAC NO : 0245	BE/OBJ NO:	NPIC NO : -
IDHS CODE:	EPF CAT : 40E	COMIREX NO:

25X1

THIS DRAWING SUPPLEMENTS PAR 78-687.*

AF PAR 690-78 25 OCT 78 [REDACTED] SEC CLASS: 13 MSN: 0003P ACCN: S085A6 25X1

PERM AIRCRAFT ENGINE PLANT STALIN 19	UR	575848N 0561508E
WAC NO :	BE/OBJ NO:	NPIC NO : - 16-D
IDHS CODE:	EPF CAT : 05G	COMIREX NO:

25X1

25X1

THIS REPORT IS AN UPDATED PHOTO ANALYSIS OF PERM AIRCRAFT ENGINE PLANT STALIN 19 AND THE SOLOVYEV DESIGN BUREAU (OKB) LOCATED WITHIN THE SAME AREA. THIS REPORT COMPLEMENTS, BUT DOES NOT SUPERSEDE PARS 76-597 AND 77-715 AND IS KEYED TO DRAWINGS 70B4507/2, 70B4508/2 AND 71D6545/6.*

AF ENDR D6542-78 13 OCT 78 [REDACTED] SEC CLASS: 13 MSN: 0001P ACCN: S085A6 25X1

TYURATAM MTC COMPLEX G FACILITY U/I	UR	460340N 0625130E
-------------------------------------	----	------------------

1037
TOP SECRET CHESS RUFF

25X1

25X1

TOP SECRET CHESS RUFF

25X1
25X1

WAC NO : [] BE/OBJ NO: [] NPIC NO : - 6-R4
IDHS CODE: [] EPF CAT : 40E COMIREX NO: []

25X1
25X1

THIS DRAWING SUPPLEMENTS PAR 78-692.*

NPIC IIR IIR093-78 08 DEC 78 [] SEC CLASS: 14D MSN: [] 0003P ACCN: S085869 25X1

TACHAITAN SSM SITE 2 U/C IDENTIFICATION

CH 373550N 0954245E

WAC NO : [] BE/OBJ NO: [] NPIC NO : - 13-B
IDHS CODE: [] EPF CAT : 40 COMIREX NO: []

25X1
25X1

A NEW SSM LAUNCH SITE IS UNDER CONSTRUCTION APPROXIMATELY 27 NAUTICAL MILES (NM) SOUTHEAST OF TA-CHAI-TAN IN TSING-HAI PROVINCE, PEOPLE'S REPUBLIC OF CHINA (PRC). DESIGNATED TA-CHAI-TAN SSM LAUNCH SITE 2, IT IS ONE OF TWO NEWLY IDENTIFIED LAUNCH SITES UNDER CONSTRUCTION IN A NEW DEPLOYMENT AREA APPROXIMATELY 50 NM WEST OF TE-LING-HA POSSIBLE SSM LAUNCH SITE 1. THE OTHER NEW LAUNCH SITE, TA-CHAI-TAN SSM LAUNCH SITE 1, IS 19.3 NM NORTHWEST OF LAUNCH SITE 2, AT 37-46-50N 095-27-45E.

NPIC IIR IIR092-78 08 DEC 78 [] SEC CLASS: 14D MSN: [] 0003P ACCN: S085870 25X125X1

TACHAITAN SSM SITE 1 U/C IDENTIFICATION

CH 374650N 0952745E

WAC NO : [] BE/OBJ NO: [] NPIC NO : - 13-A
IDHS CODE: [] EPF CAT : 40 COMIREX NO: []

25X1
25X1

A NEW SSM LAUNCH SITE IS UNDER CONSTRUCTION APPROXIMATELY 7.5 NAUTICAL MILES (NM) SOUTHEAST OF TA-CHAI-TAN IN TSING-HAI PROVINCE, PEOPLES'S REPUBLIC OF CHINA (PRC). DESIGNATED TA-CHAI-TAN SSM LAUNCH SITE 1, IT IS ONE OF TWO NEWLY IDENTIFIED LAUNCH SITES UNDER CONSTRUCTION IN A NEW DEPLOYMENT AREA APPROXIMATELY 50 NM WEST OF TE-LING-HA POSSIBLE SSM LAUNCH SITE 1. THE OTHER NEW LAUNCH SITE, TA-CHAI-TAN SSM LAUNCH SITE 2, IS 19 NM SOUTHEAST OF LAUNCH SITE 1 AT 37-35-50N 095-42-45E.

25X1

NPIC B1IR KCA09-0029-78 DEC 78 [] SEC CLASS: 25B MSN: [] 0013P ACCN: S085881 25X1

1038
TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

SAFONOVO PLASTICS + GM COMPONENTS PLANT	UR 550520N 0331500E	
WAC NO : []	BE/OBJ NO: []	NPIC NO : - 144-A
IDHS CODE: []	EPF CAT : 30F	COMIREX NO: []
SAFONOVO PLASTICS + GM COMPONENTS PLANT	UR 550520N 0331500E	
WAC NO : []	BE/OBJ NO: []	NPIC NO : - 144-A
IDHS CODE: []	EPF CAT : 40E	COMIREX NO: []
OREKHOVO ZUYEVO PLASTICS PLANT KARBOLIT	UR 554800N 0385900E	
WAC NO : []	BE/OBJ NO: []	NPIC NO : - 163-A
IDHS CODE: []	EPF CAT : 30F	COMIREX NO: []
KHOTKOVO MISSILE COMPONENTS PLANT PROB	UR 561552N 0375828E	
WAC NO : []	BE/OBJ NO: []	NPIC NO : - 107
IDHS CODE: []	EPF CAT : 40E	COMIREX NO: []
DZERZHINSK PLASTICS PLANT PROB	UR 561730N 0433620E	
WAC NO : []	BE/OBJ NO: []	NPIC NO : - 12-E2
IDHS CODE: []	EPF CAT : 30F	COMIREX NO: []
BELGOROD PLASTICS PLANT SUSP	UR 503510N 0363730E	
WAC NO : []	BE/OBJ NO: []	NPIC NO : - 3-A3
IDHS CODE: []	EPF CAT : 30F	COMIREX NO: []
MISSILES, PLASTICS PLANTS MISSILE RELATED	UR	
WAC NO : []	BE/OBJ NO: []	NPIC NO : -
IDHS CODE: []	EPF CAT : 40E	COMIREX NO: []
INDUSTRY, PLASTICS PLANTS MISSILE RELATED	UR	
WAC NO : []	BE/OBJ NO: []	NPIC NO : -
IDHS CODE: []	EPF CAT : 30F	COMIREX NO: []

THIS REPORT DESCRIBES THE DEVELOPMENTS AT FIVE SOVIET PLASTICS PLANTS BELIEVED TO BE ENGAGED IN THE RESEARCH, DESIGN, AND PRODUCTION OF PLASTIC (FIBERGLASS) COMPONENTS FOR THE SOVIET MISSILE INDUSTRY. COMPONENTS FOR THE SS-16/-20 AND SS-18 MISSILE SYSTEMS ARE CURRENTLY PRODUCED AT SAFONOVO PLASTICS AND GUIDED MISSILE COMPONENTS PLANT AND KHOTKOVO PROBABLE MISSILE ASSOCIATED PLANT. PLASTICS PRODUCTS ARE PRODUCED AT THREE OTHER PLANTS - BELGOROD SUSPECT PLASTICS PLANT, DZERZHINSK PROBABLE PLASTICS PLANT, AND OREKHOVO ZUYEVO PLASTICS PLANT KARBOLIT - WHICH PHYSICALLY RESEMBLE THE SAFONOVO AND KHOTKOVO PLANTS. TO DATE, HOWEVER, NO MISSILE SYSTEM ASSOCIATION HAS BEEN CONFIRMED FOR THOSE THREE PLANTS. CONSTRUCTION ACTIVITY UNDERWAY AT SAFONOVO AND KHOTKOVO INDICATES THAT COMPONENTS FOR NEW AND/OR MODIFIED MISSILE SYSTEMS MAY BE PRODUCED THERE. THE MISSILE SYSTEMS MOST LIKELY INCLUDE AT LEAST THREE FOLLOW-ON/NEW STRATEGIC MISSILE SYSTEMS AND AT LEAST ONE NEW OR MODIFIED TACTICAL MISSILE SYSTEM. THE STRATEGIC MISSILE SYSTEMS MAY INCLUDE A FOLLOW-ON TO THE SS-16 AND SS-18 ICBMS AND A NEW SOLID PROPELLANT MISSILE SYSTEM. THE TACTICAL MISSILE SYSTEMS COULD INCLUDE THE SS-21 AND THE SS-22, A SCALEBOARD FOLLOW-ON FORMERLY KNOWN AS THE KY-12.

THIS REPORT IS BASED ON ALL PERTINENT KEYHOLE IMAGERY OF THE INSTALLATIONS ACQUIRED THROUGH [] [] THE INFORMATION CUTOFF DATE FOR THIS REPORT. THIS IS THE FIRST BASIC REPORT ON THREE OF THE FIVE INSTALLATIONS AND UPDATES PREVIOUS NPIC REPORTS [] ON KHOTKOVO AND SAFONOVO, RESPECTIVELY. THE REPORT CONTAINS A LOCATION MAP, EIGHT PHOTOGRAPHS, AND SIX TABLES.

25X1

25X1

25X1

TOP SECRET CHESS RUFF

25X1

25X1

Page Denied

Next 6 Page(s) In Document Denied

[Redacted]

TOP SECRET CHESS RUFF

[Redacted]

[Redacted]

25X1

[Large Redacted Block]

25X1

CIA INFR IS10289K-79 09 JAN 79 [Redacted] SEC CLASS: 13 MSN: 0002P ACCN: 5085911 25X1

MILITARY, ACTIVITY INCREASE IZ
WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 35 COMIREX NO:

IN LIGHT OF THE UNSTABLE SITUATION IN IRAN, OIA HAS PROVIDED INFORMATION CONCERNING RECENT INCREASED MILITARY ACTIVITY IN IRAQ.*

[Large Redacted Block]

25X1

1047
TOP SECRET CHESS RUFF

[Redacted]

[Redacted]

25X1
25X1

[Redacted]

TOP SECRET CHESS RUFF [Redacted]

[Redacted]

25X1

THESE COMPLEXES A FOLLOW-ON MISSILE SYSTEM THAT EMPLOYS A PBV.

CIA INFR IS10259K-78 06 NOV 78 [Redacted] SEC CLASS: 14 X MSN: 0015P ACCN: S085914

25X1
25X1

[Redacted]

PUHSIN HIGH EXPLOSIVES TEST FACILITY POSS COMPLEX NO: TW 244951N 1211250E
WAC NO : [Redacted] BE/OBJ NO: [Redacted] NPIC NO : -
IDHS CODE: [Redacted] EPF CAT : 35G COMIREX NO: [Redacted]

25X1
25X1

THIS REPORT CONTAINS PHOTOGRAPHS, PHYSICAL DESCRIPTIONS, DIMENSIONS, AND CONSTRUCTION CHRONOLOGIES OF THE PU-HSIN EXPLOSIVES RELATED FACILITY AND THE SHIH-KU-LIAO RESEARCH AND DEVELOPMENT FACILITY, REPUBLIC OF CHINA.

THESE TWO FACILITIES ARE UNDER CONSTRUCTION IN THE FOOTHILLS SOUTHWEST OF THE CHUNG-SHAN INSTITUTE OF SCIENCE AND TECHNOLOGY (CIST) AND THE INSTITUTE OF NUCLEAR ENERGY RESEARCH (INER) AT LUNG-TAN.*

CIA INFR IS10261K-78 20 NOV 78 [Redacted] SEC CLASS: 13 MSN: 0003P ACCN: S085915

25X1

BIYSK HEAT + THERMAL POWER PLANT TETS 1 UR 522925N 0850505E
WAC NO : [Redacted] BE/OBJ NO: [Redacted] NPIC NO : -
IDHS CODE: [Redacted] EPF CAT : 30E COMIREX NO:

25X11

THIS MEMORANDUM BRIEFLY DESCRIBES THE BIYSK HEAT AND THERMAL POWER PLANT TETS 1. THIS IS THE LARGEST OF TWO THERMAL POWER PLANTS LOCATED AT BIYSK; THE OTHER OLDER AND SMALLER PLANT IS THE BIYSK THERMAL POWER PLANT. THE PLANT IS LOCATED ABOUT 6 KILOMETERS (KM) SOUTHWEST OF THE CENTER OF BIYSK, INSIDE THE PLANT AREA OF THE BIYSK SOLID MOTOR PRODUCTION PLANT AND ADJACENT TO THE EASTERN BOUNDARY OF THE BIYSK EXPLOSIVES PLANT. OPEN-SOURCE INFORMATION ON THIS PLANT IS SCARCE, PROBABLY BECAUSE OF ITS LOCATION AT THE SOLID ROCKET MOTOR PRODUCTION PLANT.

CIA INFR IS10266K-78 27 NOV 78 [Redacted] SEC CLASS: 13 MSN: 0003P ACCN: S085916

25X1

MILITARY, MOTORIZED RIFLE BNS BTR-60 APC DPL UR
WAC NO : [Redacted] BE/OBJ NO: [Redacted] NPIC NO : -
IDHS CODE: [Redacted] EPF CAT : 35 COMIREX NO:

THOSE SOVIET MOTORIZED RIFLE BATTALIONS EQUIPPED WITH THE BTR-60 ARMORED PERSONNEL CARRIER APPEAR TO HAVE 36 TO 39 OF THESE VEHICLES RATHER THAN 32 AS PREVIOUSLY ESTIMATED. ALTHOUGH THE NUMBER OF VEHICLES OBSERVED WITH EACH BATTALION WITHIN A REGIMENT MAY DIFFER SLIGHTLY, 38 IS THE AVERAGE. USING THIS NUMBER, OIA HAS INCREASED THEIR ESTIMATE OF THE BTR-60S IN A MOTORIZED RIFLE REGIMENT FROM 96 TO 114. OIA HAS INCREASED THEIR ESTIMATE OF BTR-60S IN A COMBAT STRENGTH MOTORIZED RIFLE DIVISION BY 36, AS THERE ARE TWO BTR-60 EQUIPPED REGIMENTS IN EACH DIVISION. OIA HAS NOT YET DETERMINED WHETHER THESE ADDITIONAL VEHICLES ARE STRICTLY FOR TRAINING OR IF THEY INDICATE AN INCREASE IN REGIMENTAL MANPOWER.

1048
TOP SECRET CHESS RUFF [Redacted]

[Redacted]

25X1
25X1

TOP SECRET CHESS RUFF

25X1

NPIC IIR IIR096-78 15 DEC 78 [] SEC CLASS: 14B MSN: 0003P ACCN: 50859225X1

SOKAL MRBM SITE 1 SS-4 MSL READY BLDGS PROB UR 502249N 0241817E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 272 25X1
IDHS CODE: [] EPF CAT : 40B COMIREX NO: [] 25X1

ACTIVITY WHICH INDICATES THAT SS-4 EQUIPMENT WILL BE STORED IN THE NEW PROBABLE MISSILE-READY BUILDINGS WAS SEEN AT SOKAL MRBM LAUNCH SITE 1 ON [] THE ACTIVITY CONSISTED OF THREE MISSILE TRANSPORTERS PARKED IN FRONT OF THE BUILDINGS. TRACKS EXTENDING FROM ONE OF THE TRANSPORTERS TO THE ENTRANCE OF ONE OF THE GARAGES WERE DISCERNIBLE. 25X1

DIA BIIR RDA11-0018-78 DEC 78 [] SEC CLASS: 14B MSN: [] 0007P ACCN: 50859225X1

MORENI ARMORED VEHICLE + WEAPON PLT AUTOMECNA RO 445802N 0253937E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 90-C1 25X1
IDHS CODE: [] EPF CAT : 356 COMIREX NO: [] 25X1

THIS REPORT IS A DETAILED, IMAGERY-DERIVED ANALYSIS OF MORENI ARMORED VEHICLE AND WEAPON PLANT AUTOMECNA, ROMANIA. THE PLANT ENCOMPASSES 44 HECTARES AND CONTAINS 42 BUILDINGS WITH A TOTAL OF 65,834 SQUARE METERS OF ROOF COVER. THE PLANT IS CAPABLE OF ASSEMBLING AND TESTING A WIDE VARIETY OF WHEELED ARMORED VEHICLES AND POSSIBLY TRACKED ARMORED VEHICLES; HOWEVER, IT IS NOT CAPABLE OF MANUFACTURING MAJOR VEHICLE COMPONENTS.

THE INFORMATION IS PRESENTED IN GRAPHIC, TEXTUAL, AND TABULAR FORM. IT INCLUDES ONE MAP, TWO PHOTOGRAPHS, AND A TABLE. A REFERENCE DATA LIST FURNISHES IMAGERY, MAP, AND DOCUMENTARY SOURCES. A NATIONAL BASIC REFERENCE GRAPHIC (NBRG) IS ALSO INCLUDED.

25X1

1049
TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

IDHS CODE: [] EPF CAT : 05A COMIREX NO: []

25X1

THIS REPORT SUPERSEDES DIA, RDA-05/0017/70, [] MALYAVR AIRFIELD, MARCH 1970 (TSR) AND DIA, RDA-05/0007/75, [] MALYAVR AIRFIELD, JANUARY 1975 (TSR) AS THE BASIC REPORT FOR THE AIRFIELD.

25X1
25X1

THIS REPORT IS A DETAILED IMAGERY-DERIVED ANALYSIS OF MALYAVR AIRFIELD AND RELATED FACILITIES DURING THE PERIOD SEPTEMBER 1957 TO [] MALYAVR IS A SOVIET NAVAL AVIATION BASE IN THE NORTH EUROPEAN USSR. SIGNIFICANT ADDITIONS TO THE AIRFIELD DURING THE REPORTING PERIOD INCLUDE EXPANDED AIRCRAFT PARKING FACILITIES AND AN ASM SUPPORT AREA.

25X1

FEATURES DESCRIBED IN THIS REPORT INCLUDE A 2,504M X 62M CONCRETE RUNWAY, TAXIWAYS, PARKING FACILITIES, VTOL PADS, NAVIGATIONAL/LANDING/ELECTRONICS AIDS, POL STORAGE WITH AN ESTIMATED CAPACITY ON 17,364,400 LITERS, AIRCRAFT MAINTENANCE, AN ASM SUPPORT FACILITY, ACCOMMODATIONS, SUPPPORT AND TRANSPORTATION. AOR ON [] WAS 29 BADGER, 4 FISHBED AND 1 FORGER.

25X1

THE INFORMATION IS PRESENTED IN GRAPHIC, TEXTUAL, AND TABULAR FORM. IT INCLUDES A MAP, 13 ANNOTATED PHOTOGRAPHS, TABLES, AND CHRONOLOGY. A REFERENCE DATA LIST FURNISHES IMAGERY AND MAP SOURCES. A NATIONAL BASIC REFERENCE GRAPHIC (NBRG) IS INCLUDED.

CIA IRP IS10265J-78 NOV 78 [] SEC CLASS: 25D MSN: 0021P ACCN: S085929 25X1

TAGANROG AIRFIELD AIRBORNE EW RADAR NEW	UR	471155N	0385055E
WAC NO : []	BE/OBJ NO: []	NPIC NO : -	38-A
IDHS CODE: []	EPF CAT : 25H	COMIREX NO: []	
TAGANROG AIRFRAME PLT 86 AIRBORNE EW RDR NEW	UR	471150N	0385220E
WAC NO : []	BE/OBJ NO: []	NPIC NO : -	38-D
IDHS CODE: []	EPF CAT : 05G	COMIREX NO: []	
TAGANROG AIRFRAME PLT 86 AIRBORNE EW RDR NEW	UR	471150N	0385220E
WAC NO : []	BE/OBJ NO: []	NPIC NO : -	38-D
IDHS CODE: []	EPF CAT : 25H	COMIREX NO: []	
TYURATAM/TARTUGAY MTC RADAR TEST FAC SUSP RDR	UR	442953N	0661406E
WAC NO : []	BE/OBJ NO: []	NPIC NO : -	30
IDHS CODE: []	EPF CAT : 25C	COMIREX NO: []	
LUKHOVITSY RADAR TEST FAC AIRBORNE EW RDR NEW	UR	545431N	0390227E
WAC NO : []	BE/OBJ NO: []	NPIC NO : -	12-C
IDHS CODE: []	EPF CAT : 25E	COMIREX NO: []	
ELECTRONICS, EW SYSTEM AIRBORNE NEW	UR		
WAC NO : []	BE/OBJ NO: []	NPIC NO : -	
IDHS CODE: []	EPF CAT : 25H	COMIREX NO: []	

25X1
25X1

25X1
25X1

25X1

25X1
25X1

25X1

THE SOVIET UNION HAS DEVELOPED AND IS CONTINUING TO TEST A NEW AIRBORNE EARLY WARNING (AEW) RADAR SYSTEM. THREE LOCATIONS -- LUKHOVITSY RADAR TEST FACILITY, TARTUGAY ELECTRONICS RESEARCH/TEST FACILITY, AND TAGANROG AIRFRAME PLANT DIMITROV 86 -- HAVE BEEN ASSOCIATED WITH THE DEVELOPMENT AND TESTING OF THE NEW RADAR SYSTEM. A MODIFIED TU-126 MOSS AIRCRAFT APPARENTLY WAS THE ORIGINAL AIRBORNE TEST PLATFORM FOR THE NEW RADAR, BUT THE AVAILABLE EVIDENCE INDICATED THAT A VARIANT OF THE IL-76 CANDID AIRCRAFT WAS TO BE THE OPERATIONAL PLATFORM. THIS EVIDENCE WAS SUBSTANTIATED RECENTLY BY THE IDENTIFICATION OF AN IL-76

1050
TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

FITTED OUT WITH THE NEW RADAR SYSTEM AT TAGANROG AIRFIELD ON

25X1

CIA BIIR RCS13-0001-79 NOV 78 SEC CLASS: 13 MSN: 0052P

ACCN: S085930

UFA PETROLEUM REFINERY STARO	UFIMSKIY	UR	545054N	0560513E	
WAC NO :	BE/OBJ NO :	NPIC NO :	-	30-B	25X1
IDHS CODE :	EPF CAT :	COMIREX NO :			25X1
RYAZAN PETROLEUM REFINERY		UR	543402N	0394441E	
WAC NO :	BE/OBJ NO :	NPIC NO :	-	20-F	25X1
IDHS CODE :	EPF CAT :	COMIREX NO :			25X1
POLOTSK PETROLEUM REFINERY		UR	553114N	0283251E	
WAC NO :	BE/OBJ NO :	NPIC NO :	-	57-H	25X1
IDHS CODE :	EPF CAT :	COMIREX NO :			25X1
OMSK PETROLEUM REFINERY		UR	550414N	0731351E	
WAC NO :	BE/OBJ NO :	NPIC NO :	-	5-B	25X1
IDHS CODE :	EPF CAT :	COMIREX NO :			25X1
MOSKVA PETROLEUM REFINERY LYUBERTSY		UR	553900N	0374824E	
WAC NO :	BE/OBJ NO :	NPIC NO :	-		25X1
IDHS CODE :	EPF CAT :	COMIREX NO :			25X1
KUYBYSHEV PETROLEUM REFINERY	LEND LEASE 3	UR	530611N	0500332E	
WAC NO :	BE/OBJ NO :	NPIC NO :	-	18-N1	25X1
IDHS CODE :	EPF CAT :	COMIREX NO :			25X1
KREMENCHUG PETROLEUM REFINERY		UR	491013N	0332741E	
WAC NO :	BE/OBJ NO :	NPIC NO :	-	35-F	25X1
IDHS CODE :	EPF CAT :	COMIREX NO :			25X1
KIRISHI PETROLEUM REFINERY		UR	592859N	0320335E	
WAC NO :	BE/OBJ NO :	NPIC NO :	-	138	25X1
IDHS CODE :	EPF CAT :	COMIREX NO :			25X1
GROZNYIY PETROLEUM REFINERY GROUP		UR	431805N	0453903E	
WAC NO :	BE/OBJ NO :	NPIC NO :	-	21-B	25X1
IDHS CODE :	EPF CAT :	COMIREX NO :			25X1
GORKIY PETROLEUM REFINERY NOVO GORKIY		UR	560650N	0440820E	
WAC NO :	BE/OBJ NO :	NPIC NO :	-	7-B	25X1
IDHS CODE :	EPF CAT :	COMIREX NO :			25X1
BAKU PETROLEUM REFINERY WATERFRONT GROUP		UR	402251N	0495352E	
WAC NO :	BE/OBJ NO :	NPIC NO :	-	8-E1	25X1
IDHS CODE :	EPF CAT :	COMIREX NO :			25X1
BAKU PETROLEUM REFINERY 2		UR	402430N	0495450E	
WAC NO :	BE/OBJ NO :	NPIC NO :	-		25X1
IDHS CODE :	EPF CAT :	COMIREX NO :			25X1
ANGARSK PETROLEUM REFINERY		UR	523157N	1035629E	
WAC NO :	BE/OBJ NO :	NPIC NO :	-	1-A1	25X1
IDHS CODE :	EPF CAT :	COMIREX NO :			25X1

1051

TOP SECRET CHESS RUFF

25X1

25X1

TOP SECRET CHESS RUFF

25X1

INDUSTRY, PETROLEUM REFINING

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

THE SOVIETS CONTINUED EXPANSION OF THEIR PETROLEUM REFINING INDUSTRY DURING THE NINTH FIVE-YEAR PLAN (1971-75) BY EXPANDING EXISTING REFINERIES AND INITIATING CONSTRUCTION OF SEVEN NEW REFINERIES. THESE WERE THE FIRST NEW SOVIET REFINERIES STARTED SINCE THE EARLY 1960S. ALTHOUGH CONSTRUCTION PROGRESS HAS BEEN SLOW -- ONLY TWO OF THE SEVEN ARE NOW OPERATING AND THE THIRD WILL BE OPERATING BY THE END OF 1978 -- THE EXPANSION PROGRAMS HAVE CONTINUED AND HAVE BEEN CARRIED OVER INTO THE TENTH FIVE-YEAR PLAN PERIOD (1976-1980). CONSTRUCTION IS NOW ALMOST COMPLETE ON AN ADDITIONAL REFINERY AT THE NIZHNEKAMSK PETROCHEMICAL COMBINE. THE INDUSTRY IS BEING GENERALLY EXPANDED AND MODERNIZED BY THE ADDITION OF CRUDE OIL DISTILLATION AND SECONDARY PROCESSING (PRIMARILY CATALYTIC REFORMING) UNITS.

THEY ARE OPERATING THEIR STANDARDIZED UNITS AT FROM 30 PERCENT TO 50 PERCENT ABOVE DESIGN CAPACITY, WHICH SEEMS REASONABLE IN TERMS OF WESTERN EXPERIENCE. ON THIS BASIS, THE TOTAL CRUDE OIL CHARGE CAPACITY FOR THE 48 REFINERIES OPERATING AT THE END OF 1977 IS ESTIMATED AT 325 TO 405 MILLION METRIC TONS PER YEAR.

IT IS EXPECTED THAT THE SOVIETS WILL CONTINUE TO CONSTRUCT THE LARGE 6- TO 8-MMT/YR CRUDE UNITS UNTIL THEY BEGIN INSTALLING THE 10- TO 12-MMT/YR UNITS THAT ARE REPORTEDLY BEING DESIGNED. IF, AS THEY STATE, THE SOVIETS INTEND TO GET MORE LIGHT FUELS FROM THE CRUDE OIL PROCESSED, THEY ALSO WILL HAVE TO PLACE MORE EMPHASIS ON BUILDING CRACKING UNITS IN THE PETROLEUM REFINERIES.

THIS REPORT UPDATES A REPORT ON THE SOVIET PETROLEUM REFINING INDUSTRY PUBLISHED BY THE OFFICE OF IMAGERY ANALYSIS IN 1976. IT DISCUSSES CONSTRUCTION OF SOVIET CRUDE OIL DISTILLATION UNITS, THE CAPACITY OF THE SOVIET REFINING INDUSTRY, AND DEVELOPMENTS IN CATALYTIC REFORMING, PETROLUEN COKE PRODUCTION, AND ASPHALT PLANTS AT SOVIET REFINERIES. THE CHANGES THAT HAVE OCCURRED IN THE INDIVIDUAL REFINERIES AND A DISCUSSION OF THE FUTURE DEVELOPMENTS IN THE INDUSTRY ARE ALSO INCLUDED. PHOTOGRAPHS OF EACH OF THE 13 LARGEST SOVIET PETROLEUM REFINERIES, WHICH ACCOUNT FOR ABOUT 60 PERCENT OF THE SOVIET CRUDE OIL CHARGE CAPACITY, ARE PROVIDED IN THE APPENDIX, AND THE CRITICAL COMPONENTS IN EACH REFINERY ARE IDENTIFIED.

25X1

25X1

DIA 11M 5B1-50739-78 20 DEC 78

SEC CLASS: 13 MSN: 0001P

ACCN: S085935

25X1

SAKI AIRFIELD FORGER YAK-36

UR 450530N 0333612E

1052
TOP SECRET CHESS RUFF

25X1
25X1

[Redacted]

TOP SECRET CHESS RUFF [Redacted]

[Redacted] 25X1

WAC NO : [Redacted] BE/OBJ NO: [Redacted] NPIC NO : - 59 25X1
IDHS CODE: [Redacted] EPF CAT : 05A COMIREX NO: [Redacted] 25X1

DIA IIM 503-50714-78 20 DEC 78 [Redacted] SEC CLASS: 13 MSN: [Redacted] 0001P ACCN: 50859325X1

MOSKVA PHYSICS INSTITUTE LEBEDEV UR 554149N 0373357E
WAC NO : [Redacted] BE/OBJ NO: [Redacted] NPIC NO : - 46-R2 25X1
IDHS CODE: [Redacted] EPF CAT : 65A COMIREX NO: [Redacted] 25X1

[Large Redacted Block]

DIA IIM 503-50738-78 20 DEC 78 [Redacted] SEC CLASS: 13 MSN: [Redacted] 0001P ACCN: 50859425X1

BEREZA AIRFIELD AIRCRAFT BUNKERS UR 523328N 0245251E
WAC NO : [Redacted] BE/OBJ NO: [Redacted] NPIC NO : - 6 25X1
IDHS CODE: [Redacted] EPF CAT : 05A COMIREX NO: [Redacted] 25X1

[Large Redacted Block]

DIA IIM 501-50735-78 22 DEC 78 [Redacted] SEC CLASS: 14B MSN: [Redacted] 0001P ACCN: 50859425X1

TARNOW ARMY BARRACKS 2 PL 500040N 0205820E
WAC NO : [Redacted] BE/OBJ NO: [Redacted] NPIC NO : - 192-A1 25X1

1053
TOP SECRET CHESS RUFF [Redacted]

[Redacted] 25X1
[Redacted] 25X1

TOP SECRET CHESS RUFF

25X1

IUHS CODE: []
TARNOW ARMY BARRACKS 1
WAC NO : []
IUHS CODE: []

EPF CAT : 35A
BE/OBJ NO: []
EPF CAT : 35A

COMIREX NO: []
PL 500058N 0205915E
NPIC NO : - 192-A
COMIREX NO: []

25X1
25X1
25X1
25X1

DIA IIM 5B3-50748-78 22 DEC 78 [] SEC CLASS: 13 MSN: [] 0003P

ACCN: S085943

LIDA AIRFIELD AIRCRAFT BUNKERS

WAC NO : []
IUHS CODE: []

BE/OBJ NO: []
EPF CAT : 05A

UR 535240N 0252246E
NPIC NO : - 40-B
COMIREX NO: []

25X1
25X1

DIA IIM 5B3-50750-78 22 DEC 78 [] SEC CLASS: 13 MSN: [] 0003P

ACCN: S085946

SHCHUCHIN AIRFIELD AIRCRAFT BUNKERS

WAC NO : []
IUHS CODE: []

BE/OBJ NO: []
EPF CAT : 05A

UR 533602N 0244606E
NPIC NO : - 64
COMIREX NO: []

25X1
25X1

DIA IIM 5B3-50749-78 22 DEC 78 [] SEC CLASS: 13 MSN: [] 0003P

ACCN: S085947

ROSS AIRFIELD AIRCRAFT BUNKERS

WAC NO : []
IUHS CODE: []

BE/OBJ NO: []
EPF CAT : 05A

UR 531810N 0242206E
NPIC NO : - 63
COMIREX NO: []

25X1
25X1

DIA IIM 5B3-50751-78 22 DEC 78 [] SEC CLASS: 13 MSN: [] 0001P

ACCN: S085948

MOSKVA ENGINEERING + PHYSICS INSTITUTE

WAC NO : []
IUHS CODE: []

BE/OBJ NO: []
EPF CAT : 65A

UR 553905N 0374000E
NPIC NO : -
COMIREX NO: []

225X1

1054
TOP SECRET CHESS RUFF

25X1
25X1

Page Denied

TOP SECRET CHESS RUFF

25X1

25X1

NPIC MIPIR CA0003-79 03 JAN 79 SEC CLASS: 13 MSN: 0127P ACCN: S085954 25X1

MIPIR 362/003

WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 15A COMIREX NO:

NPIC SR SR086-78 DEC 78 SEC CLASS: 14D MSN: 0003P ACCN: S085955 25X1

LUTA SHIPYARD DAIREN SLBM LAUNCH TUBES PROB CH 385559N 1213816E 25X1

WAC NO : BE/OBJ NO: NPIC NO : - 18-C 25X1

IDHS CODE: EPF CAT : 40G COMIREX NO: 25X1

LUTA SHIPYARD DAIREN SLBM LAUNCH TUBES PROB CH 385559N 1213816E 25X1

WAC NO : BE/OBJ NO: NPIC NO : - 18-C 25X1

IDHS CODE: EPF CAT : 75E COMIREX NO: 25X1

LUTA SHIPYARD DAIREN SLBM ASSOC STRUCTURES CH 385559N 1213816E 25X1

WAC NO : BE/OBJ NO: NPIC NO : - 18-C 25X1

IDHS CODE: EPF CAT : 75E COMIREX NO: 25X1

LUTA SHIPYARD DAIREN SLBM ASSOC STRUCTURES CH 385559N 1213816E 25X1

WAC NO : BE/OBJ NO: NPIC NO : - 18-C 25X1

IDHS CODE: EPF CAT : 40G COMIREX NO: 25X1

IMAGERY-DERIVED EVIDENCE INDICATES THAT THE NEWER SUBMARINE-LAUNCHED BALLISTIC MISSILE (SLBM) -ASSOCIATED STRUCTURE ON THE QUAY AT LU-TA SHIPYARD DAIREN IS RELATED TO THE FABRICATION OF SLBM LAUNCH TUBES TO BE INSTALLED IN THE INDIGENOUSLY DESIGNED CHINESE NUCLEAR-POWERED BALLISTIC MISSILE SUBMARINE (SSBN) UNDER CONSTRUCTION AT HU-LU-TAO SHIPYARD. SECTIONS OF PROBABLE SLBM TUBES HAVE BEEN OBSERVED IN THE VICINITY OF THE STRUCTURE ON ALL SATELLITE IMAGERY ACQUIRED OF THE SHIPYARD SINCE EARLY AUGUST 1978. NINE PROBABLE LAUNCH TUBE SECTIONS WERE NEAR THE STRUCTURE ON THE MOST RECENT DATE OF COVERAGE. THE DIMENSIONS OF THE PROBABLE TUBE SECTIONS, WHICH WERE MEASURED ON ALL COVERAGES, ARE COMPARABLE TO THE DIMENSIONS OF LAUNCH TUBES PREVIOUSLY OBSERVED AT SLBM-RELATED INSTALLATIONS IN THE PEOPLE'S REPUBLIC OF CHINA (PRC). 25X1

NAVY BIIR RNG23-0003-78 NOV 78 SEC CLASS: 14B MSN: 0036P ACCN: S085956 25X1

SHIPS, SUBMARINE COMPONENTS U/I UR

WAC NO : BE/OBJ NO: NPIC NO : -

IDHS CODE: EPF CAT : 75D COMIREX NO:

SHIPS, V-2 CLASS SSN UR

WAC NO : BE/OBJ NO: NPIC NO : -

IDHS CODE: EPF CAT : 75D COMIREX NO:

1056
TOP SECRET CHESS RUFF

25X1
25X1



TOP SECRET CHESS RUFF



25X1

SHIPS, T CLASS SS		UR	
WAC NO :	BE/OBJ NO:	NPIC NO :	-
IDHS CODE:	EPF CAT : 75D	COMIREX NO:	
SHIPS, C-1/C-2 CLASS SSGN		UR	
WAC NO :	BE/OBJ NO:	NPIC NO :	-
IDHS CODE:	EPF CAT : 75D	COMIREX NO:	
GORKIY SHIPYARD 112 SUBMARINE COMPONENTS		UR	562142N 0435228E
WAC NO :	BE/OBJ NO:	NPIC NO :	- 13-C
IDHS CODE:	EPF CAT : 75E	COMIREX NO:	

25X1
25X1

THIS REPORT PROVIDES AN IMAGERY-DERIVED ANALYSIS OF SUBMARINE CONSTRUCTION ACTIVITIES AT GORKIY SHIPYARD 112 DURING THE PERIOD JUNE 1975 TO JULY 1978. IT IS THE THIRD IN A SERIES AND A DIRECT CONTINUATION OF THE FOLLOWING BASIC REPORTS: SUBMARINE COMPONENTS GORKIY SHIPYARD 112, BASIC IMAGERY INTERPRETATION REPORT (BIIR), RNG-23/0009/74, JUNE 1974; AND SUBMARINE COMPONENTS GORKIY SHIPYARD 112, RNG-23/0003/76, OCTOBER 1975. IT SUPERSEDES NAVAL WEAPONS AND WEAPONS SYSTEMS, BASIC IMAGERY INTERPRETATION BRIEF (BIIB). THE BASIC REPORT CONTAINS TEXTUAL AND GRAPHIC INFORMATION CONCERNING THE SHIPYARD'S FACILITIES, PRODUCTIVE HISTORY, ASSOCIATED SUBMARINE HULL SECTIONS AND COMPONENTS, AND REFERENCE DATA. THE INTELLIGENCE CUTOFF DATE FOR THIS REPORT IS JULY 1978.

25X1
25X1

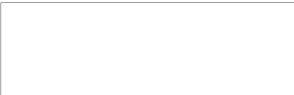


25X1

1057
TOP SECRET CHESS RUFF



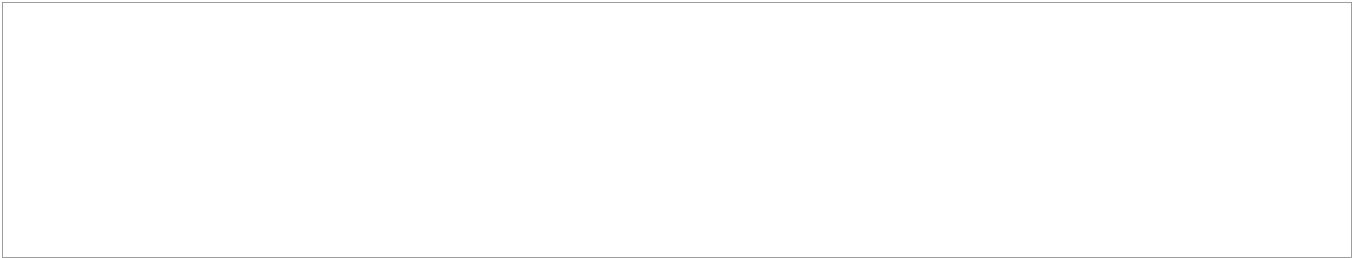
25X1
25X1



TOP SECRET CHESS RUFF



25X1



25X1

DIA BIR RDA05-0002-78 DEC 78 SEC CLASS: 14D MSN 0018P ACCN: S085958

25X1

TAIHO AIRFIELD

WAC NO :
IDHS CODE:

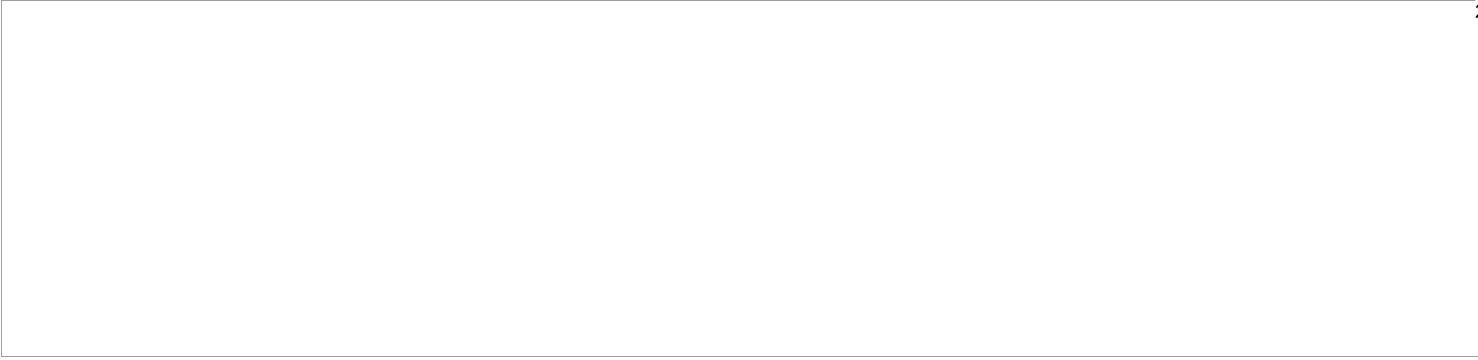
BE/OBJ NO:
EPF CAT : 05A

CH 265140N 1144418E
NPIC NO : - 125-B
COMIREX NO:

25X1
25X1

TAIHO AIRFIELD IS A FIGHTER/BOMBER BASE LOCATED IN THE FU-CHOU AIR DISTRICT IN SOUTHEAST PEOPLE'S REPUBLIC OF CHINA. IT IS APPROXIMATELY 175NM WEST OF TAIWAN (NATIONALIST CHINA). IT IS 20NM SOUTHWEST OF THE TOWN OF CHI-AN AND 9NM WEST-NORTHWEST OF TAIHO. CONSTRUCTION OF THE RUNWAY/TAXIWAY SYSTEM WAS FIRST OBSERVED ON [REDACTED], THE BASE LIES APPROXIMATELY 152 METERS ABOVE MEAN SEA LEVEL. THE HIGHEST ELEVATION WITHIN 20NM IS 752 METERS, 19NM TO THE WEST-SOUTHWEST. A CHRONOLOGY OF MISSION COVERAGE IS INCLUDED IN THIS REPORT.

25X1



25X1

1058
TOP SECRET CHESS RUFF



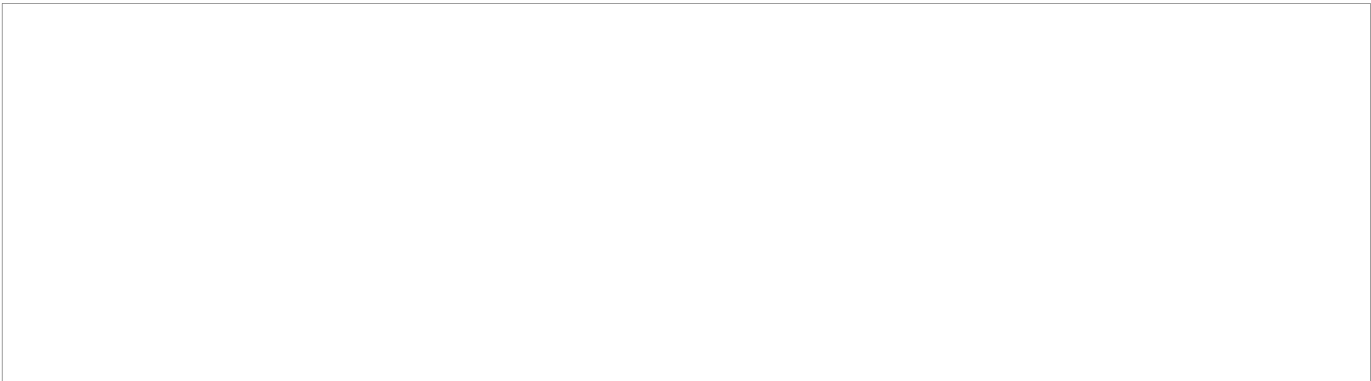
25X1
25X1



TOP SECRET CHESS RUFF




25X1
25X1







25X1

DIA BIIR RDA11-0006-78 DEC 78  SEC CLASS: 14D MSN:  0008P

ACCN: 508596 

HUAYIN WEAPONS TEST FACILITY WEST

WAC NO :  BE/OBJ NO:  CH 343345N 1095715E
IDHS CODE:  EPF CAT : 35G NPIC NO : - 12-D1
COMIREX NO: 

25X1
25X1

THIS REPORT IS A DETAILED, IMAGERY-DERIVED ANALYSIS OF HUA-YIN WEAPONS TEST FACILITY WEST LOCATED APPROXIMATELY 50NM ENE OF HSI-AN IN SHENSI PROVINCE, LAN-CHOU MILITARY REGION, PEOPLE'S REPUBLIC OF CHINA (PRC). THIS ARTILLERY WEAPONS TESTING FACILITY, WHICH OCCUPIES APPROXIMATELY 187.3 HECTARES HAS SIX FUNCTIONAL AREAS CONSISTING OF A TEST FIRING AREA, A RANGEHEAD SUPPORT AREA, A MAIN SUPPORT AREA, AND THREE ORDNANCE STORAGE AREAS. THE TEST FIRING AREA CONTAINS TEN MAIN FIRING RANGES AND A PROBABLE FRAGMENTATION AREA. THE ROAD SERVED FACILITY IS OPERATIONAL WITH LIGHT ACTIVITY. IT IS SECURED BY WALLS AND SMALL DIKES TOPPED WITH LOW WALLS OR FENCES AND CONTAINS 100 BUILDINGS WITH A TOTAL ROOF COVER OF 27,990 SQUARE METERS.

THE INFORMATION IS PRESENTED IN GRAPHIC, TEXTUAL, AND TABULAR FORM. IT INCLUDES A LOCATION MAP, FOUR TABLES, AND SIX ANNOTATED PHOTOGRAPHS. A REFERENCE DATA LIST FURNISHES IMAGERY AND MAP SOURCES. A NATIONAL BASIC REFERENCE GRAPHIC (NBRG) IS INCLUDED.



25X1

1059
TOP SECRET CHESS RUFF



25X1
25X1

Page Denied

Next 3 Page(s) In Document Denied

TOP SECRET CHESS RUFF

25X1
25X1

25X1

NPIC MEMO 29 DEC 78 SEC CLASS: 14B MSN: 0003P ACCN: S085980 25X1

NOVO NIKOLAYEVSKAYA RADIO RELAY STATION	UR	505900N 0422230E	
WAC NO :	BE/OBJ NO:	NPIC NO :	- 33-A
IDHS CODE:	EPF CAT :	COMIREX NO:	
BORISOGELBSK RADIO RELAY STATION	UR	512150N 0420240E	
WAC NO :	BE/OBJ NO:	NPIC NO :	- 4-B1
IDHS CODE:	EPF CAT :	COMIREX NO:	
URYUPINSK RADIO RELAY STATION	UR	504857N 0415701E	
WAC NO :	BE/OBJ NO:	NPIC NO :	- 50-C
IDHS CODE:	EPF CAT :	COMIREX NO:	
POVORINO RADIO RELAY STATION	UR	511200N 0421425E	
WAC NO :	BE/OBJ NO:	NPIC NO :	- 33-B
IDHS CODE:	EPF CAT :	COMIREX NO:	
BALASHOV RADIO RELAY STATION	UR	513255N 0430910E	
WAC NO :	BE/OBJ NO:	NPIC NO :	- 2-A4
IDHS CODE:	EPF CAT :	COMIREX NO:	
NEKHAYEVSKIY TV RELAY STATION	UR	502115N 0414450E	
WAC NO :	BE/OBJ NO:	NPIC NO :	- 55
IDHS CODE:	EPF CAT :	COMIREX NO:	6J0004AA
CHERKESOVSKIY RADIO RELAY STATION	UR	504120N 0423500E	
WAC NO :	BE/OBJ NO:	NPIC NO :	- 109
IDHS CODE:	EPF CAT :	COMIREX NO:	
TERNOVKA RADIO RELAY STATION	UR	514005N 0413520E	
WAC NO :	BE/OBJ NO:	NPIC NO :	- 77-A
IDHS CODE:	EPF CAT :	COMIREX NO:	
NIKOLSKIY RADIO RELAY STATION	UR	515753N 0411319E	
WAC NO :	BE/OBJ NO:	NPIC NO :	- 103-A
IDHS CODE:	EPF CAT :	COMIREX NO:	

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

225X1

ALL PERTINENT IMAGERY SINCE JANUARY 1978 WAS REVIEWED TO DETERMINE ANTENNA TYPES AND/OR ANTENNA ORIENTATIONS ALONG A PORTION OF THE LIPETSK-VOLGOGRAD RADIO-RELAY LINE.**

1064
TOP SECRET CHESS RUFF

25X1
25X1

Declassified in Part - Sanitized Copy Approved for Release 2014/03/07 : CIA-RDP80T00913A000200030001-4

[Redacted]

TOP SECRET CHESS RUFF [Redacted]

[Redacted]

25X1

[Redacted]

25X1

NPIC MIPIR CA0010-79 10 JAN 79 [Redacted] SEC CLASS: 14 MSN: 0136P ACCN: S085925X1

MIPIR 004/010
WAC NO :
IDHS CODE: BE/OBJ NO: NPIC NO : -
EPF CAT : 15A COMIREX NO:

[Redacted]

25X1

1065
TOP SECRET CHESS RUFF [Redacted]

[Redacted]

25X1
25X1

Declassified in Part - Sanitized Copy Approved for Release 2014/03/07 : CIA-RDP80T00913A000200030001-4

TOP SECRET CHESS RUFF

25X1

NPIC PIR PIR052-78 DEC 78 SEC CLASS: 14D MSN: 0008P ACCN: S085986

25X1

25X1

KOROSTEN ARMY BKS LUGINY AL3 COMBAT DIV NEW UR 510531N 0282251E
 WAC NO : BE/OBJ NO: NPIC NO : - 124-A
 IDHS CODE: EPF CAT : 35A COMIREX NO:
 KOROSTEN ARMY BKS AL1/SAM SUPT COMBAT DIV NEW UR 505624N 0283850E
 WAC NO : BE/OBJ NO: NPIC NO : - 33-F
 IDHS CODE: EPF CAT : 35A COMIREX NO:
 OVRUCH ARMY BKS AL1/HQ TK DIV COMBAT DIV NEW UR 511947N 0284744E
 WAC NO : BE/OBJ NO: NPIC NO : - 42-H
 IDHS CODE: EPF CAT : 35A COMIREX NO:
 MILITARY, COMBAT DIVISION NEW TYPE UR
 WAC NO : BE/OBJ NO: NPIC NO : -
 IDHS CODE: EPF CAT : 35 COMIREX NO:

25X1

25X1

25X1

25X1

25X1

25X1

THIS REPORT IS AN IMAGERY-DERIVED ANALYSIS OF A NEW TYPE OF SOVIET COMBAT DIVISION FORMED FROM THE TANK DIVISION HEADQUARTERED IN OVRUCH IN THE CARPATHIAN MILITARY DISTRICT, USSR. THIS NEW DIVISION IS SIMILAR TO THE NONSTANDARD COMBAT DIVISION THAT WAS RECENTLY FORMED FROM A MOTORIZED RIFLE DIVISION HEADQUARTERED AT BELOGORSK IN THE FAR EAST MILITARY DISTRICT.

25X1

1066
TOP SECRET CHESS RUFF

25X1
25X1

Page Denied

TOP SECRET CHESS RUFF

25X1

25X1

ARMY BIIR RAC24-0004-78

SEP 78

SEC CLASS: 25B MSN:

0016P

ACCN: S085991

25X1

AIRCRAFT, HIND D MI-24

WAC NO :
IUHS CODE:

BE/OBJ NO:
EPF CAT : 05D

UR
NPIC NO : -
COMIREX NO:

THE PURPOSE OF THIS BASIC IMAGERY INTERPRETATION REPORT (BIIR) IS TO PROVIDE UPDATED INFORMATION ON POSSIBLE, NEW WEAPON SYSTEMS OF THE MI-24 HIND D PREVIOUSLY REPORTED IN BIIR RAC-24/5004/77, MI-24 HIND D HELICOPTER (U), DATED MARCH 1977. THIS UPDATED BIIR CONSISTS OF TEXT, ILLUSTRATIONS, AND REFERENCE

1068
TOP SECRET CHESS RUFF

25X1
25X1

Page Denied

[Redacted]

TOP SECRET CHESS RUFF

[Redacted]

[Redacted]

25X1
25X1

[Redacted]

25X1

DIA IIM 5B1-50521-78 05 JAN 79 [Redacted] SEC CLASS: 14B MSN: [Redacted] 0006P ACCN: S085994

25X1

KUYBYSHEV MILITARY TRAINING AREA 1/BKS AL3 UR 530435N 050300E
WAC NO : [Redacted] BE/OBJ NO: [Redacted] NPIC NO : - 18-29
IUHS CODE: [Redacted] EPF CAT : 35B COMIREX NO: [Redacted]

25X1
25X1
25X1

[Redacted]

DIA IIM 5B1-50817-78 05 JAN 79 [Redacted] SEC CLASS: 14B MSN: [Redacted] 0005P ACCN: S085997

25X1

WALCZ MILITARY STORAGE DEPOT 506 PL 531704N 0162845E
WAC NO : [Redacted] BE/OBJ NO: [Redacted] NPIC NO : -
IUHS CODE: [Redacted] EPF CAT : 35F COMIREX NO:

25X1
25X1
25X1

[Redacted]

1070
TOP SECRET CHESS RUFF

[Redacted]

[Redacted]

25X1
25X1

TOP SECRET CHESS RUFF

25X1

DIA IIM 5b3-71002-79 04 JAN 79 [] SEC CLASS: 13 MSN: [] 0001P

ACCN: 50860025X1

CHERNYAKHOVSK AIRFIELD AIRCRAFT BUNKERS UR 543609N 0214703E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 17-A
IDHS CODE: [] EPF CAT : 05A COMIREX NO: []

25X1
25X1

DIA IIM 5b3-71004-79 08 JAN 79 [] SEC CLASS: 13 MSN: [] 0001P

ACCN: 50860025X1

KALININGRAD/YEZAU AIRFIELD AIRCRAFT BUNKERS UR 543348N 0203610E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 57-C
IDHS CODE: [] EPF CAT : 05A COMIREX NO: []

25X1
25X1

DIA IIM 5b1-71005-79 05 JAN 79 [] SEC CLASS: 14D MSN: [] 0003P

ACCN: 50860025X1

CHEKNYSHEVKA ARMY BARRACKS ALI/EQUIPMENT STGE UR 441213N 1330919E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 8-C
IDHS CODE: [] EPF CAT : 35A COMIREX NO: []
CHERNYSHEVKA ARMY BARRACKS ALI/EQUIPMENT STGE UR 441213N 1330919E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 8-C
IDHS CODE: [] EPF CAT : 35F COMIREX NO: []

25X1
25X1

25X1
25X1

DIA IIM 5b3-71007-79 08 JAN 79 [] SEC CLASS: 13 MSN: [] 0006P

ACCN: 50860025X1

SIVERSKIY AIRFIELD TALM SUPPORT FACILITY UR 592250N 0300240E
WAC NO : [] BE/OBJ NO: [] NPIC NO : -
IDHS CODE: [] EPF CAT : 05A COMIREX NO: []
SIVERSKIY AIRFIELD TALM SUPPORT FACILITY UR 592250N 0300240E
WAC NO : [] BE/OBJ NO: [] NPIC NO : -
IDHS CODE: [] EPF CAT : 40J COMIREX NO: []

25X1

25X1

25X1

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

25X1

AF ENDR D3503-2-78 10 NOV 78 [] SEC CLASS: 13 MSN: 0001P ACCN: S086009 25X1

SARY SHAGAN MTC R+D COMPLEX OPTICAL DVC CMPNT UR 455200N 0733100E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 38-A
IUHS CODE: [] EPF CAT : 25C COMIREX NO: []

25X1
25X1

THIS DRAWING SUPPLEMENTS PARS 78-548, 78-636, AND 78-724.*

25X1

AF ENDR D1510-78 22 OCT 78 [] SEC CLASS: 13 MSN: 0001P ACCN: S086011 25X1

MISSILES, SS-18 GROUND SUPPORT EQUIPMENT BLDG UR
WAC NO : [] BE/OBJ NO: [] NPIC NO : -
IUHS CODE: [] EPF CAT : 40A COMIREX NO: []

THIS DRAWING SUPPLEMENTS PAR 78-682.*

25X1
25X1

1072
TOP SECRET CHESS RUFF



TOP SECRET CHESS RUFF



25X1

AF ENDR D6550-78 13 NOV 78 SEC CLASS: 13 MSN: 0001P ACCN: S08601 ^{25X1}

HSIAOPACHANG INDUSTRIAL FACILITY CH 313610N 1041855E
WAC NO : BE/OBJ NO: NPIC NO : - 116-A
IDHS CODE: EPF CAT : 30 COMIREX NO:

25X1
25X1

THIS DRAWING SUPERCEDES DRAWING 7406538 AND SUPPLEMENTS PAR 78-716.*



25X1

AF ENDR E6528-2-77 10 NOV 78 SEC CLASS: 13 MSN: 0001P ACCN: S08601 ^{25X1}

SARY SHAGAN MTC R+D CPLX LINEAR TEST FAC SUSP UR 455200N 0733100E
WAC NO : BE/OBJ NO: NPIC NO : - 38-A
IDHS CODE: EPF CAT : 40E COMIREX NO:

25X1
25X1

THIS DRAWING UPDATES DRAWING 75D6511 AND SUPPLEMENTS PARS 75-532, 77-662, 78-548, AND 78-724.*

AF ENDR E1021-78 13 SEP 78 SEC CLASS: 00 MSN: 0001P ACCN: S086016

SPACE, VENUS-10 SPACECRAFT + DESCENT CAPSULE UR
WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 40H COMIREX NO:

AF ENDR C1024-78 20 OCT 78 SEC CLASS: 05 MSN: 0001P ACCN: S086017

MISSILES, AS-4 UR
WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 40J COMIREX NO:

AF ENDR E1020-1-77 06 NOV 78 SEC CLASS: 07 MSN: 0001P ACCN: S086018

1073
TOP SECRET CHESS RUFF



25X1
25X1

TOP SECRET CHESS RUFF

25X1

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

THIS DRAWING SUPPLEMENTS DRAWINGS 76E1001,76E1002 AND 76E1013.*

AF ENDR E1025-78 27 NOV 78 SEC CLASS: 07 MSN: 0001P ACCN: S086019

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

THIS DRAWING SUPPLEMENTS DRAWING 76E1001.*

DIA IIM 5B1-71003-79 02 JAN 79 SEC CLASS: 14 MSN: 0014P ACCN: S086020 25X1

MOSKVA CIVIL DEFENSE SHELTER POSS UR 554006N 0372916E
WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 10A COMIREX NO:

25X1

25X1

ARMY PIM PIM006-79 14 DEC 78 SEC CLASS: 14E MSN: 0005P ACCN: S086022 25X1

YENLIANG RADIO COMMUNICATIONS STATION CH 343949N 1091349E
WAC NO : BE/OBJ NO: NPIC NO : - 21-A3
IDHS CODE: EPF CAT : 25D COMIREX NO:

25X1

25X1

THIS PHOTO INTERPRETATION MEMORANDUM (PIM) CONTAINS A DESCRIPTION OF THE YEN-LIANG RADCOM STATION, PEOPLE'S REPUBLIC OF CHINA. INCLUDED IN THIS REPORT IS AN ANNOTATED PHOTOGRAPH OF THE FACILITY'S ANTENNAS ALONG WITH DETAILED MENSURATION OF THE ANTENNAS AND THEIR ORIENTATIONS. INFORMATION IS CURRENT AS OF 14 SEPTEMBER 1978.

25X1

1074
TOP SECRET CHESS RUFF

25X1

25X1



TOP SECRET CHESS RUFF



25X1

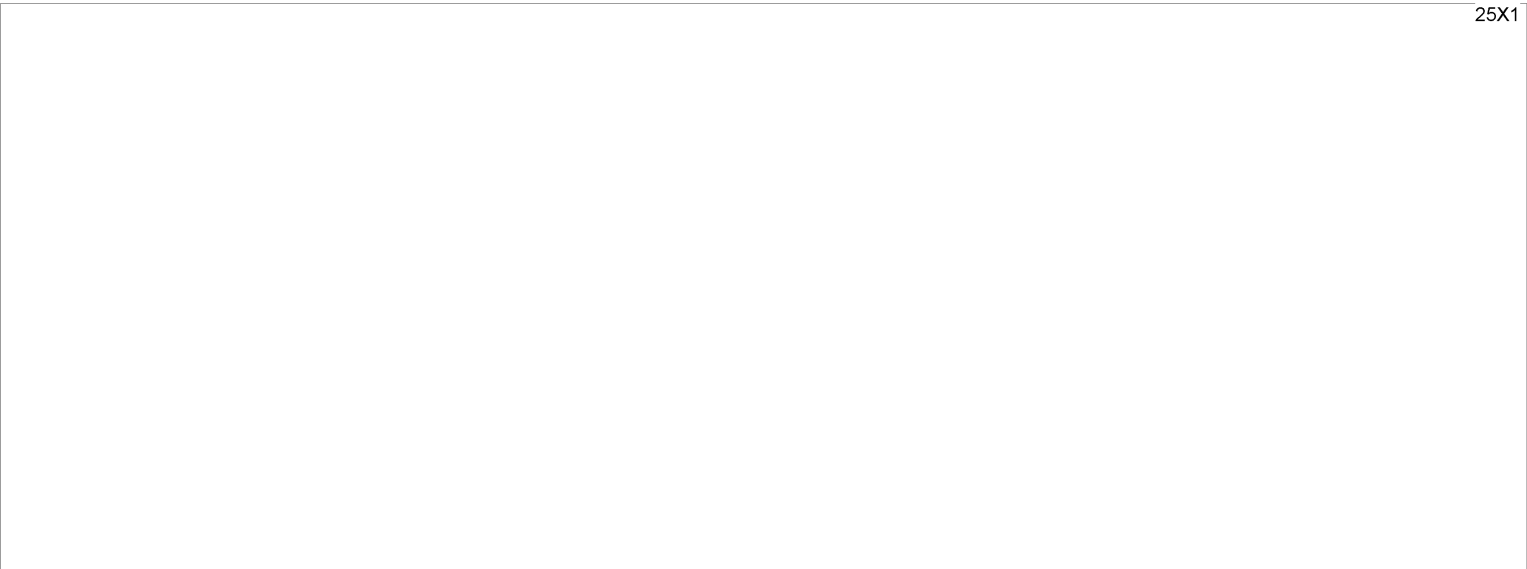
NINGPO ELINT FACIL PROB COMSAT STA DOMESTIC	CH	300600N 1213300E
WAC NO : <input type="text"/>	BE/OBJ NO: <input type="text"/>	NPIC NO : - 38-62
IDHS CODE: <input type="text"/>	EPF CAT : 25C	COMIREX NO: <input type="text"/>
NINGPO ELINT FACIL PROB COMSAT STA DOMESTIC	CH	300600N 1213300E
WAC NO : <input type="text"/>	BE/OBJ NO: <input type="text"/>	NPIC NO : - 38-62
IDHS CODE: <input type="text"/>	EPF CAT : 25A	COMIREX NO: <input type="text"/>

25X1
25X1

25X1
25X1

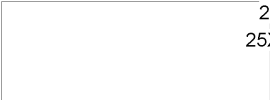
THIS PHOTO INTERPRETATION MEMORANDUM (PIM) CONTAINS A DESCRIPTION OF THE LUNG-SHAN PROB DOM COMSAT STA PEOPLE'S REPUBLIC OF CHINA. INCLUDED IN THIS REPORT ARE FIVE ANNOTATED PHOTOGRAPHS OF THE FACILITY'S ELINT ANTENNAS, AND NEW COMSAT ANTENNAS ALONG WITH DETAILED MENSURATION OF ANTENNAS AND THEIR ORIENTATIONS. INFORMATION IS CURRENT AS OF 9 OCTOBER 1978. THE FACILITY IS ALSO KNOWN AS NING-PO ELINT FACILITY PROBABLE.

25X1



25X1

1075
TOP SECRET CHESS RUFF



25X1
25X1

TOP SECRET CHESS RUFF

25X1

[Redacted]

25X1

ARMY PIM

PIM066-78 29 NOV 78

SEC CLASS: 14E MSN:

0004P

ACCN: S086027

25X1

SEPO RADIO RELAY STATION

WAC NO :
IDHS CODE:

BE/OBJ NO:
EPF CAT : 25D

KN 384220N 1272325E
NPIC NO : - 26-M1
COMIREX NO:

25X1
25X1

THIS PHOTO INTERPRETATION MEMORANDUM (PIM) CONTAINS A DESCRIPTION OF THE SEPO RADREL STATION, NORTH KOREA. INCLUDED IN THIS REPORT IS AN ANNOTATED PHOTOGRAPH OF THE FACILITY. THE PHOTOGRAPH DISPLAYS THE STATION'S ANTENNAS, ALONG WITH DETAILED MENSURATION OF THE SUPPORTING TOWER, AND THE ANTENNA ORIENTATIONS. INFORMATION IS CURRENT AS OF 20 APRIL 1978.



25X1

1076

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

25X1

NPIC MEMO [] 14 NOV 78 [] SEC CLASS: 13 MSN: 0002P ACCN: S0860325X1

PITSUN MILITARY RADIO COMMO STATION ANTENNAS CH 232213N 1130641E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 27-C
IDHS CODE: [] EPF CAT : 25D COMIREX NO:

25X1

THE AZIMUTHS OF THE ANTENNAS AT PI-TSUN MILITARY RADIO COMMUNICATIONS STATION WERE MEASURED ON []
IMAGERY OF [] THIS REPORT INCLUDES A TABLE OF THE AZIMUTHS IN DEGREES OF THE TWENTY
ANTENNAS WHICH WERE IDENTIFIED.*

25X1

25X1

25X1

NPIC MEMO [] 01 DEC 78 [] SEC CLASS: 13 MSN: 0001P ACCN: S0860325X1

NAMPO AAA SITE SUPPORT BUILDINGS KN 383430N 1250100E
WAC NO : [] BE/OBJ NO: [] NPIC NO : -
IDHS CODE: [] EPF CAT : 35D COMIREX NO:
NAMPO COASTAL DEFENSE CRUISE MISSILE SITE 1 KN 383422N 1250137E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 14-A
IDHS CODE: [] EPF CAT : 40K COMIREX NO: []

25X1

25X1

25X1

NPIC MEMO [] 08 DEC 78 [] SEC CLASS: 14A MSN: 0004P ACCN: S0860325X1

RAWALPINDI RADIO RELAY STATION PK 333720N 0725935E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 147
IDHS CODE: [] EPF CAT : 25D COMIREX NO:
UHANDA RADIO RELAY STATION PK 331210N 0725550E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 29
IDHS CODE: [] EPF CAT : 25D COMIREX NO:
MURID RADIO RELAY STATION PK 325540N 0724840E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 132-A
IDHS CODE: [] EPF CAT : 25D COMIREX NO:
SARGODHA RADIO RELAY STATION PK 320600N 0724100E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 106-B3

25X1

25X1

25X1

25X1

1077
TOP SECRET CHESS RUFF

25X1

25X1

TOP SECRET CHESS RUFF

25X1
25X1

IDHS CODE: []	EPF CAT : 25D	COMIREX NO:
CHINOT RADIO RELAY STATION		PK 314330N 0725930E
WAC NO : []	BE/OBJ NO: []	NPIC NO : - 114
IDHS CODE: []	EPF CAT : 25D	COMIREX NO:
LYALLPUR RADIO RELAY TERMINAL TOSHIBA		PK 312545N 0730619E
WAC NO : []	BE/OBJ NO: []	NPIC NO : - 106-C
IDHS CODE: []	EPF CAT : 25D	COMIREX NO:
SHEKUPURA RADIO RELAY TERMINAL SOUTH		PK 313645N 0735320E
WAC NO : []	BE/OBJ NO: []	NPIC NO : - 44
IDHS CODE: []	EPF CAT : 25D	COMIREX NO:
LAHORE RADIO RELAY TERMINAL TOSHIBA		PK 313340N 0741950E
WAC NO : []	BE/OBJ NO: []	NPIC NO : - 102-H
IDHS CODE: []	EPF CAT : 25D	COMIREX NO:

25X1
25X1
25X1
25X1
25X1
25X1

EIGHT MICROWAVE FACILITIES WERE IDENTIFIED BETWEEN LAHORE AND RAWALPINDI, PAKISTAN, AS A RESULT OF A DETAILED ANALYSIS OF THE AREA UTILIZING SATELLITE IMAGERY. FOR EACH OF THE FACILITIES, WHERE THE INTERPRETABILITY OF IMAGERY PERMITTED, GEOGRAPHIC COORDINATES OF THE FACILITY, HEIGHT OF THE TOWER, HEIGHT OF EACH DISH ON THE TOWER, DIAMETER OF EACH DISH, AND AZIMUTHS ARE PROVIDED IN A TABLE.*

25X1

NPIC MIPIR CA0017-79 17 JAN 79 [] SEC CLASS: 14 MSN: 0200P ACCN: S086036

25X1

MIPIR 011/017

WAC NO :	BE/OBJ NO:	NPIC NO : -
IDHS CODE:	EPF CAT : 15A	COMIREX NO:

AF PAR 729-78 05 NOV 78 [] SEC CLASS: 13 MSN: [] 0003P ACCN: S086037

25X1

MISSILES, FLAGON SU-15 ARMAMENT CRATES	UR	
WAC NO :	BE/OBJ NO:	NPIC NO : -
IDHS CODE:	EPF CAT : 40J	COMIREX NO:
AIRCRAFT, FLAGON SU-15 ARMAMENT CRATES	UR	
WAC NO :	BE/OBJ NO:	NPIC NO : -
IDHS CODE:	EPF CAT : 05D	COMIREX NO:

THIS REPORT ANALYZES PROBABLE ARMAMENT-ASSOCIATED SHIPPING CONTAINERS AT SOVIET FLAGON BASES. THESE CONTAINERS ARE SMALLER THAN THE ANAB (AA-3) MISSILE CONTAINERS.*

1078
TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

AF PAR 724-78 29 NOV 78 [] SEC CLASS: 13 MSN: 0005P ACCN: 50860325X1

SARY SHAGAN MTC R+D COMPLEX UR 455200N 0733100E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 38-A 25X1
IDHS CODE: [] EPF CAT : 40E COMIREX NO: [] 25X1

THIS REPORT AND DRAWINGS 77E6528/2 AND 78D3503 UPDATE PARS 75-532, 77-662, 78-548 AND 78-636 ON THE R+D COMPLEX AT SARY SHAGAN. TOPICS DISCUSSED INCLUDE DOME MOVEMENT, BURIED CONCRETE CELLS, SIZES OF BAYS AND STRUCTURAL MEMBERS IN THE NORTH AND SOUTH BUILDINGS, PRIME POWER LEADS, COOLING POND ACTIVITY, CRYOGEN AND UNUSUAL VEHICLE ACTIVITY SEARCH, TUNNEL SECTION ACTIVITY, AND SECURITY OF THE COMPLEX.*

AF PAR 700-78 20 NOV 78 [] SEC CLASS: 13 MSN: 0011P ACCN: 50860325X1

CHERNYAKHOVSK AIRFIELD A/C ORDNANCE DISPLAY UR 543609N 0214703E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 17-A 25X1
IDHS CODE: [] EPF CAT : 05A COMIREX NO: [] 25X1
SEVEROMORSK AIRFIELD A/C ORDNANCE DISPLAY UR 690152N 0332517E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 32 25X1
IDHS CODE: [] EPF CAT : 05A COMIREX NO: [] 25X1
MOSKVA/SHCHELKOVO AIRFIELD A/C ORD DISPLAY UR 555248N 0380347E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 51 25X1
IDHS CODE: [] EPF CAT : 05A COMIREX NO: [] 25X1

THIS REPORT GIVES THE DESCRIPTION AND SIZE OF ORDNANCE OBSERVED IN STATIC DISPLAYS AT MOSKVA/SHCHELKOVO, SEVEROMORSK AND CHERNYAKHOVSK AIRFIELDS. IT INCLUDES THE NUMBER AND PROBABLE TYPE OF ORDNANCE IN EACH ROW.*

25X1

AF PAR 734-78 19 DEC 78 [] SEC CLASS: 13 MSN: 0014P ACCN: 50860425X1

OLOVYANNAYA ICBM TRNG SITE 24X CALIB MARKERS UR 505116N 1155053E

1079
TOP SECRET CHESS RUFF

25X1

25X1

TOP SECRET CHESS RUFF

25X1
25X1

IDHS CODE: [] EPF CAT : 25C COMIREX NO: []
ELECTRONICS, MISSILE GUIDANCE/CALIB TEST FACs UR
WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 25C COMIREX NO:

25X1

THIS PAR PROVIDES AN UPDATED PHOTO ANALYSIS OF PAR 77-653, AN ANALYSIS OF ALL KNOWN SS-17, -18, AND -19 MISSILE GUIDANCE CALIBRATION TEST FACILITIES IN USSR. THERE WERE NO CHANGES AT THE TWELVE FACILITIES (ADDRESSED IN PAR 77-653) DURING THIS REPORTING PERIOD. ONE OF THESE FACILITIES, WITH SOME UNIQUE FEATURES, HAS BEEN NEWLY IDENTIFIED AT THE TYURATAM RADIO RELAY STATION AND TV CENTER. NONE OF THESE GUIDANCE FACILITIES WERE FOUND AT THE OLOVYANNAYA, GLADKAYA AND YOSHKAR OLA ICBM COMPLEXES NOR AT THE PLESETSK MISSILE TEST CENTER.*

AF PAR 732-78 04 DEC 78 [] SEC CLASS: 13 MSN: 0004P ACCN: 508604 25X1

KLYUCHI TRACKING FACILITY AUXILIARY UR 561735N 1604000E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 6-E 25X1
IDHS CODE: [] EPF CAT : 25C COMIREX NO: [] 25X1
KLYUCHI COMSAT STATION ORBITA UR 561823N 1605200E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 6-B2 25X1
IDHS CODE: [] EPF CAT : 25C COMIREX NO: []
KLYUCHI RADIO COMMUNICATIONS XMTR STATION 2 UR 561542N 1604652E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 6-C 25X1
IDHS CODE: [] EPF CAT : 25D COMIREX NO: [] 25X1
KLYUCHI RADIO COMMUNICATIONS XMTR STATION 1 UR 561825N 1605038E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 6 25X1
IDHS CODE: [] EPF CAT : 25D COMIREX NO: [] 25X1

THIS REPORT ON COMMUNICATIONS AND INSTRUMENTATION FACILITIES IN THE KLYUCHI AREA UPDATES PARS 77-586, 77-704 + 77-705.*

AF PAR 708-78 08 DEC 78 [] SEC CLASS: 13 MSN: 0011P ACCN: 508604 25X1

YELOVKA SPACE TRACKING FACILITY NNE UR 571424N 1613140E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 27-A 25X1
IDHS CODE: [] EPF CAT : 25C COMIREX NO: [] 25X1
UKA/KAMCHATKA HEN EGG IMPACT TRACKING FACIL A UR 575615N 1620120E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 17-A1 25X1
IDHS CODE: [] EPF CAT : 25C COMIREX NO: [] 25X1
KAMCHATKA MISSILE INSTRUMENTATION SITE 6 UR 570142N 1620114E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 25X1
IDHS CODE: [] EPF CAT : 25C COMIREX NO: []
KAMCHATKA MISSILE IMPACT AREA NU A UR 570830N 1620244E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 61-A 25X1

1081
TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

IDHS CODE: [] EPF CAT : 40 COMIREX NO: []

25X1

THIS REPORT PROVIDES AN UPDATE OF PAR 75-572 ON SELECTED KAMCHATKA IMPACT AREA ELECTRONIC FACILITIES *

AF PAR 731-78 08 DEC 78 [] SEC CLASS: 13 MSN: 0003P ACCN: S086044

25X1

PLESETSK MTC ICBM SITE 21 SS-16 ACTIVITY POSS UR 625823N 0412408E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 27-R5
IDHS CODE: [] EPF CAT : 40A COMIREX NO: []
PLESETSK MTC ICBM SITE 11 SS-16 ACTIVITY POSS UR 625732N 0412650E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 27-K6
IDHS CODE: [] EPF CAT : 40A COMIREX NO: []

25X1

25X1

25X1

25X1

THIS REPORT GIVES AN ANALYSIS OF ACTIVITY AT PLESETSK ICBM LAUNCH SITE 11 AND PLESETSK ICBM LAUNCH SITE 21. LATEST IMAGERY USED WAS []

25X1

25X1

AF PAR 737-78 13 DEC 78 [] SEC CLASS: 13 MSN: 0002P ACCN: S086046

25X1

TYURATAM MTC GUIDANCE RELATED FACILITIES UR 455637N 0632755E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 6
IDHS CODE: [] EPF CAT : 25C COMIREX NO: []

25X1

25X1

THIS REPORT ANALYZES THE GUIDANCE RELATED ELECTRONICS FACILITIES AT THE TYURATAM MISSILE/SPACE TEST CENTER. IT EXAMINES THE CURRENT STATUS OF THE BASELINE ELECTRONICS AND ANY NE AZIMUTH MARKERS OR GUIDANCE RELATED ELECTRONICS.*

AF PAR 742-78 18 DEC 78 [] SEC CLASS: 13 MSN: [] 0002P ACCN: S086047

25X1

MOGILEV AIR FORCE METEOROLOGICAL SCHOOL UR 535335N 0301925E
WAC NO : [] BE/OBJ NO: [] NPIC NO : -
IDHS CODE: [] EPF CAT : 35B COMIREX NO: []

25X1

IMAGERY OF MOGILEV, USSR WAS SEARCHED FOR THE MOGILEV SOVIET AIR FORCE JUNIOR METEOROLOGICAL SCHOOL.

1082

TOP SECRET CHESS RUFF

25X1

25X1

[Redacted]

TOP SECRET CHESS RUFF

[Redacted]

[Redacted]

25X1

[Redacted]

25X1

AF PAR 723-78 28 NOV 78 [Redacted] SEC CLASS: 13 MSN: 0002P ACCN: 50860425X1

KOZHANOVICHI MOBILE IRBM BASE 1 SS-20 FACILS UR 521121N 0274807E
WAC NO : [Redacted] BE/OBJ NO: [Redacted] NPIC NO : - 156-B3
IDHS CODE: [Redacted] EPF CAT : 40B COMIREX NO: [Redacted]

25X1

25X1

THIS REPORT ON SS-4 (MRBM) FACILITIES PRESENTLY ASSOCIATED WITH THE SS-20 (IRBM) MOBILE SYSTEM IS SUPPLEMENTED BY DRAWING 78E6551.*

[Large Redacted Block]

25X1

AF ENDR D6554-78 28 NOV 78 [Redacted] SEC CLASS: 13 MSN: 0001P ACCN: 50860525X1

PERM SSM COMPLEX SS-11 PRPLNT TRF FACIL MODIF UR 573558N 0561511F
WAC NO : [Redacted] BE/OBJ NO: [Redacted] NPIC NO : - 16-L
IDHS CODE: [Redacted] EPF CAT : 40A COMIREX NO: [Redacted]

25X1

25X1

AF ENDR D6553-78 20 NOV 78 [Redacted] SEC CLASS: 13 MSN: 0001P ACCN: 50860525X1

CHEMNOMORSKOYE MISSILE TEST + EVALUATION FAC UR 450116N 0355748F
WAC NO : [Redacted] BE/OBJ NO: [Redacted] NPIC NO : - 11
IDHS CODE: [Redacted] EPF CAT : 40E COMIREX NO: [Redacted]

25X1

25X1

THIS DRAWING SUPPLEMENTS PAR 78-728.*

AF ENDR D6509-2-76 15 DEC 78 [Redacted] SEC CLASS: 13 MSN: 0001P ACCN: 50860525X1

KAPUSTIN YAR MTC SITE C1 ALIGNMENT/GDNC FACIL UR 483658N 0461800E
WAC NO : [Redacted] BE/OBJ NO: [Redacted] NPIC NO : - 10-A1

25X1

1083

TOP SECRET CHESS RUFF

[Redacted]

[Redacted]

25X1

25X1

[Redacted]

TOP SECRET CHESS RUFF [Redacted]

[Redacted]

25X1
25X1

IUHS CODE: [Redacted] EPF CAT : 25C COMIREX NO: [Redacted]

25X1

THIS DRAWING SUPPLEMENTS PAR 78-741.*

AF ENDR D6524-1-77 01 DEC 78 [Redacted] SEC CLASS: 13 MSN: [Redacted] 0001P

ACCN: S086054 25X1

TATISHCHEVO ICBM TRNG SITE 35X GDNC/CALIBR FAC UR 514157N 0453248E
WAC NO : [Redacted] BE/OBJ NO: [Redacted] NPIC NO : - 49-D1
IUHS CODE: [Redacted] EPF CAT : 25C COMIREX NO: [Redacted]

25X1
25X1

THIS DRAWING SUPPLEMENTS PAR 78-734.*

AF ENDR D6525-1-77 01 DEC 78 [Redacted] SEC CLASS: 13 MSN: [Redacted] 0001P

ACCN: S086055 25X1

YEDROVO ICBM RTP GUIDANCE/CALIBRATION FACIL UR 575220N 0333907E
WAC NO : [Redacted] BE/OBJ NO: [Redacted] NPIC NO : - 72-A3
IUHS CODE: [Redacted] EPF CAT : 25C COMIREX NO: [Redacted]

25X1
25X1

THIS DRAWING SUPPLEMENTS PAR 78-734.*

AF ENDR E6551-78 30 NOV 78 [Redacted] SEC CLASS: 13 MSN: [Redacted] 0001P

ACCN: S086056 25X1

MISSILES, SS-20 MOBILE IRBM BASE FACIL LAYOUT UR
WAC NO : [Redacted] BE/OBJ NO: [Redacted] NPIC NO : -
IUHS CODE: [Redacted] EPF CAT : 40B COMIREX NO: [Redacted]

THIS DRAWING SUPPLEMENTS PARS 78-723 + 78-721.*

NPIC MEMO [Redacted] 11 JAN 79 [Redacted] SEC CLASS: 14B MSN: [Redacted] 0002P

ACCN: S086057 25X1

SEVAN RADIO RELAY STATION UR 403235N 0445627E
WAC NO : 0325 BE/OBJ NO: [Redacted] NPIC NO :
IUHS CODE: [Redacted] EPF CAT : 25D COMIREX NO: [Redacted]

25X1

THIS MEMO DESCRIBES THE SEVAN RADIO RELAY STATION. IMAGERY USED WAS [Redacted]

25X1

NPIC MEMO [Redacted] 11 JAN 79 [Redacted] SEC CLASS: 14B MSN: [Redacted] 0002P

ACCN: S086058 25X1

UFA RADIO RELAY STATION UR 544416N 0555839E
WAC NO : [Redacted] BE/OBJ NO: [Redacted] NPIC NO : - 30-J3
IUHS CODE: [Redacted] EPF CAT : 25D COMIREX NO: [Redacted]

25X1
25X1

1084
TOP SECRET CHESS RUFF [Redacted]

[Redacted]

25X1
25X1

TOP SECRET CHESS RUFF

25X1

THIS MEMO DESCRIBES THE CURRENT STATUS OF UFA RADIO RELAY STATION AND GIVES THE DISTANCE FROM THE UFA TV CENTER. IMAGERY USED WAS

25X1

NPIC MEMO 12 JAN 79 SEC CLASS: 14B MSN: 0002P

ACCN: 508605

SHCHEMILOVO RADIO RELAY STATION SEARCH UR 554840N 0389500E
 WAC NO : BE/OBJ NO: NPIC NO : -
 IDHS CODE: EPF CAT : 25D COMIREX NO:
 SHCHEMILOVO RADIO RELAY STATION SEARCH UR 554840N 0389500E
 WAC NO : BE/OBJ NO: NPIC NO : -
 IDHS CODE: EPF CAT : 25D COMIREX NO:
 KUROVSKOY RADIO RELAY STATION SEARCH UR 553445N 0385500E
 WAC NO : BE/OBJ NO: NPIC NO : -
 IDHS CODE: EPF CAT : 25D COMIREX NO:
 KUPAVNA RADIO RELAY STATION SEARCH UR 554440N 0380735E
 WAC NO : BE/OBJ NO: NPIC NO : -
 IDHS CODE: EPF CAT : 25D COMIREX NO:
 GOLUTVIN RADIO RELAY STATION SEARCH UR 550630N 0385310E
 WAC NO : BE/OBJ NO: NPIC NO : -
 IDHS CODE: EPF CAT : 25D COMIREX NO:
 FRYAZEVO RADIO RELAY STATION SEARCH UR 554402N 0382730E
 WAC NO : BE/OBJ NO: NPIC NO : -
 IDHS CODE: EPF CAT : 25D COMIREX NO:

25X1

25X1

25X1

25X1

25X1

25X1

NPIC MEMO 12 JAN 79 SEC CLASS: 14B MSN: 0002P

ACCN: 508606

CHEBOKSARY TV CENTER UR 560655N 0471522E
 WAC NO : BE/OBJ NO: NPIC NO : - 1-A1
 IDHS CODE: EPF CAT : 25B COMIREX NO:
 PENZA TV + FM BROADCAST CENTER UR 531110N 0445900E
 WAC NO : BE/OBJ NO: NPIC NO : - 17-S
 IDHS CODE: EPF CAT : 25B COMIREX NO:
 YOSHKAR OLA RADIO RELAY + TV CENTER UR 563840N 0475230E
 WAC NO : BE/OBJ NO: NPIC NO : - 15-A1
 IDHS CODE: EPF CAT : 25D COMIREX NO:
 YOSHKAR OLA RADIO RELAY + TV CENTER UR 563840N 0475230E
 WAC NO : BE/OBJ NO: NPIC NO : - 15-A1
 IDHS CODE: EPF CAT : 25B COMIREX NO:
 STARAYA TYURLEMA RADIO RELAY STATION UR 554545N 0481355E
 WAC NO : BE/OBJ NO: NPIC NO : - 14-X3
 IDHS CODE: EPF CAT : 25D COMIREX NO:

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

A REVIEW OF OCTOBER, NOVEMBER, AND DECEMBER 1978, WAS DONE TO IDENTIFY ANTENNA TYPES AND

25X1

1085
TOP SECRET CHESS RUFF

25X1

25X1

TOP SECRET CHESS RUFF

25X1
25X1

ORIENTATIONS AT STARAYA TYURLEMA RADIO-RELAY STATION, CHEBOKSARY TV CENTER, YOSHKAR OLA RADIO-RELAY AND TV CENTER, AND PENZA TV AND FM BROADCAST CENTER.*

25X1

NPIC MEMO [] 12 JAN 79 [] SEC CLASS: 14B MSN: 0002P ACCN: S086062 25X1

VATUTINKI RADIO COMMUNICATIONS RECEIVER CPLX UR 552935N 0372111E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 49-A
IDHS CODE: [] EPF CAT : 25D COMIREX NO: []

25X1
25X1

THIS MEMO DESCRIBES THE ACTIVITY AT VATUTINKI MILITARY RADIO COMMUNICATIONS RECEIVER COMPLEX. KEYHOLE IMAGERY SINCE 1971 WAS USED FOR THIS PROJECT.*

NPIC MEMO [] 12 JAN 79 [] SEC CLASS: 14B MSN: [] 0002P ACCN: S086063 25X1

UZHGOROD RADIO RELAY/TV RELAY STATION UR 483821N 0222839E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 202-F1
IDHS CODE: [] EPF CAT : 25D COMIREX NO:
UZHGOROD RADIO RELAY/TV RELAY STATION UR 483821N 0222839E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 202-F1
IDHS CODE: [] EPF CAT : 25B COMIREX NO:
SKOLE RADIO RELAY STATION UR 490300N 0232410E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 306-A
IDHS CODE: [] EPF CAT : 25D COMIREX NO: []

25X1

25X1

25X1
25X1

THIS MEMO GIVES THE NUMBER, TYPE, AND ORIENTATION OF ANTENNAS AT SKOLE RADIO RELAY STATION AND UZHGOROD RADIO RELAY AND TV RELAY STATION TOKARNYA GORA. IMAGERY USED WAS []

25X1

DIA IIM 5B1-71032-79 12 JAN 79 [] SEC CLASS: 14 MSN: [] 0002P ACCN: S086064 25X1

25X1

1086
TOP SECRET CHESS RUFF

25X1
25X1

[Redacted]

TOP SECRET CHESS RUFF

[Redacted]

[Redacted]

25X1

DIA IIM 581-71028-79 08 JAN 79

[Redacted]

SEC CLASS: 14

MSN:

[Redacted]

0003P

ACCN: S08606

25X1

KRIVOUY ROG AVTOKOLONNA 2248

WAC NO :

[Redacted]

BE/OBJ NO:

[Redacted]

UR 475335N 0331948E

NPIC NO : -

IDHS CODE:

[Redacted]

EPF CAT : 85A

COMIREX NO:

25X1

25X1

[Large Redacted Area]

1087

TOP SECRET CHESS RUFF

[Redacted]

[Redacted]

25X1

25X1

Page Denied

Next 1 Page(s) In Document Denied

[Redacted]

TOP SECRET CHESS RUFF

[Redacted]

[Redacted]

25X1
25X1

[Large Redacted Area]

25X1

NPIC BIIR RCA02-0001-78

JAN 79

[Redacted]

SEC CLASS: 14B

MSN: [Redacted]

0004P

ACCN: S086082

25X1

MOSKVA COMSAT STATION E15

WAC NO : [Redacted]

IDHS CODE: [Redacted]

BE/OBJ NO: [Redacted]

EPF CAT : 25C

UR 550900N 0382200E

NPIC NO : - 122-E1

COMIREX NO: [Redacted]

25X1

25X1

ACTIVITY AT MOSKVA ABM LAUNCH COMPLEX E15 (MOSKVA E15 COMSAT STATION) FROM [Redacted]

INCLUDED THE FOLLOWING:

25X1

25X1

25X1

TWO UNMOUNTED DISH ANTENNAS, ONE [Redacted] AND ONE 12 METERS, FABRICATED ADJACENT TO ANTENNA BUILDINGS 1 AND 3, RESPECTIVELY;

A 12-METER DISH ANTENNA MOUNTED ON ANTENNA BUILDING 3;

A 30-METER-DIAMETER RADOME CONSTRUCTED ON THE GROUND ADJACENT TO ANTENNA BUILDING 2;

A SECOND BUNKER UNDER CONSTRUCTION ADJACENT TO COMPLETED BUNKER 1; AND

TWO PREVIOUSLY REPORTED BUILDINGS IN THE COMPLEX SUPPORT AREA COMPLETED AND TWO ADDITIONAL BUILDINGS UNDER CONSTRUCTION.

THIS REPORT CONTAINS ONE ANNOTATED PHOTOGRAPH AND UPDATES THE PORTION OF NPIC REPORT [Redacted] WHICH DISCUSSES MOSKVA ABM LAUNCH COMPLEX E15.

25X1

1090

TOP SECRET CHESS RUFF

[Redacted]

[Redacted]

25X1

25X1

TOP SECRET CHESS RUFF

25X1

25X1

NPIC PIR PIR049-78 JAN 79 SEC CLASS: 25B MSN: 0024P ACCN: 508608425X1

MISSILES, SS-16/20 DEVELOPMENTS FEB-NOV 1978	UR
WAC NO :	BE/OBJ NO:
IDHS CODE:	EPF CAT : 40A
MISSILES, SS-16/20 DEVELOPMENTS FEB-NOV 1978	UR
WAC NO :	BE/OBJ NO:
IDHS CODE:	EPF CAT : 40B
	NPIC NO : -
	COMIREX NO:
	NPIC NO : -
	COMIREX NO:

THIS REPORT SUMMARIZES SIGNIFICANT MOBILE MISSILE-RELATED ACTIVITY SEEN ON IMAGERY OF 16 DEPLOYED MOBILE IRBM BASES, TWO OFFENSIVE MISSILE TEST CENTERS, A PRODUCTION FACILITY, A RESEARCH/TRAINING FACILITY, AND SEVERAL COMMAND AND CONTROL FACILITIES IN THE USSR FROM MID-FEBRUARY THROUGH 3 NOVEMBER 1978. TRENDS AND DEVELOPMENTS APPARENT IN THE CONSTRUCTION OF THE MOBILE BASES ARE ALSO DISCUSSED. THIS REPORT UPDATES A PREVIOUS NPIC REPORT, AND INCLUDES A LOCATION MAP, 12 ANNOTATED PHOTOGRAPHS,

25X1

1091
TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

FOUR TABLES, AND A CHART.

CIA NOTE ISSN0001J-79 05 JAN 79 [] SEC CLASS: 25 MSN: 0013P ACCN: S086085 25X1

INDUSTRY, PETROLEUM REFINERIES EXPANSION	RO		
WAC NO :	BE/OBJ NO:	NPIC NO :	-
IDHS CODE:	EPF CAT : 30B	COMIREX NO:	
PAENGM RI PETROLEUM REFINERY		KN 400420N	1243245E
WAC NO :	BE/OBJ NO:	NPIC NO :	- 73-D2
IDHS CODE:	EPF CAT : 30B	COMIREX NO:	[]
INDUSTRY, OIL EXPLORATION		KN	
WAC NO :	BE/OBJ NO:	NPIC NO :	-
IDHS CODE:	EPF CAT : 30A	COMIREX NO:	
MISSILES, SSM EXERCISES		CH	
WAC NO :	BE/OBJ NO:	NPIC NO :	-
IDHS CODE:	EPF CAT : 40	COMIREX NO:	
TIENWEI MTC SSM SITE LAUNCH PREPARATIONS		CH 255520N	1024928E
WAC NO :	BE/OBJ NO:	NPIC NO :	- 14
IDHS CODE:	EPF CAT : 40E	COMIREX NO:	[]
MILITARY, COMBAT DIVISION NEW TYPE IDENT		UR	
WAC NO :	BE/OBJ NO:	NPIC NO :	-
IDHS CODE:	EPF CAT : 35	COMIREX NO:	
NIKOLAYEV SHIPYARD 445 445F/KARA CLASS CG U/C		UR 465840N	0320019E
WAC NO :	BE/OBJ NO:	NPIC NO :	- 46-C
IDHS CODE:	EPF CAT : 75E	COMIREX NO:	[]
PAVLOGRAD SOLID MOTOR TEST FAC RKT MTR EXPLOR		UR 482605N	0355817E
WAC NO :	BE/OBJ NO:	NPIC NO :	- 30-C3
IDHS CODE:	EPF CAT : 40E	COMIREX NO:	[]
TYURATAM MTC SPACE SHUTTLE FACILS PROB U/C		UR 455637N	0632755E
WAC NO :	BE/OBJ NO:	NPIC NO :	- 6
IDHS CODE:	EPF CAT : 40H	COMIREX NO:	[]

NPIC PIR PIR054-78 JAN 79 [] SEC CLASS: 25B MSN: 0005P ACCN: S086086 25X1

KOSTROMA SSM COMPLEX GROUP I ACTIVITY SUMMARY	UR 574345N	0413758E	
WAC NO :	BE/OBJ NO:	NPIC NO :	- 29-B
IDHS CODE:	EPF CAT : 40	COMIREX NO:	[]

DURING THE PERIOD [] ACTIVITY WAS OBSERVED AT SIX OF THE TEN LAUNCH SITES IN THE I GROUP AT KOSTROMA SSM COMPLEX IN THE USSR. CONVERSION OF THIS GROUP FROM TYPE III-D (SS-11) TO TYPE III-H (SS-17) WAS COMPLETED IN DECEMBER 1977. FROM DECEMBER 1977 TO JUNE 1978, LITTLE OR NO ACTIVITY WAS OBSERVED IN THIS GROUP.

1092 TOP SECRET CHESS RUFF

25X1 25X1

TOP SECRET CHESS RUFF

25X1

CIA IRP IS10284J-78 JAN 79 SEC CLASS: 25 MSN: 0010P ACCN: 508608725X1

PHOTO, SIGNATURE COMPS CUBAN/ETHIOPIAN UNITS	ET
WAC NO :	BE/OBJ NO:
IDHS CODE:	EPF CAT : 65
PHOTO, SIGNATURE COMPS CUBAN/ETHIOPIAN UNITS	CU
WAC NO :	BE/OBJ NO:
IDHS CODE:	EPF CAT : 65
MILITARY, COMBAT BRIGADE TO+E CUBAN/ETHIOPIAN	ET
WAC NO :	BE/OBJ NO:
IDHS CODE:	EPF CAT : 35

REPEITIVE SATELLITE COVERAGE OF ETHIOPIA, CORRELATED WITH COMMUNICATIONS INTERCEPTS AND HUMAN-SOURCE REPORTS, HAS MADE IT POSSIBLE TO DISTINGUISH ON IMAGERY--WITH A HIGH DEGREE OF CONFIDENCE--BETWEEN COMBAT MANEUVER BRIGADES OF THE CUBAN EXPEDITIONARY FORCE AND ETHIOPIAN UNITS.

25X1
25X1

CONTRAST, ETHIOPIAN COMBAT MANEUVER BRIGADES ARE EQUIPPED WITH CARGO TRUCKS, OLDER MODEL T-34, M-41, AND M-47 TANKS, AND SOME T-54/55 AND M-60 TANKS. THEY DO NOT APPEAR TO BE HIGHLY ORGANIZED, DO NOT DISPLAY RIGID UNIT INTEGRITY, AND HAVE NOT, TO DATE, BEEN OBSERVED ON PHOTOGRAPHY PRACTICING MODERN OFFENSIVE TACTICS. THERE IS NOT A SUFFICIENT DATA BASE AT THIS TIME TO DIFFERENTIATE BETWEEN CUBAN AND ETHIOPIAN ARTILLERY BRIGADES--THE ONLY OTHER TYPE OF CUBAN GROUND FORCE UNIT BELIEVED TO BE IN ETHIOPIA.

NPIC PIR PIR05U-78 DEC 78 SEC CLASS: 14B MSN: 0008P ACCN: 508608825X1

SEMIPALATINSK NWPG DEGELEN 2 U/G TEST ACT	UR	494910N 0780635E
WAC NO :	BE/OBJ NO:	NPIC NO : - 33-E
IDHS CODE:	EPF CAT : 55A	COMIREX NO:

25X1
25X1

BETWEEN LATE DECEMBER 1977 AND THE LATTER PART OF SEPTEMBER 1978, AN UNUSUALLY CONFIGURED TEST LOCATION IN THE SEMIPALATINSK DEGELEN MOUNTAIN TEST AREA WAS PREPARED AND USED FOR AN UNDERGROUND NUCLEAR TEST. MANY OF THE FEATURES AT THIS LOCATION HAD NOT PREVIOUSLY BEEN SEEN AT ANY SOVIET TEST SITE AND INDICATED THAT AN UNUSUAL TEST WAS PLANNED. ALTHOUGH THE ACTUAL DETONATION OCCURRED UNDER-GROUND, SEVERAL ITEMS POSITIONED OUTSIDE THE TEST TUNNEL WERE APPARENTLY SUBJECTED TO SOME FORM OF ENERGY. A REVIEW OF POSTTEST IMAGERY, HOWEVER, DID NOT SHOW ANY DISCERNIBLE DAMAGE OR DEBRIS OUTSIDE THE TUNNEL EXCEPT FOR THE USUAL TEST-RELATED SURFACE DISTURBANCES ON THE TEST PEAK. THE EVIDENCE DERIVED FROM THE PRE- AND POSTTEST IMAGERY SUGGESTS THAT THE TEST WAS AN EFFECTS EXPERIMENT; HOWEVER, ITS EXACT NATURE HAS NOT YET BEEN CONFIRMED.

25X1

1093
TOP SECRET CHESS RUFF

25X1
25X1

Page Denied

Next 2 Page(s) In Document Denied

TOP SECRET CHESS RUFF

25X1
25X1

MILITARY, GROUND FORCES REDEPLOYED WESTERN MD EG
WAC NO : BE/OBJ NO: NPIC NO :
IDHS CODE: EPF CAT : 35 COMIREX NO:

SINCE LATE AUGUST 1978 THE EGYPTIAN ARMY REDEPLOYED THE REMAINING ELEMENTS OF THE 4TH ARMORED DIVISION FROM THE SUEZ CANAL FRONT TO THE WESTERN MILITARY DISTRICT. THIS TRANSFER OF FORCES INCLUDED THE 125TH ARMORED BRIGADE, THE 6TH MECHANIZED INFANTRY BRIGADE, THE 45TH ARTILLERY BRIGADE AND DIVISION SUPPORT UNITS. PRIOR TO AUGUST, THE 3RD ARMORED BRIGADE WAS THE ONLY UNIT SUBORDINATE TO THE 4TH ARMORED DIVISION IN THE WESTERN MILITARY DISTRICT. AS OF [] PHOTOGRAPHY, OIA HAS IDENTIFIED ONE ARMORED DIVISION, ONE ARMORED BRIGADE, ONE MARINE BRIGADE, ONE ARTILLERY REGIMENT, ONE BORDER DEFENSE UNIT, FOUR AIR DEFENSE BRIGADES, AND ONE FIGHTER AIRCRAFT SQUADRON IN THE WESTERN MILITARY DISTRICT.

25X1

CIA INFR IS10275K-78 13 DEC 78 [] SEC CLASS: 13 MSN: 0021P ACCN: S086103-25X1

MILITARY, EQUIPMENT DELIVERIES SOVIET MZ
WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 35 COMIREX NO:

THE SOVIET UNION HAS BEEN ASSISTING THE ARMY OF MOZAMBIQUE IN ITS TRANSITION FROM AN INSURGENT FORCE TO A CONVENTIONAL ARMY. SINCE 1 APRIL 1977, THE SOVIET UNION HAS PROVIDED MOZAMBIQUE WITH TRANSPORT AIRCRAFT, HELICOPTERS, TANKS, ARMORED PERSONNEL CARRIERS, FIELD AND AIR DEFENSE ARTILLERY, ROCKET LAUNCHERS, AND ENGINEER EQUIPMENT.

CIA INFR IS10274K-78 14 DEC 78 [] SEC CLASS: 13 MSN: 0005P ACCN: S086104-25X1

PAENGMARI PETROLEUM REFINERY OPERATIONAL KN 400420N 1243245E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 73-D2
IDHS CODE: [] EPF CAT : 30B COMIREX NO: []
INDUSTRY, OIL EXPLORATION/PROCESSING ACTIVITY KN
WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 30A COMIREX NO:
INDUSTRY, OIL EXPLORATION/PROCESSING ACTIVITY KN
WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 30B COMIREX NO:

25X1
25X1

SATELLITE PHOTOGRAPHY SHOWS THAT OIL EXPLORATION ACTIVITY HAS BEEN CONTINUING SINCE THE LATE 1960S AT ONE AREA ON THE WEST COAST OF NORTH KOREA AND SINCE 1976 AT ANOTHER LOCATION IN KOREA BAY WEST OF CHO-DO ISLAND. ALSO, THE NEW REFINERY AT PAENGMARI, WHICH WAS BUILT WITH CHINESE AID AND PROCESSES CHINESE CRUDE OIL, HAS BEEN OBSERVED IN OPERATION FOR THE FIRST TIME. IT IS NORTH KOREA'S SECOND REFINERY AND DOUBLES THE COUNTRY'S REFINERY CAPACITY.

CIA INFR IS10279J-78 18 DEC 78 [] SEC CLASS: 24 MSN: 0009P ACCN: S086105-25X1

1097
TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

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 OBSERVED ON SATELLITE IMAGERY FROM [REDACTED] THIS REPORT ALSO DESCRIBES ANY UNUSUAL DEPLOYMENT OF NAVAL BALLISTIC-MISSILE AND LONG-RANGE, CRUISE-MISSILE LAUNCH PLATFORMS OBSERVED DURING THE REPORTING PERIOD.

25X1
25X1

CIA INFR IS10285K-78 21 DEC 78 [REDACTED] SEC CLASS: 13 MSN: 0007P ACCN: 5086106

25X1

MILITARY, ACTIVITY INCREASE SOUTH AFRICAN WA
WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 35 COMIREX NO:

NOVEMBER 1978 PHOTOGRAPHY OF SOUTH AFRICAN MILITARY INSTALLATIONS IN NORTHERN NAMIBIA SHOWS INCREASES IN NUMBERS OF ARTILLERY, ARMORED CARS, VEHICLES, AIRCRAFT, TENTS AND BUILDINGS. NEW MILITARY CONSTRUCTION ACTIVITY WAS OBSERVED IN THE KATIMA MULILO AREA.

CIA INFR IS10286K-78 26 DEC 78 [REDACTED] SEC CLASS: 13 MSN: 0012P ACCN: 5086107

25X1

NIKOLAYEV PORT FACILITIES SOUTH ARMS SHPMTS UR 464958N 0315659E
WAC NO : [REDACTED] BE/OBJ NO: [REDACTED] NPIC NO : - 46-I5
IDHS CODE: [REDACTED] EPF CAT : 75I COMIREX NO: [REDACTED]
NIKOLAYEV PORT FACILITIES SOUTH ARMS SHPMTS UR 464958N 0315659E
WAC NO : [REDACTED] BE/OBJ NO: [REDACTED] NPIC NO : - 46-I5
IDHS CODE: [REDACTED] EPF CAT : 35 COMIREX NO: [REDACTED]

25X1

25X1

25X1

25X1

DURING THE FIRST EIGHT MONTHS OF 1978, THE SOVIETS STEADILY SHIPPED A LARGE AMOUNT OF MILITARY EQUIPMENT THROUGH THEIR ARMS TRANSFER FACILITY AT NIKOLAYEV PORT FACILITIES SOUTH. OIA IDENTIFIED TANKS, ARMORED PERSONNEL CARRIERS, FIELD ARTILLERY, ANTI-AIRCRAFT ARTILLERY, AIRCRAFT CRATES, SURFACE-TO-AIR MISSILE EQUIPMENT, TACTICAL SURFACE-TO-SURFACE MISSILE EQUIPMENT, AND ENGINEERING EQUIPMENT BEING SHIPPED FROM THE PORT. THESE SHIPMENTS ALSO INCLUDED HIND ATTACK HELICOPTER CRATES AND 152-MM SELF-PROPELLED GUNS. THIS WAS THE FIRST TIME THAT THESE TWO MODERN SOVIET WEAPON SYSTEMS WERE DETECTED BEING EXPORTED TO THIRD WORLD NATIONS.

OIA'S ANALYSIS INDICATES THAT IRAQ, ETHIOPIA, LIBYA, SYRIA, AND ALGERIA WERE THE MAJOR THIRD WORLD RECIPIENTS OF SOVIET ARMS IN THE FIRST EIGHT MONTHS OF 1978.

CIA INFR IS10277K-78 30 NOV 78 [REDACTED] SEC CLASS: 13 MSN: 0025P ACCN: 5086108

25X1

MILITARY, CUBAN TROOPS POSS UR
WAC NO : BE/OBJ NO: NPIC NO :
IDHS CODE: EPF CAT : 35 COMIREX NO:

1098

TOP SECRET CHESS RUFF

25X1

25X1

[Redacted]

TOP SECRET CHESS RUFF [Redacted]

[Redacted]

25X1
25X1

MILITARY, GROUND FORCES ACTIVITY SUMMARY MR 1 AO
WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 35 COMIREX NO:

THE MAJOR GROUND FORCE INSTALLATIONS IN ANGOLA'S MILITARY REGION 1 ARE IN THE AREAS OF LUANDA, NEGAGE, UIGE (FORMERLY CARMONA), SAZAIRE (FORMERLY SANTO ANTONIO DO ZAIRE), AND AMBRIZETE. OIA SAW EVIDENCE OF CUBAN INVOLVEMENT IN THE LUANDA AND NEGAGE AREAS.

OIA HAS ANALYZED ALL AVAILABLE PHOTOGRAPHY OF ANGOLA'S MILITARY REGION 1, WHICH COVERS THE NORTHWESTERN PART OF THE COUNTRY, FROM MAY THROUGH OCTOBER 1978.

CIA INFR TSD107-78 30 NOV 78 [Redacted] SEC CLASS: 13 MSN: 0003P ACCN: 5086109 25X1

PUHSIN HIGH EXPLOSIVES TEST FACILITY TEST ACT TW 244951N 1211250E
WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 356 COMIREX NO: [Redacted]

25X1
25X1

ANALYSIS OF FAIR QUALITY IMAGERY OF NOVEMBER 1978 SHOWS THAT THE REPUBLIC OF CHINA HAS PROBABLY BEGUN TESTING HIGH EXPLOSIVES AT THE PU-HSIN EXPLOSIVES RELATED FACILITY--A NEW, POSSIBLY [Redacted] FACILITY IN THE FOOTHILLS OF THE SHIH-MEN MOUNTAINS NEAR LUNG-TAN.

25X1

[Large Redacted Area]

25X1

SAC DSIR RSF04-3001-78 DEC 78 [Redacted] SEC CLASS: 24 MSN: 0020P ACCN: 5086112 25X1

MISSILES, CSA-X-2 MOBILE SAM SYSTEM CH
WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 40C COMIREX NO:

25X1
25X1

1099
TOP SECRET CHESS RUFF [Redacted]

[Redacted]

TOP SECRET CHESS RUFF

25X1
25X1

THE PURPOSE OF THIS DIRECT SUPPORT IMAGERY INTERPRETATION REPORT
EVENTS RELATING TO THE CSA-X-2 MISSILE SYSTEM FROM THE FIRST TIME IT
OCTOBER 1975 UNTIL THREE YEARS LATER IN OCTOBER 1978.

A RECENT INCREASE IN ACTIVITY ASSOCIATED WITH THE CSA-X-2 MOBILE
SUGGESTS THAT THE PEOPLE'S REPUBLIC OF CHINA (PRC) IS MAKING PROGRES
PHASE OF ITS DEVELOPMENT. FIRST SEEN AT CHIN-HSI NAVAL WEAPONS R/D
CSA-X-2 WAS MOVED TO SHUANG-CHENG-TZU MISSILE TEST CENTER LAUNCH ARE
SHUANG-CHENG-TZU REACHED A PEAK IN THE SPRING 1978. THE RADAR SIGNA
COLLECTED FROM SEVERAL LOCATIONS, INCLUDING CHIN-HSI, SHUANG-CHENG-T
HANGCHOU BAY AREA. THE DEPLOYMENT OF THIS SAM SYSTEM WOULD FILL MAJ
COVERAGE AND WOULD THEREFORE CONSTITUTE A SIGNIFICANT UPGRADING OF I

ILLEGIB

NPIC MEMO 18 DEC 78 SEC CLASS: 13 MSN: 0001P ACCN: 086113 25X1

SODO ISLAND COMMUNICATIONS FACILITIES SEARCH KN 3833 N 12446 E
WAC NO : 0380 BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 25D COMIREX NO:

25X1

AF STDY MAR 78 SEC CLASS: 25 MSN: 0065P ACCN: S086114 25X1

PHOTO, IMAGERY INTERPRETATION GUIDE AIRFIELDS KN
WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 65 COMIREX NO:
AIRFIELDS, INDICATIONS + WARNING HANDBOOK KN
WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 05A COMIREX NO:

THIS STUDY IS AN INITIAL EFFORT TO PRODUCE A GUIDE FOR REPORTING AND INTERPRETING IMAGERY DERIVED
INTELLIGENCE ON MAJOR NORTH KOREAN AIRFIELDS. IT PROVIDES A LIST OF POSSIBLE INDICATORS AND A MEANS OF
ASSESSING THE SIGNIFICANCE OF ANY CHANGE IN ORDER OF BATTLE. DETECTION OF THESE INDICATORS AND/OR
ACCURATE INTERPRETATION OF ANY ACTIVITY REPORTED SHOULD IMPROVE THE OVERALL INDICATION AND WARNING
CAPABILITY IN THIS AREA. FUTURE STUDIES OF OTHER TYPES OF MILITARY INSTALLATIONS ARE IN THE PLANNING
STAGE. THE TOTAL EFFORT IS NOT DESIGNED TO SUPPLEMENT THE CURRENT DEVELOPMENT OF A SMALL NUMBER OF KEY
INDICATORS. RATHER, IT IS AN ACKNOWLEDGEMENT THAT INDICATORS MAY EXIST IN A WIDE VARIETY OF FUNCTIONAL
AREAS.

25X1

1100
TOP SECRET CHESS RUFF

25X1
25X1

Declassified in Part - Sanitized Copy Approved for Release 2014/03/07 : CIA-RDP80T00913A000200030001-4

[Redacted]

TOP SECRET CHESS RUFF

[Redacted]

[Redacted]

25X1

[Large Redacted Area]

25X1

NPIC TP TP003-78 DEC 78 [Redacted] SEC CLASS: 14 MSN: 0033P ACCT: S086122 25X1

[Redacted] SPEC COLLECTION MANUAL REVISED NPIC NO : -
WAC NO : BE/OBJ NO: COMIREX NO:
IDHS CODE: EPF CAT : 65

25X1

[Redacted]

25X1

1101
TOP SECRET CHESS RUFF [Redacted]

[Redacted]

25X1
25X1

Declassified in Part - Sanitized Copy Approved for Release 2014/03/07 : CIA-RDP80T00913A000200030001-4

Page Denied

Next 1 Page(s) In Document Denied

Declassified in Part - Sanitized Copy Approved for Release 2014/03/07 : CIA-RDP80T00913A000200030001-4

[Redacted]

TOP SECRET CHESS RUFF

[Redacted]

[Redacted]

25X1
25X1

[Redacted]

NPIC MIPIR CA0024-79 24 JAN 79 [Redacted] SEC CLASS: 14 MSN: 0226P ACCN: S086130

25X1

25X1

MIPIR 018/024
WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 15A COMIREX NO:

[Large Redacted Area]

25X1

1104

TOP SECRET CHESS RUFF

[Redacted]

[Redacted]

25X1

25X1

Declassified in Part - Sanitized Copy Approved for Release 2014/03/07 : CIA-RDP80T00913A000200030001-4

Page Denied

TOP SECRET CHESS RUFF

25X1
25X1

25X1

NPIC BIIR RCA09-0001-79 JAN 79 [] SEC CLASS: 25A MSN: 0013P ACCN: 5086134 25X1

MISSILES, DEFENSIVE MISSILE R+D/PROD FACILS

WAC NO :	BE/OBJ NO :	NPIC NO :	-	
IDHS CODE :	EPF CAT : 40E	COMIREX NO :		
SVERDLOVSK GUIDED MISSILE PRODUCTION PLANT 8		UR 565213N	0603707E	
WAC NO :	BE/OBJ NO :	NPIC NO :	- 26-C	25X1
IDHS CODE :	EPF CAT : 40E	COMIREX NO :		25X1
MOSKVA GUIDED MISSILE R+D/PROD PLT KHIMKI 293		UR 555444N	0372701E	
WAC NO :	BE/OBJ NO :	NPIC NO :	- 48-B1	25X1
IDHS CODE :	EPF CAT : 40E	COMIREX NO :		25X1
MOSKVA GUIDED MISSILE PRODUCTION PLANT 41		UR 554939N	0373023E	
WAC NO :	BE/OBJ NO :	NPIC NO :	- 46-L1	25X1
IDHS CODE :	EPF CAT : 40E	COMIREX NO :		25X1
MOSKVA GUIDED MISSILE + A/C PLT DOLGOPRUDNNY		UR 555544N	0373027E	
WAC NO :	BE/OBJ NO :	NPIC NO :	- 58-J	25X1
IDHS CODE :	EPF CAT : 40E	COMIREX NO :		25X1
MOSKVA GUIDED MISSILE + A/C PLT DOLGOPRUDNNY		UR 555544N	0373027E	
WAC NO :	BE/OBJ NO :	NPIC NO :	- 58-J	25X1
IDHS CODE :	EPF CAT : 05G	COMIREX NO :		25X1
LENINGRAD MACHINE + MISSILE PLT BOLSHEVIK 232		UR 595129N	0302919E	
WAC NO :	BE/OBJ NO :	NPIC NO :	- 36-P	25X1
IDHS CODE :	EPF CAT : 30C	COMIREX NO :		25X1
LENINGRAD MACHINE + MISSILE PLT BOLSHEVIK 232		UR 595129N	0302919E	
WAC NO :	BE/OBJ NO :	NPIC NO :	- 36-P	25X1

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1
25X1

IDHS CODE: []	EPF CAT : 40E	COMIREX NO: []	25X1
LENINGRAD GUIDED MISSILE PRODUCTION PLANT 458	UR 595934N 0301721E		
WAC NO : []	BE/OBJ NO: []	NPIC NO : - 36-U1	25X1
IDHS CODE: []	EPF CAT : 40E	COMIREX NO: []	25X1
LENINGRAD GUIDED MISSILE PRODUCTION PLANT 272	UR 595856N 0301901E		
WAC NO : []	BE/OBJ NO: []	NPIC NO : - 36-U2	25X1
IDHS CODE: []	EPF CAT : 40E	COMIREX NO: []	25X1
LENINGRAD ARMS PLANT KRASNOYE ZNAMYA FRUNZE 7	UR 595736N 0302205E		
WAC NO : []	BE/OBJ NO: []	NPIC NO : - 36-R1	25X1
IDHS CODE: []	EPF CAT : 35G	COMIREX NO: []	25X1
KOVROV GUIDED MISSILE/MACHINE TOOL/ARMS PLT 2	UR 562208N 0411934E		
WAC NO : []	BE/OBJ NO: []	NPIC NO : - 30-A	25X1
IDHS CODE: []	EPF CAT : 40E	COMIREX NO: []	25X1
KOVROV GUIDED MISSILE/MACHINE TOOL/ARMS PLT 2	UR 562208N 0411934E		
WAC NO : []	BE/OBJ NO: []	NPIC NO : - 30-A	25X1
IDHS CODE: []	EPF CAT : 35G	COMIREX NO: []	25X1
KOVROV GUIDED MISSILE/MACHINE TOOL/ARMS PLT 2	UR 562208N 0411934E		
WAC NO : []	BE/OBJ NO: []	NPIC NO : - 30-A	25X1
IDHS CODE: []	EPF CAT : 30C	COMIREX NO: []	25X1
KIROV MISSILE + AIRCRAFT COMPONENTS PLANT 32	UR 583834N 0493709E		
WAC NO : []	BE/OBJ NO: []	NPIC NO : - 5-N1	25X1
IDHS CODE: []	EPF CAT : 05G	COMIREX NO: []	25X1
KIROV MISSILE + AIRCRAFT COMPONENTS PLANT 32	UR 583834N 0493709E		
WAC NO : []	BE/OBJ NO: []	NPIC NO : - 5-N1	25X1
IDHS CODE: []	EPF CAT : 40E	COMIREX NO: []	25X1

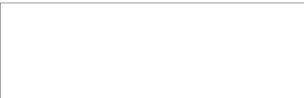
THIS REPORT DESCRIBES THE RECENT DEVELOPMENTS AT TEN SOVIET DEFENSIVE MISSILE RESEARCH, DEVELOPMENT, AND PRODUCTION FACILITIES. SIGHTINGS OF TWO NEW SIZES OF CANISTERS AT SVERDLOVSK GUIDED MISSILE PRODUCTION PLANT 8 INDICATE THAT AT LEAST TWO ADDITIONAL MISSILES MAY BE IN LIMITED PRODUCTION AT THE PLANT. THE CONSTRUCTION OF NEW STORAGE STRUCTURES AND AN INCREASED USE OF CANVAS/NETTING WERE PARTICULARLY EFFECTIVE IN PREVENTING THE IDENTIFICATION AND COUNT OF CANISTERS AT SVERDLOVSK GUIDED MISSILE PRODUCTION PLANT 8 AND LENINGRAD GUIDED MISSILE PRODUCTION PLANT 458. SA-6 MISSILES ARE PROBABLY IN SERIES PRODUCTION AT MOSKVA GUIDED MISSILE AND AIRCRAFT PLANT DOLGOPRUDNY 464. SA-8/SA-N-4 PRODUCTION WAS ONCE AGAIN CONFIRMED FROM IMAGERY OF KIROV MISSILE AND AIRCRAFT COMPONENTS PLANT 32. SIGNIFICANT EXPANSION OF FABRICATION/ASSEMBLY FLOORSPACE WAS UNDERWAY AT LENINGRAD ARMS PLANT KRASNOYE ZNAMYA FRUNZE 7.

THIS REPORT IS THE FIRST NPIC BASIC REPORT ON LENINGRAD ARMS PLANT KRASNOYE ZNAMYA FRUNZE 7 AND UPDATES PREVIOUS NPIC REPORTS ON THE NINE OTHER FACILITIES. THE CURRENT REPORTING PERIOD FOR EACH OF THOSE NINE FACILITIES IS DEPENDENT UPON THE DATE OF THE LATEST IMAGERY USED FOR THE RESPECTIVE, UPDATED REPORT AND THE DATE OF THE MOST RECENT, USABLE KEYHOLE IMAGERY ACQUIRED THROUGH THE INFORMATION CUTOFF DATE OF 30 JUNE 1978. THIS REPORT CONTAINS A LOCATION MAP, FIVE PHOTOGRAPHS, AND SIX TABLES.

NPIC SR SR002-79 JAN 79 22001-79 SEC CLASS: 05B MSN: 0004P ACCN: 5086135

TOP SECRET CHESS RUFF

25X1
25X1



TOP SECRET CHESS RUFF



25X1

BRATISLAVA SA-3 RING SITES IDENTIFICATION

WAC NO : 0232 BE/OBJ NO: EPF CAT : 40C

CZ 4809 N 01709 E

NPIC NO : -

COMIREX NO:

25X1

PRAHA SA-3 RING SITES IDENTIFICATION

WAC NO : 0231 BE/OBJ NO: EPF CAT : 40C

CZ 5004 N 01425 E

NPIC NO : -

COMIREX NO:

25X1

MISSILES, SA-3 RINGS

WAC NO : BE/OBJ NO: EPF CAT : 40C

CZ

NPIC NO : -

COMIREX NO:

LOW-ALTITUDE AIR DEFENSE CAPABILITIES ARE BEING IMPROVED AROUND TWO MAJOR CZECHOSLOVAKIAN CITIES. A RING OF SIX SA-3 SAM SITES AROUND PRAGUE AND A RING OF FIVE SA-3 SITES AROUND BRATISLAVA WERE IDENTIFIED ON IMAGERY ACQUIRED BETWEEN EARLY SPRING AND EARLY FALL OF 1978. THESE ARE THE ONLY TWO SA-3 RINGS IN CZECHOSLOVAKIA.

NPIC SR SR001-79 JAN 79 SEC CLASS: 05B MSN: 0005P ACCN: 5086136

MISSILES, SA-8 TEL MODIFIED POSS

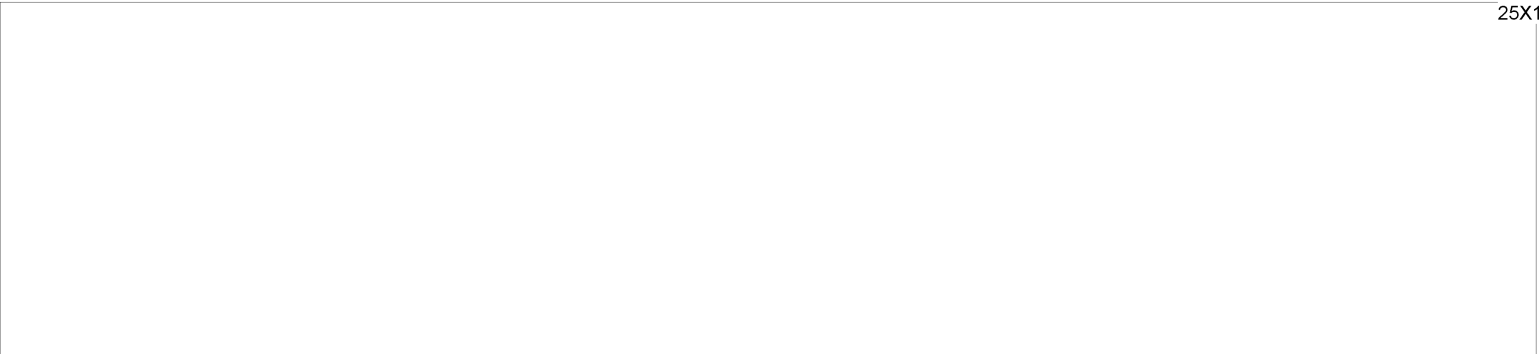
WAC NO : BE/OBJ NO: EPF CAT : 40C

UR

NPIC NO : -

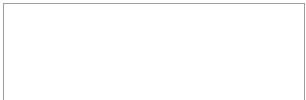
COMIREX NO:

A COMPARATIVE ANALYSIS OF LARGE-SCALE CORRIDOR IMAGERY AND OF MOSCOW PARADE IMAGERY REVEALED THAT SA-8 REGIMENTS IN THE GROUP OF SOVIET FORCES, GERMANY (GSFG) MAY BE EQUIPPED WITH A MODIFIED (B MODEL) SA-8 TRANSPORTER-ERECTOR-LAUNCHER (TEL).



25X1

TOP SECRET CHESS RUFF



25X1
25X1

Declassified in Part - Sanitized Copy Approved for Release 2014/03/07 : CIA-RDP80T00913A000200030001-4

[Redacted]

TOP SECRET CHESS RUFF

[Redacted]

[Redacted]

25X1
25X1

[Large Redacted Area]

25X1

NPIC PIR PIR056-78 JAN 79 [Redacted] SEC CLASS: 14D MSN: 0003P ACCN: 5086141

25X1

ELECTRONICS SH-EL-06 RADAR NEW UR
WAC NO : BE/OBJ NO: NPIC NO : -

1109
TOP SECRET CHESS RUFF

[Redacted]

[Redacted]

25X1
25X1

Declassified in Part - Sanitized Copy Approved for Release 2014/03/07 : CIA-RDP80T00913A000200030001-4

[Redacted]

TOP SECRET CHESS RUFF

[Redacted]

[Redacted]

25X1

25X1

[Large Redacted Area]

25X1

DIA	IIM	5B3-71041-79	18 JAN 79	[Redacted]	SEC CLASS: 13	MSN: [Redacted]	0004P	ACCN: S086144	25X1
		SIVERSKIY AIRFIELD AIRCRAFT BUNKERS			UR	592120N 0300203E			
		WAC NO :	[Redacted]	BE/OBJ NO: [Redacted]	NPIC NO :	- 70			25X1
		IDHS CODE: [Redacted]		EPF CAT : 05A	COMIREX NO: [Redacted]				25X1
DIA	IIM	5B1-71058-79	15 JAN 79	[Redacted]	SEC CLASS: 14	MSN: [Redacted]	0002P	ACCN: S086145	25X1
		BENDERY AVTOKOLONNA 2805			UR	465010N 0292820E			
		WAC NO :	[Redacted]	BE/OBJ NO: [Redacted]	NPIC NO :	-			225X1
		IDHS CODE: [Redacted]		EPF CAT : 85A	COMIREX NO:				
DIA	IIM	5B1-71044-79	11 JAN 79	[Redacted]	SEC CLASS: 14	MSN: [Redacted]	0003P	ACCN: S086146	25X1

1110

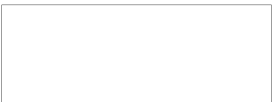
TOP SECRET CHESS RUFF

[Redacted]

[Redacted]

25X1

25X1



TOP SECRET CHESS RUFF



25X1
25X1

ODESSA AVTOKOLONNA 2212

WAC NO :
IDHS CODE:

BE/OBJ NO:
EPF CAT : 85A

UR 463150N 0304391E
NPIC NO : -
COMIREX NO:

25X1

DIA IIM 5B3-71069-79 19 JAN 79 SEC CLASS: 13 MSN: 0002P

ACCN: 508614:25X1

ZASULYE AIRFIELD

WAC NO :
IDHS CODE:

BE/OBJ NO:
EPF CAT : 05A

UR 644410N 0474030E
NPIC NO : - 36
COMIREX NO:

25X1

DIA IIM 5B3-71075-79 19 JAN 79 SEC CLASS: 13 MSN: 0004P

ACCN: 508614:25X1

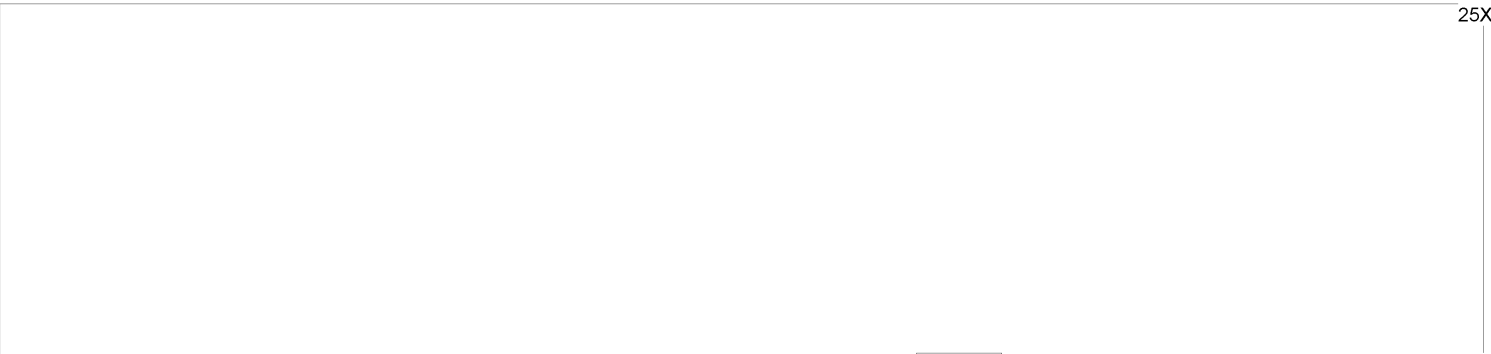
AIRCRAFT, CURL/CLANK/CLINE WING ROOT PATCHES

WAC NO :
IDHS CODE:

BE/OBJ NO:
EPF CAT : 05D

UR
NPIC NO : -
COMIREX NO:

25X1



DIA IIM 5B3-71057-79 17 JAN 79 SEC CLASS: 13 MSN: 0001P

ACCN: 508615:25X1

LODEYNOYE POLE AIRFIELD AIRCRAFT BUNKERS

WAC NO :
IDHS CODE:

BE/OBJ NO:
EPF CAT : 05A

UR 604234N 0333424E
NPIC NO : - 5
COMIREX NO:

25X1
25X1

DIA IIM 5B3-71054-79 17 JAN 79 SEC CLASS: 13 MSN: 0001P

ACCN: 508615:25X1

1111
TOP SECRET CHESS RUFF



25X1
25X1

TOP SECRET CHESS RUFF

25X1

KILPYAVR AIRFIELD AIRCRAFT BUNKERS

UR 690542N 0322358E

WAC NO : [] BE/OBJ NO: []
IDHS CODE: [] EPF CAT : 05A

NPIC NO : - 7
COMIREX NO: []

25X1
25X1
25X1

DIA IIM 5B3-71051-79 16 JAN 79 [] SEC CLASS: 13 MSN: [] 0001P ACCN: S086155

25X1

GROMOVO AIRFIELD AIRCRAFT BUNKERS

UR 604252N 0300646E

WAC NO : [] BE/OBJ NO: []
IDHS CODE: [] EPF CAT : 05A

NPIC NO : - 27
COMIREX NO: []

25X1
25X1
25X1

DIA IIM 5B3-71062-79 17 JAN 79 [] SEC CLASS: 13 MSN: [] 0001P ACCN: S086156

PETROZAVODSK AIRFIELD NW AIRCRAFT BUNKERS

UR 615309N 0340920E

WAC NO : [] BE/OBJ NO: []
IDHS CODE: [] EPF CAT : 05A

NPIC NO : - 15-A
COMIREX NO: []

25X1
25X1
25X1

NPIC MEMO [] 22 JAN 79 [] SEC CLASS: 14B MSN: [] 0002P ACCN: S086159

25X1

SYSTYG KHEM RADIO RELAY STA WEATHER STA POSS UR 521348N 0952700E

1112
TOP SECRET CHESS RUFF

25X1
25X1

[Redacted]

TOP SECRET CHESS RUFF [Redacted]

[Redacted]

25X1

WAC NO :	[Redacted]	BE/OBJ NO :	[Redacted]	NPIC NO :	- 10	25X1
IDHS CODE :	[Redacted]	EPF CAT :	25D	COMIREX NO :	[Redacted]	25X1
SYSTYG KHEM RADIO RELAY STA	WEATHER STA	POSS	UR	521348N	0952700E	
WAC NO :	[Redacted]	BE/OBJ NO :	[Redacted]	NPIC NO :	- 10	25X1
IDHS CODE :	[Redacted]	EPF CAT :	10D	COMIREX NO :	[Redacted]	25X1
MELEKHOVSKAYA RADIO RELAY STATION	NE		UR	473120N	0403450E	
WAC NO :	[Redacted]	BE/OBJ NO :	[Redacted]	NPIC NO :	- 94	25X1
IDHS CODE :	[Redacted]	EPF CAT :	25D	COMIREX NO :	[Redacted]	25X1
VYSOKOYE RADIO RELAY STATION	SE		UR	521850N	0233000E	
WAC NO :	[Redacted]	BE/OBJ NO :	[Redacted]	NPIC NO :	- 222-C	25X1
IDHS CODE :	[Redacted]	EPF CAT :	25D	COMIREX NO :	[Redacted]	25X1
BREST RADIO RELAY STATION			UR	520534N	0234150E	
WAC NO :	[Redacted]	BE/OBJ NO :	[Redacted]	NPIC NO :	- 14-M3	25X1
IDHS CODE :	[Redacted]	EPF CAT :	25D	COMIREX NO :	[Redacted]	
IKOVKA RADIO RELAY STATION			UR	553650N	0645630E	
WAC NO :	[Redacted]	BE/OBJ NO :	[Redacted]	NPIC NO :	- 82	25X1
IDHS CODE :	[Redacted]	EPF CAT :	25D	COMIREX NO :	[Redacted]	25X1

THIS MEMO REVIEWS CURRENT [Redacted] TO DETERMINE THE STATUS OF RADIO-RELAY STATIONS AT IKOVKA, BREST, VYSOKOYE, MELEKHOVSKAYA, AND SYSTYG-KHEM. THERE HAVE BEEN NO SIGNIFICANT CHANGES TO ANY OF THE FACILITIES SINCE THEY WERE LAST REPORTED.* 25X1

NPIC MEMO [Redacted] 22 JAN 79 [Redacted] SEC CLASS: 14B MSN: [Redacted] 0002P ACCN: S086160 25X1

SAFONOVO RADAR SITE		UR	550405N	0337917E	
WAC NO :	0167	BE/OBJ NO :	[Redacted]	NPIC NO :	-
IDHS CODE :	[Redacted]	EPF CAT :	25A	COMIREX NO :	[Redacted]
BEZHETSK RADAR SITE		UR	575342N	0365555E	
WAC NO :	0154	BE/OBJ NO :	[Redacted]	NPIC NO :	-
IDHS CODE :	[Redacted]	EPF CAT :	25A	COMIREX NO :	[Redacted]
TALOVAYA RADAR FACILITY		UR	510407N	0404812E	
WAC NO :	0234	BE/OBJ NO :	[Redacted]	NPIC NO :	-
IDHS CODE :	[Redacted]	EPF CAT :	25A	COMIREX NO :	[Redacted]
KROMY RADAR FACILITY		UR	524202N	0354428E	
WAC NO :	0167	BE/OBJ NO :	[Redacted]	NPIC NO :	-
IDHS CODE :	[Redacted]	EPF CAT :	25A	COMIREX NO :	[Redacted]

[Redacted] WAS REVIEWED TO IDENTIFY NEW RADAR FACILITIES AT FOUR LOCATIONS IN THE MOSCOW AREA. AS A RESULT OF THE REVIEW FOUR NEW SIMILAR RADAR FACILITIES HAVE BEEN IDENTIFIED AT KROMY, TALOVAYA, BEZHETSK, AND SAFONOVO.* 25X1

NPIC MEMO [Redacted] 23 JAN 79 [Redacted] SEC CLASS: 14B MSN: [Redacted] 0001P ACCN: S086161 25X1

1113
TOP SECRET CHESS RUFF [Redacted]

[Redacted]

25X1
25X1

[Redacted]

TOP SECRET CHESS RUFF

[Redacted]

[Redacted]

25X1
25X1

MATVEYEV/KURGAN RADIO RELAY STA NEW SEARCH
WAC NO : 0249 BE/OBJ NO:
IDHS CODE: [Redacted] EPF CAT : 25D

UR 4733 N 03848 E
NPIC NO : -
COMIREX NO:

25X1

NPIC MEMO [Redacted] 23 JAN 79 [Redacted]

SEC CLASS: 13 MSN: [Redacted] 0012P

ACCN: S086162

25X1

PECHORA PHASED-ARRAY RADAR FAC CONST CAMP DMG
WAC NO : [Redacted] BE/OBJ NO: [Redacted]
IDHS CODE: [Redacted] EPF CAT : 25A

UR 651230N 0571720E
NPIC NO : - 29-A
COMIREX NO: [Redacted]

25X1

25X1

DIA IIM 5B3-71093-79 22 JAN 79 [Redacted]

SEC CLASS: 13 MSN: [Redacted] 0001P

ACCN: S086163

25X1

GDYNIA AIRFIELD AIRCRAFT BUNKERS
WAC NO : [Redacted] BE/OBJ NO: [Redacted]
IDHS CODE: [Redacted] EPF CAT : 05A

PL 543515N 0183022E
NPIC NO : - 39
COMIREX NO: [Redacted]

25X1

25X1

25X1

[Large Redacted Block]

DIA IIM 5B3-71091-79 22 JAN 79 [Redacted]

SEC CLASS: 13 MSN: [Redacted] 0001P

ACCN: S086166

25X1

DEBRZNO AIRFIELD AIRCRAFT BUNKERS
WAC NO : [Redacted] BE/OBJ NO: [Redacted]
IDHS CODE: [Redacted] EPF CAT : 05A

PL 533132N 0171532E
NPIC NO : - 111
COMIREX NO: [Redacted]

25X1

25X1

25X1

[Large Redacted Block]

DIA IIM 5B3-71099-79 22 JAN 79 [Redacted]

SEC CLASS: 13 MSN: [Redacted] 0001P

ACCN: S086168

25X1

GOLENIOW AIRFIELD AIRCRAFT BUNKERS

PL 533507N 0145409E

TOP SECRET CHESS RUFF

[Redacted]

[Redacted]

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC NO :
IDHS CODE:

BE/OBJ NO:
EPF CAT : 05A

NPIC NO : - 85
COMIREX NO:

25X1
25X1

DIA IIM 5B3-71104-79 24 JAN 79 SEC CLASS: 13 MSN: 0001P ACCN: S086170 25X1

MALBORK AIRFIELD AIRCRAFT BUNKERS

PL 540140N 0190813E

WAC NO :
IDHS CODE:

BE/OBJ NO:
EPF CAT : 05A

NPIC NO : - 80
COMIREX NO:

25X1
25X1

DIA IIM 5B3-71107-79 24 JAN 79 SEC CLASS: 13 MSN: 0001P ACCN: S086171 25X1

POWIDZ AIRFIELD AIRCRAFT BUNKERS

PL 522248N 0175114E

WAC NO :
IDHS CODE:

BE/OBJ NO:
EPF CAT : 05A

NPIC NO : - 108
COMIREX NO:

25X1
25X1

DIA IIM 5B1-71116-79 18 JAN 79 SEC CLASS: 14 MSN: 0002P ACCN: S086172 25X1

KAZAN AVTOKOLONNA 1186

UR 555051N 0490303E

WAC NO :
IDHS CODE:

BE/OBJ NO:
EPF CAT : 85A

NPIC NO : -
COMIREX NO:

25X1

DIA IIM 5B1-71071-79 16 JAN 79 SEC CLASS: 14B MSN: 0003P ACCN: S086173 25X1

PARNU AVTOKOLONNA 3054

UR 582145N 0243334E

WAC NO :
IDHS CODE:

BE/OBJ NO:
EPF CAT : 85A

NPIC NO : -
COMIREX NO:

25X1

NPIC PAR PIR055-78 JAN 79 SEC CLASS: 25D MSN: 0013P ACCN: S086175 25X1

SHUANGTA SSM FIELD TRNG PSTN 4 CSS-1 LAUNCHES

CH 373937N 1024336E

WAC NO :
IDHS CODE:

BE/OBJ NO:

NPIC NO : - 48-D1

25X1
25X1

1115
TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

IDHS CODE: []	EPF CAT : 40B	COMIREX NO: []
SHUANGTA SSM FIELD TRNG PSTN 3 CSS-1 LAUNCHES	CH 373758N 1024508E	
WAC NO : []	BE/OBJ NO: []	NPIC NO : - 48-D
IDHS CODE: []	EPF CAT : 40B	COMIREX NO: []
SHUANGTA SSM FIELD TRNG PSTN 2 CSS-1 LAUNCHES	CH 373603N 1024809E	
WAC NO : []	BE/OBJ NO: []	NPIC NO : - 48-C1
IDHS CODE: []	EPF CAT : 40B	COMIREX NO: []
SHUANGTA SSM FIELD TRNG PSTN 1 CSS-1 LAUNCHES	CH 373604N 1025129E	
WAC NO : []	BE/OBJ NO: []	NPIC NO : - 48-C
IDHS CODE: []	EPF CAT : 40B	COMIREX NO: []

25X1

25X1

25X1

25X1

25X1

25X1

25X1

THIS REPORT PROVIDES AN IMAGERY-DERIVED SUMMARY AND ANALYSIS OF THE EVENTS SURROUNDING THREE CSS-1 LAUNCHES. ALL OF THE LAUNCHES OCCURRED ON 8 OCTOBER 1978 AND WERE FROM SSM FIELD POSITIONS AT SHUANG-TA IN THE NORTH-CENTRAL AREA OF THE PEOPLE'S REPUBLIC OF CHINA (PRC). THE LAUNCHES MARKED THE FIRST TIME THAT THREE CHINESE STRATEGIC MISSILES HAVE BEEN FIRED IN RAPID ORDER, ALL WITHIN 40 MINUTES. THE MISSILES REPORTEDLY IMPACTED IN THE HSI-CHANG AREA OF SOUTH CHINA AFTER A 10-MINUTE FLIGHT.

THE THREE LAUNCHES MADE UP THE SECOND MULTIPLE CSS-1 FIRING FROM THE SHUANG-TA FPS AND ONLY THE SECOND TIME THAT THE CHINESE HAVE LAUNCHED FROM DEPLOYED FIELD SITES. THE FIRST LAUNCH, INVOLVING FOUR CSS-1 MISSILES, TOOK PLACE ON 25 AND 26 MARCH 1977. THE IMPACT AREA FOR THE MARCH 1977 SET OF LAUNCHES WAS ALSO NEAR HSI-CHANG. A CSS-2 IRBM TRAINING EXERCISE OCCURRED AT SHUANG-TA FP 1 IN DECEMBER 1977 BUT DID NOT RESULT IN A MISSILE LAUNCH.

25X1

NPIC MEMO [] 25 JAN 79 [] SEC CLASS: 14B MSN: [] 0002P

ACCN: S086177 25X1

CHERLAK TV BROADCAST STA MERCURY PLATE ANT	UR 541000N 0744710E
WAC NO : []	BE/OBJ NO: []
IDHS CODE: []	EPF CAT : 25B
IRTYSH RADIO RELAY STATION MERCURY PLATE ANTS	UR 543000N 0742130E
WAC NO : []	BE/OBJ NO: []
IDHS CODE: []	EPF CAT : 25D
ELECTRONICS, DM-400/6 RUO RELAY STATIONS NEW	UR

25X1

25X25X1

1116

TOP SECRET CHESS RUFF

25X1

25X1

[Redacted]

TOP SECRET CHESS RUFF

[Redacted]

[Redacted]

25X1

WAC NO :	BE/OBJ NO:	NPIC NO :	-
IDHS CODE:	EPF CAT : 25D	COMIREX NO:	
KYZYLTA RADIO RELAY STATION		UR	525505N 0763146E
WAC NO :	BE/OBJ NO:	NPIC NO :	- 71
IDHS CODE:	EPF CAT : 25D	COMIREX NO:	
CHERNOKETSK RADIO RELAY STATION		UR	524548N 0764001E
WAC NO :	BE/OBJ NO:	NPIC NO :	- 72
IDHS CODE:	EPF CAT : 25D	COMIREX NO:	
KACHIRY RADIO RELAY STATION EAST NEW IDENT		UR	530312N 0760758E
WAC NO :	BE/OBJ NO:	NPIC NO :	- 73
IDHS CODE:	EPF CAT : 25D	COMIREX NO:	

25X1

25X1

25X1

[Redacted] WAS REVIEWED TO DETERMINE THE PRESENCE OF A RADIO-RELAY LINE BETWEEN OMSK AND PAVLODAR, USSR. AS A RESULT OF THAT REVIEW THREE NEW R-600 RADIO-RELAY STATIONS, 12 NEW DM-400/6 RADIO-RELAY STATIONS AND THE PRESENCE OF MERCURY PLATE RADIO-RELAY EQUIPMENT AT TWO KNOWN FACILITIES WERE IDENTIFIED.*

25X1

NPIC MEMO [Redacted] 26 JAN 79 [Redacted] SEC CLASS: 14B MSN: 0002P ACCN: S086178 25X1

PINYUG RADIO RELAY STATION		UR	601349N 0474618E
WAC NO :	BE/OBJ NO:	NPIC NO :	- 62
IDHS CODE:	EPF CAT : 25D	COMIREX NO:	
LATYSHSKIY RADIO RELAY STATION		UR	595635N 0481120E
WAC NO :	BE/OBJ NO:	NPIC NO :	- 92
IDHS CODE:	EPF CAT : 25D	COMIREX NO:	

25X1

25X1

THIS MEMO REVIEWS [Redacted] TO PROVIDE THE NUMBER, TYPE AND ORIENTATIONS OF ANTENNAS AT RADIO-RELAY STATIONS ON THE KOTLAS-PINYUG RADIO-RELAY LINE.**

25X1

[Redacted]

25X1

NPIC MIPIR CA0031-79 31 JAN 79 [Redacted] SEC CLASS: 14 MSN: 0204P ACCN: S086180 25X1

MIPIR 025/031			
WAC NO :	BE/OBJ NO:	NPIC NO :	-
IDHS CODE:	EPF CAT : 15A	COMIREX NO:	

[Redacted]

25X1

1117
TOP SECRET CHESS RUFF

[Redacted]

[Redacted]

25X1

25X1

Page Denied

Next 3 Page(s) In Document Denied

TOP SECRET CHESS RUFF

25X1

25X1

DIA BIIR RDA05-0009-78 JAN 79 [] SEC CLASS: 14D MSN: [] 0009P ACCN: S086194 25X1

SUIYANG AIRFIELD CH 274801N 1071441E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 65 25X1
IDHS CODE: [] EPF CAT : 05A COMIREX NO: [] 25X1

THIS REPORT IS A DETAILED, IMAGERY-DERIVED ANALYSIS OF SUI-YANG AIRFIELD AS IT APPEARED ON []
[] THE BASE, LOCATED IN THE KUNG-MING AIR DISTRICT OF SOUTH-CENTRAL PEOPLES REPUBLIC OF CHINA, WILL 25X1
SUPPORT FIGHTER/BOMBER OPERATIONS. CONSTRUCTION ACTIVITY WAS FIRST OBSERVED IN APRIL 1971. [] 25X1
[] NO AIRCRAFT WERE PRESENT. FACILITIES AT THE AIRFIELD ARE IN MID TO LATE STAGES OF 25X1
CONSTRUCTION. FEATURES DESCRIBED IN THIS REPORT INCLUDE THE 2,805M X 50M CONCRETE RUNWAY, A 15 METER-WIDE
PARALLEL TAXIWAY, THREE AIRCRAFT PARKING APRONS, A HOUSING SUPPORT AREA, A SUPPORT AREA, AN OPERATIONS
SUPPORT AREA, AND AN UNDERGROUND STORAGE FACILITY UNDER CONSTRUCTION WITH A 13 METER-WIDE CONCRETE
DISPERSAL TAXIWAY LEADING TO THE TWO UG ENTRANCES UNDER CONSTRUCTION. THE NORTH ENTRANCE [] 25X1
IS [] WIDE AND THE SOUTH ENTRANCE [] METERS WIDE. 25X1
INFORMATION IS PRESENTED IN GRAPHIC, TEXTUAL, AND TABULAR FORM. IT INCLUDES A MAP, SIX ANNOTATED
PHOTOGRAPHS, FOUR TABLES, A CHRONOLOGY, AND REFERENCE DATA. A NATIONAL BASIC REFERENCE GRAPHIC IS
INCLUDED.

NPIC REPT STAR06-78 01 DEC 78 [] SEC CLASS: 25 X MSN: 0016P ACCN: S086195 25X1

GENERAL, CAMOUFLAGE/CONCEALMENT/DECEPTION ACT UR
WAC NO : [] BE/OBJ NO: [] NPIC NO : -
IDHS CODE: [] EPF CAT : 101 COMIREX NO:
GENERAL, CAMOUFLAGE/CONCEALMENT/DECEPTION ACT US
WAC NO : [] BE/OBJ NO: [] NPIC NO : -
IDHS CODE: [] EPF CAT : 101 COMIREX NO:

25X1

1122
TOP SECRET CHESS RUFF

25X1
25X1

[Redacted]

TOP SECRET CHESS RUFF

[Redacted]

[Redacted]

25X1

[Redacted]

25X1

NPIC PIR PIR003-79 JAN 79 [Redacted] SEC CLASS: 14D MSN: 0006P ACCN: 508619725X1

ELECTRONICS, CALIBRATION/GDNC MONUMENTS SS-20 UR
WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 25C COMIREX NO:

THE SOVIET UNION IS CONTINUING FURTHER CONSTRUCTION OF PROBABLE CALIBRATION MONUMENTS AT SS-20 MOBILE MISSILE BASES AND AT FORMER SS-7 ICBM RAIL-TO-ROAD TRANSFER POINTS (RTPS) WHICH NOW SUPPORT THE SS-20 MOBILE MISSILE SYSTEM. THEIR PRESENCE AND LOCATION AT THE DEPLOYED BASES SUGGEST THAT THE MONUMENTS ARE USED IN PERIODIC MISSILE GUIDANCE CALIBRATION, POSSIBLY ASSOCIATED WITH THE SS-20 MULTIPLE INDEPENDENTLY TARGETABLE REENTRY VEHICLE (MIRV) SYSTEM. SIMILARLY CONSTRUCTED MONUMENTS HAVE PREVIOUSLY BEEN ASSOCIATED WITH MISSILE SYSTEM CALIBRATION BUILDINGS AT SS-17, -18, AND -19 ICBM COMPLEXES, ALL OF WHICH ARE MIRV SYSTEMS. THE PRESENCE OF SIMILAR GUIDANCE CALIBRATION MONUMENTS AT KAPUSTIN YAR MR TEST COMPLEX C, SITE 1 [Redacted] AND GLAUKAYA PROBABLE SSM RESEARCH AND DEVELOPMENT TEST POSITION [Redacted] WAS PREVIOUSLY REPORTED BY NPIC IN AUGUST 1977.

25X1

[Redacted]

25X1

1123
TOP SECRET CHESS RUFF

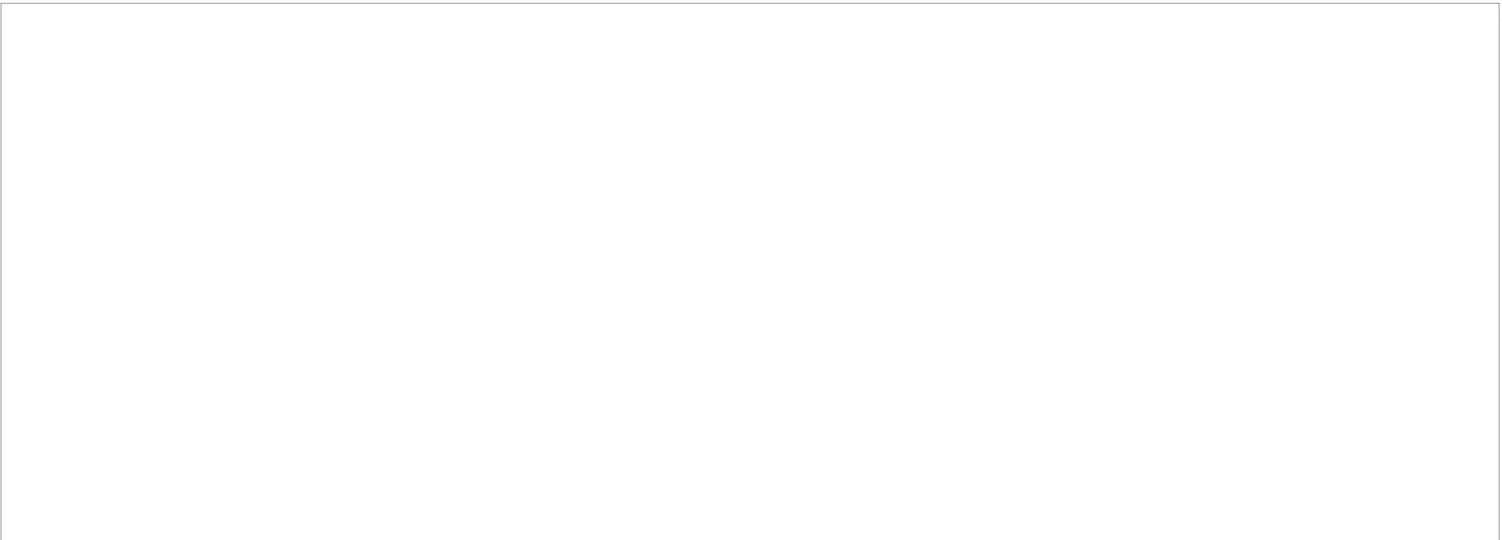
[Redacted]

[Redacted]

25X1
25X1

TOP SECRET CHESS RUFF

25X1



25X1

DIA IIM 5B3-71119-79 25 JAN 79 [redacted] SEC CLASS: 13 MSN: 0001P ACCN: S086200 25X1

DOMNA AIRFIELD FLOGGER G MIG-23 SEARCH UR 515500N 1130718E
WAC NO : [redacted] BE/OBJ NO: [redacted] NPIC NO : - 2 25X1
IDHS CODE: [redacted] EPF CAT : 05A COMIREX NO: [redacted] 25X1
LUGOVOYE AIRFIELD FLOGGER G MIG-23 SEARCH UR 425820N 0724339E
WAC NO : [redacted] BE/OBJ NO: [redacted] NPIC NO : - 20 25X1
IDHS CODE: [redacted] EPF CAT : 05A COMIREX NO: [redacted] 25X1

DIA IIM 5B3-71117-79 26 JAN 79 [redacted] SEC CLASS: 13 MSN: [redacted] 0001P ACCN: S086201 25X1

4EGRZE POMORSKIE AIRFIELD AIRCRAFT BUNKERS PL 540236N 0161556E
WAC NO : [redacted] BE/OBJ NO: [redacted] NPIC NO : - 135 25X1
IDHS CODE: [redacted] EPF CAT : 05A COMIREX NO: [redacted] 25X1

1124
TOP SECRET CHESS RUFF

25X1
25X1



TOP SECRET CHESS RUFF

25X1

25X1

DIA IIM 5B3-71126-79 26 JAN 79 [] SEC CLASS: 13 MSN: [] 0001P ACCN: 5086203 25X1
 BAYAN SUMA AIRFIELD FISHBED MIG-21 IDENT MG 472200N 1072721E
 WAC NO : [] BE/OBJ NO: [] NPIC NO : - 12-A 25X1
 IDHS CODE: [] EPF CAT : 05A COMIREX NO: [] 25X1

DIA IIM 5B3-71109-79 26 JAN 79 [] SEC CLASS: 13 MSN: [] 0001P ACCN: 5086204 25X1
 SLUPSK AIRFIELD AIRCRAFT BUNKERS PL 542839N 0170612E
 WAC NO : [] BE/OBJ NO: [] NPIC NO : - 144 25X1
 IDHS CODE: [] EPF CAT : 05A COMIREX NO: [] 25X1

DIA IIM 5B3-71141-79 29 JAN 79 [] SEC CLASS: 13 MSN: [] 0001P ACCN: 5086205 25X1
 KUBINKA AIRFIELD FLOGGER 6 MIG-23 SEARCH UR 553645N 0363855E
 WAC NO : [] BE/OBJ NO: [] NPIC NO : - 34-A 25X1
 IDHS CODE: [] EPF CAT : 05A COMIREX NO: [] 25X1

DIA IIM 5B3-71111-79 26 JAN 79 [] SEC CLASS: 13 MSN: [] 0002P ACCN: 5086206 25X1
 NASOSNY AIRCRAFT REPAIR BASE FOXBAT ACTIVITY UR 403534N 0493322E
 WAC NO : [] BE/OBJ NO: [] NPIC NO : - 25X1
 IDHS CODE: [] EPF CAT : 05F COMIREX NO: []

25X1

DIA IIM 5B3-71158-79 01 FEB 79 [] SEC CLASS: 13 MSN: [] 0003P ACCN: 5086208 25X1
 ZAYSAN AIRFIELD UR 472820N 0845155E
 WAC NO : [] BE/OBJ NO: [] NPIC NO : - 1-A 25X1
 IDHS CODE: [] EPF CAT : 05A COMIREX NO: []

DIA IIM 5B1-71102-79 22 JAN 79 [] SEC CLASS: 14B MSN: [] 0003P ACCN: 5086209 25X1

25X1

25X1

TOP SECRET CHESS RUFF

Declassified in Part - Sanitized Copy Approved for Release 2014/03/07 : CIA-RDP80T00913A000200030001-4

TOP SECRET CHESS RUFF

25X1

SIGULDA AVTOKOLONNA 1021

WAC NO :
IDHS CODE:

BE/OBJ NO:
EPF CAT : 85A

UR 570916N 0245259E
NPIC NO : -
COMIREX NO:

25X1

25X1

DIA IIM 5B1-71115-79 23 JAN 79

SEC CLASS: 14 MSN: 0003P

ACCN: S086214

25X1

SYKTYVKAR AVTOKOLONNA 4816

WAC NO :
IDHS CODE:

BE/OBJ NO:
EPF CAT : 85A

UR 614130N 0504830E
NPIC NO : -
COMIREX NO:

25X1

25X1

1126
TOP SECRET CHESS RUFF

25X1
25X1

Declassified in Part - Sanitized Copy Approved for Release 2014/03/07 : CIA-RDP80T00913A000200030001-4

Page Denied

Declassified in Part - Sanitized Copy Approved for Release 2014/03/07 : CIA-RDP80T00913A000200030001-4

TOP SECRET CHESS RUFF

25X1

25X1

NPIC MIPIR CA0038-79 07 FEB 79 [] SEC CLASS: 14 MSN: 0139P ACCN: S086227 25X1

MIPIR 032/038
WAC NO :
IUHS CODE: BE/OBJ NO: NPIC NO : -
EPF CAT : 15A COMIREX NO:

NPIC MEMO [] 30 JAN 79 [] SEC CLASS: 13 MSN: 0003P ACCN: S086228 25X1

1128
TOP SECRET CHESS RUFF

25X1
25X1

Declassified in Part - Sanitized Copy Approved for Release 2014/03/07 : CIA-RDP80T00913A000200030001-4

TOP SECRET CHESS RUFF

25X1

RUDOLFA OSTROV NAVAL FACIL POSS POLE STATION UR 814803N 0575645E
 WAC NO : BE/OBJ NO: NPIC NO : -
 IDHS CODE: EPF CAT : 25I COMIREX NO:
 MALYYE KARMAKULY POSS NAVAL FAC TRACKING STA UR 7223 N 05244 E
 WAC NO : BE/OBJ NO: NPIC NO : -
 IDHS CODE: EPF CAT : 25I COMIREX NO:
 MYS MENHIKOVY OBSERVATION + COMMO POST UR 5317 N 14125 E
 WAC NO : 0196 BE/OBJ NO: NPIC NO : -
 IDHS CODE: EPF CAT : 25D COMIREX NO:
 MYS STOLBOVOY OBSERVATION + COMMO POST UR 8148 N 05755 E
 WAC NO : 0011 BE/OBJ NO: NPIC NO : -
 IDHS CODE: EPF CAT : 25D COMIREX NO:
 BELUSHYA GUBA TALL KING AW RADAR FACILITY UR 712815N 0521600E
 WAC NO : BE/OBJ NO: NPIC NO : - 2-D1
 IDHS CODE: EPF CAT : 25A COMIREX NO:

25X1

25X1

25X1

25X1

NPIC MEMO 31 JAN 79 SEC CLASS: 14B MSN: 0002P ACCN: S086229 25X1

SELIZHAROVO RADIO RELAY + TV BROADCAST STA UR 565440N 0333505E
 WAC NO : BE/OBJ NO: NPIC NO : - 125-A
 IDHS CODE: EPF CAT : 25B COMIREX NO:
 SELIZHAROVO RADIO RELAY + TV BROADCAST STA UR 565440N 0333505E
 WAC NO : BE/OBJ NO: NPIC NO : - 125-A
 IDHS CODE: EPF CAT : 25D COMIREX NO:

25X1

25X1

25X1

25X1

A REVIEW OF KEYHOLE IMAGERY FROM WAS DONE TO DETERMINE THE NUMBER, TYPE, AND
 ORIENTATION OF ANTENNAS, IDENTIFY NEW CONSTRUCTION ACTIVITY, AND TO IDENTIFY ANTENNAS IN STORAGE OR MOBILE
 COMMUNICATIONS EQUIPMENT AT RADIO-RELAY STATIONS IN THE SELIZHAROVO-VELIKIYE LUKI RADIO-RELAY LINE. THIS
 INFORMATION WAS PROVIDED ON THE SELIZHAROVO RADIO-RELAY AND TV BROADCAST STATION; HOWEVER, THE VELIKIYE
 LUKI RADIO-RELAY AND TV RELAY STATION WAS NOT COVERED ON THE REFERENCED IMAGERY OF

25X1

25X1

NPIC MEMO 31 JAN 79 SEC CLASS: 14B MSN: 0002P ACCN: S086230 25X1

PERM RADIO RELAY + TV BROADCAST CENTER UR 580040N 0561725E
 WAC NO : BE/OBJ NO: NPIC NO : - 16-W2
 IDHS CODE: EPF CAT : 25B COMIREX NO:
 PERM RADIO RELAY + TV BROADCAST CENTER UR 580040N 0561725E
 WAC NO : BE/OBJ NO: NPIC NO : - 16-W2
 IDHS CODE: EPF CAT : 25D COMIREX NO:
 UFA RADIO RELAY + TV BROADCAST CENTER UR 544324N 0555525E
 WAC NO : BE/OBJ NO: NPIC NO : - 30-J4
 IDHS CODE: EPF CAT : 25B COMIREX NO:
 UFA RADIO RELAY + TV BROADCAST CENTER UR 544324N 0555525E

25X1

25X1

25X1

25X1

25X1

25X1

TOP SECRET CHESS RUFF

25X1

25X1

TOP SECRET CHESS RUFF

25X1

WAC NO :	BE/OBJ NO:	NPIC NO :	- 30-J4
IDHS CODE:	EPF CAT :	COMIREX NO:	
DIRSK RADIO RELAY STATION		UR 552145N	0553240E
WAC NO :	BE/OBJ NO:	NPIC NO :	- 118-A
IDHS CODE:	EPF CAT :	COMIREX NO:	
BORAYEVO RADIO RELAY + TV BROADCAST STATION		UR 554810N	0552120E
WAC NO :	BE/OBJ NO:	NPIC NO :	- 142
IDHS CODE:	EPF CAT :	COMIREX NO:	
BORAYEVO RADIO RELAY + TV BROADCAST STATION		UR 554810N	0552120E
WAC NO :	BE/OBJ NO:	NPIC NO :	- 142
IDHS CODE:	EPF CAT :	COMIREX NO:	
KRASNOYAR PERVYY RADIO RELAY + TV BDCST STA		UR 565400N	0554010E
WAC NO :	BE/OBJ NO:	NPIC NO :	- 60
IDHS CODE:	EPF CAT :	COMIREX NO:	
KRASNOYAR PERVYY RADIO RELAY + TV BDCST STA		UR 565400N	0554010E
WAC NO :	BE/OBJ NO:	NPIC NO :	- 60
IDHS CODE:	EPF CAT :	COMIREX NO:	
YUG RADIO RELAY STATION		UR 574230N	0560600E
WAC NO :	BE/OBJ NO:	NPIC NO :	- 15-L
IDHS CODE:	EPF CAT :	COMIREX NO:	

25X1
25X1

25X1

25X1
25X1

25X1
25X1

25X1
25X1

25X1
25X1

25X1
25X1

ALL PERTINENT KEYHOLE PHOTOGRAPHY WAS REVIEWED TO PROVIDE DETAILED INFORMATION ON RADIO-RELAY STATIONS IN THE PERM-UFA AREA. A CURRENT DESCRIPTION OF THE STATIONS IN THE PERM-YUG-UFA RADIO-RELAY LINES ARE INCLUDED IN THIS REPORT.*

25X1

1130
TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

25X1

DIA BIIR RDA05-0017-78 JAN 79 SEC CLASS: 14D MSN: 0011P

ACCN: 5086235 25X1

CHIAOHO AIRFIELD

WAC NO :
IDHS CODE:

BE/OBJ NO:
EPF CAT : 05A

CH 434851N 1273028E
NPIC NO : - 116-A3
COMIREX NO:

25X1
25X1

THIS REPORT IS A DETAILED, IMAGERY-DERIVED ANALYSIS OF CHIAO HO AIRFIELD AND RELATED FACILITIES DURING THE PERIOD DECEMBER 1969 TO MARCH 1978. THIS INSTALLATION, LOCATED IN KIRIN PROVINCE IN NORTHEASTERN PEOPLE'S REPUBLIC OF CHINA, IS A JET-CAPABLE AIRFIELD. FEATURES DESCRIBED IN THIS REPORT INCLUDE A 2212M X 50M CONCRETE RUNWAY, TAXIWAYS AND PARKING FACILITIES, POL STORAGE WITH AN APPROXIMATE CAPACITY OF 396, 296 LITERS, AIRCRAFT MAINTENANCE, ACCOMODATIONS AND SUPPORT FACILITIES.

THE INFORMATION IS PRESENTED IN GRAPHIC, TEXTUAL, AND TABULAR FORM. IT INCLUDES A MAP AND EIGHT ANNOTATED PHOTOGRAPHS. A REFERENCE DATA LIST FURNISHES IMAGERY AND MAP SOURCES. A NATIONAL BASIC REFERENCE GRAPHIC (NBRG) IS INCLUDED.

25X1

1131
TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

25X1

NPIC SR SR004-79 JAN 79 Z20002-79 SEC CLASS: 05B MSN: 0002P ACCN: 5086238

AIRFIELDS, HIGHWAY LANDING STRIPS

PL

WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EFF CAT : 05A COMIREX NO:

THIS REPORT DISCUSSES ALL OF THE KNOWN POLISH HIGHWAY LANDING STRIPS (AUXILIARY AIRFIELDS) DERIVED FROM PHOTOGRAPHY.

A TOTAL OF 21 HIGHWAY LANDING STRIPS HAD BEEN IDENTIFIED ON PHOTOGRAPHY AS OF [REDACTED] THEY PROVIDE POLISH AND WARSAW PACT TACTICAL AIR UNITS WITH A SUBSTANTIAL DISPERSAL AND EMERGENCY LANDING CAPABILITY.

THESE LANDING STRIPS AVERAGE 2,340 BY 14 METERS AND ARE CHARACTERIZED BY AUTOMOBILE/AIRCRAFT PARKING AREAS AT EITHER END OF THE LANDING STRIPS.

25X1

NPIC SR SR006-79 FEB 79 [REDACTED] SEC CLASS: 14B MSN: 0006P ACCN: 5086239

25X1

MINSK SA-5 TRAINING SITE A06 SA-X-10 EQUIP UR 535726N 0274359E
WAC NO : BE/OBJ NO: NPIC NO : - 47-E2
IDHS CODE: EPF CAT : 40C COMIREX NO: [REDACTED]
LENINGRAD SA-5 TRNG SITE C21 SA-X-10 EQUIP UR 593307N 0295658E
WAC NO : BE/OBJ NO: NPIC NO : - 102-P
IDHS CODE: EPF CAT : 40C COMIREX NO: [REDACTED]

25X1

25X1

25X1

25X1

SA-X-10 MISSILE SYSTEM EQUIPMENT WAS OBSERVED AT BOTH MINSK SAM TRAINING FACILITY A06-5 AND LENINGRAD

1132
TOP SECRET CHESS RUFF

25X1

25X1

TOP SECRET CHESS RUFF

25X1

SAM TRAINING FACILITY C21-5 IN THE USSR DURING 1978. OTHER THAN SARY-SHAGAN MISSILE TEST CENTER AND KAPUSTIN YAR SAM FIRING RANGE, MINSK AND LENINGRAD ARE THE ONLY SAM TRAINING FACILITIES WHERE GROUPS, RATHER THAN INDIVIDUAL PIECES OF THE SA-X-10 MISSILE SYSTEM HAVE BEEN OBSERVED. SINCE BOTH OF THESE FACILITIES APPEAR TO BE INVOLVED WITH BASIC FAMILIARIZATION AND HANDS-ON TRAINING WITH THE SA-2, SA-3, AND SA-5 MISSILE SYSTEMS, THE SA-X-10 EQUIPMENT PROBABLY HAS BEEN PLACED AT THESE FACILITIES FOR SIMILAR PURPOSES.

NPIC	SR	SR005-79	JAN 79		SEC CLASS: 14D	MSN:	0005P	ACCN: S086240	25X1
BEREZA AIRFIELD ADV-1 DEPLOYMENT					UR	523328N	0245251E		
	WAC NO :		BE/OBJ NO:		NPIC NO :	-	6		25X1
	IDHS CODE:		EPF CAT :	05A	COMIREX NO:				25X1
PRUZHANY AIRFIELD ADV-1 DEPLOYMENT					UR	523500N	0242247E		
	WAC NO :		BE/OBJ NO:		NPIC NO :	-	61		25X1
	IDHS CODE:		EPF CAT :	05A	COMIREX NO:				25X1
USSURIYSK AIRFIELD SE ADV-1 DEPLOYMENT					UR	434500N	1320035E		
	WAC NO :		BE/OBJ NO:		NPIC NO :	-	49-C		25X1
	IDHS CODE:		EPF CAT :	05A	COMIREX NO:				25X1
PRUZHANY ARMY BARRACKS ADV-1 DEPLOYMENT					UR	523600N	0242345E		
	WAC NO :		BE/OBJ NO:		NPIC NO :	-	61-B1		25X1
	IDHS CODE:		EPF CAT :	35A	COMIREX NO:				25X1
PRUZHANY ARMY BARRACKS ADV-1 DEPLOYMENT					UR	523600N	0242345E		
	WAC NO :		BE/OBJ NO:		NPIC NO :	-	61-B1		25X1
	IDHS CODE:		EPF CAT :	05	COMIREX NO:				25X1
AIRCRAFT, ADV-1 AERODYNAMIC VEHICLE SYSTEM					UR				
	WAC NO :		BE/OBJ NO:		NPIC NO :	-			
	IDHS CODE:		EPF CAT :	05D	COMIREX NO:				

DEPLOYMENT OF A NEW REMOTELY PILOTED VEHICLE SYSTEM, WHICH NPIC HAS DESIGNATED THE ADV-1, HAS BEEN OBSERVED AT BEREZA AIRFIELD, PRUZHANY AIRFIELD, AND USSURIYSK AIRFIELD SOUTHEAST IN THE USSR. EACH OF THESE AIRFIELDS ARE LOCATED NEAR BORDERS AND THIS SUGGESTS THE POSSIBILITY OF A RECONNAISSANCE FUNCTION FOR THE SYSTEM.*

CIA	IRP	IS10004K-79	JAN 79		SEC CLASS: 13	MSN:	0015P	ACCN: S086241	25X1
INDUSTRY, OIL + GAS FIELDS WESTERN SIBERIA					UR				
	WAC NO :		BE/OBJ NO:		NPIC NO :	-			
	IDHS CODE:		EPF CAT :	30A	COMIREX NO:				

ANALYSIS OF 1977 AND 1978 IMAGERY OF THE OIL AND GAS FIELDS IN THE MIDDLE OB DISTRICT IN WEST SIBERIA SHOWS THAT SINCE 1973 BOTH THE NUMBER OF FIELDS THAT HAVE BEEN PUT IN PRODUCTION AND THE NUMBER OF NEW FIELDS THAT HAVE BEEN DEVELOPED HAVE INCREASED CONSIDERABLY. THE TOTAL NUMBER OF FIELDS PRESENT HAS INCREASED TO 69, WITH THE NUMBER IN PRODUCTION INCREASING FROM SEVEN TO 18. THE NUMBER OF WELLS HAS GROWN

TOP SECRET CHESS RUFF

25X1
25X1

[REDACTED] TOP SECRET CHESS RUFF [REDACTED] [REDACTED]

25X1

FROM ABOUT 1,100 IN 1973 TO ABOUT 4,000 IN 1977 AND 1978. THE WELL DRILLING PROGRAM APPEARS TO BE EMPHASIZING FIELD DEVELOPMENT, OR PRODUCTION, RATHER THAN EXPLORATION. DRILLING RIGS ENGAGED IN FIELD DEVELOPMENT IN THE DISTRICT HAVE INCREASED FROM 115 TO 209, WHILE THE NUMBER SEEN ENGAGED IN EXPLORATION HAS INCREASED ONLY SLIGHTLY FROM 37 TO 41.

THE INFRASTRUCTURE TO SUPPORT THIS DEVELOPMENT HAS ALSO EXPANDED. THERE HAVE BEEN MAJOR EXTENSIONS OF ROAD SERVICE AND PIPELINE GATHERING SYSTEMS TO PREVIOUSLY REMOTE OR NONEXISTENT FIELDS AND CONSTRUCTION OF CENTRAL PIPELINE SYSTEMS TO TRANSPORT CRUDE OIL AND NATURAL GAS TO THE WESTERN USSR AND SOUTHEASTWARD TO THE TOMSK AND KUZNETSK BASIN AREAS. SUPPORT BASES HAVE BEEN CONSTRUCTED IN PREVIOUSLY REMOTE FIELDS, SOME WITH SMALL PORT FACILITIES TO SUPPORT BARGE TRAFFIC ON THE NUMEROUS RIVERS FLOWING THROUGH THE REGION. CONSTRUCTION OF A BRANCH RAIL LINE INTO THE REGION HAS PROGRESSED BEYOND SURGUT, TOWARD THE NORTHERN GAS FIELDS.

[REDACTED] 25X1

1134
TOP SECRET CHESS RUFF [REDACTED] [REDACTED]

25X1
25X1

TOP SECRET CHESS RUFF

25X1

25X1

25X1

DIA IIM 5B3-71149-79 FEB 79 SEC CLASS: 13 MSN: 0004P

ACCN: S086249

25X1

BALAKOVO MACHINE BUILDING PLANT DZERZHINSKIY UR 520219N 0474801E
WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 30C COMIREX NO:

225X1

25X1

DIA IIM 5B3-71194-79 08 FEB 79 SEC CLASS: 13 MSN: 0002P

ACCN: S086251

25X1

VERINO AIRFIELD FLAGON AIRCRAFT COUNTS UR 475949N 1350516E

1135
TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC NO : [] BE/OBJ NO: [] NPIC NO : - 200-B
IDHS CODE: [] EPF CAT : 05A COMIREX NO: []

25X1
25X1
25X1

DIA IIM 5B1-71216-79 02 FEB 79 [] SEC CLASS: 14 MSN: [] 0003P ACCN: 5086255 25X1

BALVI AVTOKOLONNA

WAC NO : [] BE/OBJ NO: [] NPIC NO : -
IDHS CODE: [] EPF CAT : 85A COMIREX NO:

225X1

DIA IIM 5B1-71197-79 06 FEB 79 [] SEC CLASS: 14 MSN: [] 0006P ACCN: 5086256 25X1

MISSILES, SA-1 PROPELLANT + CMPNT SUPT IDENT

WAC NO : [] BE/OBJ NO: [] NPIC NO : -
IDHS CODE: [] EPF CAT : 40C COMIREX NO:

CHEKHOV PETROLEUM PRODUCTS STORAGE U/G

WAC NO : [] BE/OBJ NO: [] NPIC NO : - 70-B4
IDHS CODE: [] EPF CAT : 80A COMIREX NO:

25X1

RUMYANTSEVO PETROLEUM PRODUCTS STORAGE

WAC NO : [] BE/OBJ NO: [] NPIC NO : - 20-A
IDHS CODE: [] EPF CAT : 80A COMIREX NO:

25X1

MOSKVA PETROLEUM PROD STGE PAVLOVSKIY POSAD

WAC NO : [] BE/OBJ NO: [] NPIC NO : - 195
IDHS CODE: [] EPF CAT : 80A COMIREX NO: []

25X1
25X1

A SEARCH OF THE MOSCOW AREA HAS IDENTIFIED THREE MAJOR SA-1 PROPELLANT AND COMPONENT SUPPORT FACILITIES

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WHICH DIRECTLY SUPPORT THE SEVEN LARGE SA-1 ASSEMBLY AND SUPPORT FACILITIES AROUND MOSCOW. THREE FACILITIES HAVE PREVIOUSLY BEEN IDENTIFIED AS THE MOSKVA PETROLEUM PRODUCTS STORAGE PAVLOVSKIY POSAD, THE RUMYANTSEVO PETROLEUM PRODUCTS STORAGE, AND THE CHEKHOV PETROLEUM PRODUCTS STORAGE UG. IDENTIFICATION WAS MADE POSSIBLE WITH THE ASSOCIATION OF THE SPECIAL MUNITIONS RAILCAR SEEN AT THE THREE SA-1 PROPELLANT AND COMPONENT SUPPORT FACILITIES AND AT ALL SEVEN OF THE MISSILE ASSEMBLY AND SUPPORT FACILITIES.

25X1

DIA IIM 5B1-71199-79 31 JAN 79 SEC CLASS: 14B MSN: 0004P ACCN: S086259

25X1

MGA ENGINEER STORAGE FACILITY

WAC NO :
IDHS CODE:

BE/OBJ NO:
EPF CAT : 35F

UR 594523N 0310140E
NPIC NO : -
COMIREX NO:

25X25X1

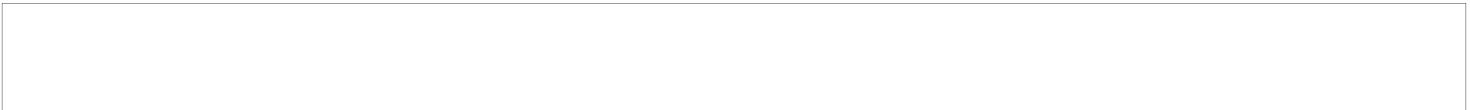
25X1

1137
TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1



25X1

DIA IIM 5B1-71200-79 08 FEB 79 [redacted] SEC CLASS: 14B MSN: [redacted] 0003P ACCN: S086264 25X1

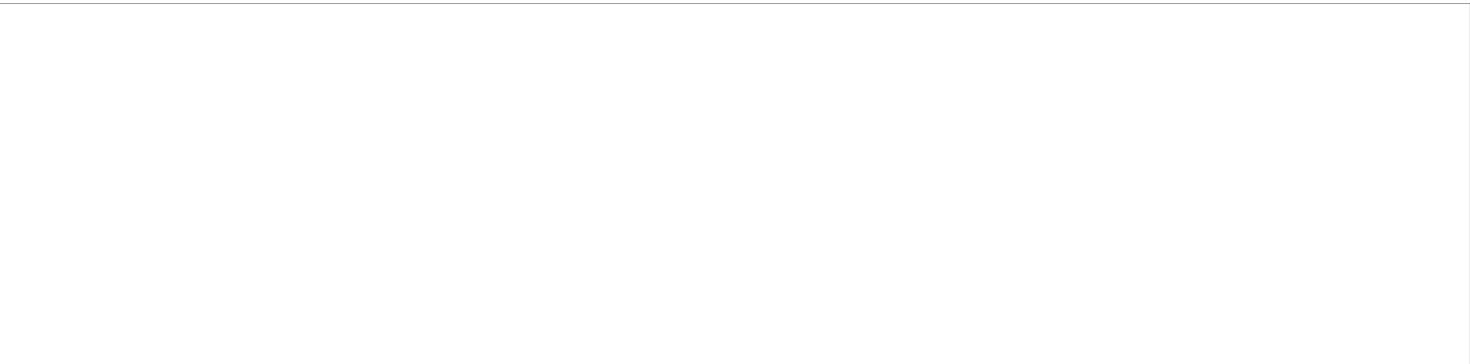
PAWLOWICE MILITARY BKS TERRITORIAL DEF PROB PL 495743N 0184144E
WAC NO : [redacted] BE/OBJ NO: NPIC NO : -
IDHS CODE: [redacted] EPF CAT : 35A COMIREX NO:

25X1

DIA IIM 5B1-71222-79 08 FEB 79 [redacted] SEC CLASS: 14B MSN: [redacted] 0003P ACCN: S086265 25X1

WADOWICE ARMY BARRACKS 2 PL 495329N 0192930E
WAC NO : [redacted] BE/OBJ NO: [redacted] NPIC NO : -
IDHS CODE: [redacted] EPF CAT : 35A COMIREX NO:

25X1



25X1

AF PAR 711-78 22 DEC 78 [redacted] SEC CLASS: 13 MSN: 0008P ACCN: S086267 25X1

TYURATAM MTC SPACE SITE G3/4 UR 460423N 0625849E
WAC NO : [redacted] BE/OBJ NO: [redacted] NPIC NO : - 6-E5
IDHS CODE: [redacted] EPF CAT : 40H COMIREX NO: [redacted]

25X1

25X1

1138
TOP SECRET CHESS RUFF

25X1

25X1



TOP SECRET CHESS RUFF

25X1

THIS REPORT PROVIDES AN UPDATED PHOTO ANALYSIS OF LAUNCH FACILITY G3 AND G4, TYURATAM MISSILE TEST CENTER. IT INCLUDES A DESCRIPTION OF NEW CONSTRUCTION, LISTING OF RECURRING PRELAUNCH AND POSTLAUNCH ACTIVITIES, AND A FACILITIES COMPARISON TO LAUNCH SITE U1 AND U2.

THIS UPDATE IS BASED ON EXAMINATION OF KEYHOLE IMAGERY FROM JULY 1972, IT IS KEYED TO DRAWINGS 78E6545 AND 78E6546. THIS REPORT UPDATES PARS 69-618 AND 72-536.*

25X1
25X1!5X1

25X1

AF PAR 739-78 05 JAN 79 SEC CLASS: 13 MSN: 0016P ACCN: S086269 25X1

PLESETSK MTC WAC NO : BE/OBJ NO: UR 625746N 0402346E
IDHS CODE: EPF CAT : 40E NPIC NO : - 27
COMIREX NO:

25X1
25X1

AN ACTIVITY UPDATE OF THE PLESETSK MISSILE AND SPACE CENTER USING ALL AVAILABLE IMAGERY IS CONTAINED IN THIS REPORT. ADDITIONAL REFERENCES INCLUDE PARS 77-610 AND 78-721, AND DRAWINGS 77E6518, 78E1514 AND 78E1515.

25X1
25X1

1139
TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

MAJOR TOPICS IN THIS REPORT INCLUDE: DIMENSIONS OF BUILDINGS AT MOBILE ICBM LAUNCH SITES 1 AND 2; DIMENSIONS OF BUILDINGS AT LAUNCH SITE 5; DIMENSIONS OF THE NEW ASSEMBLY BUILDING AT SPACE SITE 1; REVIEW OF CONSTRUCTION AT SPACE SITE 3; ANALYSIS OF THE NORTH PAD; DIMENSIONS AND STATUS OF THE NORTHERNMOST BUNKERED READY BUILDING; AND STATUS OF THE RAIL SPUR AT SPACE SITE 27; DESCRIPTION AND DIMENSIONS OF THE TWO NEW PROBABLE SILOS UNDER CONSTRUCTION AT LAUNCH SITE 28; DIMENSIONS OF THE CYLINDRICAL TANKS AND STATUS OF THE U/I CONSTRUCTION AT LAUNCH TEST SITE 14; DIMENSIONS OF THE ASSEMBLY BUILDING UNDER CONSTRUCTION IN THE SPACE-RELATED AREA OF THE RIC FACILITY; AND A READOUT OF ALL OTHER MSC FACILITIES.*

AF PAR 502-79 09 JAN 79 [] SEC CLASS: 13 MSN: 0003P ACCN: S086270 25X1

BARNAUL SPACE TRACKING FAC 12-METER DISH ANT UR 531832N 0832159E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 2-M 25X1
IDHS CODE: [] EPF CAT : 25C COMIREX NO: [] 25X1
TYURATAM MTC TRACKING FAC 5 12-METER DISH ANT UR 515333N 0672113E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 18 25X1
IDHS CODE: [] EPF CAT : 25C COMIREX NO: [] 25X1
TYURATAM MTC COMPLEX C TRKG FAC 12-METER DISH UR 4558 N 06340 E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 25X1
IDHS CODE: [] EPF CAT : 25C COMIREX NO: []
TYURATAM MTC ESV TRKG FAC 12-METER DISH ANT UR 455426N 0632015E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 6-04 25X1
IDHS CODE: [] EPF CAT : 25C COMIREX NO: [] 25X1
ELECTRONICS, 12-METER DISH ANTS TYURATAM MTC UR
WAC NO : [] BE/OBJ NO: [] NPIC NO : -
IDHS CODE: [] EPF CAT : 25C COMIREX NO: []

ANALYSIS OF THE FEEDS ON THE 12-METER DISH ANTENNAS DEPLOYED AT FOUR TYURATAM INSTRUMENTATION FACILITIES IS PROVIDED. OF THE FOUR DIFFERENT ANTENNAS (DESIGNATED TNA-57 BY THE SOVIETS), THERE ARE THREE DIFFERENT FEED CONFIGURATIONS.*

AF PAR 714-78 12 DEC 78 [] SEC CLASS: 13 MSN: 0021P ACCN: S086271 25X1

CHINGMEN SEAPLANE STATION CH 305900N 1120335E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 35-A 25X1
IDHS CODE: [] EPF CAT : 05B COMIREX NO: [] 25X1

THIS REPORT AND ASSOCIATED DRAWING 78E6549 PROVIDES A LAYOUT DRAWING OF THE RUNWAY/RAMP, THE LARGE MAINTENANCE/MODIFICATION HANGAR, AND THE SUPPORT FACILITIES IN THE AREA OF CHING-MEN SEAPLANE STATION. IT INCLUDES A CHRONOLOGY OF THE CONSTRUCTION EFFORT AND A PERSPECTIVE VIEW OF THE LARGE HANGAR; DELINEATES THE DIFFERENT AREAS OF THE COMPLEX; AND IDENTIFIES ELECTRICAL SUB-STATIONS, POWER PLANTS, STEAM LINES, ETC.*

AF PAR 740-78 26 DEC 78 [] SEC CLASS: 13 MSN: 0005P ACCN: S086272 25X1

1140
TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

MISSILES, AAM COMPONENTS/HARDWARE

WAC NO :	BE/OBJ NO:	NPIC NO :	-
IDHS CODE:	EPF CAT : 40J	COMIREX NO:	
MOSKVA MISSILE PRODUCTION PLANT FILI 23		UR	554530N 0372928E
WAC NO :	BE/OBJ NO:	NPIC NO :	- 46-I
IDHS CODE:	EPF CAT : 40E	COMIREX NO:	
MOSKVA GUIDED MISSILE + SPACE RSCH CTR REUTOV		UR	554547N 0375209E
WAC NO :	BE/OBJ NO:	NPIC NO :	- 58-N
IDHS CODE:	EPF CAT : 40E	COMIREX NO:	
MOSKVA GUIDED MISSILE + SPACE RSCH CTR REUTOV		UR	554547N 0375209E
WAC NO :	BE/OBJ NO:	NPIC NO :	- 58-N
IDHS CODE:	EPF CAT : 40H	COMIREX NO:	
FAUSTOVO AEROSPACE R+D FACILITY		UR	552746N 0383143E
WAC NO :	BE/OBJ NO:	NPIC NO :	- 50-B
IDHS CODE:	EPF CAT : 40H	COMIREX NO:	

25X1
25X1
25X1
25X1
25X1
25X1

THIS REPORT PRESENTS THE RESULTS OF A SEARCH FOR THE POSSIBLE EXISTENCE OF AIR-TO-AIR MISSILES/COMPONENTS/HARDWARE WITHIN FAUSTOVO AEROSPACE R+D FACILITY, MOSKVA GUIDED MISSILE AND SPACE RESEARCH CENTER REUTOV, AND MOSKVA MISSILE PRODUCTION PLANT FILI 23. THESE FACILITIES WERE REVIEWED EVERY SIX MONTHS ON KEYHOLE IMAGERY FROM JUNE 1974 THROUGH NOVEMBER 1978 AS APPLICABLE. INCLUDED IN THE REPORT IS A CHART WHICH SHOWS KNOWN AIR-TO-AIR MISSILE SIZES/SHIPPING CRATES FOR SIZE REFERENCE. ALSO INCLUDED ARE UNIDENTIFIED AIR-TO-AIR MISSILE SIZES/SHIPPING CRATES.*

AF PAR 735-78 26 DEC 78 [] SEC CLASS: 13 MSN: 0016P ACCN: 5086273 25X1

ELECTRONICS, ICBM TYPE 3H GUIDANCE RLTD FAC

WAC NO :	BE/OBJ NO:	NPIC NO :	-
IDHS CODE:	EPF CAT : 25C	COMIREX NO:	

UR

THIS REPORT PROVIDES AN UPDATED ANALYSIS OF THE GUIDANCE RELATED FACILITIES AT YEDROVO ICBM LAUNCH GROUPS I AND L (20 SITES). IT FURTHER PROVIDES ANALYSIS OF THE GUIDANCE RELATED FACILITIES PRIOR TO AND AFTER RECONFIGURATION OF THE SITES IN YEDROVO ICBM LAUNCH GROUP J (10 SITES), KOSTROMA ICBM LAUNCH GROUP I (10 SITES), AND TYURATAM ICBM LAUNCH TEST SITES V1, V2, V3, V4, AND V5. THE REPORT SUPERSEDES PAR 76-697, AND INCORPORATES INFORMATION FROM PAR 77-692. A LISTING OF THE AZIMUTHS AND DISTANCES (IN METERS) OF THE MARKERS FROM THE CENTER OF THE SILO FOLLOWS EACH LAUNCH SITE DESCRIPTION, WHERE APPLICABLE.*

25X1

1141
TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

THIS MEMO PROVIDES THE NUMBER, TYPE AND ORIENTATION OF ANTENNAS LOCATED AT AND A CURRENT DESCRIPTION OF THE TYUMEN TV AND FM BROADCASTING CENTER.*

AF ENDR E6548-78 25 OCT 78 [] SEC CLASS: 13 MSN: 0001P ACCN: S086275 25X1

TYURATAM MTC SPACE SITE U1/2 UTILITY SYS U/G UR 460214N 0630212E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 6-Y7
IDHS CODE: [] EPF CAT : 40H COMIREX NO: []

25X1
25X1

THIS DRAWING SUPPLEMENTS PARS 78-712 AND 74-606.*

AF ENDR E6549-78 20 NOV 78 [] SEC CLASS: 13 MSN: 0001P ACCN: S086276 25X1

CHINGMEN SEAPLANE STATION CH 305900N 1120335E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 35-A
IDHS CODE: [] EPF CAT : 05B COMIREX NO: []

25X1
25X1

THIS DRAWING SUPPLEMENTS PAR 78-714.*

25X1

AF ENDR E4502-79 05 JAN 79 [] SEC CLASS: 13 MSN: 0001P ACCN: S086278 25X1

MISSILES, ICBM TYPE 3F SILO APRON HEIGHTS UR
WAC NO : [] BE/OBJ NO: [] NPIC NO : -
IDHS CODE: [] EPF CAT : 40A COMIREX NO: []

25X1

1142
TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

25X1

AF ENDR E6545-78 30 OCT 78 [] SEC CLASS: 13 MSN: 0001P ACCN: S086281 25X1

TYURATAM MTC SPACE SITE G3/4 UR 460423N 0625849E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 6-E5 25X1
IDHS CODE: [] EPF CAT : 40H COMIREX NO: [] 25X1

THIS DRAWING SUPERSEDES DRAWING 69D6543 AND SUPPLEMENTS PARS 78-711, 72-536, AND 69-618.*

AF ENDR E6546-78 30 OCT 78 [] SEC CLASS: 13 MSN: 0001P ACCN: S086282 25X1

TYURATAM MTC SPACE SITE G3/4 UTILITY SYS U/G UR 460423N 0625849E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 6-E5 25X1
IDHS CODE: [] EPF CAT : 40H COMIREX NO: [] 25X1

THIS DRAWING SUPPLEMENTS PARS 78-711, 72-536, 69-618 AND SUPERSEDES DRAWING 69D6560.*

AF ENDR E6547-78 25 OCT 78 [] SEC CLASS: 13 MSN: 0001P ACCN: S086283 25X1

TYURATAM MTC SPACE SITE U1/2 UR 460214N 0630212E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 6-Y7 25X1
IDHS CODE: [] EPF CAT : 40H COMIREX NO: [] 25X1

THIS DRAWING SUPPLEMENTS PARS 78-712 AND 74-606.*

AF ENDR D6554-1-78 15 JAN 79 [] SEC CLASS: 13 MSN: 0001P ACCN: S086284 25X1

MISSILES, SS-11 PROPELLANT TRANSFER FAC MODIF UR
WAC NO : [] BE/OBJ NO: [] NPIC NO : -
IDHS CODE: [] EPF CAT : 40A COMIREX NO: []

25X1

1143
TOP SECRET CHESS RUFF

25X1
25X1

Page Denied

[Redacted]

TOP SECRET CHESS RUFF

[Redacted]

[Redacted]

25X1

[Large Redacted Area]

25X1

DIA IIM 5B1-71208-79 12 FEB 79 [Redacted] SEC CLASS: 13 MSN: [Redacted] 0002P ACCN: S086296 25X1
 DEVECSER AMMUNITION DEPOT MEGYES ERDO 501 PUG HU 470502N 0172407E
 WAC NO : [Redacted] BE/OBJ NO: [Redacted] NPIC NO : - 93 25X1
 IDHS CODE: [Redacted] EPF CAT : 35F COMIREX NO: [Redacted] 25X1

DIA IIM 5B1-71247-79 05 FEB 79 [Redacted] SEC CLASS: 14 MSN: [Redacted] 0003P ACCN: S086297 25X1
 RYAZAN AVTOKOLONNA 2947 UR 543639N 0394051E
 WAC NO : [Redacted] BE/OBJ NO: [Redacted] NPIC NO : - 25X1
 IDHS CODE: [Redacted] EPF CAT : 85A COMIREX NO: [Redacted]

DIA IIM 5B3-71245-79 12 FEB 79 [Redacted] SEC CLASS: 13 MSN: [Redacted] 0010P ACCN: S086298 25X1
 AIRCRAFT, BEAR F TU-95 COUNTS UR
 WAC NO : [Redacted] BE/OBJ NO: [Redacted] NPIC NO : -
 IDHS CODE: [Redacted] EPF CAT : 05D COMIREX NO: [Redacted]

1145
TOP SECRET CHESS RUFF

[Redacted]

[Redacted]

25X1
25X1

TOP SECRET CHESS RUFF

25X1

THIS REPORT GIVES THE NUMBER OF BEAR F VARIANT AIRCRAFT WITH THE AFT EXTENDING POD ON THE VERTICAL STABILIZER AND THE TOTAL NUMBER OF BEAR F AIRCRAFT AT SELECTED LOCATIONS IN THE USSR.*

25X1

AF PAR 712-78 20 DEC 78 [] SEC CLASS: 13 MSN: 0015P ACCN: S086300 25X1

TYURATAM MTC SPACE SITE U1/2

UR 460214N 0630212E

WAC NO : []
IDHS CODE: []

BE/OBJ NO: []
EPF CAT : 40H

NPIC NO : - 6-Y7
COMIREX NO: []

25X1
25X1

THIS REPORT PROVIDES AN UPDATED ANALYSIS OF TYURATAM MISSILE TEST CENTER LAUNCH FACILITY U1 AND U2. IT INCLUDES A DESCRIPTION OF NEW CONSTRUCTION, A LISTING OF RECURRING PRELAUNCH AND POSTLAUNCH ACTIVITIES, AND A FACILITIES COMPARISON TO LAUNCH SITE G3 AND G4.

ADDITIONAL REFERENCES INCLUDE FTD DRAWINGS 78E6547, 78E6548, 74D3508, 78E6545, 69C4538, 74E6511, 74D4514, 74D3505, 77E1516; PARS 74-606 AND 77-659; AND BIIR RFB22/0018/75.*

CIA INFR IS10022K-79 05 FEB 79 [] SEC CLASS: 13 MSN: 0004P ACCN: S086301 25X1

NUCLEAR, SEISMIC EVENTS JANUARY - AUGUST 1978

UR

WAC NO : []
IDHS CODE: []

BE/OBJ NO: []
EPF CAT : 55A

NPIC NO : -
COMIREX NO: []

25X1

BETWEEN JANUARY AND AUGUST 1978, LOW AMPLITUDE SEISMIC SIGNALS OF UNKNOWN ORIGIN WERE DETECTED FROM SIX LOCATIONS WITHIN THE SOVIET UNION BY THE US ATOMIC ENERGY DETECTION SYSTEM (USAEDS).

IN AN EFFORT TO IDENTIFY THE CAUSES OF THESE SIX SIGNALS, OIA HAS SEARCHED AVAILABLE PRE- AND POST-EVENT SATELLITE IMAGERY OF THEIR LOCATIONS. OIA FOUND NO EVIDENCE OF NUCLEAR TESTING ACTIVITY IN ANY

1146

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

OF THE AREAS SEARCHED. THERE WERE ONLY TWO CASES WHERE ESSENTIALLY COMPLETE PHOTOGRAPHIC COVERAGE WAS AVAILABLE OVER THE LOCATIONS BOTH BEFORE AND AFTER THE SEISMIC EVENT. ONE OF THESE TWO SEISMIC EVENTS PROBABLY RESULTED FROM THE DETONATION OF A HIGH EXPLOSIVE (HE) ROW CHARGE AS PART OF A CANAL BUILDING PROJECT. THE OTHER PROBABLY RESULTED FROM A SMALL EARTHQUAKE.

ALTHOUGH THERE WAS PRE-EVENT IMAGERY OF THE REMAINING FOUR LOCATIONS, TWO WERE ONLY PARTIALLY COVERED BY POST-EVENT IMAGERY AND TWO OTHERS WERE NOT COVERED BY POST-EVENT IMAGERY AT ALL. THESE FOUR EVENTS PROBABLY RESULTED FROM EITHER HE DETONATIONS OR SMALL EARTHQUAKES.

CIA INFR IS10015K-79 29 JAN 79 [] SEC CLASS: 13 MSN: 0006P ACCN: S086302 25X1

DUNAY SUBMARINE BASE + SHIP REPAIR YARD EXPSN	UR	425400N	1322110F	
WAC NO : []	BE/OBJ NO: []	NPIC NO :	-	4-C
IDHS CODE: []	EPF CAT : 75A	COMIREX NO: []		
DUNAY SUBMARINE BASE + SHIP REPAIR YARD EXPSN	UR	425400N	1322110F	
WAC NO : []	BE/OBJ NO: []	NPIC NO :	-	4-C
IDHS CODE: []	EPF CAT : 75E	COMIREX NO: []		

DUNAY SUBMARINE BASE AND SHIP REPAIR YARD RAZBOYNIK BAY -- A SMALL PACIFIC FLEET REPAIR BASE WHICH HAS BEEN INVOLVED IN THE REFITTING AND REFUELING OF NUCLEAR-POWERED SUBMARINES -- IS CURRENTLY UNDERGOING MAJOR EXPANSION THAT WILL PROBABLY PROVIDE IT WITH THE CAPABILITY TO PERFORM COMPLETE SUBMARINE OVERHAULS. IF THIS EXPANSION PROCEEDS ACCORDING TO OIA'S EXPECTATIONS, RAZBOYNIK BAY WILL BECOME THE ONLY PACIFIC FLEET REPAIR FACILITY WHICH CAN OVERHAUL D-II AND D-III-CLASS NUCLEAR-POWERED BALLISTIC MISSILE SUBMARINES (SSBNs).

EXPANSION OF FACILITIES AT RAZBOYNIK BAY INCLUDES: CONSTRUCTION OF A LARGE SHOP/ENGINEERING BUILDING WHICH IS ABOUT 50 PERCENT COMPLETE; EXTENSIVE EXCAVATION ACTIVITY IN PREPARATION FOR THE POSSIBLE CONSTRUCTION OF AN ON-LAND, COVERED REPAIR HALL; DREDGING OF A POSSIBLE SUBMERGING TRENCH FOR A FLOATING DRYDOCK; THE BASING AT RAZBOYNIK BAY OF A LARGE, JAPANESE-BUILT FLOATING DRYDOCK; AND THE CONSTRUCTION OF NEW APARTMENTS, A SUBSTATION, AND A RAIL SPUR TO SERVE THE FACILITY.

25X1

1147
TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X4
25X1

25X1

CIA INFR IS10018J-79 06 FEB 79 SEC CLASS: 25AX MSN: 0025P ACCN: S086305 25X1

MOSKVA GUIDED MSL + A/C PLT 464 CONST SUMMARY	UR 555544N 0373027E	
WAC NO : [] BE/OBJ NO: []	NPIC NO : - 58-J	25X1
IDHS CODE: [] EPF CAT : 40E	COMIREX NO: []	25X1
MOSKVA GUIDED MSL + A/C PLT 464 CONST SUMMARY	UR 555544N 0373027E	
WAC NO : [] BE/OBJ NO: []	NPIC NO : - 58-J	25X1
IDHS CODE: [] EPF CAT : 05G	COMIREX NO: []	25X1
MOSKVA GUIDED MISSILE PLANT 41 CONST SUMMARY	UR 554939N 0373023E	
WAC NO : [] BE/OBJ NO: []	NPIC NO : - 46-L1	25X1
IDHS CODE: [] EPF CAT : 40E	COMIREX NO: []	25X1
KIROV MISSILE + A/C CMPNTS PLT CONST SUMMARY	UR 583834N 0493709E	
WAC NO : [] BE/OBJ NO: []	NPIC NO : - 5-N1	25X1
IDHS CODE: [] EPF CAT : 40E	COMIREX NO: []	25X1
KIROV MISSILE + A/C CMPNTS PLT CONST SUMMARY	UR 583834N 0493709E	
WAC NO : [] BE/OBJ NO: []	NPIC NO : - 5-N1	25X1
IDHS CODE: [] EPF CAT : 05G	COMIREX NO: []	25X1
KOVROV GUIDED MSL/MACH/ARMS PLT CONST SUMMARY	UR 562208N 0411934E	
WAC NO : [] BE/OBJ NO: []	NPIC NO : - 30-A	25X1
IDHS CODE: [] EPF CAT : 40E	COMIREX NO: []	25X1
KOVROV GUIDED MSL/MACH/ARMS PLT CONST SUMMARY	UR 562208N 0411934E	
WAC NO : [] BE/OBJ NO: []	NPIC NO : - 30-A	25X1
IDHS CODE: [] EPF CAT : 30C	COMIREX NO: []	25X1
KOVROV GUIDED MSL/MACH/ARMS PLT CONST SUMMARY	UR 562208N 0411934E	
WAC NO : [] BE/OBJ NO: []	NPIC NO : - 30-A	25X1
IDHS CODE: [] EPF CAT : 35G	COMIREX NO: []	25X1
SVERDLOVSK GUIDED MISSILE PLT 8 CONST SUMMARY	UR 565213N 0603707E	
WAC NO : [] BE/OBJ NO: []	NPIC NO : - 26-C	25X1
IDHS CODE: [] EPF CAT : 40E	COMIREX NO: []	25X1
LENINGRAD GUIDED MSL PLANT 458 CONST SUMMARY	UR 595934N 0301721E	
WAC NO : [] BE/OBJ NO: []	NPIC NO : - 36-U1	25X1

1148
TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

VOTKINSK MISSILE ASBLY/CHECKOUT CONST SUMMARY	EPF CAT : 40E	COMIREX NO: []	25X1
WAC NO : []	BE/OBJ NO: []	UR 570224N 0540830E	
IDHS CODE: []	EPF CAT : 40E	NPIC NO : - 13-E	25X1
VOTKINSK MISSILE/MACH/STEEL PLT CONST SUMMARY	EPF CAT : 40E	COMIREX NO: []	25X1
WAC NO : []	BE/OBJ NO: []	UR 570242N 0535903E	
IDHS CODE: []	EPF CAT : 40E	NPIC NO : - 13-B	25X1
VOTKINSK MISSILE/MACH/STEEL PLT CONST SUMMARY	EPF CAT : 40E	COMIREX NO: []	25X1
WAC NO : []	BE/OBJ NO: []	UR 570242N 0535903E	
IDHS CODE: []	EPF CAT : 30C	NPIC NO : - 13-B	25X1
KRASNOYARSK ARMS PLT VOROSHILOV CONST SUMMARY	EPF CAT : 30C	COMIREX NO: []	25X1
WAC NO : []	BE/OBJ NO: []	UR 560054N 0925913E	
IDHS CODE: []	EPF CAT : 35G	NPIC NO : - 7-C	25X1
ZLATOUST ARMAMENT PLANT 66 CONST SUMMARY	EPF CAT : 35G	COMIREX NO: []	25X1
WAC NO : []	BE/OBJ NO: []	UR 550617N 0594223E	
IDHS CODE: []	EPF CAT : 35G	NPIC NO : - 22-F	25X1
ARSENYEV AIRFRAME PLANT 116 CONST SUMMARY	EPF CAT : 35G	COMIREX NO: []	25X1
WAC NO : []	BE/OBJ NO: []	UR 440859N 1331523E	
IDHS CODE: []	EPF CAT : 05G	NPIC NO : - 44	25X1
IVANKOVSKIY GUIDED MISSILE PLT CONST SUMMARY	EPF CAT : 05G	COMIREX NO: []	25X1
WAC NO : []	BE/OBJ NO: []	UR 564521N 0370700E	
IDHS CODE: []	EPF CAT : 40E	NPIC NO : - 18-A	25X1
ORENBURG GUIDED MISSILE PLT 47 CONST SUMMARY	EPF CAT : 40E	COMIREX NO: []	25X1
WAC NO : []	BE/OBJ NO: []	UR 514818N 0550802E	
IDHS CODE: []	EPF CAT : 40E	NPIC NO : - 2-B	25X1
OMSK AIRFRAME PLANT 166 CONSTRUCTION SUMMARY	EPF CAT : 40E	COMIREX NO: []	25X1
WAC NO : []	BE/OBJ NO: []	UR 545759N 0732748E	
IDHS CODE: []	EPF CAT : 05G	NPIC NO : - 5-A	25X1
MOSKVA MISSILE PROD PLT FILI 23 CONST SUMMARY	EPF CAT : 05G	COMIREX NO: []	25X1
WAC NO : []	BE/OBJ NO: []	UR 554530N 0372928E	
IDHS CODE: []	EPF CAT : 40E	NPIC NO : - 46-I	25X1
DNEPROPETROVSK MISSILE DPC CONST SUMMARY	EPF CAT : 40E	COMIREX NO: []	25X1
WAC NO : []	BE/OBJ NO: []	UR 482601N 0345828E	
IDHS CODE: []	EPF CAT : 40E	NPIC NO : - 7-C	25X1
		COMIREX NO: []	25X1

THIS PAPER UPDATES AN EARLIER OIA STUDY TO DETERMINE GENERAL GROWTH PATTERNS OF THAT PART OF THE SOVIET MISSILE INDUSTRY INVOLVED IN THE SERIES PRODUCTION OF SLBMS, SSMS, AND CRUISE MISSILES, [] ONE OF THE ORIGINAL 11 PLANTS, DNEPROPETROVSK PLANT 192, IS EXCLUDED FROM THIS MEMORANDUM BECAUSE IT IS NOT INVOLVED IN MISSILE AIRFRAME PRODUCTION AND, SIX ADDITIONAL PLANTS, ALL INVOLVED WITH SAM AIRFRAME PRODUCTION, HAVE BEEN ADDED. A BRIEF DESCRIPTION OF THE PLANT AND ITS REPORTED PRODUCTION AND A TABLE LISTING THE CONSTRUCTION CHRONOLOGY OF MAJOR FABRICATION/ASSEMBLY BUILDINGS SINCE 1963 ARE INCLUDED FOR EACH PLANT.

25X1

TOP SECRET CHESS RUFF

25X1

25X1

TOP SECRET CHESS RUFF

25X1
25X1

CIA INFR 1S10014K-79 02 FEB 79 [] SEC CLASS: 13 MSN: 0004P ACCN: S086306 25X1

NERYUNGRI COAL PROCESSING FAC/POWER PLANT U/C UR 5640 N 12440 E
WAC NO : 0129 BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 30B COMIREX NO:
NERYUNGRI COAL PROCESSING FAC/POWER PLANT U/C UR 5640 N 12440 E
WAC NO : 0129 BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 30E COMIREX NO:

RECENT SATELLITE PHOTOGRAPHY OF NERYUNGRI, USSR, HAS REVEALED CONSIDERABLE DEVELOPMENT OF FACILITIES ASSOCIATED WITH COAL MINING SINCE THE AREA WAS LAST COVERED BY INTERPRETABLE PHOTOGRAPHY IN SEPTEMBER 1976. THIS DEVELOPMENT INCLUDES COMPLETION OF A RAIL LINE WHICH EXTENDS 200 KILOMETERS NORTH FROM THE BAYKAL-AMUR MAINLINE (BAM) RAILROAD TO NERYUNGRI AND THE START OF CONSTRUCTION OF A COAL PROCESSING PLANT AND A POSSIBLE THERMAL POWER PLANT. ACCORDING TO SOVIET REPORTS, THE NERYUNGRI AREA WILL PRODUCE 13 MILLION TONS OF COAL PER YEAR WHEN DEVELOPMENT IS COMPLETE. NINE MILLION TONS WILL BE USED FOR COKING; FOUR MILLION TONS WILL BE USED AS FUEL FOR SEVERAL POWER PLANTS IN THE EASTERN USSR. MOST OF THE COKING COAL WILL BE EXPORTED TO JAPAN.

NPIC MEMO Z2400-79 07 MAY 79 Z2400-79 SEC CLASS: 05 MSN: 0002P ACCN: S086307

SANTIAGO DE CUBA OPTICAL SATELLITE TRKG FAC CU 200040N 0753735W
WAC NO : [] BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 25C COMIREX NO:
PINA DEL RIO OPTICAL SATELLITE TRACKING FAC CU 215520N 0842845W
WAC NO : [] BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 25C COMIREX NO:

25X1

25X1

CIA INFR 1S10017K-79 31 JAN 79 [] SEC CLASS: 14 MSN: 0003P ACCN: S086308 25X1

ELVIRA SATELLITE TRKG/SIGINT FACIL POSS SOV PE 050848S 0725245W
WAC NO : [] BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 25C COMIREX NO:

25X1

25X1

NO TRACKING OR SIGNALS INTELLIGENCE EQUIPMENT WAS IDENTIFIED ON THE LIMITED AREA COVERAGE AVAILABLE TO OIA. HOWEVER, ONE INSTALLATION IS UNDER CONSTRUCTION IN THE GENERAL AREA. ITS ACTUAL FUNCTION HAS NOT YET BEEN DETERMINED, BUT IT COULD POSSIBLY BE THE SOVIET FACILITY, STILL UNDER CONSTRUCTION.

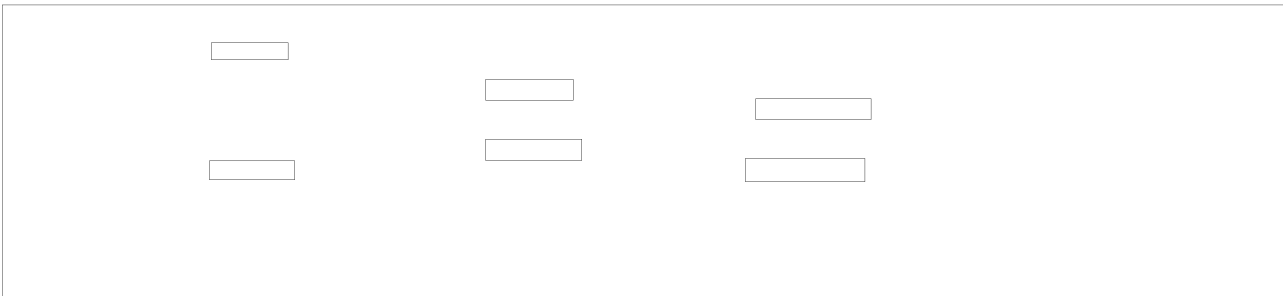
25X1
25X1

1150
TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1



25X1

25X1

25X1

25X1

25X1

25X1

CIA INFR IS10268K-78 18 JAN 79 [redacted] SEC CLASS: 13 MSN: 0016P ACCN: 5086310 25X1

ZOD ARARAT GOLD PLANT	BE/OBJ NO: [redacted]	UR 395030N 0444420F	25X1
WAC NO : [redacted]	EPF CAT : 30B	NPIC NO : -	25X1
IDHS CODE: [redacted]		COMIREX NO: [redacted]	
TSENTRALNYY GOLD COMPLEX	BE/OBJ NO: [redacted]	UR 551245N 0873845E	25X1
WAC NO : [redacted]	EPF CAT : 30B	NPIC NO : -	25X1
IDHS CODE: [redacted]		COMIREX NO: [redacted]	
SEVERO YENISEY GOLD COMPLEX	BE/OBJ NO: [redacted]	UR 602230N 0930245E	25X1
WAC NO : [redacted]	EPF CAT : 30B	NPIC NO : -	25X1
IDHS CODE: [redacted]		COMIREX NO: [redacted]	
PLAST GOLD COMPLEX	BE/OBJ NO: [redacted]	UR 542211N 0604914E	25X1
WAC NO : [redacted]	EPF CAT : 30B	NPIC NO : -	25X1
IDHS CODE: [redacted]		COMIREX NO: [redacted]	
BEREKULSKIY GOLD CONCENTRATION PLANT	BE/OBJ NO: [redacted]	UR 553130N 0880800F	25X1
WAC NO : [redacted]	EPF CAT : 30B	NPIC NO : -	25X1
IDHS CODE: [redacted]		COMIREX NO: [redacted]	
AKSU GOLD PROCESSING PLANT	BE/OBJ NO: [redacted]	UR 522700N 0715615E	25X1
WAC NO : [redacted]	EPF CAT : 30B	NPIC NO : -	25X1
IDHS CODE: [redacted]		COMIREX NO: [redacted]	
AKSU GOLD PLANT NORTH	BE/OBJ NO: [redacted]	UR 522955N 0720155E	25X1
WAC NO : [redacted]	EPF CAT : 30B	NPIC NO : -	25X1
IDHS CODE: [redacted]		COMIREX NO: [redacted]	

THIS STUDY IS PART OF AN EFFORT BY THE OFFICE OF ECONOMIC RESEARCH AND THE OFFICE OF IMAGERY ANALYSIS TO IMPROVE THE CIA'S ESTIMATE OF SOVIET GOLD PRODUCTION. IT PROVIDES INFORMATION ON SEVEN SOVIET GOLD PRODUCTION PLANTS. THE PLANTS ARE PART OF A GROUP OF 16 KNOWN OR SUSPECTED GOLD PLANTS FOR WHICH LITTLE PRODUCTION DATA IS AVAILABLE. ANALYSIS OF THE OTHER NINE PLANTS IS CONTAINED IN A PREVIOUS OIA REPORT.

1151
TOP SECRET CHESS RUFF

25X1

25X1

TOP SECRET CHESS RUFF

25X1
ZSA1

NO ATTEMPT HAS BEEN MADE TO ESTIMATE ACTUAL GOLD PRODUCTION AT THE PLANTS SINCE INFORMATION CONCERNING THE GOLD CONTENT OF THE ORE IS EITHER FRAGMENTARY OR UNAVAILABLE. THIS REPORT PROVIDES, HOWEVER, AN ESTIMATE OF THE VOLUME OF ORE PROCESSED AT ONE PLANT -- ZOD-ARARAT -- AS WELL AS AN ESTIMATE OF THE PLANT'S DESIGN CAPACITY. ESTIMATES OF THE CAPACITIES OF THICKENER TANKS AT TWO OTHER PLANTS -- AKSU NORTH AND PLAST -- ARE ALSO PROVIDED. THE METHODOLOGY FOR DERIVING THE ESTIMATES IS DESCRIBED IN EACH INSTANCE. PRODUCTION CAPACITY ESTIMATES FOR THE OTHER FOUR PLANTS -- AKSU, BEREKULSKIY, SEVERO-YENISEY, AND TSENTRALNYY -- COULD NOT BE PROVIDED.

SATELLITE PHOTOGRAPHY ACQUIRED FROM JUNE 1971 THROUGH OCTOBER 1978 WAS USED FOR THIS ANALYSIS.

THIS MEMORANDUM INCLUDES DESCRIPTIONS OF THE SEVEN PLANTS AND ASSOCIATED MINES, TRANSPORT SYSTEMS, AND WASTE DISPOSAL FACILITIES. A LOCATOR MAP AND AN ANNOTATED PHOTOGRAPH OF EACH PLANT ARE PROVIDED.

CIA INFR IS10009J-79 25 JAN 79 [] SEC CLASS: 24 MSN: 0003P ACCN: 5086311 25X1

MILITARY, GROUND FORCES WESTERN MD EG
WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 35 COMIREX NO:

ANALYSIS OF PHOTOGRAPHY, DATED THROUGH [] OF EGYPTIAN MILITARY UNITS IN THE WESTERN
MILITARY DISTRICT REVEALED ADDITIONAL MILITARY UNITS NOT INCLUDED IN A PREVIOUS OIA STUDY, []

25X1
25X1

CIA INFR IS10011K-79 29 JAN 79 [] SEC CLASS: 13 MSN: 0003P ACCN: 5086312 25X1

TRANSPORTATION, ACTIVITY DISRUPTION SOV BDR IR
WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 85 COMIREX NO:
BANDAR ABBAS PORT FACILITIES IR 271039N 0561602E
WAC NO : BE/OBJ NO: NPIC NO : - 1
IDHS CODE: EPF CAT : 75I COMIREX NO: [] 25X1
BANDAR E SHAHPUR PORT FACILITIES ACT DECREASE IR 302520N 0490450E 25X1
WAC NO : BE/OBJ NO: NPIC NO : - 7-B
IDHS CODE: EPF CAT : 75I COMIREX NO: [] 25X1
ASTARA RTP ACTIVITY INCREASE IR 3826 N 04852 E
WAC NO : BE/OBJ NO: NPIC NO : - 25X1
IDHS CODE: EPF CAT : 85A COMIREX NO:
ASTARA RTP ACTIVITY INCREASE IR 3826 N 04852 E
WAC NO : BE/OBJ NO: NPIC NO : - 25X1
IDHS CODE: EPF CAT : 85B COMIREX NO:
JOLFA RAIL TRANSHIPMENT POINT ACT DECREASE IR 3857 N 04538 E
WAC NO : BE/OBJ NO: NPIC NO : - 25X1
IDHS CODE: EPF CAT : 85B COMIREX NO:
KHORRAMSHAHR PORT FACILITIES DISRUPTIONS IR 302615N 0480910E
WAC NO : BE/OBJ NO: NPIC NO : - 9-B 25X1
IDHS CODE: EPF CAT : 75I COMIREX NO: [] 25X1

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

RECENT SATELLITE PHOTOGRAPHY OF THE MAJOR IRANIAN PORT OF KHORRAMSHAHR AND THE JOLFA TRANSSHIPMENT CENTER ON THE SOVIET BORDER SHOWS SOME DISRUPTION OF IRAN'S EXPORT-IMPORT TRADE DURING THE PERIOD OF INTERNAL POLITICAL STRIFE. THE DISRUPTIONS WHICH HAVE OCCURRED DO NOT APPEAR TO BE MAJOR AND NORMAL OPERATIONS PROBABLY COULD RESUME ON SHORT NOTICE. IMAGERY OF A SECOND TRANSSHIPMENT CENTER ON THE SOVIET BORDER, ASTARA, SHOWS A SLIGHT INCREASE IN ACTIVITY. AT THE PORTS OF BANDAR-E SHAHPUR AND BANDAR ABBAS, THE ONLY CHANGE NOTED WAS A DECREASE IN THE NUMBER OF SHIPS AT BANDAR-E SHAHPUR.

CIA INFR IS10282K-78 18 JAN 79 SEC CLASS: 14 MSN: 0009P ACCN: S086313 25X1

MISSILES, SHIPPING CONTAINERS

WAC NO :	BE/OBJ NO:	NPIC NO :	-
IUHS CODE:	EPF CAT : 40I	COMIREX NO:	
MOSKVA GUIDED MISSILE R+D PLANT KHIMKI 301		UR	555350N 0372556E
WAC NO :	BE/OBJ NO:	NPIC NO :	- 100
IUHS CODE:	EPF CAT : 40E	COMIREX NO:	

25X1
25X1

25X1

WORK APPARENTLY IS CONTINUING IN THE ENGINE TEST AREA OF PLANT 301 BUT ACTIVITY WAS AT A LOW LEVEL. THE ABSENCE OF BLAST MARKS IN THIS AREA DID INDICATE THAT NO LARGE ENGINES ARE CURRENTLY BEING TESTED. IT WAS NOT DETERMINED IF THE ELECTRONICS TEST AREA IN PLANT 301 WAS ACTIVE OR IF ANY TESTING WOULD ACTUALLY INVOLVE SPACE-RELATED PAYLOADS.

25X1

1153
TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

HAS IDENTIFIED ANOTHER 14 INSTALLATIONS WHICH ARE PROBABLY RELATED TO SOME TYPE OF TACTICAL SURFACE-TO-SURFACE MISSILE SYSTEM. SOME OF THESE 14 INSTALLATIONS MAY HOUSE TRANSPORTATION OR SERVICING UNITS, WHILE OTHERS MAY HOUSE ACTUAL TACTICAL SURFACE-TO-SURFACE MISSILE LAUNCH UNITS. TWELVE OF THE 14 INSTALLATIONS HAVE NOT PREVIOUSLY BEEN IDENTIFIED AS BEING TACTICAL MISSILE RELATED.

NPIC MEMO [] 14 FEB 79 [] SEC CLASS: 13 MSN: 0005P ACCN: S086315 25X1

DZHANKOY BOMBING RANGE UR 454729N 0344335E 25X1
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 21-C
IUHS CODE: [] EPF CAT : 05 COMIREX NO:
BUGOSLAVETS BOMBING RANGE INACTIVE UR 454840N 1343910E 25X1
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 76
IUHS CODE: [] EPF CAT : 05 COMIREX NO: 25X1

SALDUS BOMBING TARGET UR 563310N 0223550E 25X1
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 155-A
IUHS CODE: [] EPF CAT : 05 COMIREX NO:
USSURIYSK MILITARY TRNG WEST 1 STRAFING RANGE UR 434500N 1313200E 25X1
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 49-01
IUHS CODE: [] EPF CAT : 05 COMIREX NO: [] 25X1
USSURIYSK MILITARY TRNG WEST 1 STRAFING RANGE UR 434500N 1313200E 25X1
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 49-01
IUHS CODE: [] EPF CAT : 35B COMIREX NO: [] 25X1
SANBOLI BOMBING + STRAFING RANGE UR 491925N 1351855E 25X1
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 44-A
IUHS CODE: [] EPF CAT : 05 COMIREX NO:
MANZURKA BOMBING RANGE UR 533300N 1054330E 25X1
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 28-A
IUHS CODE: [] EPF CAT : 05 COMIREX NO:
CHITA BOMBING + STRAFING RANGE UR 522600N 1131000E 25X1
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 2-E
IUHS CODE: [] EPF CAT : 05 COMIREX NO:
RYAZAN MILITARY TRAINING AREA BOMBING RANGE UR 544020N 0395700E 25X1
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 20-B1
IUHS CODE: [] EPF CAT : 05 COMIREX NO:
RYAZAN MILITARY TRAINING AREA BOMBING RANGE UR 544020N 0395700E 25X1
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 20-B1
IUHS CODE: [] EPF CAT : 35B COMIREX NO:

1154
TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

KALININ BOMBING RANGE	BE/OBJ NO: []	UR 571030N 0355835E
WAC NO : []	EPF CAT : 05	NPIC NO : - 157
IDHS CODE: []	AREA 1 BOMB RNGE	COMIREX NO:
VOROSHILOVGRAD MILITARY TRNG	BE/OBJ NO: []	UR 484600N 0385700E
WAC NO : []	EPF CAT : 05	NPIC NO : - 7A
IDHS CODE: []	AREA 1 BOMB RNGE	COMIREX NO: []
VOROSHILOVGRAD MILITARY TRNG	BE/OBJ NO: []	UR 484600N 0385700E
WAC NO : []	EPF CAT : 35B	NPIC NO : - 7A
IDHS CODE: []		COMIREX NO: []

25X1

25X1
25X1

25X1
25X1

THIS MEMO GIVES THE LOCATIONS, DESCRIPTIONS, AND ACTIVITY LEVELS OF TEN SOVIET LONG RANGE AVIATION BOMBING RANGES.

25X1

NPIC MEMO [] 08 FEB 79 [] SEC CLASS: 14B MSN: [] 0003P

ACCN: S086316

25X1

KUSHKA RADIO RELAY STATION	BE/OBJ NO: []	UR 351603N 0622137E
WAC NO : []	EPF CAT : 25D	NPIC NO : - 1-B4
IDHS CODE: []		COMIREX NO:
KALAIMOR RADIO RELAY STATION	BE/OBJ NO: []	UR 354630N 0624140E
WAC NO : []	EPF CAT : 25D	NPIC NO : -
IDHS CODE: []		COMIREX NO:
UVADTSTATLET OKTYABRYA RADIO RELAY STATION	BE/OBJ NO: []	UR 355810N 0624650E
WAC NO : []	EPF CAT : 25D	NPIC NO : -
IDHS CODE: []		COMIREX NO:
TASHKEPRI RADIO RELAY STATION	BE/OBJ NO: []	UR 361250N 0623950E
WAC NO : []	EPF CAT : 25D	NPIC NO : -
IDHS CODE: []		COMIREX NO:
SARY YAZY RADIO RELAY STATION	BE/OBJ NO: []	UR 362700N 0623720E
WAC NO : []	EPF CAT : 25D	NPIC NO : -
IDHS CODE: []		COMIREX NO:
KRASNOYE ZNAMYA RADIO RELAY STATION	BE/OBJ NO: []	UR 365000N 0622900E
WAC NO : []	EPF CAT : 25D	NPIC NO : -
IDHS CODE: []		COMIREX NO:
IOLOTAN RADIO RELAY STATION	BE/OBJ NO: []	UR 371745N 0622300E
WAC NO : []	EPF CAT : 25D	NPIC NO : -
IDHS CODE: []		COMIREX NO:
BAYRAM ALI RADIO RELAY + TV BROADCAST STATION	BE/OBJ NO: []	UR 373910N 0621210E
WAC NO : []	EPF CAT : 25D	NPIC NO : - 11-D1
IDHS CODE: []		COMIREX NO:
BAYRAM ALI RADIO RELAY + TV BROADCAST STATION	BE/OBJ NO: []	UR 373910N 0621210E
WAC NO : []	EPF CAT : 25B	NPIC NO : - 11-D1
IDHS CODE: []		COMIREX NO:

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

TOP SECRET CHESS RUFF

25X1

25X1

TOP SECRET CHESS RUFF

25X1
25X1

THIS MEMO PROVIDES DETAILS OF EIGHT RADIO RELAY STATIONS WITH MERCURY PLATE (R-406) ANTENNAS THAT ARE LOCATED BETWEEN BAYRAM-ALI AND TAKHTA BAZAR, USSR. IMAGERY FROM MISSION [REDACTED] WAS USED.*

25X1

NPIC MEMO [REDACTED] 14 FEB 79 [REDACTED] SEC CLASS: 14B MSN: [REDACTED] 0001P ACCN: S086317

25X1

SMOLENSK LONG RANGE AVIATION CP SEARCH UR 5440 N 03131 E
WAC NO : [REDACTED] BE/OBJ NO: [REDACTED] NPIC NO : -
IDHS CODE: [REDACTED] EPF CAT : 25H COMIREX NO: [REDACTED]

25X1

KEYHOLE PHOTOGRAPHY OF [REDACTED] WAS REVIEWED TO LOCATE AN LRA ALTERNATE COMMAND POST WITHIN A 2NM RADIUS OF 54-40-00N 031-31-00E. NO COMMAND POST OR COMMUNICATIONS FACILITIES WERE IDENTIFIED IN THE SEARCH AREA.*

25X1

NPIC MODL [REDACTED] FEB 79 [REDACTED] SEC CLASS: 14D MSN: [REDACTED] 0002P ACCN: S086318

25X1

CHIENSHUI SSM COMPLEX SITE 3 CH 232422N 1024925E
WAC NO : [REDACTED] BE/OBJ NO: [REDACTED] NPIC NO : - 515-F
IDHS CODE: [REDACTED] EPF CAT : 40 COMIREX NO: [REDACTED]

25X1

25X1

THIS REPORT ANNOUNCES THE COMPLETION OF A NEW, THREE-DIMENSIONAL SCALE MODEL OF ONE OF THE STRATEGIC MISSILE LAUNCH SITES IN THE PEOPLE'S REPUBLIC OF CHINA (PRC). THE MODEL MAY BE USED AS A VISUAL AID FOR BRIEFING OR FOR AIDING THE ANALYST IN HIS STUDY OF THE PARTICULAR TARGET. IT IS AVAILABLE ON SHORT-TERM LOAN FROM NPIC TO AUTHORIZED PERSONNEL.*

25X1

1156
TOP SECRET CHESS RUFF

25X1
25X1

Page Denied

Next 1 Page(s) In Document Denied

TOP SECRET CHESS RUFF

25X1

HULUTAO NAVAL BASE + SHIPYARD EXPANSION CH 404309N 1205939E
 WAC NO : [] BE/OBJ NO: [] NPIC NO : - 14-C
 IDHS CODE: [] EPF CAT : 75E COMIREX NO: []
 NAVAL SHIPYARD EXPANSION CH
 WAC NO : [] BE/OBJ NO: [] NPIC NO : -
 IDHS CODE: [] EPF CAT : 75E COMIREX NO: []

25X1
25X1

THIS REPORT PROVIDES AN IMAGERY-DERIVED SUMMARY OF EXPANSION ACTIVITY OBSERVED AT MAJOR NAVAL SHIPYARDS IN THE PEOPLE'S REPUBLIC OF CHINA (PRC) FROM [] AN ACTIVE EXPANSION PROGRAM IS UNDERWAY IN EACH OF THE FLEET AREAS, THE RESULT OF WHICH WILL BE A SIGNIFICANTLY IMPROVED SHIP CONSTRUCTION AND REPAIR CAPABILITY THROUGHOUT THE FLEET AREAS.

25X1

CIA IRP IS10005J-79 JAN 79 [] SEC CLASS: 25 MSN: 0007P ACCN: S086325

25X1

MOSKVA/TUSHINO SPECIAL DESIGN BUR TOROPOV MSL UR 554930N 0372610E
 WAC NO : 0167 BE/OBJ NO: [] NPIC NO : -
 IDHS CODE: [] EPF CAT : 40E COMIREX NO: []

25X1

ANALYSIS OF SATELLITE PHOTOGRAPHY, [] INDICATES THAT AN INDUSTRIAL/ENGINEERING COMPLEX IN NORTHWESTERN MOSCOW HOUSES THE TOROPOV SPECIAL DESIGN BUREAU -- THE DESIGN BUREAU THAT HAS BEEN IDENTIFIED [] AS THE DESIGN AUTHORITY FOR THE SA-6 SURFACE-TO-AIR MISSILE, THE AA-2 AIR-TO-AIR MISSILE, AND TWO UNIDENTIFIED AIR-LAUNCHED MISSILES.

25X1
25X1
25X1

[] SATELLITE PHOTOGRAPHY REVEALS THAT THE BUILDINGS AT THIS COMPLEX ARE TYPICAL OF THOSE SEEN AT SOVIET MISSILE DESIGN BUREAUS. THE 23 MAJOR BUILDINGS ARE DESIGNED FOR ADMINISTRATION/ENGINEERING, FABRICATION/ASSEMBLY, SUPPORT, AND PROBABLY TESTING OPERATIONS AND HAVE A TOTAL OF 80,228 SQUARE METERS OF FLOORSPACE.

CIA BIIR RCS13-0002-79 FEB 79 [] SEC CLASS: 13 MSN: 0007P ACCN: S086326

25X1

PAENGMA RI PETROLEUM REFINERY KN 400420N 1243245E
 WAC NO : [] BE/OBJ NO: [] NPIC NO : - 73-D2
 IDHS CODE: [] EPF CAT : 30B COMIREX NO: []

25X1
25X1

THE PAENGMA-RI PETROLEUM REFINERY IS A MEDIUM-SIZED REFINERY IN NORTHWEST NORTH KOREA. IT HAS AN ESTIMATED CHARGE CAPACITY OF 2.5 MILLION METRIC TONS PER YEAR OF CRUDE OIL. MAJOR PRODUCTS OF THE REFINERY INCLUDE STRAIGHT-RUN AND CRACKED GASOLINE, KEROSENE, DIESEL, AND FUEL OILS. THE REFINERY CONTAINS TWO OPERATIONAL PETROLEUM REFINING UNITS -- A CRUDE OIL DISTILLATION UNIT AND A CATALYTIC CRACKING UNIT. BOTH UNITS ARE OF CHINESE DESIGN.

CONSTRUCTION OF THE REFINERY BEGAN BETWEEN JANUARY AND AUGUST 1976. ACCORDING TO THE KOREAN CENTRAL NEWS AGENCY, THE REFINERY BEGAN PRODUCTION BY 6 SEPTEMBER 1978. THE REFINERY WAS FIRST OBSERVED IN OPERATION ON PHOTOGRAPHY OF NOVEMBER 1978.

THIS REPORT INCLUDES A GENERAL DISCUSSION OF THE REFINERY'S FUNCTIONS, AN ESTIMATE OF PRODUCT OUTPUT CAPACITY, AND A CONSTRUCTION CHRONOLOGY. A LOCATION MAP AND AN ANNOTATED PHOTOGRAPH OF THE REFINERY ARE

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1
25X1

INCLUDED.

25X1

NPIC REPT [] NOV 78 [] SEC CLASS: 13 MSN: 0050P ACCN: 5086328 225X1

PHOTO, [] MENSURATION ACCURACY 25X1

WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 65 COMIREX NO:

NPIC BIIR RCA09-0002-79 FEB 79 [] SEC CLASS: 25B MSN: 0022P ACCN: 5086329 25X1

MOSKVA EXPLOSIVES/PRPLNTS R+D FACIL LYUBERTSY UR 553643N 0375237E 25X1

WAC NO : BE/OBJ NO: NPIC NO : - 46-E3
IDHS CODE: EPF CAT : 35G COMIREX NO: [] 25X1

MISSILES, SOLID PROPELLANT R+D FACILITIES UR 25X1

WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 40E COMIREX NO:

MOSKVA SOLID MOTOR PRODUCTION PLANT LYUBERTSY UR 553648N 0375240E

WAC NO : 0167 BE/OBJ NO: NPIC NO : - 46-E1 25X1
IDHS CODE: EPF CAT : 40E COMIREX NO: [] 25X1

MOSKVA EXPLOSIVES/PRPLNTS R+D FACIL LYUBERTSY UR 553643N 0375237E 25X1

WAC NO : BE/OBJ NO: NPIC NO : - 46-E3 25X1
IDHS CODE: EPF CAT : 40E COMIREX NO: [] 25X1

LENINGRAD APPLIED CHEMISTRY INSTITUTE UR 595656N 0301754E 25X1

WAC NO : BE/OBJ NO: NPIC NO : - 36-F5 25X1

1160
TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

IDHS CODE:	EPF CAT : 65A	COMIREX NO:
PETROKREPOST EXPLOSIVES/SOLID MTR PLT MOROZOV	UR 595914N 0305935E	
WAC NO :	BE/OBJ NO:	NPIC NO : - 156
IDHS CODE:	EPF CAT : 40E	COMIREX NO:
LENINGRAD SOLID MOTOR TEST FACILITY 1	UR 600401N 0303615E	
WAC NO :	BE/OBJ NO:	NPIC NO : - 42-T2
IDHS CODE:	EPF CAT : 40E	COMIREX NO:
KAZAN AIRCRAFT ENGINE PLANT 16	UR 555119N 0490620E	
WAC NO :	BE/OBJ NO:	NPIC NO : - 14-B
IDHS CODE:	EPF CAT : 05G	COMIREX NO:
KAZAN MISSILE PROPULSION R+D FACILITY	UR 555345N 0485007E	
WAC NO :	BE/OBJ NO:	NPIC NO : - 14-X
IDHS CODE:	EPF CAT : 40E	COMIREX NO:
ZAGORSK SOLID PROPELLANT R+D FACILITY	UR 561759N 0380913E	
WAC NO :	BE/OBJ NO:	NPIC NO : - 73-62
IDHS CODE:	EPF CAT : 40E	COMIREX NO:
KRASNOARMEYSK SOLID MOTOR DEVELOPMENT FACIL	UR 560750N 0380954E	
WAC NO :	BE/OBJ NO:	NPIC NO : - 55-A
IDHS CODE:	EPF CAT : 40E	COMIREX NO:
KRASNOARMEYSK SOLID MTR DEV ISOLATED TEST FAC	UR 561015N 0381412E	
WAC NO :	BE/OBJ NO:	NPIC NO : - 55-B1
IDHS CODE:	EPF CAT : 40E	COMIREX NO:

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

THIS REPORT DESCRIBES RECENT DEVELOPMENTS AT TEN SOVIET SOLID PROPELLANT ROCKET MOTOR RESEARCH AND DEVELOPMENT (R+D) FACILITIES. AT MOSKVA SOLID MOTOR PRODUCTION PLANT LYUBERTSY, PROTOTYPE PRODUCTION AND HAVE BEGUN ON AS MANY AS FOUR PROBABLE ROCKET MOTORS, AND NEW PLANT EXPANSION WAS OBSERVED. NEW PLANT EXPANSION WAS ALSO OBSERVED AT MOSKVA EXPLOSIVES PROPELLANTS R+D FACILITY LYUBERTSY. AT LENINGRAD SOLID MOTOR TEST FACILITY 1, A TEST CELL HAS BEEN MODIFIED FOR CRUISE MISSILE TESTING, AND SEVERAL NEW, PROBABLE EXPENDED ROCKET MOTORS WERE OBSERVED IN THE BONEYARD. AT PETROKREPOST EXPLOSIVES AND SOLID MOTOR PLANT MOROZOV, SEVERAL POSSIBLE ROCKET MOTORS/MOTOR SHIPPING CRATES WERE OBSERVED, AND CONSTRUCTION CONTINUED ON SEVERAL LARGE BUILDINGS. AT KAZAN AIRCRAFT ENGINE PLANT 16, A NEW ADMINISTRATION/ENGINEERING BUILDING AND ONE SUBSURFACE PERSONNEL SHELTER WERE UNDER CONSTRUCTION. AT KAZAN MISSILE PROPULSION R+D FACILITY, SEVERAL POSSIBLE ROCKET MOTORS/MOTOR SHIPPING CRATES WERE OBSERVED, AND CONSTRUCTION CONTINUED ON FOUR NEW BUILDINGS. AT ZAGORSK SOLID PROPELLANT R+D FACILITY, A NEW ADMINISTRATION/ENGINEERING BUILDING AND ONE LABORATORY BUILDING WERE CONSTRUCTED. AT KRASNOARMEYSK SOLID MOTOR DEVELOPMENT FACILITY, SEVEN NEW PROBABLE/POSSIBLE ROCKET MOTORS, INCLUDING A POSSIBLE 'CONICAL' ROCKET MOTOR, WERE OBSERVED WITHIN THE FACILITY; RESULTS OF TWO TESTS WERE OBSERVED; AND FURTHER EXPANSION TO THE FACILITY WAS INDICATED BY THE CONSTRUCTION OF A NEW POSSIBLE ROCKET MOTOR ASSEMBLY AND CHECKOUT AREA.

THIS REPORT UPDATES PREVIOUS NPIC BASIC REPORTS ON EACH OF THE TEN SOVIET FACILITIES.
THIS REPORT INCLUDES A MAP, 23 PHOTOGRAPHS, AND FOUR TABLES.

25X1

TOP SECRET CHESS RUFF

25X1

25X1

Declassified in Part - Sanitized Copy Approved for Release 2014/03/07 : CIA-RDP80T00913A000200030001-4

TOP SECRET CHESS RUFF

25X1

25X1

NPIC BIIR RCA09-0048-78 FEB 79

SEC CLASS: 25B MSN: 0009P

ACCN: S086332

25X1

KIYEV AIRFRAME PLANT 473

UR 502752N 0302329E

1162
TOP SECRET CHESS RUFF

25X1
25X1

Declassified in Part - Sanitized Copy Approved for Release 2014/03/07 : CIA-RDP80T00913A000200030001-4

TOP SECRET CHESS RUFF

25X1

WAC NO :
IDHS CODE:

BE/OBJ NO:
EPF CAT : 05G

NPIC NO : - 29-D
COMIREX NO:

25X1
25X1

THIS REPORT UPDATES NPIC REPORT ON KIEV AIRFRAME PLANT 473, USSR. THIS REPORT DESCRIBES THE MODERATE AMOUNT OF CONSTRUCTION COMPLETED AT THE PLANT SINCE 30 DECEMBER 1972, THE INFORMATION CUTOFF DATE FOR THE PREVIOUS REPORT, AND DISCUSSES AIRCRAFT DEVELOPMENT, PRODUCTION, AND RETROFIT PROGRAMS UNDERWAY AT THE PLANT. THESE PROGRAMS INCLUDE THE DEVELOPMENT OF COALER-A, CLINE-A, AND CASH-A AIRCRAFT; THE PRODUCTION OF CURL, COKE, AND CLANK-A AIRCRAFT; AND THE RETROFIT OF COCK AIRCRAFT. THE SIGHTING OF A POSSIBLE AN-400-TYPE AIRCRAFT AT PLANT 473 ON IS ALSO DISCUSSED.
THIS REPORT CONTAINS NINE ANNOTATED PHOTOGRAPHS AND A TABLE OF MENSURAL DATA.

25X1

25X1

25X1

1163
TOP SECRET CHESS RUFF

25X1
25X1

Page Denied

Next 3 Page(s) In Document Denied

TOP SECRET CHESS RUFF

25X1

[Redacted]

[Redacted]

[Redacted]

[Redacted]

25X1

NPIC MEMO [Redacted] 01 FEB 79 [Redacted] SEC CLASS: 13 MSN: 0001P ACCN: S086354

25X1

SOKHONDO AIRFIELD

WAC NO : [Redacted]
IDHS CODE: [Redacted]

BE/OBJ NO: [Redacted]
EPF CAT : 05A

UR 515040N 1122850E
NPIC NO : - 14
COMIREX NO:

25X1
25X1

[Redacted]

25X1

DIA IIM 5B3-71317-79 15 FEB 79 [Redacted] SEC CLASS: 13 MSN: 0001P ACCN: S086356

25X1

IRKUTSK AIRFRAME PLANT 39 FLOGGER G SEARCH

WAC NO : [Redacted]
IDHS CODE: [Redacted]

BE/OBJ NO: [Redacted]
EPF CAT : 05G

UR 522131N 1041216E
NPIC NO : - 4-A
COMIREX NO: [Redacted]

25X1
25X1

[Redacted]

25X1

DIA IIM 5B1-71251-79 FEB 79 [Redacted] SEC CLASS: 14B MSN: [Redacted] 0002P ACCN: S086358

25X1
25X1

BIALA PODLASKA AMMUNITION DEPOT

PL 520245N 0230525E

1168
TOP SECRET CHESS RUFF

25X1

25X1

[Redacted]

TOP SECRET CHESS RUFF

25X1

WAC NO : 0168 BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 35F COMIREX NO:

25X1

DIA IIM 5B1-71286-79 14 FEB 79 SEC CLASS: 14B MSN: 0004P

ACCN: S086359 25X1

GORA KALWARIA MILITARY BARRACKS 1/TRNG AREA PL 515900N 0211300E
WAC NO : BE/OBJ NO: NPIC NO : - 307
IDHS CODE: EPF CAT : 35A COMIREX NO:
GORA KALWARIA MILITARY BARRACKS 1/TRNG AREA PL 515900N 0211300E
WAC NO : BE/OBJ NO: NPIC NO : - 307
IDHS CODE: EPF CAT : 35B COMIREX NO:
PULTUSK ARMY BARRACKS 1 PL 524233N 0210433E
WAC NO : BE/OBJ NO: NPIC NO : - 81
IDHS CODE: EPF CAT : 35A COMIREX NO:

25X1

25X1

25X1

DIA IIM 5B1-71295-79 14 FEB 79 SEC CLASS: 14B MSN: 0003P

ACCN: S086360 25X1

TRANSPORTATION RAIL CARS CW/MUNITIONS ASSOC UR
WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 85B COMIREX NO:
CBR CW DEPOTS MUNITIONS RAILCARS UR
WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 13B COMIREX NO:

DIA IIM 5B1-71279-79 16 FEB 79 SEC CLASS: 14B MSN: 0008P

ACCN: S086361 25X1

LAGODEKHI ORDNANCE DEPOT UR 414920N 0461610E
WAC NO : BE/OBJ NO: NPIC NO : - 124-A3
IDHS CODE: EPF CAT : 35F COMIREX NO:
LAGODEKHI ORDNANCE/ARTILLERY DEPOT D01 UR 414920N 0461610E
WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 35F COMIREX NO:

25X1

25X25X1

25X1

TOP SECRET CHESS RUFF

25X1

25X1

TOP SECRET CHESS RUFF

25X1

IDHS CODE: []	EPF CAT : 35A	COMIREX NO: []
BELOGORSK ARMY BARRACKS AL6	WAC NO : []	UR 505356N 1282700E
WAC NO : []	BE/OBJ NO: []	NPIC NO : - 14-A4
IDHS CODE: []	EPF CAT : 35A	COMIREX NO: []
BELOGORSK MILITARY BARRACKS AL1/HQ MRD	WAC NO : []	UR 505413N 1282858E
WAC NO : []	BE/OBJ NO: []	NPIC NO : - 14-F1
IDHS CODE: []	EPF CAT : 35A	COMIREX NO: []

25X1
25X1
25X1
25X1
25X1

IN THE LATTER MONTHS OF 1977 AND EARLY PART OF 1978 MAJOR ELEMENTS OF THE 31ST MORTORIZED RIFLE DIVISION (MRD), HEADQUARTERED AT BELOGORSK, EVIDENCED A SIGNIFICANT DEPARTURE FROM THE STANDARD SOVIET CONCEPT FOR THIS TYPE OF DIVISION. PRIOR TO THIS TIME FRAME THE DIVISION EXHIBITED AN ORGANIZATION TYPICAL OF A MRD; I.E. THREE MORTORIZED RIFLE REGIMENTS, A TANK REGIMENT AND DIVISIONAL SUPPORT UNITS. FOLLOWING THE METAMORPHOSIS/REORGANIZATION AND CONTINUING THROUGH THE PRESENT, THE DIVISION STRUCTURE INCLUDES THREE MANEUVER REGIMENTS AND DIVISIONAL SUPPORT UNITS. FURTHERMORE, ON THE LATEST COVERAGES ADDITIONAL CHANGES, IN THE FORM OF THE INTRODUCTION OF UPGRADED EQUIPMENT, HAVE BEEN NOTED WITHIN THE MANEUVER REGIMENTS AS WELL AS IN SEVERAL OF THE DIVISIONAL SUPPORT UNITS.

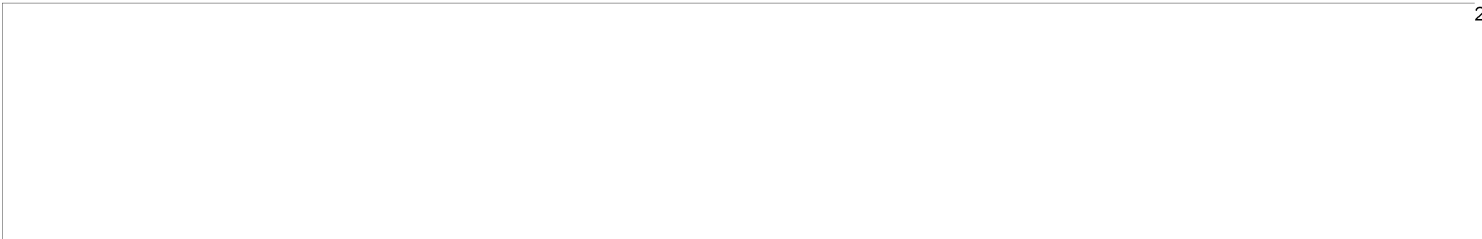
DIA IIM	5B1-71224-79	01 FEB 79	[]	SEC CLASS: 14B	MSN: []	0005P	ACCN: S086363	25X1
	ROVNO AMMUNITION DEPOT DA2							
	WAC NO : []		BE/OBJ NO: []		UR 503755N 0260955E			25X1
	IDHS CODE: []		EPF CAT : 35F		NPIC NO : -			25X1
					COMIREX NO:			
DIA IIM	5B1-71267-79	06 FEB 79	[]	SEC CLASS: 14B	MSN: []	0006P	ACCN: S086364	25X1
	ROVNO ARMY BARRACKS CENTRAL AL2							
	WAC NO : []		BE/OBJ NO: []		UR 503710N 0261440E			25X1
	IDHS CODE: []		EPF CAT : 35A		NPIC NO : - 49-I1			25X1
					COMIREX NO:			
DIA IIM	5B1-71312-79	12 FEB 79	[]	SEC CLASS: 14	MSN: []	0002P	ACCN: S086365	25X1
	CHERKASSY ARMY BARRACKS AL1							
	WAC NO : []		BE/OBJ NO: []		UR 492624N 0320247E			25X1
	IDHS CODE: []		EPF CAT : 35A		NPIC NO : - 9D			25X1
					COMIREX NO: []			
DIA IIM	5B1-59702-79	16 FEB 79	[]	SEC CLASS: 14B	MSN: []	0023P	ACCN: S086366	25X1
	OSTROW MAZOWIECKA ARMY BARRACKS 1 NW							
	WAC NO : []		BE/OBJ NO: []		PL 524909N 0215038E			25X1
	IDHS CODE: []		EPF CAT : 35A		NPIC NO : - 122			25X1
	OSTROW MAZOWIECKA ARMY BARRACKS 2				COMIREX NO: []			
	WAC NO : []		BE/OBJ NO: []		PL 524947N 0215122E			25X1
	IDHS CODE: []		EPF CAT : 35A		NPIC NO : - 122-A			25X1
					COMIREX NO:			

1170
TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1



25X1

DIA NBRG NDA06-5139-77 20 FEB 79 SEC CLASS: 05G MSN: 0001P ACCN: S086369

TAHSIEN NAVAL FACILITIES APPROACHES

CH 2953 N 12157 E

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

NPIC NO : -
COMIREX NO:

25X1

DIA NBRG NDA06-5140-77 20 FEB 79 SEC CLASS: 05G MSN: 0001P ACCN: S086370

KUANCHUANGTSUN MOTOR TORPEDO BOAT BASE/SHPYD

CH 295246N 1220033E

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

NPIC NO : - 44-A
COMIREX NO: []

25X1

25X1

KUANCHUANGTSUN MOTOR TORPEDO BOAT BASE/SHPYD

CH 295246N 1220033E

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

NPIC NO : - 44-A
COMIREX NO: []

25X1

25X1

NPIC MEMO [] 22 FEB 79 [] SEC CLASS: 13 MSN: 0002P ACCN: S086371

VYBORG AIRFIELD EAST FISHBED MIG-21 IDENT

UR 604026N 0290957E

WAC NO : [] BE/OBJ NO: []
IDHS CODE: [] EPF CAT : 05A

NPIC NO : - 39-A
COMIREX NO: []

25X1

25X1

VYBORG AIRFIELD EAST FLAGON SU-15 SEARCH

UR 604026N 0290957E

WAC NO : [] BE/OBJ NO: []
IDHS CODE: [] EPF CAT : 05A

NPIC NO : - 39-A
COMIREX NO: []

25X1

25X1

A REVIEW OF IMAGERY OF VYBORG AIRFIELD EAST WAS MADE TO DETERMINE THE STATUS OF THE AIRFIELD AND TO CONFIRM/DENY THE PRESENCE OF THE FLAGON UNIT. FLAGON AIRCRAFT HAVE NOT BEEN OBSERVED ON IMAGERY OF VYBORG AIRFIELD EAST SINCE [] CERTAIN PHOTOGRAPHIC INDICATORS SUGGEST THAT THIS AIRFIELD WILL NO LONGER PERMANENTLY SUPPORT AN AIR DEFENSE UNIT. FISHBED AIRCRAFT WERE IDENTIFIED AT THIS AIRFIELD FOR THE FIRST TIME ON []

25X1

25X1

1171

TOP SECRET CHESS RUFF

25X1

25X1

Page Denied

Next 1 Page(s) In Document Denied

TOP SECRET CHESS RUFF

25X1
25X1

25X1

DIA BIIR KDA11-0004-78 FEB 79 [] SEC CLASS: 14D MSN: [] 0006P ACCN: S086373

25X1

HSIAN AMMUNITION PARTS PLANT 803 CH 341545N 1090040E
WAC NO : [] BE/OBJ NO: [] NPIC NO : -
IDHS CODE: [] EPF CAT : 35G COMIREX NO:

25X1

THIS REPORT IS A DETAILED, IMAGERY-DERIVED ANALYSIS OF HSI-AN AMMUNITION PARTS 803, LOCATED ON THE EASTERN EDGE OF HSI-AN, 15.8 NM SOUTHEAST OF HSIEN-YANG AND 23.6 NM NORTHEAST OF YU-HSIA IN SHENSI (SHEN-HSI) PROVINCE, CENTRAL PEOPLE'S REPUBLIC OF CHINA (PRC). THIS WALL-SECURED INSTALLATION IS RAIL AND ROAD SERVED. IT CONTAINS 145 BUILDINGS TOTALING 151,449 SQUARE METERS OF ROOF COVER. OF THESE, 15 ARE MAJOR PRODUCTION BUILDINGS THAT CONSTITUTE 56 PERCENT (84,417 SQUARE METERS) OF THE TOTAL ROOF COVER. THE INSTALLATION HAS BEEN DIVIDED INTO 12 FUNCTIONAL AREAS ACCORDING TO THE PRINCIPAL OPERATION OR ACTIVITY BELIEVED TO BE OCCURRING IN EACH. IN ADDITION TO PRIMARY CATEGORY NUMBER LISTED IN THE DATA BLOCK, CATEGORY [] IS ALSO REPORTED FOR THIS INSTALLATION.

25X1

THE INFORMATION IS PRESENTED IN GRAPHIC, TEXTUAL AND TABULAR FORM. IT INCLUDES A MAP, THREE ANNOTATED PHOTOGRAPHS, AND TWO TABLES. A REFERENCE DATA LIST FURNISHES IMAGERY AND MAP SOURCES. A NATIONAL BASIC REFERENCE GRAPHIC (NBRG) IS INCLUDED.

25X1

CIA IRP IS10013K-79 JAN 79 [] SEC CLASS: 14 MSN: [] 0009P ACCN: S086375

25X1

FIRGROVE ROCKET/EXPLOSIVES/PROPELLANT R+D FAC SF 340420S 0184530E

1174
TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1
25X1

WAC NO :	[]	BE/OBJ NO:	[]	NPIC NO :	-
IDHS CODE:	[]	EPF CAT :	40E	COMIREX NO:	[]
FIRGROVE ROCKET/EXPLOSIVES/PROPELLANT R+D FAC		SF	340420S 0184530E		
WAC NO :	[]	BE/OBJ NO:	[]	NPIC NO :	-
IDHS CODE:	[]	EPF CAT :	35G	COMIREX NO:	[]

25X1
25X1
25X1
25X1

IMAGERY ANALYSIS SUBSTANTIATES REPORTS THAT THE NATIONAL INSTITUTE FOR DEFENSE RESEARCH, FIRGROVE, LOCATED NEAR CAPETOWN, SOUTH AFRICA, IS INVOLVED IN THE DEVELOPMENT AND TESTING OF SMALL, SOLID PROPELLANT ROCKET MOTORS AND EXPERIMENTAL EXPLOSIVES AND PROPELLANTS. THERE ARE FACILITIES AT FIRGROVE FOR TESTING SMALL ROCKET MOTORS AND SMALL AMOUNTS OF PROPELLANTS AND EXPLOSIVES, AND FOR MIXING AND CASTING SMALL QUANTITIES OF SOLID PROPELLANTS AND EXPLOSIVES.

ALTHOUGH SMALL MISSILES ARE REPORTED TO HAVE BEEN LAUNCHED FROM THE FIRGROVE FACILITY, THERE HAS BEEN NO PHOTOGRAPHIC EVIDENCE OF A MISSILE RANGEHEAD AT OR NEAR THE FACILITY. THERE IS ALSO NO PHOTOGRAPHIC EVIDENCE OF ANY NUCLEAR-ASSOCIATED FACILITIES AT THE SITE.

CIA NOTE ISSN0002J-79 12 FEB 79 [] SEC CLASS: 25 X MSN: 0020P ACCN: S086376 25X1

TUBRUQ PORT FACILITIES NAVAL SHIP RPR FAC U/C	LY	320455N 0235850E
WAC NO :	[]	NPIC NO : - 6
IDHS CODE:	[]	COMIREX NO: []
TUBRUQ PORT FACILITIES NAVAL SHIP RPR FAC U/C	LY	320455N 0235850E
WAC NO :	[]	NPIC NO : - 6
IDHS CODE:	[]	COMIREX NO: []
TUBRUQ PORT FACILITIES NAVAL SHIP RPR FAC U/C	LY	320455N 0235850E
WAC NO :	[]	NPIC NO : - 6
IDHS CODE:	[]	COMIREX NO: []
MILITARY, ARMS + TECH ASSISTANCE NORTH KOREAN	LY	
WAC NO :	[]	NPIC NO : -
IDHS CODE:	[]	COMIREX NO: []
GOLERKANY CIVIL DEFENSE GOVERNMENT RELOC SITE	UR	4719 N 02905 E
WAC NO :	[]	NPIC NO : -
IDHS CODE:	[]	COMIREX NO: []
TOMSK URANIUM ISOTOPE SEP PLT CASCADE BLDG 4	UR	563705N 0845217E
WAC NO :	[]	NPIC NO : - 6-A
IDHS CODE:	[]	COMIREX NO: []
INDUSTRY, PETROLEUM REFINING DEVELOPMENTS	UR	
WAC NO :	[]	NPIC NO : -
IDHS CODE:	[]	COMIREX NO: []

25X1
25X1
25X1
25X1
25X1
25X1
25X1
25X1
25X1
25X1
25X1

MILITARY, MOTORIZED RIFLE BNS BTR-60PB COUNTS	UR	
WAC NO :	[]	NPIC NO : -
BE/OBJ NO:	[]	

25X1
25X1

1175
TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

25X1

IDHS CODE:	EPF CAT : 35E	COMIREX NO:	
SEVERODVINSK SHIPYARD 402 LAUNCH BASIN OPRNL	UR 643438N 0394832E	NPIC NO : - 7-A	
WAC NO :	BE/OBJ NO:	COMIREX NO:	
IDHS CODE:	EPF CAT : 75E	COMIREX NO:	
SHIPS, V-3 CLASS SSN	UR	NPIC NO : -	
WAC NO :	BE/OBJ NO:	COMIREX NO:	
IDHS CODE:	EPF CAT : 75D	COMIREX NO:	
SARY SHAGAN MTC COMPLEX E SA-X-10 TRAINING	UR 453745N 0723500E	NPIC NO : - 40-B	
WAC NO :	BE/OBJ NO:	COMIREX NO:	
IDHS CODE:	EPF CAT : 40C	COMIREX NO:	
SARY SHAGAN MTC COMPLEX B ABM-1B SILOS	UR 460106N 0722804E	NPIC NO : - 50-B	
WAC NO :	BE/OBJ NO:	COMIREX NO:	
IDHS CODE:	EPF CAT : 40D	COMIREX NO:	
SHUANGCHENG TZU MTC ICBM/SAT LAUNCH INDICATORS	CH 410800N 1001500E	NPIC NO : - 1	
WAC NO :	BE/OBJ NO:	COMIREX NO:	
IDHS CODE:	EPF CAT : 40A	COMIREX NO:	
SHUANGCHENG TZU MTC ICBM/SAT LAUNCH INDICATORS	CH 410800N 1001500E	NPIC NO : - 1	
WAC NO :	BE/OBJ NO:	COMIREX NO:	
IDHS CODE:	EPF CAT : 40H	COMIREX NO:	

25X1
25X1

25X1
25X1

25X1
25X1

25X1
25X1

25X1
25X1

DIA BIIR RDA11-0014-78 FEB 79 SEC CLASS: 14D MSN: 0005P

ACCN: S086377

25X1

HSIAN OPTICAL INSTRUMENT PLANT HSIPEI	CH 341636N 1090052E	NPIC NO : - 21-62	
WAC NO :	BE/OBJ NO:	COMIREX NO:	
IDHS CODE:	EPF CAT : 30D	COMIREX NO:	

25X1
25X1

THIS REPORT HAS BEEN PREPARED IN ACCORDANCE WITH DIA RESPONSIBILITIES FOR THIRD-PHASE EXPLOITATION UNDER THE NATIONAL TASKING PLAN TO UPDATE EXISTING BASIC REPORTS. DIA, RDA-11/0063/72, HSI-AN OPTICAL INSTRUMENT PLANT HSI-PEI, CHINA, MAY 72 (TOP SECRET RUFF) IS THE BASIC REPORT FOR THIS TARGET.

25X1

BETWEEN MAY 1971 AND OCTOBER 1977 SIGNIFICANT CHANGES AT THIS INSTALLATION INCLUDED THE CONSTRUCTION OF 53 NEW BUILDINGS AND 11 BUILDING ADDITIONS. ONE BUILDING WAS DISMANTLED. OF THE NEW BUILDINGS, 4 ARE STILL UNDER CONSTRUCTION AND 24 ARE INCLUDED IN THE NEW FUNCTIONAL AREA (AREA H). THESE CHANGES MAKE A NEW TOTAL ROOF COVER OF 126,594 SQUARE METERS, OR AN INCREASE OF 17,977 SINCE

25X1

25X1

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

25X1

NPIC MODL FEB 79 SEC CLASS: 14B MSN: 0002P ACCN: S086380 25X1

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

THIS REPORT ANNOUNCES THE COMPLETION OF A NEW, THREE-DIMENSIONAL SCALE MODEL OF THE VARIABLE-GEOMETRY-WINGED BACKFIRE B, WHICH IS THE NEWEST BOMBER IN THE SOVIET INVENTORY. THE MODEL MAY BE USED AS A VISUAL AID FOR BRIEFING OR FOR AIDING THE ANALYST IN HIS STUDY OF THIS PARTICULAR ITEM. IT IS AVAILABLE ON SHORT-TERM LOAN FROM NPIC TO AUTHORIZED PERSONNEL.*

DIA BIIR RDA10-0002-78 FEB 79 SEC CLASS: 14A MSN: 0006P ACCN: S086381 25X1

TAMATAVE PORT FACILITIES MA 180930S 0492530E
WAC NO : BE/OBJ NO: NPIC NO : - 2-A
IDHS CODE: EPF CAT : 75I COMIREX NO:

25X1
25X1

THIS REPORT IS A DETAILED, IMAGERY-DERIVED ANALYSIS OF TAMATAVE PORT FACILITIES LOCATED ALONG THE EASTERN COAST OF THE MALAGASY REPUBLIC. THE FACILITY PRIMARILY HANDLES AGRICULTURAL POL, METAL PRODUCTS, TEXTILES AND VEHICLES. THERE ARE 1,675 METERS OF MAJOR BERTHING SPACE. MECHANICAL HANDLING EQUIPMENT INCLUDES 7 AUTOMOTIVE JIB CRANES, 13 PORTAL JIB CRANES, 1 FLOATING SHEERLEGS, 1 ORE LOADER, 1 ROLLING CRANE AND 1 HAMMERHEAD CRANE. OPEN STORAGE AREAS COVER 118,098 SQUARE METERS. THE FACILITY CONTAINS 58 BUILDINGS/STRUCTURES.

THIS REPORT IS PRESENTED IN GRAPHIC, TEXTUAL, AND TABULAR FORM. IT INCLUDES A MAP, 2 ANNOTATED PHOTOGRAPHS, AND TABLES. A REFERENCE DATA LIST PROVIDES IMAGERY, MAP AND DOCUMENTARY SOURCES.

25X1

1177
TOP SECRET CHESS RUFF

25X1
25X1

Page Denied

Next 1 Page(s) In Document Denied

Declassified in Part - Sanitized Copy Approved for Release 2014/03/07 : CIA-RDP80T00913A000200030001-4

[Redacted]

TOP SECRET CHESS RUFF

[Redacted]

[Redacted]

25X1
25X1

[Redacted]

25X1

DIA IIM 5B3-71339-79 26 FEB 79 [Redacted] SEC CLASS: 13 MSN: [Redacted] 0001P

ACCN: S086391 25X1

KONOTOP AIRCRAFT REPAIR BASE

WAC NO : [Redacted]
IUHS CODE: [Redacted]

BE/OBJ NO: [Redacted]
EPF CAT : 05F

UR 511430N 0330840E
NPIC NO : -
COMIREX NO:

25X1

[Redacted]

25X1

1180
TOP SECRET CHESS RUFF

[Redacted]

[Redacted]

25X1
25X1

Declassified in Part - Sanitized Copy Approved for Release 2014/03/07 : CIA-RDP80T00913A000200030001-4

Declassified in Part - Sanitized Copy Approved for Release 2014/03/07 : CIA-RDP80T00913A000200030001-4

[Redacted]

TOP SECRET CHESS RUFF

[Redacted]

[Redacted]

25X1

[Large Redacted Area]

25X1

DIA IIM 5B1-71337-79 27 FEB 79 [Redacted] SEC CLASS: 14 MSN: [Redacted] 0011P

ACCN: S086400 25X1.1

BIALYSTOK MILITARY INSTALLATIONS POSS

PL 5308 N 02310 E

1181

TOP SECRET CHESS RUFF

[Redacted]

[Redacted]

25X1
25X1

Declassified in Part - Sanitized Copy Approved for Release 2014/03/07 : CIA-RDP80T00913A000200030001-4

TOP SECRET CHESS RUFF

25X1
25X1

WAC NO :	[]	BE/OBJ NO:		NPIC NO :	-	
IDHS CODE:	[]	EPF CAT :	35A	COMIREX NO:		
BIALYSTOK MILITARY TRAINING AREA SW		PL	530520N 0230455E			
WAC NO :	[]	BE/OBJ NO:	[]	NPIC NO :	- 8-E	
IDHS CODE:	[]	EPF CAT :	35B	COMIREX NO:		
BIALYSTOK MILITARY TRAINING AREA EAST		PL	530855N 0231540E			
WAC NO :	[]	BE/OBJ NO:	[]	NPIC NO :	- 8-C5	
IDHS CODE:	[]	EPF CAT :	35B	COMIREX NO:		
BIALYSTOK MILITARY BARRACKS ZAREN 4		PL	530609N 0230802E			
WAC NO :	[]	BE/OBJ NO:	[]	NPIC NO :	- 8-E1	
IDHS CODE:	[]	EPF CAT :	35A	COMIREX NO:		
BIALYSTOK MILITARY BARRACKS 3		PL	530727N 0230805E			
WAC NO :	[]	BE/OBJ NO:	[]	NPIC NO :	- 8-C3	
IDHS CODE:	[]	EPF CAT :	35A	COMIREX NO:		

25X1
25X1
25X1
25X1
25X1
25X1

NPIC MEMO [] 27 FEB 79 [] SEC CLASS: 13 MSN: 0003P ACCN: S086401

DOMNA AIRFIELD CONSTRUCTION NEW		UR	515500N 1130718E			
WAC NO :	[]	BE/OBJ NO:	[]	NPIC NO :	- 2	
IDHS CODE:	[]	EPF CAT :	05A	COMIREX NO:	[]	

25X1
25X1
25X1

THIS MEMO DESCRIBES, FROM COVERAGE OF [] CONSTRUCTION OF TEN TYPE C HANGARETTES AT THE NORTH-NORTHWEST SECTION OF DOMAN AIRFIELD. SIX HANGARETTES WERE EXTERNALLY COMPLETE, TWO WERE IN THE MID-STAGES, AND TWO WERE IN THE EARLY STAGES OF CONSTRUCTION. THE TYPE C WILL PROBABLY HOUSE THE FENCERS AT THIS AIRFIELD. ALSO INCLUDED IN THIS REPORT ARE THE NORMAL ORDER-OF-BATTLE USUALLY SEEN THERE.*

25X1

1182
TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

25X1

DIA IIM 5B3-71407-79 05 MAR 79 [] SEC CLASS: 13 MSN: [] 0001P ACCN: S086408 25X1

ODESSA AIRCRAFT REPAIR BASE UR 462432N 0304211E
WAC NO : [] BE/OBJ NO: [] NPIC NO : -
IDHS CODE: [] EPF CAT : 05F COMIREX NO:

25X25X1

DIA IIM 5B3-71358-79 01 MAR 79 [] SEC CLASS: 13 MSN: [] 0001P ACCN: S086409 25X1

NASOSNYI AIRCRAFT REPAIR BASE UR 403601N 0493248E
WAC NO : [] BE/OBJ NO: [] NPIC NO : -
IDHS CODE: [] EPF CAT : 05F COMIREX NO:

25X1

DIA IIM 5B3-71380-79 01 MAR 79 [] SEC CLASS: 13 MSN: [] 0001P ACCN: S086410 25X1

NOVOALEKSEYEVKA AIRFIELD UR 500819N 0553929E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 32-A
IDHS CODE: [] EPF CAT : 05A COMIREX NO:

25X1

25X1

TOP SECRET CHESS RUFF

25X1

25X1

TOP SECRET CHESS RUFF

25X1

DIA IIM 5B3-71389-79 02 MAR 79 [] SEC CLASS: 13 MSN: [] 0001P ACCN: S086412 25X1

MILOVICE AIRFIELD AIRCRAFT BUNKERS

WAC NO : [] BE/OBJ NO: [] CZ 501411N 0145522E NPIC NO : - 110
IDHS CODE: [] EPF CAT : 05A COMIREX NO: []

25X1
25X1

DIA IIM 5B3-71382-79 02 MAR 79 [] SEC CLASS: 13 MSN: [] 0001P ACCN: S086413 25X1

NAMEST NAD OSLAVOU AIRFIELD AIRCRAFT BUNKERS

WAC NO : [] BE/OBJ NO: [] CZ 490958N 0160728E NPIC NO : - 289
IDHS CODE: [] EPF CAT : 05A COMIREX NO: []

25X1
25X1

DIA IIM 5B3-71378-79 02 MAR 79 [] SEC CLASS: 13 MSN: [] 0001P ACCN: S086414 25X1

GORKIY AIRFRAME PLANT 21 FOXBAT MIG-25 COUNTS

WAC NO : [] BE/OBJ NO: [] UR 561916N 0435100E NPIC NO : - 14
IDHS CODE: [] EPF CAT : 05G COMIREX NO: []

25X1
25X1

DIA IIM 5B3-71377-79 01 MAR 79 [] SEC CLASS: 13 MSN: [] 0001P ACCN: S086416 25X1

DOBRANY AIRFIELD AIRCRAFT BUNKERS

WAC NO : [] BE/OBJ NO: [] CZ 494030N 0131620E NPIC NO : - 45
IDHS CODE: [] EPF CAT : 05A COMIREX NO: []

25X1
25X1

DIA IIM 5B3-71351-79 28 FEB 79 [] SEC CLASS: 13 MSN: [] 0001P ACCN: S086418 25X1

LVOV/SKNILOV AIRCRAFT REPAIR BASE

WAC NO : [] BE/OBJ NO: [] UR 494930N 0235640E NPIC NO : -
IDHS CODE: [] EPF CAT : 05F COMIREX NO: []

25X1
25X1

TOP SECRET CHESS RUFF

25X1
25X1

[Redacted]

TOP SECRET CHESS RUFF

[Redacted]

[Redacted]

25X1

[Redacted]

25X1

DIA IIM 5B3-71329-79 28 FEB 79 [Redacted] SEC CLASS: 13 MSN: 0021P ACCN: S086420 25X1

AIRCRAFT: BADGER TU-16 DEPLOYMENT SNA UR
WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 05D COMIREX NO:

DIA IIM 5B1-71338-79 28 FEB 79 [Redacted] SEC CLASS: 14B MSN: [Redacted] 0005P ACCN: S086421 25X1

ROVNO ORDNANCE DEPOT KLEVAN D01 UR 504609N 0260552E
WAC NO : BE/OBJ NO: NPIC NO : - 49-E
IDHS CODE: EPF CAT : 35F COMIREX NO: [Redacted]

25X1

25X1

[Redacted]

25X1

DIA IIM 5B1-71347-79 05 MAR 79 [Redacted] SEC CLASS: 14B MSN: [Redacted] 0004P ACCN: S086423 25X1

ROVNO AMMUNITION DEPOT NNW DA1 UR 504108N 0261437E
WAC NO : BE/OBJ NO: NPIC NO : - 49-D
IDHS CODE: EPF CAT : 35F COMIREX NO: [Redacted]

25X1

25X1

[Redacted]

25X1

DIA IIM 5B3-71392-79 02 MAR 79 [Redacted] SEC CLASS: 13 MSN: [Redacted] 0003P ACCN: S086426 25X1

1185
TOP SECRET CHESS RUFF

[Redacted]

[Redacted]

25X1

25X1

TOP SECRET CHESS RUFF

25X1
25X1

KAVALEKOV0/LIFUDZIN AIRFIELD POL STGE CPCTY UR 441555N 1350230E
WAC NO : BE/OBJ NO: NPIC NO : - 13-K
IDHS CODE: EPF CAT : 051 COMIREX NO:

25X1

DIA IIM 5B3-71374-79 05 MAR 79 SEC CLASS: 13 MSN: 0002P

ACCN: 5086427

25X1

DZERZHINSK EXPLOSIVES + AMMO LDG SVERDLOV 80 UR 561633N 0432318E
WAC NO : BE/OBJ NO: NPIC NO : - 12-B
IDHS CODE: EPF CAT : 356 COMIREX NO:

25X1

25X1

25X1

DIA IIM 5B3-71369-79 05 MAR 79 SEC CLASS: 13 MSN: 0002P

ACCN: 5086430

25X1

KRASNOURALSK EXPLOSIVES PLANT UR 581924N 0600625E
WAC NO : BE/OBJ NO: NPIC NO : - 50-C
IDHS CODE: EPF CAT : 356 COMIREX NO:

25X1

25X1

DIA IIM 5B3-71321-79 05 MAR 79 SEC CLASS: 13 MSN: 0002P

ACCN: 5086431

25X1

RUBEZHNOYE CHEMICAL PLANT 20 UR 485930N 0382510E
WAC NO : BE/OBJ NO: NPIC NO : - 61
IDHS CODE: EPF CAT : 30F COMIREX NO:

25X1

25X1

25X1

DIA IIM 5B3-71379-79 02 MAR 79 SEC CLASS: 13 MSN: 0016P

ACCN: 5086433

25X1

1186
TOP SECRET CHESS RUFF

25X1
25X1

[Redacted]

TOP SECRET CHESS RUFF

[Redacted]

[Redacted]

25X1

AKHTUBINSK FLIGHT TEST CTR FOXBAT MIG-25 CNT
WAC NO : [Redacted]
IDHS CODE: [Redacted]

BE/OBJ NO: [Redacted]
EPF CAT : 05G

UR 481735N 0461216E
NPIC NO : - 18
COMIREX NO: [Redacted]

25X1
25X1

[Large Redacted Area]

25X1

1187
TOP SECRET CHESS RUFF

[Redacted]

[Redacted]

25X1
25X1

TOP SECRET CHESS RUFF

25X1

25X1

DIA IIM 5B3-71384-79 06 MAR 79 [] SEC CLASS: 13 MSN: [] 0003P ACCN: S086440 25X1

MIMON AIRFIELD AIRCRAFT BUNKERS

CZ 503712N 0144359E

WAC NO : []
IDHS CODE: []

BE/OBJ NO: []
EPF CAT : 05A

NPIC NO : - 111
COMIREX NO: []

25X1
25X1
25X1

DIA IIM 5B2-71299-79 MAR 79 [] SEC CLASS: 14 MSN: [] 0050P ACCN: S086443 25X1

MURMANSK PORT FACILITIES

UR 685849N 0330316E

WAC NO : []
IDHS CODE: []

BE/OBJ NO: []
EPF CAT : 75I

NPIC NO : - 12-C
COMIREX NO: []

25X1
25X1

CIA IRP IS10008J-79 FEB 79 [] SEC CLASS: 25B MSN: [] 0023P ACCN: S086444 25X1

MILITARY SIGNAL REGIMENTS DPL/ORG/EQUIPMENT

UR

WAC NO : []
IDHS CODE: []

BE/OBJ NO: []
EPF CAT : 35

NPIC NO : -
COMIREX NO: []

25X1

ANALYSIS OF PHOTOGRAPHY, [] THAT THERE ARE 34
SIGNAL REGIMENTS SUBORDINATE TO SOVIET ARMIES AND ARMY CORPS. THESE REGIMENTS PROVIDE COMMUNICATIONS NETS
LINKING THE ARMY OR ARMY CORPS COMMAND POSTS WITH ADJACENT ARMIES OR ARMY CORPS AND WITH ALL THE UNITS
SUBORDINATE TO THE ARMY OR ARMY CORPS. []

25X1
25X1

1188
TOP SECRET CHESS RUFF

25X1
25X1

Page Denied

TOP SECRET CHESS RUFF

25X1
25A1

25X1

NPIC MEMO [] 07 MAR 79 [] SEC CLASS: 14B MSN: [] 0002P ACCN: 5086450 25X1

SUZUN RADIO RELAY STATION

WAC NO : [] BE/OBJ NO: [] UR 534700N 0822010E
IDHS CODE: [] EPF CAT : 25D NPIC NO : - 41-A
COMIREX NO:

25X1

THIS MEMO PROVIDES THE NUMBER, TYPE, AND ORIENTATION OF RADIO RELAY ANTENNAS AT THE SUZUN RADREL STATION. []

25X1

DIA IIM 583-71413-79 08 MAR 79 [] SEC CLASS: 13 MSN: [] 0001P ACCN: 5086451 25X1'

BOROVSK AIRFIELD

WAC NO : [] BE/OBJ NO: [] UR 551333N 0363643E
IDHS CODE: [] EPF CAT : 05A NPIC NO : - 7
COMIREX NO: []

25X1
25X1

DIA IIM 583-71414-79 08 MAR 79 [] SEC CLASS: 13 MSN: [] 0001P ACCN: 5086452 25X1

CHUCHKOVO AIRFIELD

UR 541429N 0413021E

1190

TOP SECRET CHESS RUFF

25X1
25X1

[Redacted]

TOP SECRET CHESS RUFF [Redacted]

[Redacted]

25X1

WAC NO : [Redacted]
IDHS CODE: [Redacted]

BE/OBJ NO: [Redacted]
EPF CAT : 05A

NPIC NO : - 43-A
COMIREX NO: [Redacted]

25X1
25X1

DIA IIM 5B3-71415-79 08 MAR 79 [Redacted]

[Redacted]

SEC CLASS: 13 MSN: [Redacted] 0001P

ACCN: 5086453

25X1

POVORINO AIRFIELD SOUTH

WAC NO : [Redacted]
IDHS CODE: [Redacted]

BE/OBJ NO: [Redacted]
EPF CAT : 05A

UR 510500N 0421027E
NPIC NO : - 33-C
COMIREX NO:

25X1

[Large Redacted Area]

25X1

TOP SECRET CHESS RUFF [Redacted]

[Redacted]

25X1
25X1

TOP SECRET CHESS RUFF

25X1

25X1

NPIC MEMO [] 09 MAR 79 [] SEC CLASS: 14B MSN: 0002P ACCN: 5086461

25X1

KAMYZYAK RADIO RELAY STATION SEARCH	UR	460649N 0480410E
WAC NO : []	BE/OBJ NO: []	NPIC NO : - 47
IUHS CODE: []	EPF CAT : 25D	COMIREX NO:
ASTRAKHAN RADIO RELAY/TV/FM BROADCAST CENTER	UR	462140N 0480310E
WAC NO : []	BE/OBJ NO: []	NPIC NO : - 1-C2
IUHS CODE: []	EPF CAT : 25B	COMIREX NO:
ASTRAKHAN RADIO RELAY/TV/FM BROADCAST CENTER	UR	462140N 0480310E
WAC NO : []	BE/OBJ NO: []	NPIC NO : - 1-C2
IUHS CODE: []	EPF CAT : 25D	COMIREX NO:

25X1

25X1

25X1

THIS MEMO PROVIDES THE NUMBER, TYPE, AND ORIENTATION OF ANTENNAS LOCATED AT, AND A CURRENT DESCRIPTION OF ASTRAKHAN RADIO RELAY/TV/FM BROADCASTING CENTER. IT ALSO REPORTS THAT KAMYZYAK PROBABLE RADIO RELAY STATION IS NOT A RADIO RELAY STATION. ALL AVAILABLE KEYHOLE IMAGERY OF THE ASTRAKHAN AREA WAS REVIEWED.*

25X1

1192
TOP SECRET CHESS RUFF

25X1
25X1

Page Denied

Next 4 Page(s) In Document Denied

TOP SECRET CHESS RUFF

25X1
25A1

25X1

NPIC MEMO [] 15 MAR 79 [] SEC CLASS: 14B MSN: 0002P ACCN: S086483

25X1

KERKI RADIO RELAY STATION		UR	634330N 0540948E
WAC NO :	[]	NPIC NO :	- 4
IDHS CODE:	[]	COMIREX NO:	[]
MALAYA PERA RADIO RELAY STATION		UR	641016N 0545029E
WAC NO :	[]	NPIC NO :	- 36
IDHS CODE:	[]	COMIREX NO:	[]
VODNYI RADIO RELAY STATION		UR	633000N 0531730E
WAC NO :	[]	NPIC NO :	- 30
IDHS CODE:	[]	COMIREX NO:	[]

25X1

25X1

25X1

25X1

25X1

25X1

THIS MEMO PROVIDES THE CURRENT NUMBER, TYPE, AND ORIENTATION OF ANTENNAS, AND REPORTS ANY EVIDENCE OF NEW CONSTRUCTION AT KERKI, MALAYA PERA, AND VODNYI RADIO RELAY STATIONS. []

25X1

NPIC SR SR011-79 MAR 79 Z20003-79 SEC CLASS: 05B MSN: 0006P ACCN: S086484

TRANSPORTATION, RAIL TRANSLOADING FACILS MIL		PL	
WAC NO :	[]	NPIC NO :	-
IDHS CODE:	[]	COMIREX NO:	[]
MILITARY, RAIL TRANSLOADING FACILITIES		PL	
WAC NO :	[]	NPIC NO :	-
IDHS CODE:	[]	COMIREX NO:	[]

25X1

THIS REPORT IS A TABULATION OF THE 23 MILITARY TRANSLOADING FACILITIES IN POLAND IDENTIFIED ON IMAGERY AS OF [] THESE FACILITIES ARE WITHIN A FEW MILES OF THE POLISH-SOVIET BORDER. THEY ARE GENERALLY ISOLATED, SITUATED ON MAJOR EAST/WEST RAIL LINES, AND APPEAR TO SERVE AS TRANSFER POINTS BETWEEN WIDE AND STANDARD GAUGE RALS.

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

25X1

1198
TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

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 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.

25X1

25X1

1199
TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

25X1

NPIC BIIR KCA09-0005-79 MAR 79 SEC CLASS: 25B MSN: 0024P ACCN: S086488 25X1

VOTKINSK MISSILE/MACH/STEEL PLANT 235 SSM ACT	UR	570242N 0535903E	
WAC NO : []	BE/OBJ NO :	[]	NPIC NO : - 13-B
IDHS CODE : []	EPF CAT :	40	COMIREX NO : []
VOTKINSK MISSILE/MACH/STEEL PLANT 235 SSM ACT	UR	570242N 0535903E	25X1
WAC NO : []	BE/OBJ NO :	[]	NPIC NO : - 13-B
IDHS CODE : []	EPF CAT :	30C	COMIREX NO : []
VOTKINSK MISSILE ASBLY/CHECKOUT FACIL SSM ACT	UR	570224N 0540830E	25X1
WAC NO : []	BE/OBJ NO :	[]	NPIC NO : - 13-E
IDHS CODE : []	EPF CAT :	40E	COMIREX NO : []
ORENBURG GUIDED MISSILE PLANT 47 SSM ACTIVITY	UR	514818N 0550802E	25X1
WAC NO : []	BE/OBJ NO :	[]	NPIC NO : - 2-B
IDHS CODE : []	EPF CAT :	40E	COMIREX NO : []
MOSKVA SCIENTIFIC RSCH INST MACH BLDG SSM ACT	UR	555130N 0373630E	25X1
WAC NO : []	BE/OBJ NO :	[]	NPIC NO : - 45-B2
IDHS CODE : []	EPF CAT :	40E	COMIREX NO : []
MOSKVA SCIENTIFIC RSCH INST MACH BLDG SSM ACT	UR	555130N 0373630E	25X1
WAC NO : []	BE/OBJ NO :	[]	NPIC NO : - 45-B2
IDHS CODE : []	EPF CAT :	65A	COMIREX NO : []
MOSKVA GUIDED MISSILE/SPACE RSCH CTR SSM ACT	UR	554547N 0375209E	25X1
WAC NO : []	BE/OBJ NO :	[]	NPIC NO : - 58-N
IDHS CODE : []	EPF CAT :	40E	COMIREX NO : []
MOSKVA GUIDED MISSILE/SPACE RSCH CTR SSM ACT	UR	554547N 0375209E	25X1
WAC NO : []	BE/OBJ NO :	[]	NPIC NO : - 58-N
IDHS CODE : []	EPF CAT :	40H	COMIREX NO : []
MOSKVA MISSILE PRODUCTION PLT FILI 23 SSM ACT	UR	554530N 0372928E	25X1
WAC NO : []	BE/OBJ NO :	[]	NPIC NO : - 46-I
IDHS CODE : []	EPF CAT :	40E	COMIREX NO : []

25X1

25X1

1200
TOP SECRET CHESS RUFF

[Redacted]

TOP SECRET CHESS RUFF [Redacted]

[Redacted]

25X1

FAUSTOVO AEROSPACE R+D FACILITY SSM ACTIVITY	UR	552746N 0383143E
WAC NO : [Redacted]	BE/OBJ NO: [Redacted]	NPIC NO : - 50-B
IDHS CODE: [Redacted]	EPF CAT : 40H	COMIREX NO: [Redacted]
UNEPROPETROVSK MISSILE DPC SSM ACTIVITY	UR	482601N 0345828E
WAC NO : [Redacted]	BE/OBJ NO: [Redacted]	NPIC NO : - 7-C
IDHS CODE: [Redacted]	EPF CAT : 40E	COMIREX NO: [Redacted]
MISSILES, SSM DEVELOPMENTS R+D/PROD INSTLS	UR	
WAC NO : [Redacted]	BE/OBJ NO: [Redacted]	NPIC NO : -
IDHS CODE: [Redacted]	EPF CAT : 40E	COMIREX NO: [Redacted]

25X1

25X1

25X1

25X1

THIS REPORT DESCRIBES THE RECENT DEVELOPMENTS AT EIGHT SOVIET STRATEGIC MISSILE RESEARCH, DEVELOPMENT, AND PRODUCTION FACILITIES INVOLVED IN SSM ACTIVITY. CURRENT PRODUCTION PROGRAMS AT THESE INSTALLATIONS INCLUDE THOSE FOR THE SS-11, SS-16/-20, SS-17, SS-18, SS-19, SS-N-7, SS-N-9, AND SS-N-3/-12 SYSTEMS. THERE IS EVIDENCE OF NEW AND MODIFIED SYSTEMS INCLUDING AT LEAST FOUR FOLLOW-ON/NEW STRATEGIC SSM SYSTEMS AND AT LEAST FIVE NEW OR MODIFIED TACTICAL MISSILE SYSTEMS.

THIS REPORT IS BASED ON ALL PERTINENT KEYHOLE IMAGERY ACQUIRED THROUGH [Redacted] THE CUTOFF DATE OF THIS REPORT, AND UPDATES THE PREVIOUS BASIC REPORT [Redacted] ON THESE EIGHT FACILITIES. A LOCATION MAP, 27 PHOTOGRAPHS, AND FOUR TABLES ARE INCLUDED IN THIS REPORT.

25X1

25X1

[Large Redacted Area]

25X1

NPIC MEMO [Redacted] 12 MAR 79 [Redacted] SEC CLASS: 14B MSN: 0002P ACCN: S086490

25X1

MEDNOGORSK RADIO RELAY STATION	UR	512442N 0573430E
WAC NO : [Redacted]	BE/OBJ NO: [Redacted]	NPIC NO : - 10
IDHS CODE: [Redacted]	EPF CAT : 25D	COMIREX NO: [Redacted]
ORENBURG TV CENTER	UR	514618N 0550659E

25X1

25X1

1201
TOP SECRET CHESS RUFF [Redacted]

[Redacted]

25X1

25X1

[Redacted]

TOP SECRET CHESS RUFF

[Redacted]

[Redacted]

25X1
25X1

WAC NO : [Redacted]
IDHS CODE: [Redacted]

BE/OBJ NO: [Redacted]
EPF CAT : 25B

NPIC NO : - 2-K2
COMIREX NO: [Redacted]

25X1
25X1

THIS MEMO PROVIDES A DESCRIPTION OF ORENBURG TV CENTER AND THE NUMBER, TYPE, AND ORIENTATION OF ANTENNAS THERE. THIS MEMO ALSO PROVIDES A DESCRIPTION OF MEDNOGORSK RADIO RELAY STATION. KEYHOLE IMAGERY FROM [Redacted] WAS USED.*

25X1

CIA INFR IS10048K-79 12 MAR 79 [Redacted] SEC CLASS: 13 MSN: 0004P ACCN: S086491

25X1

MILITARY, ACTIVITY SUMMARY SOUTHERN BORDER YE
WAC NO : [Redacted] BE/OBJ NO: [Redacted] NPIC NO : -
IDHS CODE: [Redacted] EPF CAT : 35 COMIREX NO:

THIS MEMO SUMMARIZES MILITARY ACTIVITY IN THE SOUTHERN BORDER AREA OF THE YEMEN ARAB REPUBLIC (YAR) BASED ON SATELLITE PHOTOGRAPHY DATED [Redacted] SPECIFICALLY ANALYZED IS THE ACTIVITY WEST OF QATABAH IN THE YAR TO DETERMINE THE EXTENT OF THE SOUTH YEMENI SUPPORTED OFFENSIVE IN THIS AREA.*

25X1

CIA INFR IS10042K-79 08 MAR 79 [Redacted] SEC CLASS: 13 MSN: 0003P ACCN: S086492

25X1

YANGPACHING GEOTHERMAL POWER STATION CH 300321N 0902939E
WAC NO : [Redacted] BE/OBJ NO: [Redacted] NPIC NO : - 26-A
IDHS CODE: [Redacted] EPF CAT : 30E COMIREX NO: [Redacted]

25X1
25X1

THIS MEMO PROVIDES INFORMATION ON YANGBAJING (YANG-PA-CHING) GEOTHERMAL POWER STATION, CHINA. THE INFORMATION WAS DERIVED FROM SATELLITE PHOTOGRAPHY ACQUIRED IN LATE 1978 AND INCLUDES A DESCRIPTION OF STATION FACILITIES AND EVIDENCE OF PLANNED EXPANSION.*

[Large Redacted Area]

25X1

1202
TOP SECRET CHESS RUFF

[Redacted]

[Redacted]

25X1
25X1

TOP SECRET CHESS RUFF

25X1
25X1

CIA INFR IS10021K-79 08 FEB 79 [] SEC CLASS: 13 MSN: 0004P ACCN: S086494 25X1

DEPUTATSKIY TROPSCATTER/MICROWAVE TOWER POSS UR 6912 N 13947 E
 WAC NO : [] BE/OBJ NO: NPIC NO : - 25X1
 IDHS CODE: [] EPF CAT : 25D COMIREX NO:
 KAZACHYE U/I CONSTRUCTION UR 7044 N 13610 E
 WAC NO : [] BE/OBJ NO: NPIC NO : - 25X1
 IDHS CODE: [] EPF CAT : 10B COMIREX NO:
 UST KUYGA MICROWAVE TOWER SITE POSS U/C UR 7001 N 13531 E
 WAC NO : [] BE/OBJ NO: NPIC NO : - 25X1
 IDHS CODE: [] EPF CAT : 25D COMIREX NO:
 KULAR COMMUNICATIONS FACILITY SEARCH UR 7038 N 13420 E
 WAC NO : [] BE/OBJ NO: NPIC NO : - 25X1
 IDHS CODE: [] EPF CAT : 25D COMIREX NO:
 TIKSI TROPSCATTER STATION 19-METER DISH ANTS UR 713806N 1284509E
 WAC NO : [] BE/OBJ NO: [] NPIC NO : - 6-B 25X1
 IDHS CODE: [] EPF CAT : 25D COMIREX NO: [] 25X1

THE SOVIETS ARE KNOWN TO HAVE NEGOTIATED WITH THE JAPANESE FOR THE PURCHASE OF TROPSCATTER AND MICROWAVE COMMUNICATIONS FACILITIES TO BE INSTALLED DURING 1976 IN THE REMOTE TIKSI-DEPUTATSKIY AREA OF NORTHERN SIBERIA. THE TOWNS AND SURROUNDING AREAS OF TIKSI, KULAR, KAZACHYE, UST KUYGA, AND DEPUTATSKIY WERE SEARCHED ON VARIOUS PHOTOGRAPHY DATED BETWEEN [] FOR EVIDENCE OF NEW COMMUNICATIONS FACILITIES AND NEW ECONOMIC OR MILITARY ACTIVITY. A PREVIOUS OIA REPORT NOTED LITTLE NEW ACTIVITY IN ANY OF THESE FIVE TOWNS AS OF MAY 1976, BUT NEW CONSTRUCTION HAS SINCE OCCURRED AT OR NEAR ALL FIVE TOWNS. TWO TROPSCATTER DISHES WERE ADDED TO AN EXISTING TROPSCATTER SITE AT TIKSI AND A TOWER WAS CONSTRUCTED ON A MOUNTAIN NEAR DEPUTATSKIY. SOME NEW CONSTRUCTION, MOSTLY BUILDINGS, WAS OBSERVED AT KAZACHYE, KULAR, AND UST-KUYGA BUT NOTHING SUGGESTIVE OF COMMUNICATIONS FACILITIES WAS OBSERVED EXCEPT FOR AN AREA OF EXCAVATION ON A HIGH BLUFF OVERLOOKING UST-KUYGA. THE LATTER COULD POSSIBLY BE THE SITE FOR A MICROWAVE TOWER.

25X1

CIA INFR IS10036K-79 01 MAR 79 [] SEC CLASS: 13 MSN: 0003P ACCN: S086495 25X1

ASTRAKHAN GAS FIELD DEVELOPMENT UR 4621 N 04803 E
 WAC NO : 0248 BE/OBJ NO: NPIC NO : -
 IDHS CODE: [] EPF CAT : 30A COMIREX NO: 25X1

A 70,000-SQUARE-KILOMETER AREA NORTH AND WEST OF ASTRAKHAN WAS SEARCHED ON 1977 AND 1978 SATELLITE IMAGERY TO DETERMINE THE EXTENT OF DEVELOPMENT OF THE ASTRAKHAN GASFIELD, A NEW FIELD THE SOVIETS ARE BEGINNING TO DEVELOP. THE ACTIVITY OBSERVED CONSISTS OF EXPLORATORY DRILLING COVERING AN ELONGATED AREA OF ABOUT 19,500 SQUARE KILOMETERS TRENDING 290 KM EAST AND WEST. THE HEAVIEST CONCENTRATION OF EXPLORATORY DRILLING OPERATIONS WAS IN A 3,000-SQUARE-KILOMETER AREA CENTERED ABOUT 60 KM NORTHWEST OF ASTRAKHAN.

CIA INFR IS10027K-79 14 FEB 79 [] SEC CLASS: 14 MSN: 0003P ACCN: S086496 25X1

1203
TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1
25X1

TRANSPORTATION, ROAD CONST CHINESE CEASED LA
WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 85A COMIREX NO:

ANALYSIS OF RECENT [REDACTED] INDICATES THAT THE CHINESE HAVE PROBABLY DISCONTINUED THEIR EFFORTS TO BUILD A ROAD FROM BAN NAM BAC TO LUANG PRABANG IN NORTHERN LAOS. THE ROAD AND SURVEY TRACE HAVE NOT BEEN EXTENDED ANY FARTHER SOUTH SINCE SEPTEMBER 1978. FURTHERMORE, EXCEPT FOR ONE DOZER, WITHOUT A BLADE, NO VEHICLES OR CONSTRUCTION ACTIVITY WERE OBSERVED OVER THE SOUTHERNMOST 10 KM OF ROAD CONSTRUCTION. IMAGERY ALSO SHOWS THAT NO ATTEMPT HAS BEEN MADE TO REMOVE OR BYPASS A LANDSLIDE THAT HAS BLOCKED THE EAST-WEST ROAD EAST OF BAN NAM BAC SINCE AT LEAST SEPTEMBER 1978.

25X1

CIA INFR IS10031J-79 26 FEB 79 [REDACTED] SEC CLASS: 24 MSN: 0005P ACCN: S086497

25X1

MILITARY, ARMORED FORCES REORGANIZATION IZ
WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 35 COMIREX NO:

CIA INFR IS10035J-79 28 FEB 79 [REDACTED] SEC CLASS: 25 MSN: 0007P ACCN: S086498

25X1

ELECTRONICS, RADAR NETWORK COASTAL/NW BORDER AG
WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 25A COMIREX NO:

THIS MEMO PROVIDES THE DISPOSITION OF ALGERIA'S EARLY WARNING, GROUND CONTROL INTERCEPT, AND HEIGHT FINDING RADAR NETWORK ALONG THE COAST AND THE WESTERN BORDER WITH MOROCCO, WESTERN SAHARA, AND PART OF MAURITANIA. ALSO INCLUDED ARE THE RADARS ASSOCIATED WITH ALGERIA'S SA-2 AND SA-6 SURFACE-TO-AIR (SAM) UNITS. THE STUDY IS BASED ON A SEARCH OF SELECTED SATELLITE PHOTOGRAPHY FROM 1975 THROUGH 1978 CORRELATED WITH DOCUMENTS LISTING THE ELECTRONIC ORDER OF BATTLE FOR ALGERIA.*

CIA INFR IS10037K-79 07 MAR 79 [REDACTED] SEC CLASS: 13 MSN: 0003P ACCN: S086499

25X1

MILITARY, ACTIVITY SUMMARY SOUTHERN BORDER YE
WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 35 COMIREX NO:

THIS MEMORANDUM SUMMARIZES OIA'S ANALYSIS OF MILITARY ACTIVITY IN THE SOUTHERN BORDER AREA OF THE YEMEN ARAB REPUBLIC (YAR) BASED ON SATELLITE PHOTOGRAPHY DATED [REDACTED] SPECIFICALLY, THE ACTIVITY IN THE VICINITY OF THE MAJOR YAR BORDER TOWNS OF AL BAYDAH AND QATARAH IS ADDRESSED. THESE

25X1

25X1

1204
TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

CIA INFR IS10039K-79 06 MAR 79 [] SEC CLASS: 13 MSN: 0003P ACCN: S086500 25X1

MILITARY ACTIVITY SUMMARY SOUTHERN BORDER YE
WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 35 COMIREX NO:

THIS MEMORANDUM SUMMARIZES OIA'S ANALYSIS OF MILITARY ACTIVITY IN THE SOUTHERN BORDER AREA OF THE YEMAN ARAB REPUBLIC (YAR) BASED ON SATELLITE PHOTOGRAPHY DATED [] OIA HAS ANALYZED THE ACTIVITY IN THE VICINITY OF THE YAR BORDER TOWNS OF QATABAH AND AL BAYDAH TO DETERMINE THE EXTENT OF PENETRATION OF THE SOUTH YEMEN (PDRY) SUPPORTED OFFENSIVE IN THESE AREAS.

25X1

CIA INFR IS10045K-79 09 MAR 79 [] SEC CLASS: 13 MSN: 0003P ACCN: S086501 25X1

MILITARY ACTIVITY SUMMARY SOUTHERN BORDER YE
WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 35 COMIREX NO:

THIS MEMORANDUM SUMMARIZES OIA'S ANALYSIS OF MILITARY ACTIVITY IN THE SOUTHERN BORDER AREA OF THE YEMAN ARAB REPUBLIC (YAR) BASED ON SATELLITE PHOTOGRAPHY DATED [] SPECIFICALLY, OIA HAS ANALYZED THE ACTIVITY IN THE YAR NORTH OF QATABAH AND SOUTHEAST OF YARIM TO DETERMINE THE DISPOSITION OF SOUTH YEMEN (PDRY) SUPPORTED FORCES AND YAR FORCES IN THIS AREA.

25X1

25X1

CIA INFR IS10024K-79 12 FEB 79 [] SEC CLASS: 14 X MSN: 0006P ACCN: S086503 25X1

PELINDABA STONE QUARRY EXPLOSIONS SF 2549 N 02755 E

1205
TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC NO : 1300 BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 30A COMIREX NO:

25X1

25X1

IMAGERY FROM APRIL 1972 TO JANUARY 1979 OF THE PELINDABA/VALINDABA AREA SHOWED NO HE TEST POINTS OR EVIDENCE OF HE TESTING THAT CAN BE RELATED TO A WEAPONS DEVELOPMENT PROGRAM. HOWEVER, THERE IS SOME EVIDENCE SUGGESTING THAT EXPLOSIVES ARE USED IN A QUARRY LOCATED IN A VALLEY NEAR THE PROBABLE CRITICALITY FACILITY SOUTH OF PELINDABA. IF EXPLOSIVES ARE USED AT THIS QUARRY, THEY COULD BE THE SOURCE OF THE EXPLOSIONS HEARD

25X1

25X1

CIA INFR IS10034J-79 26 FEB 79 SEC CLASS: 24 MSN: 0003P ACCN: S086505

25X1

PETROPAVLOVSK/YELIZOVO AIRFIELD COOT MODIFIED UR 531017N 1582711E
WAC NO : BE/OBJ NO: NPIC NO : - 11-A
IDHS CODE: EPF CAT : 05A COMIREX NO:

25X1

25X1

IMAGERY OF THE PETROPAVLOVSK-YELIZOVO AIRFIELD IN LATE DECEMBER 1978, CONFIRMS THE USE OF A MODIFIED SERIES IL-18 COOT DURING ICBM TEST FIRINGS INTO THE KAMCHATKA IMPACT AREA. THESE AIRCRAFT HAD PREVIOUSLY BEEN ASSESSED AS HAVING A ROLE IN MISSILE TESTS BASED ON OBSERVATIONS OF THE AIRCRAFT AT FIELDS ASSOCIATED WITH MISSILE TEST PROGRAMS. THESE COOT HAVE A 10-METER-LONG 'BOAT-SHAPED' ELECTRONICS PACKAGE ATOP THE FUSELAGE ABOVE THE WINGS.

25X1

CIA INFR IS10038K-79 06 MAR 79 SEC CLASS: 13 MSN: 0003P ACCN: S086506

25X1

MAKAT ASM IMPACT AREA B RADAR TGTS/CRTRS NEW UR 480600N 0534400E
WAC NO : BE/OBJ NO: NPIC NO : - 25-A
IDHS CODE: EPF CAT : 25C COMIREX NO:

25X1

25X1

1206
TOP SECRET CHESS RUFF

25X1

25X1

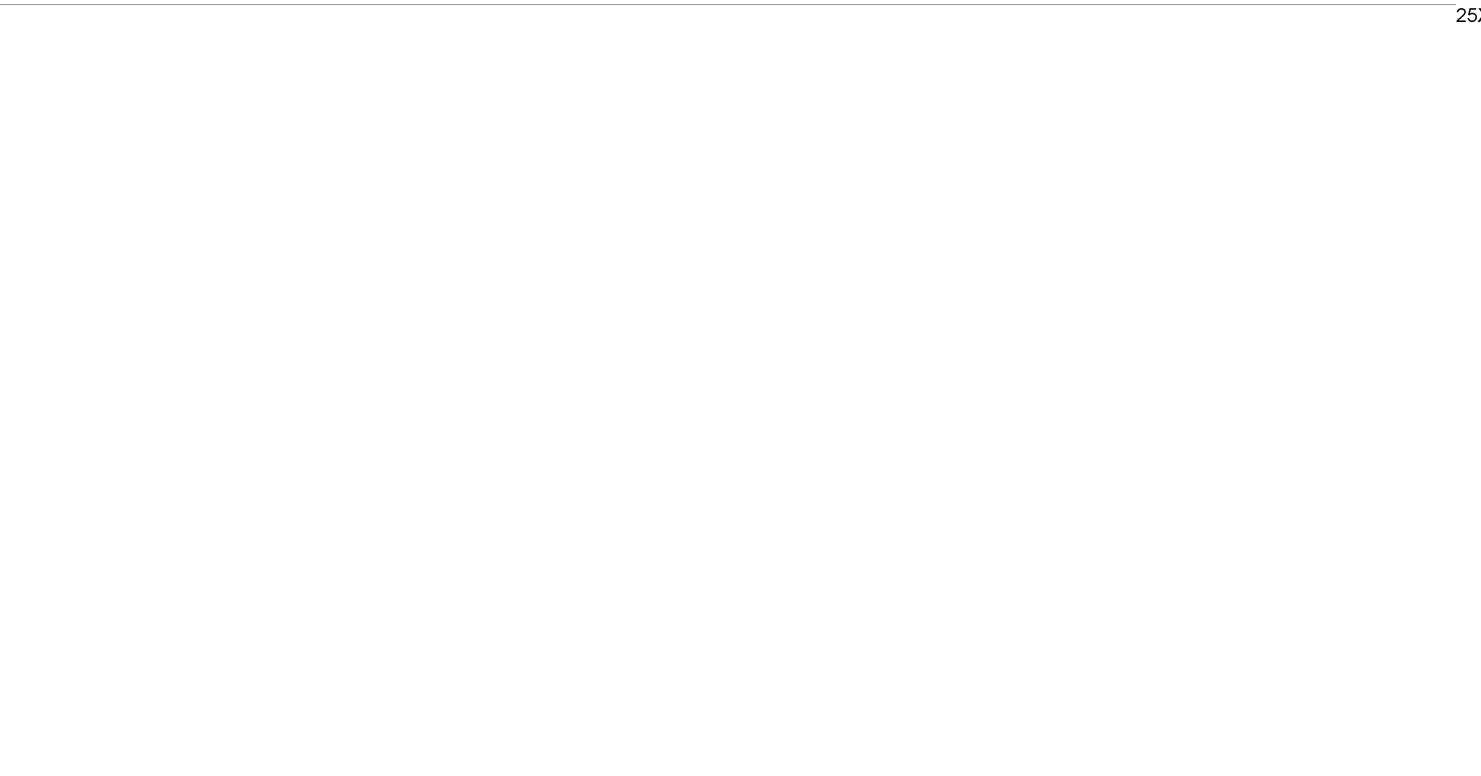


TOP SECRET CHESS RUFF



25X1
=

TARGET AREA B IN THE MAKAT AIR-TO-SURFACE (ASM) IMPACT AREA HAS RECENTLY BEEN EXPANDED TO INCLUDE TWO ADDITIONAL RADARS. THIS BRINGS TO FOUR THE NUMBER OF RADAR TARGETS IN THIS AREA. IN ADDITION, TWO IMPACT CRATERS HAVE RECENTLY APPEARED NEAR TWO OF THESE RADAR SITES.*



25X1

TOP SECRET CHESS RUFF



25X1
25X1

TOP SECRET CHESS RUFF

25X1

25X1

DIA IIM 5B3-71510-79 14 MAR 79 [] SEC CLASS: 13 MSN: [] 0001P ACCN: S086518 25X1

YEYSK AIRCRAFT REPAIR BASE

WAC NO : []
IUHS CODE: []

BE/OBJ NO: []
EPF CAT : 05F

UR 464202N 0381435E
NPIC NO : - 46-B4
COMIREX NO:

25X1,5X1

25X1

1208
TOP SECRET CHESS RUFF

25X1
25X1

Page Denied

TOP SECRET CHESS RUFF

25X1

25X1

DIA IIM 5B3-71473-79 14 MAR 79 [] SEC CLASS: 13 MSN: [] 0003P ACCN: S086530 25X1

GRAF IGNATIEVO AIRFIELD AIRCRAFT BUNKERS BU 421732N 0244249E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 30
IDHS CODE: [] EPF CAT : 05A COMIREX NO: []

25X1

25X1

DIA IIM 5B3-71481-79 14 MAR 79 [] SEC CLASS: 13 MSN: [] 0003P ACCN: S086531 25X1

BEZMER AIRFIELD AIRCRAFT BUNKERS BU 422720N 0262112E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 4
IDHS CODE: [] EPF CAT : 05A COMIREX NO: []

25X1

25X1

NPIC MEMO [] 14 MAR 79 [] SEC CLASS: 14D MSN: [] 0002P ACCN: S086533 25X1

ULAN UDE TROPOSCATTER STATION TWIN DISH ANT UR 515240N 1074553E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 18-A5
IDHS CODE: [] EPF CAT : 25D COMIREX NO: []
ULAN UDE ARMY BARRACKS AL1 TWIN DISH ANT SRCH UR 515350N 1073150E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 18-P
IDHS CODE: [] EPF CAT : 25D COMIREX NO: []
ULAN UDE ARMY BARRACKS AL1 TWIN DISH ANT SRCH UR 515350N 1073150E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 18-P
IDHS CODE: [] EPF CAT : 35A COMIREX NO: []
RYAKHTA TROPOSCATTER STA TWIN DISH ANT SEARCH UR 502135N 1062445E

25X1

25X1

25X1

25X1

25X1

1210

TOP SECRET CHESS RUFF

25X1

25X1

[Redacted]

TOP SECRET CHESS RUFF [Redacted]

[Redacted]

25X1

WAC NO :	[Redacted]	BE/OBJ NO:	[Redacted]	NPIC NO :	- 5-B1
IDHS CODE:	[Redacted]	EPF CAT :	25D	COMIREX NO:	
BAYANGOL TROPOSCATTER TWIN DISH ANTENNA	SRCH	MG	485830N 1060000E		
WAC NO :	[Redacted]	BE/OBJ NO:	[Redacted]	NPIC NO :	- 101
IDHS CODE:	[Redacted]	EPF CAT :	25D	COMIREX NO:	
ULAANBAATAR TROPO STATION TWIN DISH ANT	SRCH	MG	475924N 1065810E		
WAC NO :	[Redacted]	BE/OBJ NO:	[Redacted]	NPIC NO :	- 1-J
IDHS CODE:	[Redacted]	EPF CAT :	25D	COMIREX NO:	
SUMBER SUMA TROPO STATION TWIN DISH ANT	SRCH	MG	4624 N 10823 E		
WAC NO :	[Redacted]	BE/OBJ NO:	[Redacted]	NPIC NO :	- 24-A1
IDHS CODE:	[Redacted]	EPF CAT :	25D	COMIREX NO:	[Redacted]

25X1

25X1

25X1

25X1

25X1

THIS MEMO DETERMINES THE STATUS OF THE ULAN-UDE TO ULAAN BAATAR TWIN DISH TROPOSCATTER LINE. USING THE LATEST AVAILABLE IMAGERY OF THIS AREA, IT WAS OBSERVED THAT FIVE OUT OF SIX OF THE STATIONS ALONG THIS LINE NO LONGER HAVE TWIN DISH ANTENNAS.*

[Large Redacted Area]

25X1

DIA NBRG NDA07-5156-78 19 MAR 79

SEC CLASS: 056 MSN: 0001P

ACCN: S086537

SHUANGCHENG TZU MILITARY AREA

WAC NO :	[Redacted]	BE/OBJ NO:	[Redacted]	CH	4130 N 10030 E
IDHS CODE:	[Redacted]	EPF CAT :	35	NPIC NO :	-
				COMIREX NO:	

25X1

1211
TOP SECRET CHESS RUFF [Redacted]

[Redacted]

25X1

25X1

TOP SECRET CHESS RUFF

25X1
25X1

DIA	NBRG	NDA07-5157-78	19 MAR 79	SEC CLASS: 05G	MSN:	0001P	ACCN: S086538
		HSIMIAO ARMY BARRACKS AL1		CH	410120N 1001312E		
		WAC NO :	BE/OBJ NO:	NPIC NO :	- 1-B2		25X1
		IDHS CODE:	EPF CAT : 35A	COMIREX NO:			25X1
DIA	NBRG	NDA07-5158-78	19 MAR 79	SEC CLASS: 05G	MSN:	0001P	ACCN: S086539
		SHUANGCHENG TZU SPECIAL DEFENSE MOUND 8		CH	402546N 0995046E		
		WAC NO :	BE/OBJ NO:	NPIC NO :	- 2-D		25X1
		IDHS CODE:	EPF CAT : 35	COMIREX NO:			25X1
DIA	NBRG	NDA07-5159-78	19 MAR 79	SEC CLASS: 05G	MSN:	0001P	ACCN: S086540
		HSIMIAO ARMY BARRACKS AL2		CH	410025N 1001310E		
		WAC NO :	BE/OBJ NO:	NPIC NO :	-		25X1
		IDHS CODE:	EPF CAT : 35A	COMIREX NO:			
DIA	NBRG	NDA07-5160-78	19 MAR 79	SEC CLASS: 05G	MSN:	0001P	ACCN: S086541
		SHUANGCHENG TZU ARMY BARRACKS AL1		CH	410650N 1001650E		
		WAC NO :	BE/OBJ NO:	NPIC NO :	- 1-H1		25X1
		IDHS CODE:	EPF CAT : 35A	COMIREX NO:			
DIA	NBRG	NDA07-5161-78	19 MAR 79	SEC CLASS: 05G	MSN:	0001P	ACCN: S086542
		SHUANGCHENG TZU ARMY BARRACKS AL2		CH	410631N 1002025E		
		WAC NO :	BE/OBJ NO:	NPIC NO :	- 1-H2		25X1
		IDHS CODE:	EPF CAT : 35A	COMIREX NO:			25X1
DIA	NBRG	NDA07-5162-78	19 MAR 79	SEC CLASS: 05G	MSN:	0001P	ACCN: S086543
		SHUANGCHENG TZU DEFENSIVE STRONGPOINT		CH	411613N 1002013E		
		WAC NO :	BE/OBJ NO:	NPIC NO :	- 1-K2		25X1
		IDHS CODE:	EPF CAT : 35	COMIREX NO:			
DIA	NBRG	NDA07-5163-78	19 MAR 79	SEC CLASS: 05G	MSN:	0001P	ACCN: S086544
		SHUANGCHENG TZU SPECIAL DEFENSE MOUND 5		CH	414557N 1004208E		
		WAC NO :	BE/OBJ NO:	NPIC NO :	- 8		25X1
		IDHS CODE:	EPF CAT : 35	COMIREX NO:			25X1

1212
TOP SECRET CHESS RUFF

25X1
25X1



TOP SECRET CHESS RUFF



25X1
25A1

DIA	NBRG	NDA07-5164-78	19 MAR 79	SEC CLASS: 05G	MSN:	0001P	ACCN: S086545
		SHUANGCHENG TZU SPECIAL DEFENSE MOUND 4		CH	414323N 1002727E		
		WAC NO :		BE/OBJ NO:		NPIC NO : - 7	25X1
		IDHS CODE:		EPF CAT :	35	COMIREX NO:	25X1
DIA	NBRG	NDA07-5165-78	19 MAR 79	SEC CLASS: 05G	MSN:	0001P	ACCN: S086546
		SHUANGCHENG TZU SPECIAL DEFENSE MOUND 2		CH	415310N 1003327E		
		WAC NO :		BE/OBJ NO:		NPIC NO : - 20	25X1
		IDHS CODE:		EPF CAT :	35	COMIREX NO:	25X1
DIA	NBRG	NDA07-5166-78	19 MAR 79	SEC CLASS: 05G	MSN:	0001P	ACCN: S086547
		SHUANGCHENG TZU SPECIAL DEFENSE MOUND 3		CH	415610N 1010140E		
		WAC NO :		BE/OBJ NO:		NPIC NO : - 3-B	25X1
		IDHS CODE:		EPF CAT :	35	COMIREX NO:	25X1
DIA	NBRG	NDA07-5167-78	19 MAR 79	SEC CLASS: 05G	MSN:	0001P	ACCN: S086548
		SHUANGCHENG TZU WEAPONS POSITIONS		CH	420318N 1012212E		
		WAC NO :		BE/OBJ NO:		NPIC NO : - 28-C	25X1
		IDHS CODE:		EPF CAT :	35	COMIREX NO:	25X1
DIA	NBRG	NDA07-5168-78	19 MAR 79	SEC CLASS: 05G	MSN:	0001P	ACCN: S086549
		SHUANGCHENG TZU SPECIAL DEFENSE MOUND 6		CH	420703N 1005405E		
		WAC NO :		BE/OBJ NO:		NPIC NO : - 25	25X1
		IDHS CODE:		EPF CAT :	35	COMIREX NO:	25X1
DIA	NBRG	NDA07-5169-78	19 MAR 79	SEC CLASS: 05G	MSN:	0001P	ACCN: S086550
		SHUANGCHENG TZU SPECIAL DEFENSE MOUND 1		CH	421851N 1010654E		
		WAC NO :		BE/OBJ NO:		NPIC NO : - 19	25X1
		IDHS CODE:		EPF CAT :	35	COMIREX NO:	25X1
DIA	NBRG	NDA07-5170-78	19 MAR 79	SEC CLASS: 05G	MSN:	0001P	ACCN: S086551
		OCHINACHI DEFENSIVE STRONGPOINT		CH	422040N 1011400E		
		WAC NO :		BE/OBJ NO:		NPIC NO : -	25X1
		IDHS CODE:		EPF CAT :	35	COMIREX NO:	
DIA	NBRG	NDA06-5144-77	16 MAR 79	SEC CLASS: 05A	MSN:	0001P	ACCN: S086552

1213
TOP SECRET CHESS RUFF



25X1
25X1

TOP SECRET CHESS RUFF

25X1

AL ISKANDARIYAH PORT FACILITIES

WAC NO : [] BE/OBJ NO: []
IDHS CODE: [] EPF CAT : 75I

EG 311140N 0295255E
NPIC NO : - 2
COMIREX NO: []

25X1
25X1

DIA NBRG NDA07-5171-78 14 MAR 79

SEC CLASS: 056 MSN: 0001P

ACCN: S086553

CHINCHOU MILITARY AREA 2

WAC NO : [] BE/OBJ NO: []
IDHS CODE: [] EPF CAT : 35

CH 4107 N 12111 E
NPIC NO : -
COMIREX NO:

25X1

DIA NBRG NDA07-5172-78 14 MAR 79

SEC CLASS: 056 MSN: 0001P

ACCN: S086554

CHINCHOU MILITARY BARRACKS AL5 + HQ ARTY DIV

WAC NO : [] BE/OBJ NO: []
IDHS CODE: [] EPF CAT : 35A

CH 410744N 1211059E
NPIC NO : - 7-L
COMIREX NO: []

25X1
25X1

DIA NBRG NDA07-5173-78 14 MAR 79

SEC CLASS: 056 MSN: 0001P

ACCN: S086555

PEICHEN ARMY BARRACKS AL1

WAC NO : [] BE/OBJ NO: []
IDHS CODE: [] EPF CAT : 35A

CH 413607N 1214655E
NPIC NO : - 78
COMIREX NO: []

25X1
25X1

DIA NBRG NDA07-5174-78 14 MAR 79

SEC CLASS: 056 MSN: 0001P

ACCN: S086556

HEISHAN ARMY BARRACKS AL1

WAC NO : [] BE/OBJ NO: []
IDHS CODE: [] EPF CAT : 35A

CH 414115N 1220640E
NPIC NO : - 25-A3
COMIREX NO: []

25X1
25X1

DIA NBRG NDA07-5175-78 19 MAR 79

SEC CLASS: 056 MSN: 0001P

ACCN: S086557

PANSHIH MILITARY AREA 1

WAC NO : [] BE/OBJ NO: []
IDHS CODE: [] EPF CAT : 35

CH 4256 N 12604 E
NPIC NO : -
COMIREX NO:

25X1

DIA NBRG NDA07-5176-78 19 MAR 79

SEC CLASS: 056 MSN: 0001P

ACCN: S086558

PANSHIH ARMY BARRACKS SE AL1 + HQ ARTY DIV

WAC NO : [] BE/OBJ NO: []
IDHS CODE: [] EPF CAT : 35A

CH 425604N 1260424E
NPIC NO : - 137
COMIREX NO: []

25X1
25X1

DIA NBRG NDA07-5177-78 19 MAR 79

SEC CLASS: 056 MSN: 0001P

ACCN: S086559

TOP SECRET CHESS RUFF

25X1

25X1



TOP SECRET CHESS RUFF



25X1
25X1

HUINAN ARMY BARRACKS WEST AL1

WAC NO : BE/OBJ NO:
IDHS CODE: EPF CAT : 35A

CH 424103N 1255943E
NPIC NO : - 74-C
COMIREX NO:

25X1
25X1

DIA NBRG NDA07-5178-78 19 MAR 79

SEC CLASS: 05G MSN: 0001P

ACCN: S086560

HAILUNG ARMY BARRACKS WEST AL3

WAC NO : BE/OBJ NO:
IDHS CODE: EPF CAT : 35A

CH 423847N 1254839E
NPIC NO : -
COMIREX NO:

25X1

DIA NBRG NDA07-5179-78 19 MAR 79

SEC CLASS: 05G MSN: 0001P

ACCN: S086561

PANSHIH ARMY BARRACKS SOUTH AL2

WAC NO : BE/OBJ NO:
IDHS CODE: EPF CAT : 35A

CH 425150N 1260250E
NPIC NO : - 137-C1
COMIREX NO:

25X1
25X1

DIA IIM 561-71577-79 20 MAR 79

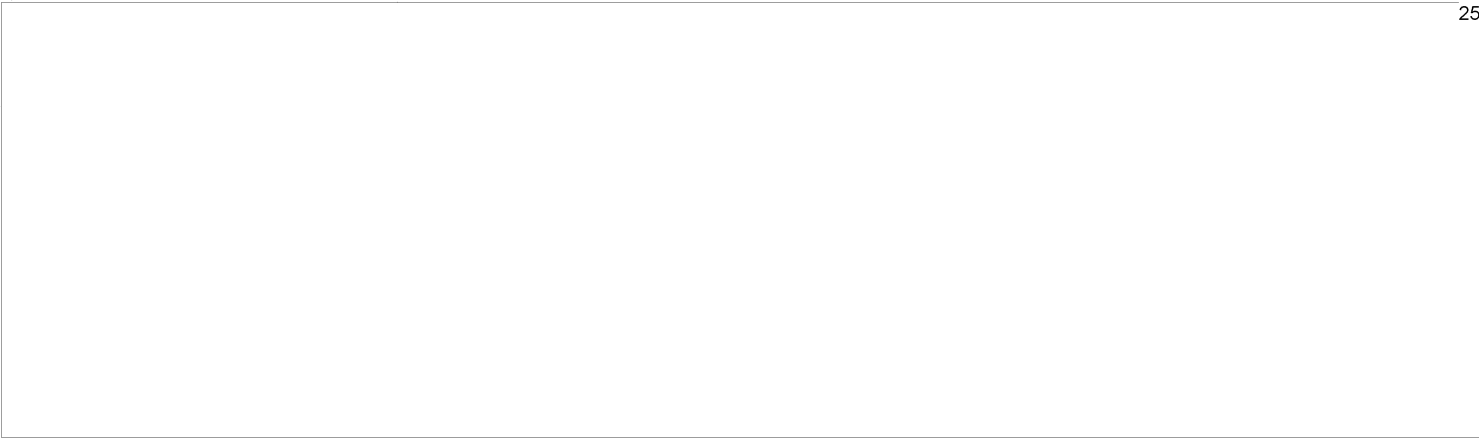
SEC CLASS: 14B MSN: 0001P

ACCN: S086562 25X1

MILITARY, GAZ-66 SMOKE GENERATING VEHICLE

WAC NO : BE/OBJ NO:
IDHS CODE: EPF CAT : 35E

UR
NPIC NO : -
COMIREX NO:



25X1

1215
TOP SECRET CHESS RUFF



25X1
25X1

Page Denied

Next 4 Page(s) In Document Denied

Declassified in Part - Sanitized Copy Approved for Release 2014/03/07 : CIA-RDP80T00913A000200030001-4

TOP SECRET CHESS RUFF

25X1

25X1

DIA NBRG NDA07-5180-78 22 MAR 79

SEC CLASS: 056 MSN:

0001P

ACCN: 5086572

LIAOYANG MILITARY AREA 1
WAC NO : []

BE/OBJ NO: []

CH 4116 N 12310 E
NPIC NO : -

225X1

1221
TOP SECRET CHESS RUFF

25X1
25X1

Declassified in Part - Sanitized Copy Approved for Release 2014/03/07 : CIA-RDP80T00913A000200030001-4

TOP SECRET CHESS RUFF

25X1

IDHS CODE: [] EPF CAT : 35

COMIREX NO:

25X1

DIA NBRG NDA07-5181-78 22 MAR 79

SEC CLASS: 056 MSN: 0001P

ACCN: S086573

LIAOYANG ARMY BARRACKS AL2 + HQ ARTILLERY DIV

CH 411443N 1230827E

WAC NO : [] BE/OBJ NO: []
IDHS CODE: [] EPF CAT : 35A

NPIC NO : - 46-D
COMIREX NO: []

25X1
25X1

DIA NBRG NDA07-5182-78 22 MAR 79

SEC CLASS: 056 MSN: 0001P

ACCN: S086574

HAICHENG ARMY BARRACKS NNE AL7

CH 405148N 1224519E

WAC NO : [] BE/OBJ NO: []
IDHS CODE: [] EPF CAT : 35A

NPIC NO : -
COMIREX NO:

25X1

DIA NBRG NDA07-5186-78 22 MAR 79

SEC CLASS: 056 MSN: 0001P

ACCN: S086575

CHANGCHUN MILITARY AREA 3

CH 4353 N 12519 E

WAC NO : [] BE/OBJ NO: []
IDHS CODE: [] EPF CAT : 35

NPIC NO : -
COMIREX NO:

25X1

DIA NBRG NDA07-5187-78 22 MAR 79

SEC CLASS: 056 MSN: 0001P

ACCN: S086576

CHANGCHUN MILITARY BKS SE AL2/HQ ANTI-TK ARTY

CH 435145N 1252515E

WAC NO : [] BE/OBJ NO: []
IDHS CODE: [] EPF CAT : 35A

NPIC NO : - 28-K1
COMIREX NO: []

25X1
25X1

DIA NBRG NDA07-5188-78 22 MAR 79

SEC CLASS: 056 MSN: 0001P

ACCN: S086577

HSINGLUNGSHAN ARMY BARRACKS AL1

CH 435710N 1252840E

WAC NO : [] BE/OBJ NO: []
IDHS CODE: [] EPF CAT : 35A

NPIC NO : - 28-J7
COMIREX NO: []

25X1
25X1

DIA NBRG NDA07-5189-78 22 MAR 79

SEC CLASS: 056 MSN: 0001P

ACCN: S086578

CHIUTAI ARMY BARRACKS SE AL2

CH 440710N 1255700E

WAC NO : [] BE/OBJ NO: []
IDHS CODE: [] EPF CAT : 35A

NPIC NO : - 211-A2
COMIREX NO: []

25X1
25X1

DIA NBRG NDA07-5190-78 22 MAR 79

SEC CLASS: 056 MSN: 0001P

ACCN: S086579

SSUPING MILITARY AREA 1

CH 4310 N 12420 E

WAC NO : [] BE/OBJ NO: []
IDHS CODE: [] EPF CAT : 35

NPIC NO : -
COMIREX NO:

25X1

1222

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1
25X1

DIA NBRG NDA07-5183-78 22 MAR 79 SEC CLASS: 05G MSN: 0001P ACCN: S086580

SSUPING MILITARY BKS AL1/HQ ANTITANK ARTY DIV CH 431024N 1242105E
WAC NO : BE/OBJ NO: NPIC NO : - 57-C
IDHS CODE: EPF CAT : 35A COMIREX NO:

25X1
25X1

DIA NBRG NDA07-5184-78 22 MAR 79 SEC CLASS: 05G MSN: 0001P ACCN: S086581

TUNGLIAO ARMY BARRACKS SW AL7 CH 433520N 1221415E
WAC NO : BE/OBJ NO: NPIC NO : - 29-B6
IDHS CODE: EPF CAT : 35A COMIREX NO:

25X1
25X1

DIA NBRG NDA07-5185-78 22 MAR 79 SEC CLASS: 05G MSN: 0001P ACCN: S086582

PAICHENG ARMY BARRACKS NORTH AL5 CH 453910N 1225015E
WAC NO : BE/OBJ NO: NPIC NO : - 5-K1
IDHS CODE: EPF CAT : 35A COMIREX NO:

25X1
25X1

25X1

1223
TOP SECRET CHESS RUFF

25X1
25X1

Page Denied

Next 3 Page(s) In Document Denied

TOP SECRET CHESS RUFF

25X1
25X1

25X1

AF BIIR RFD22-5001-79 JAN 79 SEC CLASS: 08 MSN: 0012P ACCN: S086593

AIRCRAFT, FORGER B YAK-36

UR

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

25X1

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/FITIER C GUN POD

UR

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

1228
TOP SECRET CHESS RUFF

25X1
25X1



TOP SECRET CHESS RUFF



25X1
25X1

THIS DRAWING SUPERSEDES DRAWING 75A1002.*

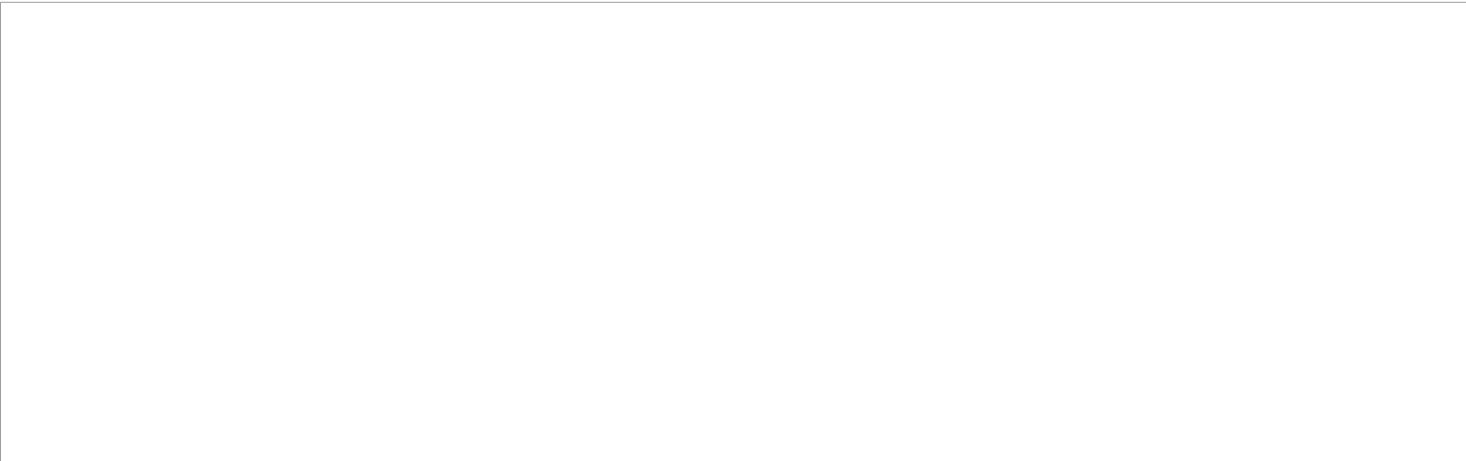
AF PAR 1-79 05 FEB 79 SEC CLASS: 07 MSN: 0003P ACCN: S086596

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



25X1

1229
TOP SECRET CHESS RUFF



25X1
25X1

Page Denied

Next 3 Page(s) In Document Denied

TOP SECRET CHESS RUFF

25X1

25X1

NPIC MEMO

18 JUN 79

SEC CLASS: 14B MSN:

0002P

ACCN: 5086617

25X1

ROSTOV RADIO RELAY STATION WSW

WAC NO :

BE/OBJ NO:

UR 570923N 0391655E

NPIC NO : - 124-A3

IDHS CODE:

EPF CAT : 25D

COMIREX NO:

25X1

ROSTOV RADIO RELAY STATION SW

WAC NO :

BE/OBJ NO:

UR 570940N 0391800E

NPIC NO : - 124-A

IDHS CODE:

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. IMAGERY USED WAS

25X1

1234

TOP SECRET CHESS RUFF

25X1

25X1

TOP SECRET CHESS RUFF

25X1

NPIC MEMO [] 19 JUN 79 [] SEC CLASS: 14B MSN: [] 0001P ACCN: S086618 25X1

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

25X1

NPIC MEMO [] 19 JUN 79 [] SEC CLASS: 14B MSN: [] 0002P ACCN: S086619 25X1

GORBATOV RADIO RELAY STATION UR 560620N 0430330E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 102
IDHS CODE: [] 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. IMAGERY USED WAS []

25X1

DIA REPT IAR001-79 MAR 79 [] SEC CLASS: 13 MSN: [] 0024P ACCN: S086620 25X1

GENERAL, CAMOUFLAGE NETTING SS-20 UR
WAC NO : [] BE/OBJ NO: [] NPIC NO : -
IDHS CODE: [] EPF CAT : 10I COMIREX NO: []
MISSILES, SS-20 CAMOUFLAGE NETS UR
WAC NO : [] BE/OBJ NO: [] NPIC NO : -
IDHS CODE: [] EPF CAT : 40B COMIREX NO: []

THREE STANDARD CAMOUFLAGE NETS ARE PRODUCED BY THE SOVIETS. WHEN THESE ARE USED TO COVER OR CONCEAL
CERTAIN COMPONENTS OF THE SS-20 MOBILE MISSILE SYSTEM, THEY MAY BE ARRANGED IN UNIQUE GEOMETRIC
CONFIGURATIONS. A KNOWLEDGE OF THESE CONFIGURATIONS COULD BE OF CONSIDERABLE VALUE TO IMAGERY ANALYSTS IN
IDENTIFYING MAJOR SS-20 RELATED VEHICLES, IN DETERMINING TYPES OF SS-20 VEHICLES PARKED IN SINGLE - AND
MULTI-BAY GARAGES AT MOBILE IRBM BASES, AND IN DETERMINING APPROXIMATE ARRIVAL DATES OF SS-20 EQUIPMENT AT
VARIOUS MOBILE IRBM INSTALLATIONS IN THE SOVIET UNION.

25X1

1235
TOP SECRET CHESS RUFF

25X1
25X1

Page Denied

TOP SECRET CHESS RUFF

25X1

25X1

NPIC MEMO 22 MAR 79 SEC CLASS: 14B MSN: 0002P ACCN: S086626 25X1

KHOMUTOVKA RADIO RELAY STATION	UR	515500N 0342741E	
WAC NO :	BE/OBJ NO :	NPIC NO :	- 132
IDHS CODE :	EPF CAT :	COMIREX NO :	
SEVSK RADIO RELAY + TV BROADCASTING STATION	UR	521310N 0343250E	
WAC NO :	BE/OBJ NO :	NPIC NO :	- 203
IDHS CODE :	EPF CAT :	COMIREX NO :	
SEVSK RADIO RELAY + TV BROADCASTING STATION	UR	521310N 0343250E	
WAC NO :	BE/OBJ NO :	NPIC NO :	- 203
IDHS CODE :	EPF CAT :	COMIREX NO :	
KHOMUTOVKA RADIO RELAY STATION	UR	514750N 0343842E	
WAC NO :	BE/OBJ NO :	NPIC NO :	- 132-A
IDHS CODE :	EPF CAT :	COMIREX NO :	
SHEREKINO RADIO RELAY STATION	UR	513628N 0350900E	
WAC NO :	BE/OBJ NO :	NPIC NO :	- 160
IDHS CODE :	EPF CAT :	COMIREX NO :	
CHERNITSINO RADIO RELAY STATION	UR	514240N 0355450E	
WAC NO :	BE/OBJ NO :	NPIC NO :	- 159
IDHS CODE :	EPF CAT :	COMIREX NO :	

THIS MEMO PROVIDES THE ANTENNA TYPES, ORIENTATIONS AND CURRENT STATUS OF KHOMUTOVKA RADIO RELAY STATION, SEVSK RADIO RELAY AND TV BROADCASTING STATION, KHOMUTOVKA RADIO RELAY STATION GOAL POST, SHEREKINO RADIO RELAY STATION GOAL POST, AND CHERNITSINO RADIO RELAY STATION GOAL POST. KEYHOLE MISSION OF THE KURSK AREA WAS REVIEWED.*

25X1

25X1

1237
TOP SECRET CHESS RUFF

25X1

25X1

[Redacted]

TOP SECRET CHESS RUFF [Redacted]

[Redacted]

25X1

[Large Redacted Block]

25X1

NPIC BRAD [Redacted] MAR 79 [Redacted] SEC CLASS: 14B MSN: 0002P ACCN: 5086631 25X1

SHIPS, YUZH A CLASS PGHB

UR

WAC NO :	BE/OBJ NO :	NPIC NO :
IDHS CODE :	EPF CAT : 75D	COMIREX NO :
FEODOSIYA SHIPYARD YUZH-A CLASS PGHB NEW	UR 450711N 0352953E	
WAC NO :	BE/OBJ NO :	NPIC NO :
IDHS CODE :	EPF CAT : 75E	COMIREX NO :

25X1
25X1

ON [Redacted] A NEW CLASS SOVIET NAVAL COMBATANT WAS IDENTIFIED. THE NEW HYDROFOIL PATROL COMBATANT WAS ON THE QUAY IN FRONT OF THE CONSTRUCTION HALL OF FEODOSIYA SHIPYARD YUZH-NAYA TOCHKA. THE NEW VESSEL HAS BEEN ASSIGNED THE NPIC INTERIM DESIGNATOR YUZH-A.*

25X1

[Large Redacted Block]

25X1

1238
TOP SECRET CHESS RUFF [Redacted]

[Redacted]

25X1
25X1

[Redacted]

TOP SECRET CHESS RUFF

[Redacted]

[Redacted]

25X1

[Large Redacted Block]

25X1

DIA IIM 561-71567-79 23 MAR 79 [Redacted] SEC CLASS: 13 MSN: [Redacted] 0004P ACCN: 5086637 25X1

LENINGRAD INSTRUMENT STATE PLANT LIZ UR 595613N 0302319E
WAC NO : [Redacted] BE/OBJ NO: [Redacted] NPIC NO : -
IDHS CODE: [Redacted] EPF CAT : 30D COMIREX NO:

25X1

[Large Redacted Block]

25X1

1239
TOP SECRET CHESS RUFF

[Redacted]

[Redacted]

25X1
25X1

TOP SECRET CHESS RUFF

25X1

25X1

DIA	IIM	5B3-71566-78	21 MAR 79	[REDACTED]	SEC CLASS: 13	MSN: [REDACTED]	0001P	ACCN: S086643	25X1
		BATAJNICA AIRFIELD AIRCRAFT BUNKERS			YO	445630N 0201500E			
		WAC NO :	[REDACTED]	BE/OBJ NO: [REDACTED]	NPIC NO :	- 148			25X1
		IDHS CODE:	[REDACTED]	EPF CAT : 05A	COMIREX NO:	[REDACTED]			25X1
DIA	IIM	5B1-71614-79	21 MAR 79	[REDACTED]	SEC CLASS: 14B	MSN: [REDACTED]	0002P	ACCN: S086644	25X1
		GDANSK MILITARY BARRACKS			PL	542230N 0184027E			
		WAC NO :	[REDACTED]	BE/OBJ NO: [REDACTED]	NPIC NO :	-			25X1
		IDHS CODE:	[REDACTED]	EPF CAT : 35A	COMIREX NO:	[REDACTED]			25X1
DIA	IIM	5B1-71445-79	21 MAR 79	[REDACTED]	SEC CLASS: 14B	MSN: [REDACTED]	0008P	ACCN: S086645	25X1
		ROVNO MILITARY SUPPLY DEPOT NORTH DQ1			UR	503749N 0261437E			
		WAC NO :	[REDACTED]	BE/OBJ NO: [REDACTED]	NPIC NO :	- 49-J			25X1
		IDHS CODE:	[REDACTED]	EPF CAT : 35F	COMIREX NO:	[REDACTED]			25X1
DIA	IIM	5B3-71576-79	22 MAR 79	[REDACTED]	SEC CLASS: 13	MSN: [REDACTED]	0001P	ACCN: S086646	25X1
		ROSTOV AIRCRAFT REPAIR BASE			UR	471546N 0394846E			
		WAC NO :	[REDACTED]	BE/OBJ NO: [REDACTED]	NPIC NO :	-			25X1
		IDHS CODE:	[REDACTED]	EPF CAT : 05F	COMIREX NO:	[REDACTED]			25X1
DIA	IIM	5B3-71575-79	22 MAR 79	[REDACTED]	SEC CLASS: 13	MSN: [REDACTED]	0001P	ACCN: S086647	25X1
		ZAGREB AIRFIELD AIRCRAFT BUNKERS			YO	454435N 0160413E			
		WAC NO :	[REDACTED]	BE/OBJ NO: [REDACTED]	NPIC NO :	-			25X1
		IDHS CODE:	[REDACTED]	EPF CAT : 05A	COMIREX NO:	[REDACTED]			25X1

1240

TOP SECRET CHESS RUFF

25X1
25X1

[Redacted]

TOP SECRET CHESS RUFF [Redacted]

[Redacted]

25X1

DIA IIM 5B3-71574-79 22 MAR 79 [Redacted] SEC CLASS: 13 MSN: [Redacted] 0001P

ACCN: S086648 25X1:5X1

OBRVA AIRFIELD AIRCRAFT BUNKERS

WAC NO : [Redacted]
IDHS CODE: [Redacted]

BE/OBJ NO: [Redacted]
EPF CAT : 05A

YO 434915N 0203509E
NPIC NO : - 217
COMIREX NO: [Redacted]

25X1
25X1

[Large Redacted Area]

25X1

DIA IIM 5B3-71677-79 26 MAR 79 [Redacted] SEC CLASS: 13 MSN: 0002P

ACCN: S086653 25X1

NUCLEAR, T-1 + T-2 RAIL CARS

WAC NO : [Redacted]
IDHS CODE: [Redacted]

BE/OBJ NO: [Redacted]
EPF CAT : 55

UR
NPIC NO : -
COMIREX NO:

DIA IIM 5B3-71666-79 27 MAR 79 [Redacted] SEC CLASS: 13 MSN: 0017P

ACCN: S086654 25X1

AIRFIELDS, AIRCRAFT BUNKER SUMMARY

YO

1241
TOP SECRET CHESS RUFF [Redacted]

[Redacted]

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC NO :	BE/OBJ NO:	NPIC NO :	-
IDHS CODE:	EPF CAT : 05A	COMIREX NO:	
AIRFIELDS, AIRCRAFT BUNKER SUMMARY		RO	
WAC NO :	BE/OBJ NO:	NPIC NO :	-
IDHS CODE:	EPF CAT : 05A	COMIREX NO:	
AIRFIELDS, AIRCRAFT BUNKER SUMMARY		AL	
WAC NO :	BE/OBJ NO:	NPIC NO :	-
IDHS CODE:	EPF CAT : 05A	COMIREX NO:	
AIRFIELDS, AIRCRAFT BUNKER SUMMARY		BU	
WAC NO :	BE/OBJ NO:	NPIC NO :	-
IDHS CODE:	EPF CAT : 05A	COMIREX NO:	
AIRFIELDS, AIRCRAFT BUNKER SUMMARY		HU	
WAC NO :	BE/OBJ NO:	NPIC NO :	-
IDHS CODE:	EPF CAT : 05A	COMIREX NO:	
AIRFIELDS, AIRCRAFT BUNKER SUMMARY		CZ	
WAC NO :	BE/OBJ NO:	NPIC NO :	-
IDHS CODE:	EPF CAT : 05A	COMIREX NO:	

25X1

AIRFIELDS, AIRCRAFT BUNKER SUMMARY		PL	
WAC NO :	BE/OBJ NO:	NPIC NO :	-
IDHS CODE:	EPF CAT : 05A	COMIREX NO:	
AIRFIELDS, AIRCRAFT BUNKER SUMMARY		UR	
WAC NO :	BE/OBJ NO:	NPIC NO :	-
IDHS CODE:	EPF CAT : 05A	COMIREX NO:	
AIRFIELDS, AIRCRAFT BUNKER SUMMARY		MG	
WAC NO :	BE/OBJ NO:	NPIC NO :	-
IDHS CODE:	EPF CAT : 05A	COMIREX NO:	

THIS MEMORANDUM SUMMARIZES THE 1979 IMAGERY ANALYSIS MEMORANDA THAT MAKE UP THE AIRCRAFT BUNKER STUDY. IT INCLUDES SEVERAL TABLES WHICH TOTAL THE NUMBER OF AIRCRAFT BUNKERS BY COUNTRY, MILITARY DISTRICT, SIZE, AND CONSTRUCTION STATUS.*

25X1

1242
TOP SECRET CHESS RUFF

25X1
25X1

[Redacted]

TOP SECRET CHESS RUFF [Redacted]

[Redacted]

25X1

[Redacted]

25X1

DIA IIM 5b1-71612-79 27 MAR 79 [Redacted] SEC CLASS: 14B MSN: [Redacted] 0005P ACCN: S086657 25X1

SLAVUTA AMMUNITION DEPOT WEST DA1 UR 501827N 0264902E
WAC NO : [Redacted] BE/OBJ NO: [Redacted] NPIC NO : - 54-A 25X1
IDHS CODE: [Redacted] EPF CAT : 35F COMIREX NO: [Redacted] 25X1

NPIC MEMO [Redacted] 26 MAR 79 [Redacted] SEC CLASS: 14D MSN: 0002P ACCN: S086658 25X1

ALDAN RADIO RELAY STATION UR 583110N 1253040E
WAC NO : [Redacted] BE/OBJ NO: [Redacted] NPIC NO : - 1-B 25X1
IDHS CODE: [Redacted] EPF CAT : 25D COMIREX NO: [Redacted] 25X1

ALL PERTINENT KEYHOLE PHOTOGRAPHY SINCE 1978 WAS REVIEWED TO PROVIDE THE NUMBER, TYPE, AND ORIENTATION OF RADIO-RELAY ANTENNAS AT ALDEN RADREL STATION AND TO PROVIDE THE CURRENT STATUS OF THE FACILITY. IN ADDITION, A SEARCH OF [Redacted] TO IDENTIFY NEW RADIO-RELAY STATIONS ALONG A 25 NAUTICAL MILE PORTION OF THE BAM RAIL LINE SOUTH OF ALDEN PRODUCED NEGATIVE RESULTS.* 25X1

[Redacted]

25X1

1243
TOP SECRET CHESS RUFF [Redacted]

[Redacted]

25X1
25X1

Page Denied

Next 1 Page(s) In Document Denied

TOP SECRET CHESS RUFF

25X1

25X1

NPIC MODL

MAR 79

SEC CLASS: 14D MSN:

0002P

ACCN: S086665

25X1

SARY SHAGAN MTC R+D COMPLEX FACILITY A

UR 455045N 0733104E

WAC NO :

BE/OBJ NO:

NPIC NO :

34-D4

IDHS CODE:

EPF CAT : 40E

COMIREX NO:

25X1
25X1

THIS MODEL DEPICTS FACILITY A OF THE SARY-SHAGAN RESEARCH AND DEVELOPMENT (R+D) COMPLEX. THE SOUTH BUILDING AND THE DOMED COVER OVER THE COELOSTAT POINTER-TRACKER; THE NORTH BUILDING WITH ITS SHORT RADIATING CONDUITS AT THE NORTHERN END; AND A 1-KILOMETER-LONG CONDUIT WHICH CONNECTS THE SOUTH AND NORTH

1246

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

BUILDINGS ARE ILLUSTRATED. THE MODEL ALSO DEPICTS THE RIGHT-ANGLE POSITIONING OF THE BURIED CONCRETE BOXES AT THE NORTHERN AND NORTHWESTERN ENDS OF THE NORTH BUILDING, THE COOLING FACILITIES NEAR THE SOUTH BUILDING, AND BURIED CABLELINES.

25X1

1247

TOP SECRET CHESS RUFF

25X1
25X1

Page Denied

Next 1 Page(s) In Document Denied

TOP SECRET CHESS RUFF

25X1

[REDACTED]										25X1
DIA	IIM	5B1-71675-79	28 MAR 79	[REDACTED]	SEC CLASS: 14B	MSN: [REDACTED]	0002P	ACCN: S086675	25X1	
		TARNOWSKIE GORY STORAGE FACILITY U/C			PL	502740N 0185312E			25X1	
		WAC NO :		BE/OBJ NO:		NPIC NO :	-			
		IDHS CODE:	[REDACTED]	EPF CAT :	80	COMIREX NO:				
DIA	IIM	5B3-71519-79	28 MAR 79	[REDACTED]	SEC CLASS: 14B	MSN: [REDACTED]	0003P	ACCN: S086676	25X1	
		SOLIKAMSK POWDER + SOLID MOTOR PLANT BOROVSOK			UR	594020N 0564252E			25X1	
		WAC NO :	[REDACTED]	BE/OBJ NO:	[REDACTED]	NPIC NO :	- 63-B		25X1	
		IDHS CODE:	[REDACTED]	EPF CAT :	40E	COMIREX NO:	[REDACTED]		25X1	
DIA	IIM	5B3-71670-79	28 MAR 79	[REDACTED]	SEC CLASS: 14B	MSN: [REDACTED]	0003P	ACCN: S086677	25X1	
		STERLITAMAK EXPLOSIVES/SOLID MTR PROD PLT 850			UR	534200N 0555807E			25X1	
		WAC NO :	[REDACTED]	BE/OBJ NO:	[REDACTED]	NPIC NO :	- 27-F		25X1	
		IDHS CODE:	[REDACTED]	EPF CAT :	40E	COMIREX NO:	[REDACTED]		25X1	
		STERLITAMAK EXPLOSIVES/SOLID MTR PROD PLT 850			UR	534200N 0555807E			25X1	
		WAC NO :	[REDACTED]	BE/OBJ NO:	[REDACTED]	NPIC NO :	- 27-F		25X1	
		IDHS CODE:	[REDACTED]	EPF CAT :	35G	COMIREX NO:	[REDACTED]		25X1	
DIA	IIM	5B3-71563-79	28 MAR 79	[REDACTED]	SEC CLASS: 13	MSN: [REDACTED]	0001P	ACCN: S086678	25X1	
		KAMENSK SHAKHTINSKIY SOLID MOTOR PROD PLANT			UR	481750N 0401049E			25X1	
		WAC NO :	[REDACTED]	BE/OBJ NO:	[REDACTED]	NPIC NO :	- 13-A1		25X1	
		IDHS CODE:	[REDACTED]	EPF CAT :	40E	COMIREX NO:	[REDACTED]		25X1	

1250

TOP SECRET CHESS RUFF

25X1
25X1

[Redacted]

TOP SECRET CHESS RUFF

[Redacted]

[Redacted]

25X1

KRASNOYARSK EXPLOSIVES + SOLID MOTOR PROD PLT
WAC NO : [Redacted] BE/OBJ NO: [Redacted]
IDHS CODE: [Redacted] EPF CAT : 35G

UR 560236N 0930237E
NPIC NO : - 7-P
COMIREX NO: [Redacted]

25X1
25X1

DIA IIM 563-71465-79 26 MAR 79

[Redacted]

SEC CLASS: 13

MSN:

[Redacted]

0011P

ACCN: 5086682

25X1

[Large Redacted Area]

25X1

25X1

25X1
25X1
25X1

1251

TOP SECRET CHESS RUFF

[Redacted]

[Redacted]

25X1
25X1

TOP SECRET CHESS RUFF

25X1

25X1

DIA IIM 5B3-71792-79 04 APR 79 [] SEC CLASS: 13 MSN: 0001P ACCN: 5086687 25X1

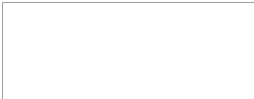
GORODOK AIRFIELD NE LRA AIRCRAFT SUPPORT CPBL UR 494935N 0234130E 25X1
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 341-A
IDHS CODE: [] EPF CAT : 05A COMIREX NO:

25X1

1252
TOP SECRET CHESS RUFF

25X1
25X1

Page Denied



TOP SECRET CHESS RUFF



25X1
25X1



25X1

NPIC BRAD MAR 79 SEC CLASS: 14E MSN: 0003P ACCN: S086696 25X1

ULAAN UUL MILITARY TRNG AREA JOINT TRNG EXER MG 443051N 1111151E
WAC NO : BE/OBJ NO: NPIC NO : - 31-B 25X1
IDHS CODE: EPF CAT : 35B COMIREX NO:

A POSSIBLE SOVIET/MONGOLIAN JOINT TRAINING EXERCISE WAS OBSERVED IN THE ULAAN-UUL TRAINING AREA, MONGOLIA. MAJOR ELEMENTS OF A POSSIBLE SOVIET MOTORIZED RIFLE REGIMENT WITH POSSIBLE DIVISION-LEVEL ARTILLERY AND SIGNAL UNITS, AND MAJOR ELEMENTS OF A PROBABLE MONGOLIAN ANTI-AIRCRAFT ARTILLERY REGIMENT ARE DISPERSED IN THE VICINITY OF ULAAN-UUL.*

25X1



25X1

1254
TOP SECRET CHESS RUFF



25X1
25X1

Page Denied

TOP SECRET CHESS RUFF

25X1

25X1

CIA IRP IS10006K-79 MAR 79 SEC CLASS: 13 MSN: 0014P ACCN: S086703 25X1

URENGOY GAS FIELD 4	BE/OBJ NO: []	UR 660307N 0765138E	25X1
WAC NO : []	EPF CAT : 30A	NPIC NO : - 28	25X1
IDHS CODE: []		COMIREX NO: []	
URENGOY GAS FIELD 3	BE/OBJ NO: []	UR 660521N 0764033E	25X1
WAC NO : []	EPF CAT : 30A	NPIC NO : - 27	25X1
IDHS CODE: []		COMIREX NO: []	
URENGOY GAS FIELD 2	BE/OBJ NO: []	UR 662859N 0764052E	25X1
WAC NO : []	EPF CAT : 30A	NPIC NO : - 26	25X1
IDHS CODE: []		COMIREX NO: []	
URENGOY GAS FIELD 1	BE/OBJ NO: []	UR 660300N 0764735E	25X1
WAC NO : []	EPF CAT : 30A	NPIC NO : - 25	25X1
IDHS CODE: []		COMIREX NO: []	

THE URENGOY GASFIELD IN NORTHWESTERN SIBERIA, POSSIBLY THE LARGEST GASFIELD IN THE WORLD, IS BEING DEVELOPED RAPIDLY AND IS IN LIMITED PRODUCTION. GAS WAS FIRST DISCOVERED AT URENGOY IN 1966 AND DEVELOPMENT OF THE FIELD BEGAN IN THE EARLY 1970S. THE URENGOY FIELD WILL PROVIDE MOST OF THE GROWTH IN SOVIET NATURAL GAS PRODUCTION IN THE 1980S AND WILL CONTRIBUTE SIGNIFICANTLY TO THE USSR'S ABILITY TO INCREASE ENERGY SUPPLIES.

25X1

1256
TOP SECRET CHESS RUFF

25X1
25X1

[Redacted]

TOP SECRET CHESS RUFF

[Redacted]

[Redacted]

25X1

[Redacted]

25X1

NPIC SR SR013-79 MAR 79 [Redacted] SEC CLASS: 14D MSN: 0004P ACCN: S08670G 25X1

SHIPS, 190A CRUISER/190B FRIGATE COMPARISONS UR
WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 75D COMIREX NO:

NPIC HAS DESIGNATED TWO SHIPS AT LENINGRAD SHIPYARD ZHDANOV 190, USSR, AS THE 190A AND THE 190B. QUESTIONS HAVE BEEN RAISED AS TO WHETHER THESE REPRESENT TWO DIFFERENT CONSTRUCTION PROGRAMS OR ARE IN FACT THE SAME CLASS OF SHIP SEEN AT DIFFERENT STAGES OF CONSTRUCTION. ANALYSIS OF THE TWO VESSELS USING IMAGERY ENHANCEMENT TECHNIQUES INDICATES THE STRONG PROBABILITY THAT THE 190A AND 190B ARE PART OF TWO DIFFERENT CONSTRUCTION PROGRAMS.

[Redacted]

25X1

1257
TOP SECRET CHESS RUFF

[Redacted]

[Redacted]

25X1
25X1

Page Denied

Next 2 Page(s) In Document Denied

[Redacted]

TOP SECRET CHESS RUFF

[Redacted]

[Redacted]

25X1

[Large Redacted Block]

25X1

DIA IIM 5B1-71080-79 17 JAN 79

[Redacted]

SEC CLASS: 14

[Redacted]

0003P

ACCN: S086718

25X1

VALGA AVTOKOLONNA 1004

WAC NO :

IUHS CODE:

[Redacted]

BE/OBJ NO:

EPF CAT : 85A

[Redacted]

UR 574725N 0255908E

NPIC NO : -

COMIREX NO:

25X1:1

[Large Redacted Block]

25X1

1261

TOP SECRET CHESS RUFF

[Redacted]

[Redacted]

25X1
25X1

TOP SECRET CHESS RUFF

25X1
25X1

25X1

NPIC MEMO [] 03 APR 79 [] SEC CLASS: 14B MSN: [] 0002P ACCN: S086725 25X1

SAVELYEVO RADIO RELAY STATION

UR 560803N 0370420E

WAC NO : []
IDHS CODE: []

BE/OBJ NO: []
EPF CAT : 25D

NPIC NO : - 97-J1
COMIREX NO: []

25X1
25X1

THE PRESENCE OF ADEH-5 ANTENNAS HAS BEEN CONFIRMED AT THE SAVELYEVO RADIO RELAY STATION USING KEYHOLE
IMAGERY FROM [], ALSO PROVIDED ARE THE NUMBER, TYPES, AND ORIENTATION OF ALL OTHER
ANTENNAS AT THE FACILITY.* 25X1

NPIC MEMO [] 03 APR 79 [] SEC CLASS: 14B MSN: [] 0002P ACCN: S086726 25X1

KRASNY BOR RADIO RELAY STATION NEW

UR 594025N 0304210E

WAC NO : []
IDHS CODE: []

BE/OBJ NO: []
EPF CAT : 25D

NPIC NO : - 83-A2
COMIREX NO: []

25X1.1

LYUBAN RADIO RELAY STATION NORTH NEW

UR 592150N 0311450E

WAC NO : []
IDHS CODE: []

BE/OBJ NO: []
EPF CAT : 25D

NPIC NO : - 103-A1
COMIREX NO: []

25X1

KIRISHI RADIO RELAY STATION

UR 592630N 0320040E

WAC NO : []
IDHS CODE: []

BE/OBJ NO: []
EPF CAT : 25D

NPIC NO : - 138-B
COMIREX NO: []

25X1

KLINETS RADIO RELAY STATION NEW

UR 592900N 0325400E

WAC NO : []

BE/OBJ NO: []

NPIC NO : - 230

25X1

1262

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

IDHS CODE: []	EPF CAT : 25D	COMIREX NO:	25X1
CHAGODA RADIO RELAY STATION NEW		UR 591054N 0352005E	
WAC NO : []	BE/OBJ NO: []	NPIC NO : - 119-A	25X1
IDHS CODE: []	EPF CAT : 25D	COMIREX NO:	
ANISIMOVO RADIO RELAY STATION NEW		UR 591000N 0350930E	25X1
WAC NO : []	BE/OBJ NO: []	NPIC NO : - 183	25X1
IDHS CODE: []	EPF CAT : 25D	COMIREX NO: []	25X1

THIS MEMO REVIEWS ALL PERTINENT KEYHOLE PHOTOGRAPHY TO IDENTIFY NEW RADIO-RELAY STATIONS BETWEEN SAMOYLOVO AND CHEREPOVETS, USSR. TWO STATIONS, ANISIMOVO AND CHAGODA RADIO-RELAY STATIONS WERE IDENTIFIED. THIS MEMO PROVIDES THE NUMBER, TYPE, AND ORIENTATION OF THE ANTENNAS OBSERVED AT THE STATIONS. ALSO, FOUR NEW RADIO-RELAY STATIONS THAT EXTEND THE RADIO-RELAY LINE FROM SAMOYLOVO TO KRASNYY BOR (LENINGRAD) WERE IDENTIFIED. THE NEW STATIONS WERE IN THE STAGES OF CONSTRUCTION AND NO ANTENNAS WERE OBSERVED.*

NPIC MEMO [] 04 APR 79 [] SEC CLASS: 14D MSN: 0002P ACCN: S086727 25X1

VLADIVOSTOK RADIO/TV BROADCAST STUDIO CENTER	UR 430657N 1315340E		25X1
WAC NO : []	BE/OBJ NO: []	NPIC NO : - 48-F2	
IDHS CODE: []	EPF CAT : 25B	COMIREX NO:	
VLADIVOSTOK RADIO/TV BROADCAST STUDIO CENTER	UR 430657N 1315340E		25X1
WAC NO : []	BE/OBJ NO: []	NPIC NO : - 48-F2	
IDHS CODE: []	EPF CAT : 25D	COMIREX NO:	
VLADIVOSTOK TV TRANSMITTER STATION 1	UR 430704N 1315501E		25X1
WAC NO : []	BE/OBJ NO: []	NPIC NO : - 48-F1	
IDHS CODE: []	EPF CAT : 25B	COMIREX NO:	

THIS MEMO PROVIDES A BRIEF DESCRIPTION OF VLADIVOSTOK TELEVISION TRANSMITTER STATION 1 AND VLADIVOSTOK RADIO AND TELEVISION BROADCAST STUDIO CENTER. IT ALSO GIVES THE NUMBER, TYPE, AND ORIENTATIONS OF ANTENNAS OBSERVED AT THESE STATIONS.*

25X1

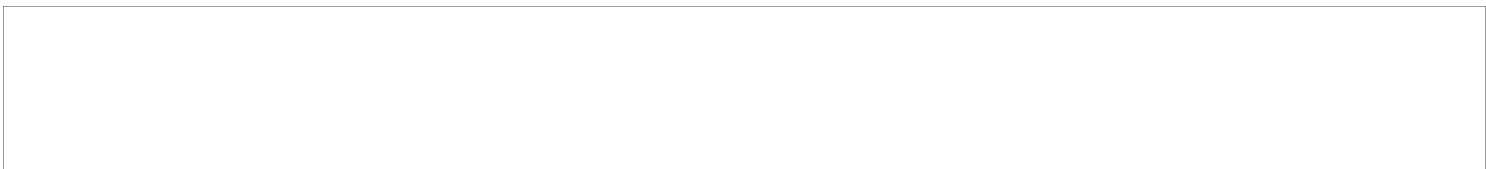
1263
TOP SECRET CHESS RUFF

25X1
25X1

Declassified in Part - Sanitized Copy Approved for Release 2014/03/07 : CIA-RDP80T00913A000200030001-4

[] TOP SECRET CHESS RUFF [] []

25X1



25X1

AF ENDR D6507-79 30 JAN 79 [] SEC CLASS: 13 MSN: 0001P ACCN: S086731 25X1

SVERDLOVSK OPTICAL EQUIPMENT PLANT 217

UR 564900N 0603900E

WAC NO : [] BE/OBJ NO: []

NPIC NO : - 26-K2

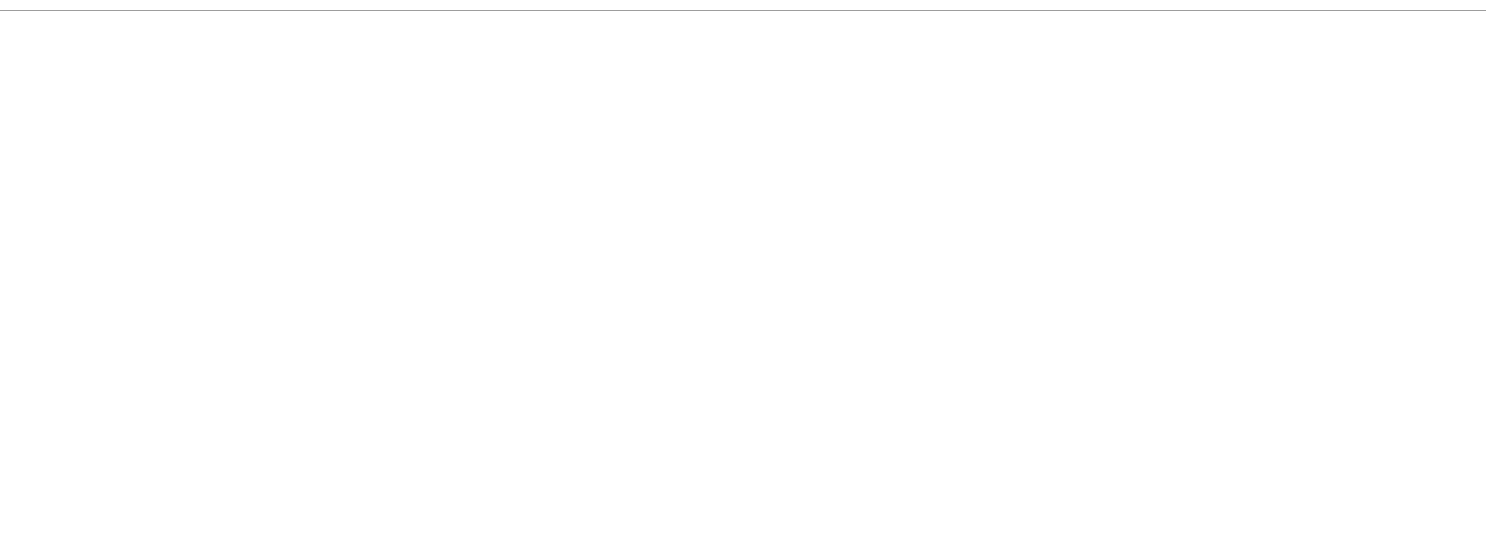
IDHS CODE: [] EPF CAT : 30D

COMIREX NO: []

25X1

25X1

THIS DRAWING SUPPLEMENTS PAR 79-517.*



25X1

1264
TOP SECRET CHESS RUFF [] []

25X1

25X1

Declassified in Part - Sanitized Copy Approved for Release 2014/03/07 : CIA-RDP80T00913A000200030001-4

TOP SECRET CHESS RUFF

25X1

25X1

AF ENDR B3507-2-72 JAN 79 [] SEC CLASS: 13 MSN: 0001P

ACCN: S086736 25X1

PEICHING GUIDED MISSILE DPC TEST STAND 3 CH 394849N 1160805E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 50-J1
IDHS CODE: [] EPF CAT : 40E COMIREX NO: []

25X1
25X1

THIS DRAWING SUPPLEMENTS PAR 78-743.*

AF ENDR C6512-79 15 FEB 79 [] SEC CLASS: 13 MSN: [] 0001P

ACCN: S086737 25X1

MISSILES, ICBM TYPE 3E SILO TRENCH PATTERN UR
WAC NO : [] BE/OBJ NO: [] NPIC NO : -
IDHS CODE: [] EPF CAT : 40A COMIREX NO:

AF ENDR D6540-1-78 15 FEB 79 [] SEC CLASS: 13 MSN: 0001P

ACCN: S086738 25X1

YOSHKAR OLA SSM COMPLEX UR 564740N 0483058E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 15-D
IDHS CODE: [] EPF CAT : 40 COMIREX NO: []

25X1
25X1

AF ENDR D6514-3-72 JAN 79 [] SEC CLASS: 13 MSN: 0001P

ACCN: S086739 25X1

PEICHING GUIDED MISSILE DPC MISSILE SYS R+D CH 394849N 1160805E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 50-J1
IDHS CODE: [] EPF CAT : 40E COMIREX NO: []

25X1
25X1

THIS DRAWING SUPPLEMENTS PAR 78-744.*

AF ENDR D6513-5-73 26 JAN 79 [] SEC CLASS: 13 MSN: [] 0001P

ACCN: S086740 25X1

AIRCRAFT, WIND TUNNELS CH
WAC NO : [] BE/OBJ NO: [] NPIC NO : -
IDHS CODE: [] EPF CAT : 05G COMIREX NO:

THIS DRAWING SUPPLEMENTS PARS 73-570, 78-744, AND 77-512.*

25X1

25X1

25X1

1265
TOP SECRET CHESS RUFF

[Redacted]

TOP SECRET CHESS RUFF

[Redacted]

[Redacted]

25X1

[Redacted]

25X1

AF ENDR B3505-2-72 JAN 79 [Redacted] SEC CLASS: 13 MSN: 0001P

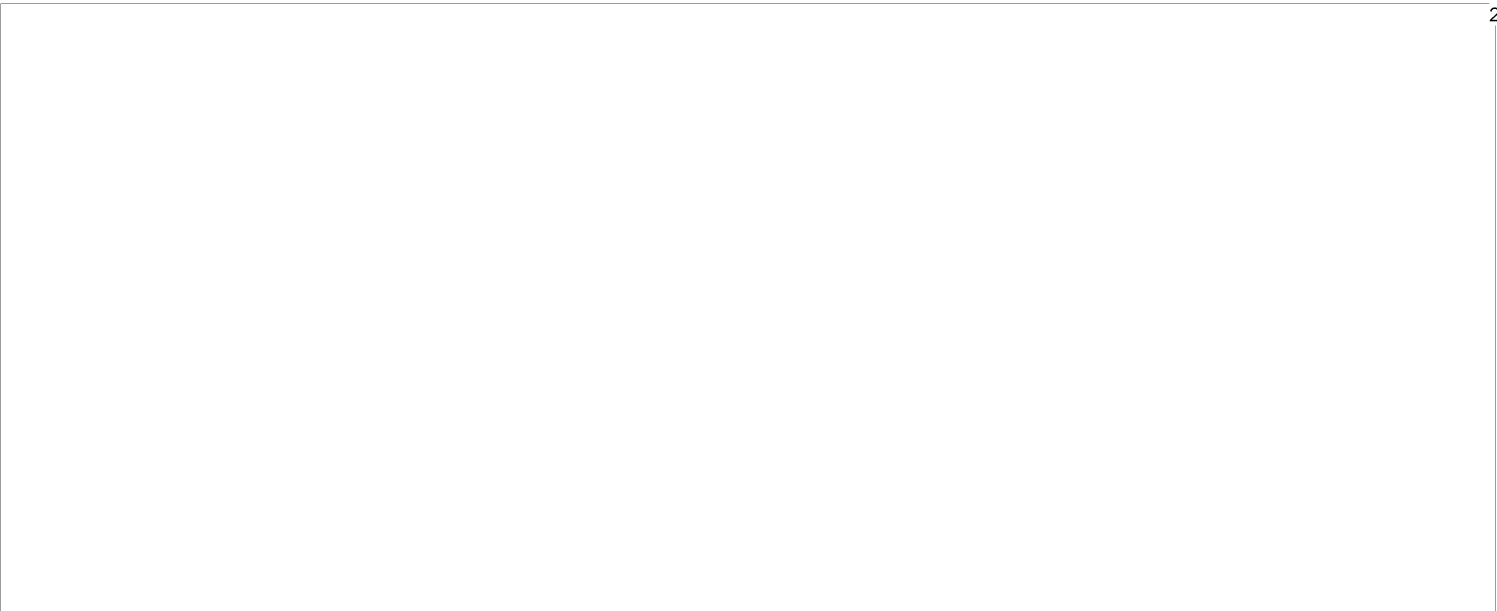
ACCN: 5086742

25X1

PEICHING GUIDED MISSILE DPC TEST STAND 1 CH 394849N 1160805E
WAC NO : BE/OBJ NO: [Redacted] NPIC NO : - 50-J1
IDHS CODE: [Redacted] EPF CAT : 40E COMIREX NO: [Redacted]

25X1
25X1

THIS DRAWING SUPPLEMENTS PAR 78-743.*



25X1

AF ENDR D6550-1-73 18 DEC 78 [Redacted] SEC CLASS: 13 MSN: 0001P

ACCN: 5086747

25X1

1266
TOP SECRET CHESS RUFF

[Redacted]

[Redacted]

25X1
25X1

TOP SECRET CHESS RUFF

25X1

25X1

ANHSIEN AEROSPACE R+D FACILITY

WAC NO :

BE/OBJ NO:

CH 314221N 1042832E

NPIC NO : - 116

IDHS CODE:

EPF CAT : 40H

COMIREX NO:

25X1

25X1

THIS DRAWING SUPPLEMENTS PARS 73-681, 78-736, AND 79-521.*

AF ENDR C4526-1-73 14 DEC 78 SEC CLASS: 13 MSN: 0001P

ACCN: S086748 25X1

ANHSIEN AEROSPACE R+D FACILITY TEST BUILDINGS

WAC NO :

BE/OBJ NO:

CH 314221N 1042832E

NPIC NO : - 116

IDHS CODE:

EPF CAT : 40H

COMIREX NO:

25X1

25X1

THIS DRAWING SUPPLEMENTS PARS 73-681 AND 78-736.*

AF ENDR D6601-78 11 DEC 78 SEC CLASS: 13 MSN: 0001P

ACCN: S086749 25X1

ANHSIEN AEROSPACE R+D FACILITY

WAC NO :

BE/OBJ NO:

CH 314221N 1042832E

NPIC NO : - 116

IDHS CODE:

EPF CAT : 40H

COMIREX NO:

25X1

25X1

THIS DRAWING SUPPLEMENTS PAR 78-736.*

AF ENDR C4526-78 11 DEC 78 SEC CLASS: 13 MSN: 0001P

ACCN: S086750 25X1

ANHSIEN AEROSPACE R+D FACILITY HORIZONTAL TK

WAC NO :

BE/OBJ NO:

CH 314221N 1042832E

NPIC NO : - 116

IDHS CODE:

EPF CAT : 40H

COMIREX NO:

25X1

25X1

THIS DRAWING SUPPLEMENTS PAR 78-736.*

AF ENDR C3512-78 14 DEC 78 SEC CLASS: 13 MSN: 0001P

ACCN: S086751 25X1

ANHSIEN AEROSPACE R+D FACILITY

WAC NO :

BE/OBJ NO:

CH 314221N 1042832E

NPIC NO : - 116

IDHS CODE:

EPF CAT : 40H

COMIREX NO:

25X1

25X1

THIS DRAWING SUPPLEMENTS PAR 78-736.*

AF ENDR C4526-1-76 05 JAN 79 SEC CLASS: 13 MSN: 0001P

ACCN: S086752 25X1

CHIENSHUI SSM COMPLEX

WAC NO :

BE/OBJ NO:

CH 233805N 1025030E

NPIC NO : - 517-A5

25X1

25X1

1267
TOP SECRET CHESS RUFF

25X1

25X1

TOP SECRET CHESS RUFF

25X1

IDHS CODE: [] EPF CAT : 40 COMIREX NO: []

25X1

THIS DRAWING SUPPLEMENTS PARS 76-652 AND 78-719.*

AF ENDR C3511-78 14 DEC 78 [] SEC CLASS: 13 MSN: 0001P ACCN: S086753 25X1

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

25X1
25X1

THIS DRAWING SUPPLEMENTS PAR 78-736.*

AF ENDR E1515-78 15 DEC 78 [] SEC CLASS: 13 MSN: 0001P ACCN: S086754 25X1

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

THIS DRAWING SUPPLEMENTS PARS 78-721, 78-623, AND 77-610.*

AF ENDR E1514-78 15 DEC 78 [] SEC CLASS: 13 MSN: 0001P ACCN: S086755 25X1

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

THIS DRAWING SUPPLEMENTS PARS 78-721 AND 78-623.*

AF ENDR C6507-6-69 10 JAN 79 [] SEC CLASS: 13 MSN: 0001P ACCN: S086756 25X1

PLESETSK MTC ICBM SITE 19 AZIMUTH MARKERS UR 625552N 0413623E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 27-R3
IDHS CODE: [] EPF CAT : 40A COMIREX NO: []

25X1
25X1

THIS DRAWING SUPPLEMENTS PARS 77-661, 79-504, 74-665, 76-686, AND 72-632.*

AF ENDR C6510-6-69 09 JAN 79 [] SEC CLASS: 13 MSN: 0001P ACCN: S086757 25X1

PLESETSK MTC ICBM SITE 23 AZIMUTH MARKERS UR 630040N 0413246E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 27-R7
IDHS CODE: [] EPF CAT : 40A COMIREX NO: []
PLESETSK MTC ICBM SITE 24 AZIMUTH MARKERS UR 630042N 0413312E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 27-R8

25X1
25X1

25X1

1268

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

IDHS CODE: [] EPF CAT : 40A COMIREX NO: []

25X1

THIS DRAWING SUPPLEMENTS PARS 79-504, 74-665, 72-632, 76-686, AND 77-661.*

AF ENDR C6509-6-69 09 JAN 79 [] SEC CLASS: 13 MSN: 0001P

ACCN: S08675825X1

PLESETSK MTC ICBM SITE 22 AZIMUTH MARKERS UR 625313N 0414530E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 27-R6
IDHS CODE: [] EPF CAT : 40A COMIREX NO: []

25X1
25X1

THIS DRAWING SUPPLEMENTS PARS 77-661, 79-504, 74-665, 72-632, AND 76-686.*

AF ENDR C6508-6-69 09 JAN 79 [] SEC CLASS: 13 MSN: 0001P

ACCN: S08675925X1

PLESETSK MTC ICBM SITE 20 AZIMUTH MARKERS UR 625456N 0414118E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 27-R4
IDHS CODE: [] EPF CAT : 40A COMIREX NO: []

25X1
25X1

THIS DRAWING SUPPLEMENTS PARS 77-661, 79-504, 74-665, 72-632 AND 76-686.*

AF ENDR C6506-6-69 10 JAN 79 [] SEC CLASS: 13 MSN: 0001P

ACCN: S08676025X1

PLESETSK MTC ICBM SITE 18 AZIMUTH MARKERS UR 625753N 0413918E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 27-R2
IDHS CODE: [] EPF CAT : 40A COMIREX NO: []

25X1
25X1

THIS DRAWING SUPPLEMENTS PARS 77-661, 79-504, 74-665, 72-632, AND 76-686.*

AF ENDR C6503-5-69 10 JAN 79 [] SEC CLASS: 13 MSN: 0001P

ACCN: S08676125X1

PLESETSK MTC ICBM SITE 11 AZIMUTH MARKERS UR 625732N 0412650E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 27-K6
IDHS CODE: [] EPF CAT : 40A COMIREX NO: []

25X1
25X1

THIS DRAWING SUPPLEMENTS PARS 74-665, 76-686, 77-661, AND 79-504.*

AF ENDR C6504-5-69 10 JAN 79 [] SEC CLASS: 13 MSN: 0001P

ACCN: S08676225X1

PLESETSK MTC ICBM SITE 14 AZIMUTH MARKERS UR 625816N 0413342E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 27-K8
IDHS CODE: [] EPF CAT : 40A COMIREX NO: []

25X1
25X1

THIS DRAWING SUPPLEMENTS PARS 79-504, 74-665, 76-686, AND 77-661.*

TOP SECRET CHESS RUFF

25X1

25X1

TOP SECRET CHESS RUFF

25X1

AF ENDR C6505-6-69 10 JAN 79 [] SEC CLASS: 13 MSN: 0001P ACCN: S086763 25X1
 PLESETSK MTC ICBM SITE 17 AZIMUTH MARKERS UR 625448N 0412407E
 WAC NO : [] BE/OBJ NO: [] NPIC NO : - 27-R1 25X1
 IDHS CODE: [] EPF CAT : 40A COMIREX NO: [] 25X1
 THIS DRAWING SUPPLEMENTS PARS 77-661, 79-504, 74-665, 72-632, AND 76-686.*

AF ENDR C4505-3-73 JAN 79 [] SEC CLASS: 13 MSN: 0001P ACCN: S086764 25X1
 PINGPA AIRCRAFT PRPLN R+D CTR ENG TEST BLDG CH 262215N 1061602E
 WAC NO : [] BE/OBJ NO: [] NPIC NO : - 10-N 25X1
 IDHS CODE: [] EPF CAT : 056 COMIREX NO: [] 25X1
 THIS DRAWING SUPPLEMENTS PARS 72-791, 72-788, 74-556, 75-518, AND 79-505.*

AF ENDR D6508-79 25 JAN 79 [] SEC CLASS: 13 MSN: 0001P ACCN: S086765 25X1
 ELECTRONICS, ANTENNA BURIED TYPE D UR
 WAC NO : [] BE/OBJ NO: [] NPIC NO : -
 IDHS CODE: [] EPF CAT : 25 COMIREX NO: []
 THIS DRAWING SUPPLEMENTS AF BIIR RFB-22/0005/79.*

AF ENDR D6509-79 31 JAN 79 [] SEC CLASS: 13 MSN: 0001P ACCN: S086766 25X1
 ELECTRONICS, ANTENNA BURIED TYPE D TRENCHES UR
 WAC NO : [] BE/OBJ NO: [] NPIC NO : -
 IDHS CODE: [] EPF CAT : 25 COMIREX NO: []
 THIS DRAWING SUPPLEMENTS AF BIIR RFB-22/0005/79.*

[] 25X1
 AF ENDR D6545-3-72 JAN 79 [] SEC CLASS: 13 MSN: 0001P ACCN: S086768 25X1
 PINGPA AIRCRAFT PRPLN R+D CTR IND AREA POSS CH 262215N 1061602E

1270
TOP SECRET CHESS RUFF

25X1
25X1



TOP SECRET CHESS RUFF



25X1

WAC NO :
IDHS CODE:

BE/OBJ NO:
EPF CAT : 05G

NPIC NO : - 10-N
COMIREX NO:

25X1
25X1

THIS DRAWING SUPPLEMENTS PARS 72-791, 72-788, 74-556, 75-518, AND 79-505.*

AF ENDR D6546-3-72 JAN 79 SEC CLASS: 13 MSN: 0001P

ACCN: S086769 25X1

PINGPA AIRCRAFT PRPLN R+D CTR ASBLY/SHOP AREA CH 262215N 1061602E
WAC NO : BE/OBJ NO: NPIC NO : - 10-N
IDHS CODE: EPF CAT : 05G COMIREX NO:

25X1
25X1

THIS DRAWING SUPPLEMENTS PARS 72-791, 72-788, 74-556, 75-518, AND 79-505.*

AF ENDR C4532-3-72 18 JAN 79 SEC CLASS: 13 MSN: 0001P

ACCN: S086770 25X1

PINGPA AIRCRAFT PRPLN R+D CTR ENG TEST BLDGS CH 262215N 1061602E
WAC NO : BE/OBJ NO: NPIC NO : - 10-N
IDHS CODE: EPF CAT : 05G COMIREX NO:

25X1
25X1

THIS DRAWING SUPPLEMENTS PARS 72-791, 72-788, 74-556, 75-518, AND 79-505.*

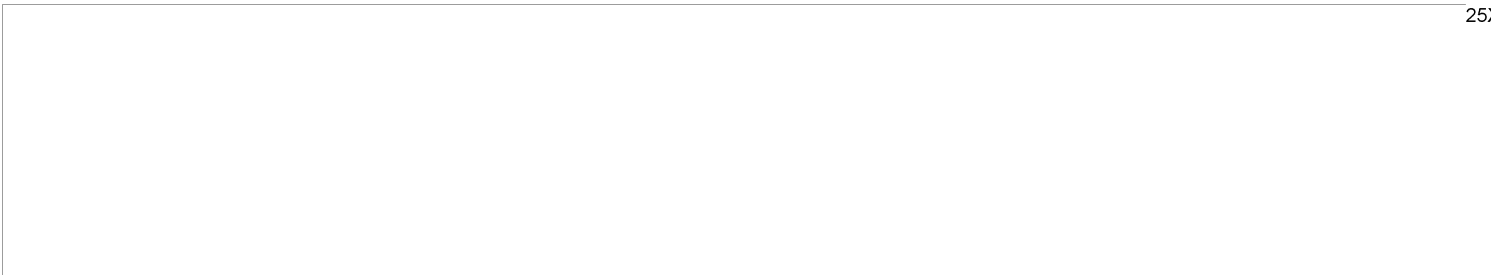
AF ENDR D6543-4-72 18 JAN 79 SEC CLASS: 13 MSN: 0001P

ACCN: S086771 25X1

PINGPA AIRCRAFT PRPLN R+D CTR ENG TEST AREA CH 262215N 1061602E
WAC NO : BE/OBJ NO: NPIC NO : - 10-N
IDHS CODE: EPF CAT : 05G COMIREX NO:

25X1
25X1

THIS DRAWING SUPPLEMENTS PARS 72-788, 72-791, 74-556, 75-518, AND 79-505.*



25X1

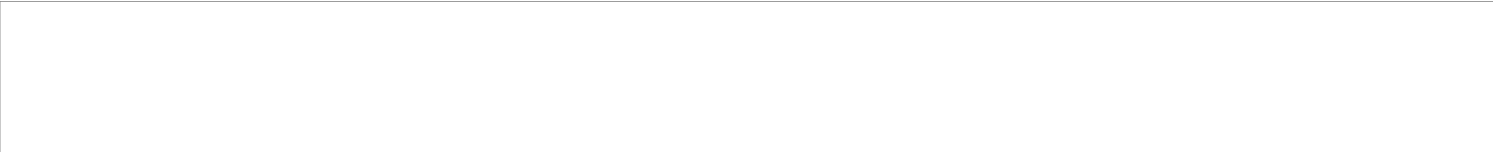
TOP SECRET CHESS RUFF



25X1
25X1

TOP SECRET CHESS RUFF

25X1



25X1

AF	ENDR	C4506-79	25 JAN 79		SEC CLASS: 13	MSN:	0001P	ACCN: S086775
		SPACE, ASAT RELATED EQUIPMENT			UR			
		WAC NO :		BE/OBJ NO:	NPIC NO :			
		IDHS CODE:		EPF CAT : 40H	COMIREX NO:			
AF	ENDR	B6503-79	19 JAN 79		SEC CLASS: 13	MSN:		0001P
		MISSILES, ICBM TYPE 3H SILO TRENCH PATTERN			UR			
		WAC NO :		BE/OBJ NO:	NPIC NO :			
		IDHS CODE:		EPF CAT : 40A	COMIREX NO:			

25X1

25X15X1



25X1

1272
TOP SECRET CHESS RUFF



25X1
25X1

Page Denied

TOP SECRET CHESS RUFF

25X1
25X1

AF ENDR E4511-79 14 FEB 79 [] SEC CLASS: 13 MSN: 0001P ACCN: S086785

DROVYANAYA MOBILE IRBM BASE 2 UR 512021N 1130114E

WAC NO : [] BE/OBJ NO: [] NPIC NO : - 53-N

IDHS CODE: [] EPF CAT : 40B COMIREX NO: []

25X1
25X1
25X1

AF PAR 523-79 01 FEB 79 [] SEC CLASS: 13 MSN: 0009P ACCN: S086787

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: S086788

25X1

PINGPA AIRCRAFT PROPULSION SYSTEM R+D CENTER CH 262215N 1061602E

WAC NO : [] BE/OBJ NO: [] NPIC NO : - 10-N

IDHS CODE: [] EPF CAT : 05G COMIREX NO: []

25X1
25X1

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.

1274
TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

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: S086789 25X1

SHUANGCHENG TZU MTC SSM SITE A ELCT EQUIPMENT	CH 411653N 1001816E	
WAC NO : []	BE/OBJ NO: []	NPIC NO : - 1-K 25X1
IDHS CODE: []	EPF CAT : 25C	COMIREX NO: [] 25X1
SHUANGCHENG TZU MTC ICBM SITE B1/2 ELCT EQUIP	CH 411828N 1001854E	
WAC NO : []	BE/OBJ NO: []	NPIC NO : - 1-N 25X1
IDHS CODE: []	EPF CAT : 25C	COMIREX NO: [] 25X1
WUCHAI MTC SSM R+D TRAINING SITE A ELCT EQUIP	CH 385002N 1113617E	
WAC NO : []	BE/OBJ NO: []	NPIC NO : - 77-A 25X1
IDHS CODE: []	EPF CAT : 25C	COMIREX NO: [] 25X1
WUCHAI MTC SSM R+D TRAINING SITE B ELCT EQUIP	CH 385241N 1113531E	
WAC NO : []	BE/OBJ NO: []	NPIC NO : - 77-D 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: S086790 25X1

MOSKVA MISSILE DESIGN BUREAU OKB 16	UR 554415N 0373700E	
WAC NO : []	BE/OBJ NO: []	NPIC NO : - 25X1
IDHS CODE: []	EPF CAT : 40E	COMIREX NO: []

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: S086791 25X1

ANHSIEN AEROSPACE R+D FACILITY	CH 314221N 1042832E	
WAC NO : []	BE/OBJ NO: []	NPIC NO : - 116 25X1
IDHS CODE: []	EPF CAT : 40H	COMIREX NO: [] 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.*

1275
TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1
25X1

AF PAR 719-78 22 JAN 79 [] SEC CLASS: 13 MSN: 0033P ACCN: S086792 25X1

CHIENSHUI SSM COMPLEX

WAC NO : [] BE/OBJ NO: [] CH 233805N 1025030E
IDHS CODE: [] EPF CAT : 40 NPIC NO : - 517-A5
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 511-79 26 JAN 79 [] SEC CLASS: 13 MSN: 0003P ACCN: S086793 25X1

AIRCRAFT, RAM J VARIANT

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

THIS REPORT AND ASSOCIATED DRAWING 79C4505 PROVIDES AN UPDATE OF DRAWING 76B4503 AND A BRIEF CHRONOLOGY OF THE CHANGES TO THE RAM-J AIRCRAFT SINCE THE DATE OF THE DRAWING (27 JAN 1976).*

AF PAR 721-78 17 JAN 79 [] SEC CLASS: 13 MSN: 0018P ACCN: S086794 25X1

MISSILES, SS-16/SS-20 ASSOCIATED BUILDINGS

WAC NO : [] BE/OBJ NO: [] UR
IDHS CODE: [] EPF CAT : 40A NPIC NO : -
COMIREX NO:

MISSILES, SS-16/SS-20 ASSOCIATED BUILDINGS

WAC NO : [] BE/OBJ NO: [] UR
IDHS CODE: [] EPF CAT : 40B NPIC NO : -
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: S086795 25X1

1276
TOP SECRET CHESS RUFF

25X1
25X1

[Redacted]

TOP SECRET CHESS RUFF

[Redacted]

[Redacted]

25X1

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

25X1

THIS REPORT PROVIDES A PHOTO ANALYSIS OF MISSILE IMPACT CRATERS ON THE KAMCHATKA PENINSULA. ALL NEWLY ACQUIRED [Redacted] IS UTILIZED IN THIS REPORT. 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

[Redacted]

25X1

AF PAR 515-79 26 JAN 79 [Redacted] SEC CLASS: 13 MSN: 0002P ACCN: S086797

25X1

AMDERMA AIR DEFENSE HQ TALL KING EW RADAR FAC UR 694500N 0614400E
 WAC NO : [Redacted] BE/OBJ NO: [Redacted] NPIC NO : - 1-D
 IDHS CODE: [Redacted] EPF CAT : 25H COMIREX NO: [Redacted]
 NARYAN MAR AIRFIELD AD HQ TALL KING RADAR FAC UR 673945N 0530900E
 WAC NO : [Redacted] BE/OBJ NO: [Redacted] NPIC NO : - 4-E
 IDHS CODE: [Redacted] EPF CAT : 25H COMIREX NO: [Redacted]

25X1

25X1

25X1

25X1

[Redacted]

25X1

1277
 TOP SECRET CHESS RUFF

[Redacted]

[Redacted]

25X1
25X1

[Redacted]

TOP SECRET CHESS RUFF [Redacted]

[Redacted]

25X1

[Redacted]

25X1

AF PAR 519-79 02 FEB 79 [Redacted] SEC CLASS: 13 MSN: 0002P ACCN: S086800

25X1

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

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 [Redacted] SEC CLASS: 13 MSN: 0003P ACCN: S086801

25X1

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

25X1
25X1

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

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

25X1

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

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 516-79 13 FEB 79 [Redacted] SEC CLASS: 13 MSN: 0035P ACCN: S086803

25X1

AIRCRAFT, R+D/PROD FACILS ROOF AREA INCREASE UR
WAC NO : [Redacted] BE/OBJ NO: [Redacted] NPIC NO : -
IDHS CODE: [Redacted] EPF CAT : 05G COMIREX NO:

1278
TOP SECRET CHESS RUFF [Redacted]

[Redacted]

25X1
25X1

TOP SECRET CHESS RUFF

25X1

SPACE, R+D FACILITIES ROOF AREA INCREASE	UR
WAC NO :	BE/OBJ NO:
IDHS CODE:	EPF CAT : 40H
MISSILES, R+D/PKOD FACILS ROOF AREA INCREASE	UR
WAC NO :	BE/OBJ NO:
IDHS CODE:	EPF CAT : 40E
MILITARY, LASER R+D FACILS ROOF AREA INCREASE	UR
WAC NO :	BE/OBJ NO:
IDHS CODE:	EPF CAT : 35G
ELECTRONICS, R+D FACILS ROOF AREA INCREASE	UR
WAC NO :	BE/OBJ NO:
IDHS CODE:	EPF CAT : 25E

THIS PAR UPDATES PAR 77-733.*

25X1

AF PAR 52U-79 20 FEB 79 SEC CLASS: 13 MSN: 0021P ACCN: S086805 25X1

LIUCHINGKOU SSM COMPLEX	CH 380835N 1000625E	25X1
WAC NO :	BE/OBJ NO:	NPIC NO : - 36-C
IDHS CODE:	EPF CAT : 40	COMIREX NO: []
LIUCHINGKOU SSM SITE 1	CH 380944N 0995931E	25X1
WAC NO :	BE/OBJ NO:	NPIC NO : - 36

1279
TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

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

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

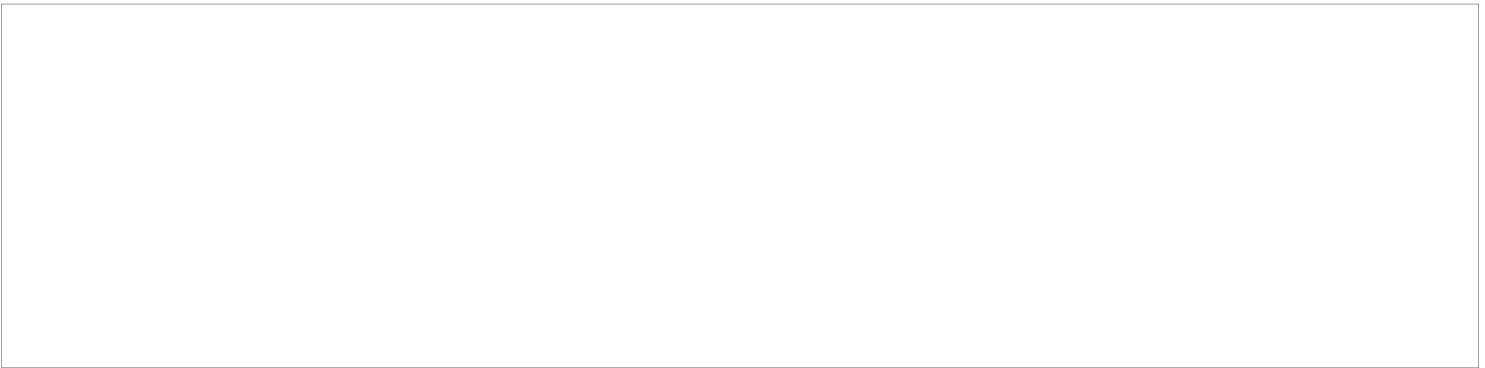
25X1

25X1

25X1

TOP SECRET CHESS RUFF

25X1



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 : [REDACTED] BE/OBJ NO: [REDACTED] NPIC NO : - 116
IDHS CODE: [REDACTED] EPF CAT : 40H COMIREX NO: [REDACTED]

25X25X1
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. FOR ADDITIONAL REFERENCES SEE DRAWINGS 73D6550/1 AND 79D4507.*

AF PAR 516-79 22 FEB 79 [REDACTED] SEC CLASS: 13 MSN: 0013P ACCN: S086809 25X1

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

25X1
25X1
25X1
25X1

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

1281
TOP SECRET CHESS RUFF



25X1
25X1

TOP SECRET CHESS RUFF

25X1
25X1

25X1

AF PAR 512-79 27 FEB 79 SEC CLASS: 13 MSN: 0011P ACCN: 5086811

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 :	BE/OBJ NO:	NPIC NO :	- 20-B1
IDHS CODE:	EPF CAT : 25C	COMIREX NO:	
TYURATAM MTC TRACKING FACILITY 5 BOW + ARROW		UR	515333N 0672113E
WAC NO :	BE/OBJ NO:	NPIC NO :	- 18
IDHS CODE:	EPF CAT : 25C	COMIREX NO:	
VORKUTA ESV TRACKING FACILITY BOW + ARROW		UR	673330N 0640941E
WAC NO :	BE/OBJ NO:	NPIC NO :	- 4-K3
IDHS CODE:	EPF CAT : 25C	COMIREX NO:	

25X1
25X1

25X1
25X1

25X1
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.*

1282
TOP SECRET CHESS RUFF

25X1
25X1

Declassified in Part - Sanitized Copy Approved for Release 2014/03/07 : CIA-RDP80T00913A000200030001-4

TOP SECRET

TOP SECRET

Declassified in Part - Sanitized Copy Approved for Release 2014/03/07 : CIA-RDP80T00913A000200030001-4